



Pump Change Summary

Thorsby 100/16-11-051-02W5/00 (S14-03) • 100/16-11-051-02W5/00 • #0502001



WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada
COMPLETIONS DETAIL				
NAME	COMPLETIONS TYPE	START DATE	FINISH DATE	
Pump Change	Open Hole	2022-09-13	2022-09-21	
OBJECTIVE				
Pump change				
JOB SUMMARY				
Ran bailer # 6 to 2745.05mKb. Thru top 20 sleeves.				
Ran new 59-1800 pump.				

DRILLING DATA											
DRILLING GENERAL											
EVENT	DRILLING START	SPUD DATE	RELEASE DATE	AFE NUMBER	AFE \$						
Initial Completions	2022-06-10 00:00	2022-01-19 16:00	2022-01-30 23:59	22CP0009	\$1,919,760.00						
SURFACE HOLE											
DLS POINT		COORDINATES		LATITUDE	LONGITUDE						
14-03-051-02W5		65.00 m SOUTH by 726.40 m EAST		53.38085400	-114.21234200						
WELLBORES											
Original Hole											
START		END									
2022-01-19		2022-01-30									
BOTTOM POINT		COORDINATES		LATITUDE	LONGITUDE						
100/16-11-051-02W5/00		0.00 m by 0.00 m		53.38085400	-114.21234200						
UWI											
100/16-11-051-02W5/00											
KICKOFF	HEEL	PROJECTED	MEASURED	TVD	LOGGER						
1,007.00 m	1,615.00 m	4,202.00 m	4,088.00 m	611.56 m	0.00 m						
DRILLING ELEVATIONS											
SURVEYED	CUT / FILL	GROUND	KB > GROUND	KB	CF > GROUND	CF					
742.30 m	-0.29 m	742.01 m	5.50 m	747.51 m	0.00 m	742.01 m					
BRIDGE PLUG											
MANUFACTURER		MODEL	SET DEPTH		BACK DEPTH						
			-		-						
SURFACE											
							LANDED AT 271.00 m				
#	CODE	DESCRIPTION	COND	OD	DRIFT	WEIGHT	GRADE	LENGTH	TOP		
				(mm)	(mm)	(kg/m)		(m)	(mKB)		
1	S02	Float Shoe	New	244.5	0.0	0.00		0.49	270.51		
1	S03	Casing Joint	New	244.5	226.6	53.67	J55	11.33	259.18		
1	S01	Float Collar	New	244.5	0.0	0.00		0.37	258.81		
23	S03	Casing Joint	New	244.5	226.6	53.67	J55	259.69	-0.88		
CEMENT											
AMOUNT	TYPE	DESCRIPTION			VOLUME	YIELD	% EXCESS	EST TOP	RETURNS	DENSITY	
					(m³)	(m³/t)	(%)	(m)	(m³)	(kg/m³)	
15.00	OTHER	TSC 1700-S Bulk Cement			14.09	0.9390	80.00	0.00	4.50	1,700	
0.4% TLA, 0.4% AFA-7, 2% Calcium Chloride.											
CEMENT DATE		HOLE DEPTH		HOLE SIZE	STICK UP	LANDED AT		FLOAT COLLAR			
2022-01-20		271.00 m		311.00 mm	0.88 m	271.00 m		259.18 m			
INTERMEDIATE											
										LANDED AT 1,615.00 m	
#	CODE	DESCRIPTION	COND	OD	DRIFT	WEIGHT	GRADE	LENGTH	TOP		
				(mm)	(mm)	(kg/m)		(m)	(mKB)		
1	I01	Float Shoe	New	0.0	0.0	0.00		0.50	1,614.50		
1	I03	Casing Joint	New	177.8	161.7	34.23	P-110	13.84	1,600.66		
1	I02	Float Collar	New	0.0	0.0	0.00		0.41	1,600.25		
130	I03	Casing Joint	New	177.8	161.7	34.23	P-110	1,601.03	-0.78		
CEMENT											
AMOUNT	TYPE	DESCRIPTION			VOLUME	YIELD	% EXCESS	EST TOP	RETURNS	DENSITY	
					(m³)	(m³/t)	(%)	(m)	(m³)	(kg/m³)	
1.42	SCAVENG ER				3.00	2.1200	0.00	0.00	3.00	1,300	
2% OGC-60 + 4% AFA-7											
14.57	OTHER	Titanium 1400-S			23.20	1.5920	90.00	0.00	9.00	1,400	
2% OGC-60 + 4% AFA-7											
16.00	OTHER	T.A.C.-S			17.04	1.0650	90.00	990.00	0.00	1,600	

0.2% AFA-7 + 0.4% TWR-4 + 0.5% Gel + 0.2% TDH-2 + 0.2% CFR-12

CEMENT DATE 2022-01-24	HOLE DEPTH 1,615.00 m	HOLE SIZE 222.00 mm	STICK UP 0.78 m	LANDED AT 1,615.00 m	FLOAT COLLAR 1,600.66 m
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PRODUCTION				LANDED AT 4,078.00 m		
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#	CODE	DESCRIPTION	COND	OD (mm)	DRIFT (mm)	WEIGHT (kg/m)	GRADE	LENGTH (m)	TOP (mKB)
1	P01	Guide Shoe - Re entry guide		0.0	0.0	0.00		0.27	4,077.73
1	P02	Pup Joint		114.3	0.0	20.09		1.85	4,075.88
1	P03	Float Collar		114.3	0.0	0.00		0.30	4,075.58
1	P02	Pup Joint		114.3	0.0	20.09		1.86	4,073.72
1	P12	Secondary Float Collar		114.3	0.0	0.00		0.30	4,073.42
1	P02	Pup Joint		114.3	0.0	20.09		1.86	4,071.56
1	P04	Landing Collar - Wiper Dart Landing collar		114.3	0.0	0.00		0.48	4,071.08
1	P02	Pup Joint		114.3	0.0	20.09		1.86	4,069.22
1	P05	Casing Joint	New	114.3	99.6	20.09	P-110	13.38	4,055.84
1	P06	Toe Port - Interra (41.3mpa)		114.3	0.0	20.09	P110	0.55	4,055.29
1	P05	Casing Joint	New	114.3	99.6	20.09	P-110	13.17	4,042.12
1	P06	Toe Port - Interra (41.3mpa)		114.3	0.0	20.09	P110	0.55	4,041.57
1	P05	Casing Joint	New	114.3	99.6	20.09	P-110	13.38	4,028.19
1	P02	Pup Joint		114.3	0.0	20.09		6.30	4,021.89
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	4,020.78
1	P02	Pup Joint		114.3	0.0	20.09		6.72	4,014.06
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.54	3,987.52
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,981.22
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,980.11
1	P02	Pup Joint		114.3	0.0	20.09		6.75	3,973.36
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	25.52	3,947.84
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,941.54
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,940.43
1	P02	Pup Joint		114.3	0.0	20.09		6.68	3,933.75
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.76	3,906.99
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,900.69
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,899.58
1	P02	Pup Joint		114.3	0.0	20.09		6.55	3,893.03
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.59	3,866.44
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,860.14
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,859.03
1	P02	Pup Joint		114.3	0.0	20.09		6.73	3,852.30
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.60	3,825.70
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,819.40
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,818.29
1	P02	Pup Joint		114.3	0.0	20.09		6.65	3,811.64
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.75	3,784.89
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,778.59
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,777.48
1	P02	Pup Joint		114.3	0.0	20.09		6.54	3,770.94
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.76	3,744.18
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,737.88
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,736.77
1	P02	Pup Joint		114.3	0.0	20.09		6.74	3,730.03
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.44	3,703.59
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,697.29
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,696.18
1	P02	Pup Joint		114.3	0.0	20.09		6.58	3,689.60
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.38	3,663.22
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,656.92
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,655.81
1	P02	Pup Joint		114.3	0.0	20.09		6.69	3,649.12
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.51	3,622.61
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,616.31
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,615.20
1	P02	Pup Joint		114.3	0.0	20.09		6.81	3,608.39
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.59	3,581.80
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,575.50
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,574.39
1	P02	Pup Joint		114.3	0.0	20.09		6.63	3,567.76
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.44	3,541.32
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,535.02
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,533.91
1	P02	Pup Joint		114.3	0.0	20.09		6.57	3,527.34
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.76	3,500.58
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,494.28
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,493.17
1	P02	Pup Joint		114.3	0.0	20.09		6.65	3,486.52
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.59	3,459.93
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,453.63
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,452.52
1	P02	Pup Joint		114.3	0.0	20.09		6.50	3,446.02
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.61	3,419.41
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,413.11
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,412.00
1	P02	Pup Joint		114.3	0.0	20.09		6.75	3,405.25

2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.45	3,378.80
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,372.50
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,371.39
1	P02	Pup Joint		114.3	0.0	20.09		6.75	3,364.64
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.30	3,338.34
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,332.04
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,330.93
1	P02	Pup Joint		114.3	0.0	20.09		6.61	3,324.32
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.74	3,297.58
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,291.28
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,290.17
1	P02	Pup Joint		114.3	0.0	20.09		6.51	3,283.66
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.49	3,257.17
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,250.87
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,249.76
1	P02	Pup Joint		114.3	0.0	20.09		6.75	3,243.01
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.44	3,216.57
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,210.27
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,209.16
1	P02	Pup Joint		114.3	0.0	20.09		6.62	3,202.54
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.60	3,175.94
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,169.64
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,168.53
1	P02	Pup Joint		114.3	0.0	20.09		6.59	3,161.94
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.76	3,135.18
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,128.88
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,127.77
1	P02	Pup Joint		114.3	0.0	20.09		6.57	3,121.20
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.60	3,094.60
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,088.30
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,087.19
1	P02	Pup Joint		114.3	0.0	20.09		6.77	3,080.42
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.24	3,054.18
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,047.88
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,046.77
1	P02	Pup Joint		114.3	0.0	20.09		6.66	3,040.11
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.53	3,013.58
1	P02	Pup Joint		114.3	0.0	20.09		6.30	3,007.28
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	3,006.17
1	P02	Pup Joint		114.3	0.0	20.09		6.67	2,999.50
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.76	2,972.74
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,966.44
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,965.33
1	P02	Pup Joint		114.3	0.0	20.09		6.62	2,958.71
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.70	2,932.01
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,925.71
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,924.60
1	P02	Pup Joint		114.3	0.0	20.09		6.75	2,917.85
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.76	2,891.09
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,884.79
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,883.68
1	P02	Pup Joint		114.3	0.0	20.09		6.64	2,877.04
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.59	2,850.45
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,844.15
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,843.04
1	P02	Pup Joint		114.3	0.0	20.09		6.69	2,836.35
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.18	2,810.17
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,803.87
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,802.76
1	P02	Pup Joint		114.3	0.0	20.09		6.52	2,796.24
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.60	2,769.64
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,763.34
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,762.23
1	P02	Pup Joint		114.3	0.0	20.09		6.59	2,755.64
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.50	2,729.14
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,722.84
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,721.73
1	P02	Pup Joint		114.3	0.0	20.09		6.63	2,715.10
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.16	2,688.94
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,682.64
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,681.53
1	P02	Pup Joint		114.3	0.0	20.09		6.73	2,674.80
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.59	2,648.21
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,641.91
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,640.80
1	P02	Pup Joint		114.3	0.0	20.09		6.71	2,634.09
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.46	2,607.63
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,601.33
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,600.22
1	P02	Pup Joint		114.3	0.0	20.09		6.59	2,593.63
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.44	2,567.19
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,560.89
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,559.78
1	P02	Pup Joint		114.3	0.0	20.09		6.65	2,553.13



Pump Change Summary  
Thorsby 100/16-11-051-02W5/00 (S14-03) • 100/16-11-051-02W5/00 • #0502001



2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	25.73	2,527.40
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,521.10
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,519.99
1	P02	Pup Joint		114.3	0.0	20.09		6.65	2,513.34
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.75	2,486.59
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,480.29
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,479.18
1	P02	Pup Joint		114.3	0.0	20.09		6.43	2,472.75
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.41	2,446.34
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,440.04
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,438.93
1	P02	Pup Joint		114.3	0.0	20.09		6.74	2,432.19
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.43	2,405.76
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,399.46
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,398.35
1	P02	Pup Joint		114.3	0.0	20.09		6.68	2,391.67
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.74	2,364.93
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,358.63
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,357.52
1	P02	Pup Joint		114.3	0.0	20.09		6.67	2,350.85
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.74	2,324.11
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,317.81
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,316.70
1	P02	Pup Joint		114.3	0.0	20.09		6.67	2,310.03
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.43	2,283.60
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,277.30
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,276.19
1	P02	Pup Joint		114.3	0.0	20.09		6.63	2,269.56
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.74	2,242.82
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,236.52
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,235.41
1	P02	Pup Joint		114.3	0.0	20.09		6.58	2,228.83
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.73	2,202.10
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,195.80
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,194.69
1	P02	Pup Joint		114.3	0.0	20.09		6.53	2,188.16
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.75	2,161.41
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,155.11
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,154.00
1	P02	Pup Joint		114.3	0.0	20.09		6.68	2,147.32
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.53	2,120.79
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,114.49
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,113.38
1	P02	Pup Joint		114.3	0.0	20.09		6.68	2,106.70
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.50	2,080.20
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,073.90
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,072.79
1	P02	Pup Joint		114.3	0.0	20.09		6.53	2,066.26
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.43	2,039.83
1	P02	Pup Joint		114.3	0.0	20.09		6.30	2,033.53
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	2,032.42
1	P02	Pup Joint		114.3	0.0	20.09		6.35	2,026.07
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.60	1,999.47
1	P02	Pup Joint		114.3	0.0	20.09		6.30	1,993.17
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	1,992.06
1	P02	Pup Joint		114.3	0.0	20.09		6.60	1,985.46
2	P05	Casing Joint	New	114.3	99.6	20.09	P-110	26.74	1,958.72
1	P02	Pup Joint		114.3	0.0	20.09		6.30	1,952.42
1	P07	Frac Sleeve - MultiCycle	New	114.3	0.0	20.09	P-110	1.11	1,951.31
1	P02	Pup Joint		114.3	0.0	20.09		6.76	1,944.55
28	P05	Casing Joint	New	114.3	99.6	20.09	P-110	370.55	1,574.00
1	P02	Pup Joint		114.3	0.0	20.09		1.85	1,572.15
1	P08	Liner Hanger Assembly - Primaset		114.3	0.0	0.00		1.93	1,570.22
1	P09	Receptacle - Polish bore receptical		0.0	0.0	0.00		3.64	1,566.58
1	P10	Other - Setting Tool		0.0	0.0	0.00		2.55	1,564.03

CEMENT

AMOUNT TYPE	DESCRIPTION	VOLUME	YIELD	% EXCESS	EST TOP	RETURNS	DENSITY
(t)		(m³)	(m³/t)	(%)	(m)	(m³)	(kg/m³)
1.88	SCAVENG ER	3.00	1.5950	0.00	0.00	3.00	1,400
0.2% AFA-7 + 0.4% TWR-4 + 0.5% Gel + 0.2% TDH-2 + 0.2% CFR-12							
38.12	OTHER T.A.C-S	40.60	1.0650	60.00	0.00	9.00	1,600
0.2% AFA-7 + 0.4% TWR-4 + 0.5% Gel + 0.2% TDH-2 + 0.2% CFR-12							
CEMENT DATE	HOLE DEPTH	HOLE SIZE	STICK UP	LANDED AT	FLOAT COLLAR		
2022-01-29	4,076.00 m	159.00 mm	-1,564.03 m	4,078.00 m	4,075.88 m		

TIE BACK // RUN 2022-01-30									
LANDED AT 1,566.55 m									
#	CODE	DESCRIPTION	COND	OD	DRIFT	WEIGHT	GRADE	LENGTH	TOP
				(mm)	(mm)	(kg/m)		(m)	(mKB)
1	T02	Receptacle		0.0	0.0	0.00		3.64	1,562.91
1	T03	Other - LATCH		0.0	0.0	0.00		1.30	1,561.61
115	T01	Casing Joint		114.3	96.4	20.09	P110	1,539.05	22.56



Pump Change Summary

Thorsby 100/16-11-051-02W5/00 (S14-03) • 100/16-11-051-02W5/00 • #0502001



3	T04	Pup Joint	114.3	96.4	20.09	P-110	8.00	14.56
1	T01	Casing Joint	114.3	96.4	20.09	P110	13.39	1.17
3	T04	Pup Joint	114.3	96.4	20.09	P-110	1.02	0.15
1	T05	Other - Tubing hanger	0.0	0.0	0.00		0.15	0.00

CASING BOWL			
TYPE	MAKE	SERIAL #	CASING SIZE
WORK PRESSURE	WEIGHT LANDED	NOMINAL SIZE	SLIP & SEAL ASSM
		-	

PUMP CHANGE DETAILS						
COSTS					BOTTOM HOLE	
FORECAST	AFE NUMBER	AFE \$	ITEMIZED TOTAL	COMPLETIONS TOTAL	ESTIMATED TEMP	ESTIMATED PRESS
	22WO0037	\$0.00	\$189,742.99	\$189,742.99	-	-
ELEVATIONS					ESTIMATED H2S	ESTIMATED CO2
GROUND	KB > GROUND	KB	CF > GROUND	CF	-	-
742.01 m	5.50 m	747.51 m	0.00 m	742.01 m		
TH > GROUND	KB > TH	DH > GROUND	KB > DH		DAILY STATISTICS	
0.60 m	4.90 m	0.00 m	5.50 m		TOTAL RENTALS	RIG TIME
					\$0.00	0.00 hr
PERSONNEL					MAN HOURS	% COMPLETE
TITLE	NAME	CONTACT			0.00 hr	0.00%
Consultant	Dustin Kreiser	403-502-4023				
Operations Manager	Kevin Saizew	403-999-8087				
COMPLETIONS RIGS						
CONTRACTOR		#	START		RELEASE	
CWC		296	2022-09-13		2022-09-21	
FLUIDS						
FLUID		TANK	TO WELL	FROM WELL	IN WELL	
LOAD FLUID			0.00 m³		0.00 m³	
Produced water		0.00 m³	210.00 m³	0.00 m³	210.00 m³	
TOTAL			210.00 m³	0.00 m³		
RECENT DAILY OPERATIONS - 2022-09-21						
DAILY STATUS						
Ran cord, rigged out						
24 HOUR SUMMARY						
Rigged in Amped gripper unit.						
Ran new 59-1800 rotor on original 28.6mm Prorod						
Spaced out and installed top drive.						
Rigged out SR and support equipment.						
NEXT 24 HOURS						
Turned well over to operations.						



NAME	LICENSE #	UWI	LOCATION
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada

**EMERGENCY CONTACTS**  
***MUST be posted for ALL workers to access***



Thorsby 100/16-11-051-02W5/00 (S14-03) - Pump Change Daily Reports  
Thorsby 100/16-11-051-02W5/00 (S14-03) • 100/16-11-051-02W5/00 • #0502001



WELL DATA

NAME	LICENSE #	LOCATION	EVENT	AFE NUMBER	AFE AMOUNT
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	100/16-11-051-02W5/00	Pump Change	22WO0037	\$0.00
COMPLETION TYPE	START DATE	END DATE	OBJECTIVE		
Open Hole	2022-09-13	2022-09-21	Pump change		

**NOTE:** The **DAILY COST** column represents all costs including non-itemized, **TOTAL DAILY** represents only itemized costs for the day, and **TOTAL** is the running total of itemized costs only.

COMPLETIONS DAILY REPORTS

DATE	DAILY COST	TOTAL DAILY	TOTAL	SUMMARY
2022-09-13	\$21,405.65	\$21,405.65	\$21,405.65	Moved in Amped rod rig and gripper, work corod free, flushed TBG and pulled corod. Moved in CWC double SR, rigged up, killed well, pulled and stood 89mm TBG, laid out BHA, recovered 0.5 joints of sand.
2022-09-14	\$34,563.74	\$34,563.74	\$55,969.39	Bailed well down to 2489.07mKb, Bailer run # 1. Pulled and recovered 20 full joints of frac sand.
2022-09-15	\$15,159.45	\$15,159.45	\$71,128.84	Ran bailer # 2 to liner top, little to no sand recovered. Ran bailer # 3 into liner and got to 2295.84, bailing on hard bridge and lost stroke. Pulled above liner top for night.
2022-09-16	\$16,287.40	\$16,287.40	\$87,416.24	Pulled bailer #3 and recovered 16 joints of frac sand Ran bailer # 4 to 2362.82mKb and stopped making progress, pulled to liner top for night.
2022-09-17	\$10,393.55	\$10,393.55	\$97,809.79	Pulled bailer # 4 and recovered 10 joints of frac sand. Ran bailer # 5 to liner top for night.
2022-09-18	\$13,561.65	\$13,561.65	\$111,371.44	Pulled bailer # 5 and recovered 17 joints of sand. Ran bailer # 6 to liner top
2022-09-19	\$31,012.62	\$31,012.62	\$142,384.06	Ran bailer # 6 to 2745.05mKb. Thru top 20 NCS sleeves. Pulled and recovered 17 joints of frac sand Ran 89mm TBG in and readied to scope out of hole in morning.
2022-09-20	\$12,874.18	\$12,874.18	\$155,258.24	Pulled and scoped production TBG. Ran new Weatherford 59 - 1800 on 89mm yellowband TBG. Landed hanger, NDBOPs, NUWH.
2022-09-21	\$34,484.75	\$34,484.75	\$189,742.99	Rigged in Amped gripper unit. Ran new 59-1800 rotor on original 28.6mm Prorod Spaced out and installed top drive. Rigged out SR and support equipment.

WELL DATA								
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$	
0502001	100/16-11-051-02W5/00		Pump Change		22WO0037		\$0.00	
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH	
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m	
REPORT DETAILS								
REPORT DATE	PERCENT COMPLETE		RIG TIME		TOTAL RIG TIME		MAN HOURS	
2022-09-21	0%		0.00 hr		0.00 hr		0.00 hr	
TOTAL TIME	NON-PRODUCTIVE		FLARE VOLUME		TOTAL DAILY FLARE		CASING PRESSURE	
6.50 hr	0.00 hr		0.00 e³m³		0.00 e³m³		0.00 kPa	
COSTS						DAILY RENTALS		
TOTAL DAILY	COMPL. TOTAL		TOTAL CUMULATIVE		COMPL. CUMULATIVE		TOTAL DAILY	
\$34,484.75	\$34,484.75		\$189,742.99		\$189,742.99		\$0.00	
DAILY OPERATIONS						PERSONNEL		
<b>DAILY STATUS</b> Ran cord, rigged out  <b>24 HOUR SUMMARY</b> Rigged in Amped gripper unit. Ran new 59-1800 rotor on original 28.6mm Prorod Spaced out and installed top drive. Rigged out SR and support equipment.  <b>NEXT 24 HOURS</b> Turned well over to operations.						CONSULTANT		
						Dustin Kreiser 403-502-4023		
						OPERATIONS MANAGER		
						Kevin Saizew 403-999-8087		
						COMPLETION RIGS		
						CONTRACTOR	#	
						CWC	296	
WEATHER								
GENERAL								
Clear								
ROAD CONDITION								
OK								
TIME	TEMP							
07:00	19°C							
TIME LOG								
FROM	TO	DUR	NPT	CODE	DETAILS			
07:30	08:00	0.5 h			Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to rig in Amped gripper unit, run corod, rig out gripper, run regular rods, space out, install top drive and rig out SR. Reviewed Amped & CWC PJSM / JSAs for applicable tasks. Reviewed good communication rigging in and out gripper. Keep hands clear of gripper chains at all times. Reviewed procedure to run rotor direct to corod, torque to spec with torq card.			
08:00	08:30	0.5 h			R&R well pressures, TSTM both sides. Spotted amped gripper unit and readied equipment. Picked up rotor and greased. Flushed TBG with 8m3 produced water at 500l/min & 1MPa.			
08:30	09:15	0.75 h			Rigged in Amped rod BOP and function tested, working correctly. Picked up rotor and greased, hung in well with rotor clamp. Picked up gripper and made up arch. Ran corod thru guide and secured directly to rotor with New 1" HI-T coupling. Used torque card and torqued to spec. Readied floor to RIH w/ corod.			
09:15	11:30	2.25 h			RIH w/ Full rod string as follows:  1 - 31.75mm x 12.2m Polish rod - New 4 - 25.4mm x 31.75mm Plain Ponies - 1', 2', 8', 10' 1 - 25.4mm x 31.75mm Plain Rod 1297m - ProRod 28.6mm 780M Corod string, 1" pin ends - original, excellent condition 1 - Weatherford 59-1800 Rotor - New  Ran corod and secured with clamp. Rigged down arch and gripper. Ran regular rods and ponies. Rigged out work floor and stripped off rod BOP. Spaced out pump 30" off tag bar over string weight as per Weatherford recommendation.  Installed Weatherford top drive and secured 8 bolt clamp with 2" polish rod stick up. Installed lock down device.  Released Amped corod gripper to base. Rigged out SR and support equipment. Wilf Brandt on site cleaned rig tank prior to moving down highway. Cleaned flowline and around wellhead. Picked up rig matting with loader and loaded onto trailer for transport. Pre-tripped equipment and readied to move. Handed well back to operations for start up.  Job completed.  210.00m³ load fluid to recover.			
11:30	14:00	2.5 h						
DAILY FLUIDS								
COMPANY	TICKET	SOURCE/DESTINATION			LEASE ( m³ )		WELL ( m³ )	
					TO	FROM	TO	FROM
Produced water								
NOTE	Flush tubing						8.00	4.00
Wilf Brandt	1111	Secure				4.00		0.00
					TODAY	0.00	4.00	8.00
					RUNNING	214.00	4.00	210.00
							0.00	8.00
							210.00	0.00



WELL DATA								
LICENSE #	UWI	EVENT		AFE NUMBER		AFE \$		
0502001	100/16-11-051-02W5/00	Pump Change		22WO0037		\$0.00		
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH	
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m	
REPORT DETAILS								
REPORT DATE	PERCENT COMPLETE	RIG TIME	TOTAL RIG TIME	MAN HOURS	TOTAL MAN HOURS			
2022-09-20	0%	0.00 hr	0.00 hr	0.00 hr	0.00 hr			
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME	TOTAL DAILY FLARE	CASING PRESSURE	TUBING PRESSURE			
10.00 hr	0.00 hr	0.00 e³m³	0.00 e³m³	0.00 kPa	0.00 kPa			
COSTS					DAILY RENTALS			
TOTAL DAILY	COMPL. TOTAL	TOTAL CUMULATIVE	COMPL. CUMULATIVE	TOTAL DAILY	COMPL. TOTAL			
\$12,874.18	\$12,874.18	\$155,258.24	\$155,258.24	\$0.00	\$0.00			
DAILY OPERATIONS					PERSONNEL			
<b>DAILY STATUS</b> Scoped TBG, ran production  <b>24 HOUR SUMMARY</b> Pulled and scoped production TBG. Ran new Weatherford 59 - 1800 on 89mm yellowband TBG. Landed hanger, NDBOPs, NUWH.  <b>NEXT 24 HOURS</b> Run corod, rig out.					CONSULTANT			
					Dustin Kreiser 403-502-4023			
					OPERATIONS MANAGER			
					Kevin Saizew 403-999-8087			
					COMPLETION RIGS			
					CONTRACTOR	#	START	RELEASE
					CWC	296	2022-09-13	2022-09-21
WEATHER								
GENERAL								
Clear								
ROAD CONDITION								
OK								
TIME		TEMP						
07:00		15°C						
TIME LOG								
FROM	TO	DUR	NPT CODE	DETAILS				
07:30	08:00	0.5 h		Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to rig in inspection unit, pull and scope TBG, make up new BHA, run in hole with production tubing, land hanger, NDBOPs, NUWH, ready floor to run corod. Reviewed CWC PJSM / JSAs for applicable tasks. Reviewed production BHA and make up procedures. Reviewed well control procedures, flush well as needed if venting. Keep catwalk and work area clean, free of trip hazards, number pipe in hole to stay organized.				
08:00	08:30	0.5 h		R&R well pressures, SITP - TSTM. Function tested BOPS & accumulator, working correctly. Rigged in Stimtech inspection unit. Readied floor to trip out and scope TBG.				
08:30	11:30	3.0 h		POOH & inspected TBG string as follows:  141 - 89mm J-55 8rd EUE Evraz TBG JTS  TBG inspected as follows:  133 - Yellowband <> 8 - Blueband <> 0 - Greenband <> 0 - Redband = 141 Total  Rigged out and released Stimtech.  NOTE: Stopped flushed 4m3 down annulus and down TBG to keep clean.				
11:30	14:30	3.0 h		Tallied and RIH w/ production string as follows:  KB-THF: 4.90m 1 - 177mm x 89mm TC style TBG hanger - 0.15m 138 - 89mm J-55 8rd EUE Evraz TBG JTS - 1320.79m (Note: BTM 3 joints are Q2 wear resistant L80 joints 1 - 89mm 6' Boronized pup joint - 1.88m 1 - Weatherford 59-1800 Stator w/ tag bar -HN315 10545226-198306 XL-300-30, Ran at 0.0% EFF, 300 RPM, Full Lift, 973.00 ft/lbs torque - 10.71m 1 - 177mm x 89mm 5 blade CTA NTT - 0.70m 1 - 89mm 6' handling pup - 1.89m 1 - 89mm x 73mm bottleneck XO - 0.14m 1 - Spirit Hybrid X 2 piece gas separator - 5.78m 1 - 73mm x 89mm Fishneck XO - 0.15m 5 - 89mm Blueband tail joints - 47.97m 1 - 89mm solid bull plug and collar - 0.25m  Landed hanger with pup and TI valve in place.  138 joints to pump top - yellowband 143 full joints in well - blueband  Pump top: 1327.72mKb <> 49 deg INC <> 1284m TVD Pump btm: 1338.41mKb <> 50 deg INC <> 1290m TVD  Bull plug landed at: 1395.31mKb <> 64 deg INC <> 1321m TVD Liner top: 1570.22mKb <> 86 deg INC <> 1364m TVD  Full tally in attachments.				
14:30	16:30	2.0 h		Rigged out work floor and TBG handling equipment. Stripped off Class 3 BOP stack and secured on transport spool. R&R well pressures, TSTM both sides. Picked up on hanger and installed 2 new rubbers. Landed hanger, did in lags. Removed landing joint and installed 3000# composite flow T and flowline as found. Secured flowline and installed TI valve in TBG head to secure.				
16:30	17:30	1.0 h		Cleaned flowline and around wellhead from bailing operations.				



Rigged out 1 pump lines.  
Rigged in work floor and readied to run rod in am.  
Night cap well and rig tank  
SDFN.

DAILY FLUIDS								
COMPANY	TICKET	SOURCE/DESTINATION	LEASE ( m³ )		WELL ( m³ )		REMAINING ( m³ )	
			TO	FROM	TO	FROM	TANK	WELL
Produced water								
NOTE	Flush tubing				4.00		4.00	198.00
NOTE	flush casing				4.00		0.00	202.00
Wilf Brandt	202612	16-5-50-1w5 bty	12.00				12.00	202.00
			TODAY	12.00	0.00	8.00	0.00	4.00 m³
			RUNNING	214.00	0.00	202.00	0.00	12.00
								202.00

WELL DATA								
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$	
0502001	100/16-11-051-02W5/00		Pump Change		22WO0037		\$0.00	
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH	
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m	
REPORT DETAILS								
REPORT DATE	PERCENT COMPLETE	RIG TIME	TOTAL RIG TIME	MAN HOURS	TOTAL MAN HOURS			
2022-09-19	0%	0.00 hr	0.00 hr	0.00 hr	0.00 hr			
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME	TOTAL DAILY FLARE	CASING PRESSURE	TUBING PRESSURE			
12.00 hr	0.00 hr	0.00 e³m³	0.00 e³m³	0.00 kPa	0.00 kPa			
COSTS					DAILY RENTALS			
TOTAL DAILY	COMPL. TOTAL	TOTAL CUMULATIVE	COMPL. CUMULATIVE	TOTAL DAILY	COMPL. TOTAL			
\$31,012.62	\$31,012.62	\$142,384.06	\$142,384.06	\$0.00	\$0.00			
DAILY OPERATIONS					PERSONNEL			
<b>DAILY STATUS</b> HZ bailing  <b>24 HOUR SUMMARY</b> Ran bailer # 6 to 2745.05mKb. Thru top 20 NCS sleeves. Pulled and recovered 17 joints of frac sand Ran 89mm TBG in and readied to scope out of hole in morning.  <b>NEXT 24 HOURS</b> Scope tubing, run production.					CONSULTANT			
					Dustin Kreiser 403-502-4023			
					OPERATIONS MANAGER			
					Kevin Saizew 403-999-8087			
					<b>COMPLETION RIGS</b>			
					CONTRACTOR	#	START	RELEASE
					CWC	296	2022-09-13	2022-09-21
					WEATHER			
					GENERAL			
					Overcast			
					ROAD CONDITION			
					OK			
					TIME	TEMP		
					07:00	8°C		
TIME LOG								
FROM	TO	DUR	NPT CODE	DETAILS				
07:30	08:00	0.5 h		Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to run bailer, bail well clean as needed. Trip out and mud can bailer chamber, clean floor and run back in and ready to scope production tubing. Reviewed good well control and bailing practices, watch for signs of trapped pressure in bailer chamber. Reviewed procedures to change over handling equipment, pipe rams and pressure test. Reviewed CWC PJSM / JSAs for applicable tasks.				
08:00	09:00	1.0 h		R&R well pressures, TSTM both sides. Function tested BOPs and accumulator, working correctly. Function tested Ekills and crown saver, working correctly. Landed hanger, changed over handling equipment and pipe rams to 89mm. Pressure tested pipe rams, hanger and BOPs to 1.4MPa & 21MPa for 10 min each, held 100%. Function tested BOPs and readied to trip in hole with 89mm TBG.				
09:00	17:30	8.5 h		Full Baling BHA ran as follows: Bailer # 6  KB Diff: 2.65m 147 - 89mm TBG JTS: 1406.19m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m  Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole.  Ran thru liner top on joint # 165 at 1570.22mKb - No tag  Ran back down to joint # 268 same depth as previous day without any tags or issues. Ran to joint # 276 without issue, then tagged at 2630.96mKb, bailed down ~ 15 strokes, harder bailing. Joint # 277, bailed down entire joint to 2649.14mKb, harder bailing. Joint # 278, bailed down entire joint, much easier bailing down to 2658.72mKb Continued in hole until joint # 287 at 2745.05mKb. Stroked each joint 3 - 4 times, more friction than bailing. No further hard joints to bail down. Would suggest more MFR to get further into well.  Final depth 2745.05mKb Joint # 287 down.  Flipped tongs and readied to POOH.  Pulled 25 joints and rigged in to blow tubing drain. Blew drain at 7MPa, flushed TBG with 6m3 hot produced water.  Continued out of hole with TBG.  Pulled and stood all 89mm TBG, no over pulls or issues coming out of liner. Landed hanger and changed over pipe rams & handling equipment to 60mm. Pressure tested rams and BOPs to 1.4MPa & 21MPa for 10 min each, held 100%.  Pulled hanger and removed.				



			Pulled and laid out 60mm TBG to catwalk. Rigged in mud can and mud canned out chamber joints.						
			Recovered 17 joints of sand. Bailer seized open.						
			Shut in well with blinds and secured. Cleaned floor and tongs as needed.						
17:30	19:30	2.0 h	RIH w/ 141 - 89mm J-55 TBG JTS, readied to scope in morning prior to running production. NOTE: Laid out 1 joint due to bad pin end.						
			Shut in and secured well with pipe rams and locked. Night capped well and rig tank.						
			SDFN.						
DAILY FLUIDS									
COMPANY		TICKET	SOURCE/DESTINATION	LEASE ( m³ )		WELL ( m³ )		REMAINING ( m³ )	
				TO	FROM	TO	FROM	TANK	WELL
Produced water									
Wilf Brandt		203113	5-27-49-1w5	26.00				34.00	168.00
NOTE	blow drain, flush tubing					6.00		28.00	174.00
NOTE	trickle down annulus while bailing					20.00		8.00	194.00
				TODAY	26.00	0.00	26.00	0.00	0.00 m³
				RUNNING	202.00	0.00	194.00	0.00	26.00
								8.00	194.00

WELL DATA							
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$
0502001	100/16-11-051-02W5/00		Pump Change		22WO0037		\$0.00
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m
REPORT DETAILS							
REPORT DATE	PERCENT COMPLETE	RIG TIME		TOTAL RIG TIME	MAN HOURS		TOTAL MAN HOURS
2022-09-18	-	-		0.00 hr	-		0.00 hr
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME		TOTAL DAILY FLARE	CASING PRESSURE		TUBING PRESSURE
11.00 hr	0.00 hr	-		0.00 e³m³	-		-
COSTS					DAILY RENTALS		
TOTAL DAILY	COMPL. TOTAL	TOTAL CUMULATIVE		COMPL. CUMULATIVE	TOTAL DAILY	COMPL. TOTAL	
\$13,561.65	\$13,561.65	\$111,371.44		\$111,371.44	\$0.00	\$0.00	
DAILY OPERATIONS					PERSONNEL		
<b>DAILY STATUS</b> HZ bailing  <b>24 HOUR SUMMARY</b> Pulled bailer # 5 and recovered 17 joints of sand. Ran bailer # 6 to liner top  <b>NEXT 24 HOURS</b> Bail HZ					CONSULTANT		
					Dustin Kreiser 403-502-4023		
					OPERATIONS MANAGER		
					Kevin Saizew 403-999-8087		
					COMPLETION RIGS		
					CONTRACTOR	#	START RELEASE
					CWC	296	2022-09-13 2022-09-21
					WEATHER		
					GENERAL		
					Sunny		
ROAD CONDITION							
OK							
TIME			TEMP				
07:00			17°C				
TIME LOG							
FROM	TO	DUR	NPT CODE	DETAILS			
07:30	08:00	0.5 h		Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to pump FR down annulus and run into liner to bail well clean, come out of hole and mud can out camber joints, clean tools and run back in with 89mm to scope tubing. Reviewed mud canning and well control procedures to switch from 60mm to 89mm. Reviewed mud canning procedures, watch for signs of trapped pressure, flush well as needed to keep clean while tripping. Any venting shut in and flush.			
08:00	09:30	1.5 h		R&R well pressures, TSTM both sides. Function tested BOPs and accumulator, working correctly. Mixed up 28m3 hot produced water at 4l/m3 with MFR from PureChem. Circulated rig tank to full mix. Pumped 20m3 hot produced water mixed with MFR down annulus at 500l/min & 0.50MPa. SICP - Vac. Left pump on at min rate trickling down annulus to bail.			
09:30	16:30	7.0 h		Full Baling BHA ran as follows: Bailer # 5  KB Diff: 2.65m 131 - 89mm TBG JTS: 1223.94m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m  Ran all 60mm TBG to 1338.86mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole.  Ran thru liner top on joint # 165 at 1570.22mKb - No tag  Continued in hole to joint # 260 and tagged at 2482.80mKb (deepest we had been was 2489.07mKb) NOTE: Ran to this point without issues, pull tests all good. Adding the MFR we added 4daN string weight. Noticeable difference to run in hole. Baled down each joint # 260 - 268. 10 - 15 strokes per joint, solid consistent bailing. No major hang ups, no over pulls. Bailed down to joint # 168, 2561.80mKb, lost bailer stroke and could not get back. Flipped tongs and readied to POOH.  Sleeve # 37 - 2559.96mKb Sleeve # 38 - 2520.17mKb Sleeve # 39 - 2479.36mKb  Pulled out of hole with 19 joints of 89mm TBG and stood in derrick. Spade at: 2410.72mKb TBG is wet. Rigged into TBG and blew drain at 7MPa. Flushed TBG with 6m3 hot produced water.  Continued out of hole.  Landed hanger and switched over handling equipment and pipe rams to 60mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Pulled hanger and resumed out of hole.  Rigged in mud can and confirmed bottom drain blown.			

Found pump joint above bailer full of frac sand, bailer is sanded off and seized open. Sand in both floats.

Mud canned out bailer chamber and found 17 joints of hard packed frac sand.

Out of hole with TBG, closed blind rams and secured well.  
Cleaned tools and floor with vac as needed.

NOTE: No over pulls while coming out of hole.

16:30 18:30 2.0 h

RIH w/ Bailer # 6 as follows:

75 - 60mm slimhole TBG JTS: 709.84m  
1 - 60mm 3 pin drain: 0.25m  
20 - 60mm TBG JTS: 189.17m  
1 - 60mm 2 pin drain: 0.25m  
10 - 60mm slimhole TBG JTS: 95.70m  
1 - 60mm 6' handling pup: 1.88m  
1 - 60mm ball check valve: 0.46m  
1 - 60mm Tryton sand Bailer: 2.24m  
1 - 60mm ball check valve: 0.45m  
35 - 60mm slimhole TBG JTS: 334.26m  
1 - 60mm Ball check valve: 0.46m  
1 - 60mm 2' pup joint: 0.65m  
1 - 60mm Flapper check valve: 0.34m  
1 - 60mm Spade bit (77.80mm OD): 0.18m

Landed spade at 1338.86mKb for night.  
Shut in and secured well with pipe rams and locked.  
Night capped well and rig tank.

SDFN.

#### DAILY FLUIDS

COMPANY	TICKET	SOURCE/DESTINATION	LEASE ( m³ )		WELL ( m³ )		REMAINING ( m³ )	
			TO	FROM	TO	FROM	TANK	WELL
Produced water								
NOTE	flush annulus mixed with MFR				20.00		10.00	138.00
NOTE	Trickle down annulus while bailing mixed with MFR				8.00		2.00	146.00
Wilf Brandt	202969	16-5-50-1w5	28.00				30.00	146.00
NOTE	Blow drain and flush tubing				6.00		24.00	152.00
NOTE	Pump down annulus while bailing / tripping to keep clean.				16.00		8.00	168.00
			TODAY	28.00	0.00	50.00	0.00	-22.00 m³
			RUNNING	176.00	0.00	168.00	0.00	8.00
								168.00

WELL DATA							
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$
0502001	100/16-11-051-02W5/00		Pump Change		22WO0037		\$0.00
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m
REPORT DETAILS							
REPORT DATE	PERCENT COMPLETE		RIG TIME		TOTAL RIG TIME		MAN HOURS
2022-09-17	0%		0.00 hr		0.00 hr		0.00 hr
TOTAL TIME	NON-PRODUCTIVE		FLARE VOLUME		TOTAL DAILY FLARE		CASING PRESSURE
8.00 hr	0.00 hr		0.00 e³m³		0.00 e³m³		0.00 kPa
COSTS					DAILY RENTALS		
TOTAL DAILY	COMPL. TOTAL		TOTAL CUMULATIVE		COMPL. CUMULATIVE		TOTAL DAILY
\$10,393.55	\$10,393.55		\$97,809.79		\$97,809.79		\$0.00
DAILY OPERATIONS					PERSONNEL		
<b>DAILY STATUS</b> Pulled bailer # 4, ran Bailer # 5  <b>24 HOUR SUMMARY</b> Pulled bailer # 4 and recovered 10 joints of frac sand. Ran bailer # 5 to liner top for night.  <b>NEXT 24 HOURS</b> Bail HZ					CONSULTANT		
					Dustin Kreiser 403-502-4023		
					OPERATIONS MANAGER		
					Kevin Saizew 403-999-8087		
					<b>COMPLETION RIGS</b>		
					CONTRACTOR	#	START
					CWC	296	2022-09-13
					<b>WEATHER</b>		
					GENERAL		
					Sunny		
ROAD CONDITION							
OK							
TIME							
07:00							
TEMP							
15°C							
TIME LOG							
FROM	TO	DUR	NPT CODE	DETAILS			
07:30	08:00	0.5 h		Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day pull bailer and mud can out chamber joints, clean floor, make up bailer and run back in and bail well clean as needed. Reviewed good well control procedures for switching over handling equipment, flush well as needed to keep clean. Reviewed CWC PJSM / JSAs for applicable tasks. If unsure of task stop and ask.			
08:00	08:30	0.5 h		R&R well pressures, TSTM both sides. Function tested BOPs and accumulator, working correctly. Function tested Ekills and crown saver, working correctly. Readied work floor to trip out of hole. Started pump down annulus at 100l/min to keep TBG clean while pulling.			
08:30	12:00	3.5 h		Pulled last 10 stands of 89mm TBG, landed hanger and changed over pipe rams to 60mm, changed over handling equipment. Tested pipe rams to 1.4MPa & 21MPa for 10 min each, held 100%.  Continued pulling out of hole with 60mm TBG, finding several joints are cork screwed, laid out accordingly, 24 joints junked. Found bottom 2 pin drain is blown.  Rigged in mud can and Wilf Brandt Vac truck. Mud canned out chamber joints and recovered 10 joints of solid frac sand. Bottom spade and float assembly is shiny, looks like sand abrasion.  Cleaned tools and floor. Readied to trip back in hole.			
12:00	15:30	3.5 h		RIH w/ Full bailer string as follows:  Bailer # 5 KB Diff: 2.65m 20 - 89mm TBG JTS: 191.2m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m  Ran all 60mm TBG to 1338.86mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole.  Ran 10 stand of 89mm TBG and positioned spade bit at 1530.49mKb Landed above liner top for night.  Shut in and secured well with pipe rams and locked. Night capped well and rig tank.  SDFN.			
DAILY FLUIDS							
COMPANY	TICKET		SOURCE/DESTINATION		LEASE ( m³ )		WELL ( m³ )
REMAINING ( m³ )							



			TO	FROM	TO	FROM	TANK	WELL
Produced water								
Wilf Brandt	202968	16-5-50-1w5	30.00				37.00	111.00
NOTE	Flush down casing while pulling baler				7.00		30.00	118.00
			TODAY	30.00	0.00	7.00	0.00	23.00 m³
			RUNNING	148.00	0.00	118.00	0.00	30.00
								7.00
								118.00



WELL DATA								
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$	
0502001	100/16-11-051-02W5/00		Pump Change		22WO0037		\$0.00	
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH	
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m	
REPORT DETAILS								
REPORT DATE	PERCENT COMPLETE	RIG TIME	TOTAL RIG TIME		MAN HOURS		TOTAL MAN HOURS	
2022-09-16	-	-	0.00 hr		-		0.00 hr	
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME	TOTAL DAILY FLARE		CASING PRESSURE		TUBING PRESSURE	
12.00 hr	0.00 hr	-	0.00 e³m³		-		-	
COSTS					DAILY RENTALS			
TOTAL DAILY	COMPL. TOTAL		TOTAL CUMULATIVE		COMPL. CUMULATIVE		TOTAL DAILY	COMPL. TOTAL
\$16,287.40	\$16,287.40		\$87,416.24		\$87,416.24		\$0.00	\$0.00
DAILY OPERATIONS					PERSONNEL			
<b>DAILY STATUS</b> HZ bailing  <b>24 HOUR SUMMARY</b> Pulled bailer #3 and recovered 16 joints of frac sand Ran bailer # 4 to 2362.82mKb and stopped making progress, pulled to liner top for night.  <b>NEXT 24 HOURS</b> Pull bailer and mud can.					CONSULTANT			
					Dustin Kreiser 403-502-4023			
					OPERATIONS MANAGER			
					Kevin Saizew 403-999-8087			
					COMPLETION RIGS			
					CONTRACTOR	#	START RELEASE	
					CWC	296	2022-09-13 2022-09-21	
					WEATHER			
					GENERAL			
					Sunny			
					ROAD CONDITION			
					OK			
					TIME	TEMP		
					07:00	21°C		
TIME LOG								
FROM	TO	DUR	NPT CODE	DETAILS				
07:30	08:00	0.5 h		Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to pull TBG, rig in mud can, mud can out chamber joints. Clean floor and run back in with bailer and or production depending on what is found. Reviewed mud canning procedures, watch for signs of trapped pressure. Reviewed CWC PJSM / JSAs for applicable tasks.				
08:00	08:15	0.25 h		R&R well pressures, TSTM both sides. Function tested BOPS and accumulator, working correctly. Readied floor to trip out of hole.				
08:15	08:45	0.5 h		Pulled last stand of 89mm TBG, landed hanger and changed over pipe rams to 60mm, changed over handling equipment. Tested pipe rams to 1.4MPa & 21MPa for 10 min each, held 100%.				
08:45	12:30	3.75 h		POOH w/ 60mm TBG and stood in derrick. Had to stop and flush with 3m3 hot produced water down TBG, pulling oily. Mud canned out bailer chamber, found lower 2 pin drain blown. Btm 16 joints packed full of frac sand. Remaining above was water. Cleaned out TBG joints and stood. Used vac to clean and wash floor handling equipment. Flipped tongs and readied to run back in with bailer.				
12:30	17:30	5.0 h		Full Baling BHA ran as follows: Bailer # 4  KB Diff: 2.65m 109 - 89mm TBG JTS: 1043.14m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m  Ran all 60mm TBG to 1338.95mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole.  Ran thru liner top on joint # 164 at 1570.22mKb - No tag, continued in hole. Ran into liner and pull tested every 3rd stand, no over pulls or issues running in hole, 10daN down weight.  Ran to joint # 232, tagged at 2209.57mKb, bailed down stand, hard bail about 10 strokes to clean up. Continued in hole.  Sleeve 46 - 2194.87mKb Sleeve 45 - 2235.59mKb  Ran to joint # 244, light bailing down stand at 2305.92mKb, stand landed at 2314.92mKb Had to bail down next 2 stands, easy bailing, no over pulls but taking weight and casing was not left clean here on first attempt. Bailed down to joint # 248 at 2353.26mKb, good in hole weight, 9.5daN, no over pulls or issues.  Sleeve 44 - 2276.37mKb Sleeve 43 - 2316.73mKb				

Sleeve 42 - 2357.70mKb

Ran down joint # 249, tagging solid at 2362.82mKb. Bailed on for 45 minutes, bailer stroke OK but loose it at times. Made down ~ 3m and progress slowed. Pulled stand and worked, over pulled to 28daN. Ran back down and string taking weight. Suspect it is combination of sand / friction.

Sleeve 42 - 2357.70mKb  
Sleeve 41 - 2398.53mKb

Was trickling fluid down annulus at 100l/min.  
Shut in pipe rams and TI valve.

Flushed annulus with 8m3 hot produced water at 600l/min & 0.50MPa.

Flipped tongs and started out of hole.

17:30 18:30 1.0 h

POOH w/ TBG, no further over pulls or issues.  
Joint # 198, spade at 1875.22mKb.  
TBG wet, rigged in pump lines to TBG, blew drain at 6MPa, flushed TBG with 6m3 hot produced water at 600l/min & 2MPa.  
SITP - VAC

Continued out of hole.

Landed joint # 160 - 1511.31mKb in slips for night above liner top.

18:30 19:30 1.0 h

Shut in well with pipe rams and locked.  
Night capped well and rig tank.  
Cleaned floor and BOPs from bailer trip.

SDFN.

#### DAILY FLUIDS

COMPANY		TICKET	SOURCE/DESTINATION	LEASE ( m³ )		WELL ( m³ )		REMAINING ( m³ )		
				TO	FROM	TO	FROM	TANK	WELL	
Produced water										
Wilf Brandt		202964	5-27-49-1w5	30.00				30.00	88.00	
NOTE	Flush annulus						8.00	22.00	96.00	
NOTE	Blow drain, flush tubing						6.00	16.00	102.00	
NOTE	flush tubing pulling bailer						3.00	13.00	105.00	
NOTE	trickle down annulus bailing						6.00	7.00	111.00	
				TODAY	30.00	0.00	23.00	0.00	7.00 m³	23.00
				RUNNING	118.00	0.00	111.00	0.00	7.00	111.00

WELL DATA								
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$	
0502001	100/16-11-051-02W5/00		Pump Change		22WO0037		\$0.00	
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH	
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m	
REPORT DETAILS								
REPORT DATE	PERCENT COMPLETE	RIG TIME		TOTAL RIG TIME	MAN HOURS		TOTAL MAN HOURS	
2022-09-15	-	-		0.00 hr	-		0.00 hr	
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME		TOTAL DAILY FLARE	CASING PRESSURE		TUBING PRESSURE	
13.00 hr	0.00 hr	-		0.00 e³m³	-		-	
COSTS					DAILY RENTALS			
TOTAL DAILY	COMPL. TOTAL		TOTAL CUMULATIVE		COMPL. CUMULATIVE		TOTAL DAILY	COMPL. TOTAL
\$15,159.45	\$15,159.45		\$71,128.84		\$71,128.84		\$0.00	\$0.00
DAILY OPERATIONS					PERSONNEL			
<b>DAILY STATUS</b> HZ Bailing  <b>24 HOUR SUMMARY</b> Ran bailer # 2 to liner top, little to no sand recovered. Ran bailer # 3 into liner and got to 2295.84, bailing on hard bridge and lost stroke. Pulled above liner top for night.  <b>NEXT 24 HOURS</b> Pull bailer					CONSULTANT			
					Dustin Kreiser 403-502-4023			
					OPERATIONS MANAGER			
					Kevin Saizew 403-999-8087			
					COMPLETION RIGS			
					CONTRACTOR	#	START	RELEASE
					CWC	296	2022-09-13	2022-09-21
WEATHER								
GENERAL								
Sunny								
ROAD CONDITION								
OK								
TIME		TEMP						
07:00		20°C						
TIME LOG								
FROM	TO	DUR	NPT CODE	DETAILS				
07:30	08:00	0.5 h		Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to make up bailer and run to liner top and confirm clean, pull out and mud can, run in and bail HZ section clean, pull out and mudcan. Reviewed Tryton & CWC PJSM / JSAs for applicable tasks. Good communication making up tools and bailing. All PPE to be worn while mudcanning, watch for signs of trapped pressure, take time and keep work area clean. If unsure of task stop and ask.				
08:00	08:15	0.25 h		R&R well pressures SICP: TSTM (slight vac) Function tested BOPs & accumulator, working correctly. Made up bailing BHA and readied to run in hole. Wilf Brandt on site loaded rig tank with 30m3 hot produced water.				
08:15	14:30	6.25 h		RIH w/ Bailer # 2 assembly as follows: (Decision made to run to liner top with 5.75" shoe to confirm 7" is clean after having issues pulling out of hole yesterday, clean any potential sand thru build section)  KB Diff: 2.65m 26 - 89mm TBG JTS: 249.15m 1 - 89mm x 69mm crossover: 0.14m 105 - 60mm slimhole TBG JTS: 991.74m 1 - 60mm 6' handling pup: 1.23m 1 - 60mm open drain: 0.33m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 34 - 60mm slimhole TBG JTS: 327.70m 1 - 60mm Ball check valve: 0.46m 1 - 60mm joint: 9.56m 1 - 60mm Flapper check valve: 0.34m 1 - 146.05mm Clean out shoe w/ XO to 60mm: 0.86m  Ran all 60mm TBG to 1338.18mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole.  Continued in hole to liner top at 1570.22mKb, worked last 6 stands (12 joints) up and down while tripping in hole. No tags. Tagged liner top with no issues, stroked baler on liner top 10 times while flipping tongs. Readied floor to trip out of hole.  POOH w/ TBG as listed above. Landed hanger and changed over pipe rams from 89mm to 60mm, pressure tested to 1.4MPa & 21MPa for 10min each, held 100%. Changed over handling equipment and continued out of hole. Rigged in mudcan for chamber joints, recovered all water, little to no sand.  NOTE: Had to stop and flush TBG with 4m3 hot produced water to keep clean while tripping. Pumped 2m3 down annulus while tripping.  Cleaned floor and readied to trip back in hole.				
14:30	20:30	6.0 h		Full Baling BHA ran as follows: Bailer # 3  KB Diff: 2.65m 100 - 89mm TBG JTS: 956.89m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m				

1 - 60mm Tryton sand Bailer: 2.24m  
1 - 60mm ball check valve: 0.45m  
35 - 60mm slimhole TBG JTS: 334.26m  
1 - 60mm Ball check valve: 0.46m  
1 - 60mm 2' pup joint: 0.65m  
1 - 60mm Flapper check valve: 0.34m  
1 - 60mm Spade bit (77.80mm OD): 0.18m

Ran all 60mm TBG to 1338.95mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole.

Ran thru liner top on joint # 164 at 1570.22mKb - Tagged on depth, picked up and rotated into hanger. No further issues.

Ran down to joint # 174, having issues on pull test, pulled over.  
Worked out double stand.

Pulled out above liner top back to joint # 164, Bailed and stroked each joint back down to joint # 174 and pull tested double stand, no over pulls or issues. No tags seen going in hole (There is a very aggressive deviation in this area of well.)

Ran next stand down to 1683.92mKb, stroke tested - No issues or over pulls.  
Continued in hole pull testing each stand and stroking bailer.

Tagged on joint # 234 at 2230.26mKb, baled down easy in ~ 5 stroked, pull tested and no over pulls.

Baled down next stand, tagged on joint # 235 at 2247.98mKb, baled down in ~ 5 strokes, no over pulls or hang ups.

Tagged on joint # 237 8m in at 2265.54mKb, hard baling, continued to work and starting to loose bailer stroke. Was able to bail stand down to 2276.70mKb. Stroke tested with no over pulls or hang ups.

Ran down next stand to joint # 240 at 2295.84mKb. Cannot get bailer to stroke.  
Worked and no change.

Flipped tongs and readied to pull out of hole.  
Had to work first 3 stands out, pulling over up to 16 - 18daN.

Continued out of hole with no issues until stand joint # 212 at 2027.75mKb, was able to work out of hole at 26daN, moving in and out hole working joint out of hole.

Joint # 210 at 2018.14mKb, pulling over to 26daN, no making head way.

Landed joint (no issues running in hole).  
Flushed annulus with 8m3 at 550l/min & 0.50MPa, no pressure up or issues, CSG - VAC.

Continued out of hole with out an hang ups.

Joint # 170 TBG pulling wet. Spade at 1626.42mKb.  
Rigged into TBG and blew drain at 10MPa, flushed TBG with 6m3 hot produced water.

Pulled TBG with no further issues.  
Landed spade above liner hanger for night at 1358.10mKb

Shut in and secured well with pipe rams and locked.  
Night capped well and rig tank.

SDFN.

#### DAILY FLUIDS

COMPANY	TICKET	SOURCE/DESTINATION	LEASE ( m³ )		WELL ( m³ )		REMAINING ( m³ )		
			TO	FROM	TO	FROM	TANK	WELL	
Produced water									
Wilf Brandt	203235	5-27-49-1w5	30.00				31.00	57.00	
NOTE	Flush tubing				4.00		27.00	61.00	
NOTE	Flush annulus				2.00		25.00	63.00	
NOTE	flush casing				8.00		17.00	71.00	
NOTE	flush tubing				6.00		11.00	77.00	
NOTE	trickle down annulus while bailing				11.00		0.00	88.00	
			TODAY	30.00	0.00	31.00	0.00	-1.00 m³	31.00
			RUNNING	88.00	0.00	88.00	0.00	0.00	88.00

WELL DATA							
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$
0502001	100/16-11-051-02W5/00		Pump Change		22WO0037		\$0.00
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m
REPORT DETAILS							
REPORT DATE	PERCENT COMPLETE	RIG TIME	TOTAL RIG TIME	MAN HOURS	TOTAL MAN HOURS		
2022-09-14	-	-	0.00 hr	-	0.00 hr		
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME	TOTAL DAILY FLARE	CASING PRESSURE	TUBING PRESSURE		
13.00 hr	0.00 hr	-	0.00 e³m³	-	-		
COSTS					DAILY RENTALS		
TOTAL DAILY	COMPL. TOTAL	TOTAL CUMULATIVE	COMPL. CUMULATIVE	TOTAL DAILY	COMPL. TOTAL		
\$34,563.74	\$34,563.74	\$55,969.39	\$55,969.39	\$0.00	\$0.00		
DAILY OPERATIONS					PERSONNEL		
<b>DAILY STATUS</b> HZ bailing  <b>24 HOUR SUMMARY</b> Bailed well down to 2489.07mKb, Bailer run # 1. Pulled and recovered 20 full joints of frac sand.  <b>NEXT 24 HOURS</b> Bail well clean.					CONSULTANT		
					Dustin Kreiser 403-502-4023		
					OPERATIONS MANAGER		
					Kevin Saizew 403-999-8087		
					COMPLETION RIGS		
					CONTRACTOR	#	START RELEASE
					CWC	296	2022-09-13 2022-09-21
WEATHER							
GENERAL							
Sunny							
ROAD CONDITION							
OK							
TIME		TEMP					
07:00		22°C					
TIME LOG							
FROM	TO	DUR	NPT CODE	DETAILS			
07:30	08:00	0.5 h		Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to make up Tryton HZ bailer and clean well out as needed. Reviewed BHA set up and run procedure. Reviewed well control procedures for baling / tripping, changing over handling equipment and pipe rams etc. Reviewed CWC PJSM / JSAs for applicable tasks.			
08:00	08:30	0.5 h		R&R well pressures. SICP - TSTM. Function tested Ekills, crown saver and rig horn, all working correctly. Tallied and made up BHA. Readied floor to RIH.			
08:30	15:00	6.5 h		Full Baling BHA ran as follows:  KB Diff: 2.65m 140 - 89mm TBG JTS: 1338.99m 1 - 89mm x 69mm crossover: 0.14m 66 - 60mm slimhole TBG JTS: 521.00m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m  Ran all 60mm TBG to 1150.08mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole.  Ran thru liner top on joint # 164 at 1570.22mKb - No tag seen. Continued in hole.  Tagged on joint # 186 at 1778mKb (above all sleeves in well), bailed double stand down, easy baling ~ 10 strokes. Bailed down to 1800.53mKb on joint # 186. Continued in hole. Stroke tested joints, no over pulls or issues. (Top sleeve # 52: 1951.49mKb)  Tagged on joint # 220 at 2090mKb, baled double stand down to 2106.97, harder bailing, had to bail entire stand down. (Sleeve 49: 2072.97mKb <> Sleeve 48: 2113.56mKb)  Bailed down next 4 stands, easier baling, 3 - 4 strokes per stand down to 2183.66mKb. (Sleeve 46: 2194.87mKb)  Continued in hole with 89mm TBG to joint # 260 at 2489.07mKb. Starting to friction out, stroke each joint with no over pulls or issues. Good bailer action. (Sleeve 39: 2479.36mKb <> Sleeve 38: 2520.17mKb <> Past top 14 sleeves in well)  Stroked joint on btm 10 times. Flipped tongs and readied to POOH.  NOTE: While bailing trickled 15m3 hot produced water down annulus at 90l/min.			
15:00	16:00	1.0 h		Starting pulling out of hole and pulling heavy, having to work each joint out, pulling up to 30daN and working down to work out each joint. Pulled 10 joints. Shut in pipe rams and flushed 8m3 produced water down annulus at 600l/min & 0.50MPa. - SICP: VAC. Resumed pulling TBG, not having to work out of hole. Suspect is was not friction while bailing in hole, 7" casing was dirty possibly, drug sand in while tripping in hole. As we tripped the 10 joints out each pull got harder to work out prior to flushing.			

16:00 20:30 4.5 h

Once TBG pulled wet, rigged in pump line to TI valve, filled hole with 0.50m3 produced water and blew TBG drain at 13.50MPa

POOH w/ remaining 89mm TBG and stood in derrick.  
Landed hanger and switched over pipe rams & handling equipment to 60mm.  
Continued out of hole with 60mm TBG and stood in derrick.

Found bottom 2 pin drain blown, rigged in mud can.

Mudcanned out from drain to bailer and baler chamber.  
Recovered 3 joints of sand hard packed above bailer.  
Bailer seized open  
17 full joints of sand below bailer.

Cleaned up with vac and cleaned tools.

Shut in and secured well with blind rams and locked.  
Night capped well and rig tank.

SDFN.

#### DAILY FLUIDS

COMPANY	TICKET	SOURCE/DESTINATION	LEASE ( m³ )		WELL ( m³ )		REMAINING ( m³ )	
			TO	FROM	TO	FROM	TANK	WELL
Produced water								
Wilf Brandt	203315	5-27-49-1w5	20.00				30.00	28.00
NOTE	Trickle down casing while baling				15.00		15.00	43.00
NOTE	Flush casing				8.00		7.00	51.00
NOTE	Blow drain				0.50		6.50	51.50
NOTE	Flush while tripping				5.50		1.00	57.00
			TODAY	20.00	0.00	29.00	0.00	-9.00 m³
			RUNNING	58.00	0.00	57.00	0.00	1.00
								29.00
								57.00

WELL DATA							
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$
0502001	100/16-11-051-02W5/00		Pump Change		22WO0037		\$0.00
GROUND ELE	KB > GROUND	KB ELE	CF > GROUND	TH > GROUND	KB > TH	DH > GROUND	KB > DH
742.01 m	5.50 m	747.51 m	0.00 m	0.60 m	4.90 m	0.00 m	5.50 m
REPORT DETAILS							
REPORT DATE	PERCENT COMPLETE		RIG TIME		TOTAL RIG TIME		MAN HOURS
2022-09-13	0%		0.00 hr		0.00 hr		0.00 hr
TOTAL TIME	NON-PRODUCTIVE		FLARE VOLUME		TOTAL DAILY FLARE		CASING PRESSURE
12.00 hr	0.00 hr		0.00 e³m³		0.00 e³m³		0.00 kPa
COSTS						DAILY RENTALS	
TOTAL DAILY	COMPL. TOTAL		TOTAL CUMULATIVE		COMPL. CUMULATIVE		TOTAL DAILY
\$21,405.65	\$21,405.65		\$21,405.65		\$21,405.65		\$0.00
DAILY OPERATIONS						PERSONNEL	
<b>DAILY STATUS</b> Pulled production  <b>24 HOUR SUMMARY</b> Moved in Amped rod rig and gripper, work corod free, flushed TBG and pulled corod. Moved in CWC double SR, rigged up, killed well, pulled and stood 89mm TBG, laid out BHA, recovered 0.5 joints of sand.  <b>NEXT 24 HOURS</b> Run bailer in HZ						CONSULTANT	
						Dustin Kreiser 403-502-4023	
						OPERATIONS MANAGER	
						Kevin Saizew 403-999-8087	
						COMPLETION RIGS	
						CONTRACTOR	#
						CWC	296
						WEATHER	
						GENERAL	
						Overcast	
ROAD CONDITION							
OK							
TIME							
07:00							
TEMP							
21°C							
TIME LOG							
FROM	TO	DUR	NPT CODE	DETAILS			
07:00	07:30	0.5 h		Received handover from operations. Locked out power source and flowline. Reviewed handover & job scope.			
07:30	08:00	0.5 h		Amped on location with rod rig and gripper. Issued and reviewed Blackspur safe work permit, Dir 33 and site ERP. Reviewed job scope to rig up and pull corod string, reviewed rod diagram and well kill procedure with hot produced water. Reviewed Amped PJSM / JSAs for applicable tasks.			
08:00	10:00	2.0 h		Spotted and rigged up Amped SR and gripper unit. SITP: TSTM Grounded all equipment to wellhead. Wilf Brandt moved in 10m3 hot produced water from 5-27-49-1w5 bty. Stood rig and centered over hole. Removed polish rod lock down device.  Worked Polish rod up to 24daN - only stretch no movement. Worked for 10 minutes, no change. Rigged in pump line to TBG and tested to 10MPa, held solid. Applied 7MPa to TBG with rig pump (full) took less than 200 liters to fill hole. Continued to work rod string up to 26daN, after ~ 40 minutes started to see some small signs of rotation Rod came free and back spun, TBG went on vac. Picked up to tag stuffing box. Flushed TBG with 10m3 produced water at 500l/min & 2MPa. SITP - Vac			
10:00	12:30	2.5 h		Stripped off top drive and secured on stand. Laid out polish rod. Rigged in work floor, stripped on rod BOP and function tested, working correctly. Laid out ponies and 2 regular rods. Secured corod with 6' stick up. Picked up gripper and rigged in arch.  Full rod string pulled as follows:  1 - 31.75mm x 12.2m Polish rod 1 - 1" x 3" spin thru for 3-1/2" TBG 2 - 25.4mm x 31.75mm Plain Ponies - 2', 6' 2 - 25.4mm x 31.75mm Plain Rods 1297m - ProRod 28.6mm 780M Corod string, 1" pin ends 1 - Weatherford 59-1800 Rotor - black on top ~ 3', do not see signs of sand abrasion on rotor, no tag bar wear  Rigged out arch and gripper. Removed rod BOP and secured well with 3.5" plug. Rigged out and released Amped rod rig and gripper unit.  NOTE: CWC 296 on site, spotted and rigged in pump and tank, transferred in 28m3 hot produced fluid to rig tank while pulling corod. Corod in excellent condition.			
12:30	13:00	0.5 h		Held PJSM with CWC rig # 296 crew. Issued and reviewed Blackspur safe work permit, Dir 33 and site ERP. Reviewed job scope and wellbore diagram. Reviewed well kill procedure and BHA break down. Reviewed CWC PJSM / JSAs for applicable tasks.			
13:00	14:30	1.5 h		Spotted rig matting for double SR with loader. Spotted and rigged up CWC 296 as per CAODC regulations. Grounded all equipment to wellhead. Function tested Ekill and crown saver, working correctly. Centered rig over hole. Spotted and rigged in TKO catwalk. Stump tested BOPs to 1.4MPa & 21MPa for 10 min each on blind rams and TI valve. Held 100%.			
14:30	16:00	1.5 h		R&R well pressures, TSTM both sides. NDWH, installed pup with TI valve in hanger, capped up flowline. Stripped on Class 3 BOP stack and secured to 3000# TBG Head. Pressure tested pipe rams, ring seal and hanger to 1.4MPa & 21MPa for 10 min each, held 100%. Pressure tested annular to 7000kPa, held solid. Function tested BOPS and accumulator, working correctly. Rigged in work floor and 89mm handling equipment, rigged in tongs and changed over to 89mm.			

			Flushed annulus with 12m3 hot produced water at 500l/min & 0.50MPa Flushed TBG with 6m3 hot produced water at 500l/min & 0.50MPa
			R&R well pressures, TSTM both sides. Readied floor to trip out of hole.
16:00	18:00	2.0 h	1 - 177mm x 89mm TC style TBG hanger 1 - 89mm J-55 8rdd EUE Evraz TBG JT 1 - 89mm 10' pup joint 137 - 89mm J-55 8rd EUE Evraz TBG JTS (Note: BTM 3 joints are Q2 wear resistant L80 joints 1 - 89mm 4' Boronized pup joint 1 - Weatherford 59-1800 Stator w/ tag bar 1 - 177mm x 89mm 5 blade CTA NTT 1 - 89mm 6' handling pup 1 - 89mm x 73mm bottleneck XO 1 - Spirit Hybrid X 2 piece gas separator- clean, not plugged, can see thru. 1 - 73mm x 89mm Fishneck XO 5 - 89mm Blueband tail joints 1 - 89mm solid bull plug and collar  TBG not scoped on this run, will scope out last baler run. Rigged in mud can for btm 5 tail joints. Recovered 4.5 joints water, 0.5 joints frac sand.
18:00	19:00	1.0 h	Shut in and secured well with blind rams and locked.  Switched over handling equipment and pipe rams to 60mm. Landed hanger and tested rams to 1.4MPa & 21MPa, held solid for 10 min each. Loaded catwalk with 60mm slimhole work string for morningg. Night capped well and rig tank. SDFN

DAILY FLUIDS

COMPANY	TICKET	SOURCE/DESTINATION	LEASE ( m <sup>3</sup> )		WELL ( m <sup>3</sup> )		REMAINING ( m <sup>3</sup> )	
			TO	FROM	TO	FROM	TANK	WELL
Produced water								
Wilf Brandt	203194	5-27-49-1w5	10.00				10.00	0.00
NOTE	Flush tubing				10.00		0.00	10.00
Wilf Brandt	202335	5-27-49-1w5	28.00				28.00	10.00
NOTE	Flush tubing				6.00		22.00	16.00
NOTE	flush casing				12.00		10.00	28.00
TODAY			38.00	0.00	28.00	0.00	10.00 m <sup>3</sup>	28.00
RUNNING			38.00	0.00	28.00	0.00	10.00	28.00



WELL DATA					
NAME	LICENSE #	COST CENTRE	UWI	LOCATION	
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada	
COMPLETIONS DATA					
NAME	START DATE	END DATE	AFE #	AFE \$	
Pump Change	2022-09-13	2022-09-21	22WO0037	\$0.00	
COST TOTALS					
COST ITEM	ESTIMATE	FIELD	EST v FIELD	ACTUAL	FIELD v ACTUAL
9322-407 - DOWNHOLE TOOLS *INACTIVE	\$0.00	\$14,647.84	-\$14,647.84	\$0.00	\$14,647.84
9322-431 - COMPLETIONS FLUIDS (FRESH WATER & BRINES OR KILL FLUID) *INACTIVE	\$0.00	\$2,335.55	-\$2,335.55	\$0.00	\$2,335.55
9322-439 - EQUIPMENT RENTALS (SURFACE) *INACTIVE	\$0.00	\$12,579.78	-\$12,579.78	\$0.00	\$12,579.78
9322-443 - FLUID HAULING (TANK TRUCKS) *INACTIVE	\$0.00	\$4,110.00	-\$4,110.00	\$0.00	\$4,110.00
9322-444 - FLUID TRANSFER (ON-SITE) *INACTIVE	\$0.00	\$680.00	-\$680.00	\$0.00	\$680.00
9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) *INACTIVE	\$0.00	\$17,334.40	-\$17,334.40	\$0.00	\$17,334.40
9322-453 - LIQUIDS/SOLIDS DISPOSAL *INACTIVE	\$0.00	\$2,873.80	-\$2,873.80	\$0.00	\$2,873.80
9322-467 - SERVICE RIG *INACTIVE	\$0.00	\$97,057.08	-\$97,057.08	\$0.00	\$97,057.08
9322-479 - TESTING & SURVEYS / FRAC FLOWBACK / JET PUMP *INACTIVE	\$0.00	\$2,265.25	-\$2,265.25	\$0.00	\$2,265.25
9322-481 - VACUUM SERVICES *INACTIVE	\$0.00	\$9,317.50	-\$9,317.50	\$0.00	\$9,317.50
9322-483 - WELLSITE SUPERVISION / CONSULTANT *INACTIVE	\$0.00	\$14,400.00	-\$14,400.00	\$0.00	\$14,400.00
9330-507 - BOTTOM HOLE PUMP - RECOVERABLE *INACTIVE	\$0.00	\$12,141.79	-\$12,141.79	\$0.00	\$12,141.79
TOTAL	\$0.00	\$189,742.99	-\$189,742.99	\$0.00	\$189,742.99

WELL DATA									
NAME	LICENSE #		COST CENTRE		UWI		LOCATION		
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001		WL2450239		100/16-11-051-02W5/00		Thorsby / Thorsby AB, Canada		
COMPLETIONS DATA									
NAME	START DATE		END DATE		AFE #		AFE \$		
Pump Change	2022-09-13		2022-09-21		22WO0037		0.00		
DAILY BREAKDOWN									
CODE - COST ITEM	2022-09-13	2022-09-14	2022-09-15	2022-09-16	2022-09-17	2022-09-18	2022-09-19	TOTAL	RUN. TOTAL
9322-407 - DOWNHOLE TOOLS (inactive) Tryton Tool Services (BS): tool hand estimate	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14,647.84	\$14,647.84	\$14,647.84
9322-431 - COMPLETIONS FLUIDS (FRESH WATER & BRINES OR KILL FLUID) (inactive) PureChem Services (BS): MFR for bailing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,335.55	\$2,335.55	\$2,335.55
9322-443 - FLUID HAULING (TANK TRUCKS) (inactive) Wilf Brandt Trucking (BS): deliver water for rod rig	\$880.00	\$680.00	\$510.00	\$680.00	\$680.00	\$680.00	\$0.00	\$4,110.00	\$4,110.00
Wilf Brandt Trucking (BS): deliver water to rig tank	\$455.00							\$455.00	
Wilf Brandt Trucking (BS): deliver produced water to rig tank	\$425.00		\$510.00	\$680.00				\$1,615.00	
9322-444 - FLUID TRANSFER (ON-SITE) (inactive) Wilf Brandt Trucking (BS): deliver produced water to rig tank	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$680.00	\$680.00	\$680.00
9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) (inactive) Topline Oilfield Hauling LTD (BS): deliver of rigs beam mat, stairs, etc for double SR	\$1,544.40	\$6,270.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,814.40	\$7,814.40
Rugged Oilfield Services (BS): deliver pump from Weatherford Redcliff, return old to Weatherford with NTT		\$6,270.00						\$1,544.40	
9322-453 - LIQUIDS/SOLIDS DISPOSAL (inactive) Secure Energy Services (BS): fluid / sand from vac	\$0.00	\$0.00	\$0.00	\$530.60	\$0.00	\$0.00	\$0.00	\$6,270.00	\$530.60
9322-467 - SERVICE RIG (inactive) CWC Well Service (BS): SR day work	\$16,586.25	\$12,281.95	\$12,331.95	\$11,476.80	\$7,396.05	\$10,461.65	\$10,929.23	\$530.60	\$81,463.88
Amped Energy (BS): rod rig	\$10,404.37	\$12,281.95	\$12,331.95	\$11,476.80	\$7,396.05	\$10,461.65	\$10,929.23	\$75,282.00	
Amped Energy (BS): gripper	\$3,717.13							\$3,717.13	
9322-481 - VACUUM SERVICES (inactive) Wilf Brandt Trucking (BS): vac for mud can	\$2,464.75	\$1,590.00	\$717.50	\$2,000.00	\$717.50	\$820.00	\$820.00	\$2,464.75	\$7,460.00
9322-483 - WELLSITE SUPERVISION / CONSULTANT (inactive) 1777792 AB Inc (BS): WSS	\$795.00	\$1,590.00	\$717.50	\$2,000.00	\$717.50	\$820.00	\$820.00	\$7,460.00	
9330-507 - BOTTOM HOLE PUMP - RECOVERABLE (inactive) Weatherford: New 59-1800, NTT, handling pup and polish rod	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$11,200.00	\$11,200.00
	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$11,200.00	
	\$0.00	\$12,141.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,141.79	\$12,141.79
		\$12,141.79						\$12,141.79	
DAILY	\$21,405.65	\$34,563.74	\$15,159.45	\$16,287.40	\$10,393.55	\$13,561.65	\$31,012.62	\$142,384.06	
CUMULATIVE	\$21,405.65	\$55,969.39	\$71,128.84	\$87,416.24	\$97,809.79	\$111,371.44	\$142,384.06		\$142,384.06

WELL DATA			ENERGY COST		
NAME	LICENSE #	COST CENTRE	UWI	LOCATION	
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada	
COMPLETIONS DATA					
NAME	START DATE	END DATE	AFE #	AFE \$	
Pump Change	2022-09-13	2022-09-21	22WO0037	\$0.00	
DAILY BREAKDOWN					
CODE - COST ITEM	2022-09-20	2022-09-21		TOTAL	RUN. TOTAL
9322-407 - DOWNHOLE TOOLS (inactive)	\$0.00	\$0.00		\$0.00	\$14,647.84
9322-431 - COMPLETIONS FLUIDS (FRESH WATER & BRINES OR KILL FLUID) (inactive)	\$0.00	\$0.00		\$0.00	\$2,335.55
9322-439 - EQUIPMENT RENTALS (SURFACE) (inactive)	\$0.00	\$12,579.78		\$12,579.78	\$12,579.78
TKO Rentals Ltd (BS): rent on combo trailer, catwalk, loader, slip type elevators, pipe racks, purchase slimhole collars, pipe wipers		\$12,579.78		\$12,579.78	
9322-443 - FLUID HAULING (TANK TRUCKS) (inactive)	\$0.00	\$0.00		\$0.00	\$4,110.00
9322-444 - FLUID TRANSFER (ON-SITE) (inactive)	\$0.00	\$0.00		\$0.00	\$680.00
9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) (inactive)	\$0.00	\$9,520.00		\$9,520.00	\$17,334.40
TKO Rentals Ltd (BS): deliver loader, deliver catwalk and set up, deliver combo trailer, load / unload 60mm workstring, deliver mud can & siphon tool, Deliver 89mm TBG from bty, hot shot slimhole collars, deliver MFR from purechem, skid steer to unload pipe at bty and load, re		\$9,780.00		\$9,780.00	
TKO Rentals Ltd (BS): credit on junk tubing		-\$260.00		-\$260.00	
9322-453 - LIQUIDS/SOLIDS DISPOSAL (inactive)	\$0.00	\$2,343.20		\$2,343.20	\$2,873.80
Secure Energy Services (BS): fluid from rig tank clean, sand from bailer runs		\$2,343.20		\$2,343.20	
9322-467 - SERVICE RIG (inactive)	\$9,008.93	\$6,584.27		\$15,593.20	\$97,057.08
CWC Well Service (BS): SR day work	\$9,008.93	\$4,260.90		\$13,269.83	
Amped Energy (BS): corod gripper		\$2,323.37		\$2,323.37	
9322-479 - TESTING & SURVEYS / FRAC FLOWBACK / JET PUMP (inactive)	\$2,265.25	\$0.00		\$2,265.25	\$2,265.25
Stimtech (BS): scope tubing	\$2,265.25			\$2,265.25	
9322-481 - VACUUM SERVICES (inactive)	\$0.00	\$1,857.50		\$1,857.50	\$9,317.50
Wilf Brandt Trucking (BS): vac clean rig tank		\$1,857.50		\$1,857.50	
9322-483 - WELLSITE SUPERVISION / CONSULTANT (inactive)	\$1,600.00	\$1,600.00		\$3,200.00	\$14,400.00
1777792 AB Inc (BS): WSS	\$1,600.00	\$1,600.00		\$3,200.00	
9330-507 - BOTTOM HOLE PUMP - RECOVERABLE (inactive)	\$0.00	\$0.00		\$0.00	\$12,141.79
DAILY	\$12,874.18	\$34,484.75		\$47,358.93	
CUMULATIVE	\$155,258.24	\$189,742.99			\$189,742.99

WELL DATA					
NAME	LICENSE #	COST CENTRE	UWI	LOCATION	
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada	
COMPLETIONS DATA					
NAME	START DATE	END DATE	AFE #	AFE \$	
Pump Change	2022-09-13	2022-09-21	22WO0037	\$0.00	
vendor// 1777792 AB INC (BS)				VENDOR TOTAL \$14,400.00	
cost code// 9322-483 - WELLSITE SUPERVISION / CONSULTANT (INACTIVE)					TOTAL \$14,400.00
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-13		WSS		DK-224	\$1,600.00
2022-09-14		WSS		DK-224	\$1,600.00
2022-09-15		WSS		DK-224	\$1,600.00
2022-09-16		WSS		DK-225	\$1,600.00
2022-09-17		WSS		DK-225	\$1,600.00
2022-09-18		WSS		DK-225	\$1,600.00
2022-09-19		WSS		DK-225	\$1,600.00
2022-09-20		WSS		DK-225	\$1,600.00
2022-09-21		WSS		DK-225	\$1,600.00
vendor// AMPED ENERGY (BS)				VENDOR TOTAL \$8,505.25	
cost code// 9322-467 - SERVICE RIG (INACTIVE)					TOTAL \$8,505.25
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-13		rod rig		RR14-369	\$3,717.13
2022-09-13		gripper		TMX4-1036	\$2,464.75
2022-09-21		corod gripper		TMX1-370	\$2,323.37
vendor// CWC WELL SERVICE (BS)				VENDOR TOTAL \$88,551.83	
cost code// 9322-467 - SERVICE RIG (INACTIVE)					TOTAL \$88,551.83
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-13		SR day work		TR00248505	\$10,404.37
2022-09-14		SR day work		TR00248506	\$12,281.95
2022-09-15		SR day work		TR00248507	\$12,331.95
2022-09-16		SR day work		TR00248508	\$11,476.80
2022-09-17		SR day work		TR00248509	\$7,396.05
2022-09-18		SR day work		TR00248510	\$10,461.65
2022-09-19		SR day work		TR00248511	\$10,929.23
2022-09-20		SR day work		TR00248512	\$9,008.93
2022-09-21		SR day work		TR00248513	\$4,260.90
vendor// PURECHEM SERVICES (BS)				VENDOR TOTAL \$2,335.55	
cost code// 9322-431 - COMPLETIONS FLUIDS (FRESH WATER & BRINES OR KILL FLUID) (INACTIVE)					TOTAL \$2,335.55
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-19		MFR for bailing		277941	\$2,335.55
vendor// RUGGED OILFIELD SERVICES (BS)				VENDOR TOTAL \$6,270.00	
cost code// 9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) (INACTIVE)					TOTAL \$6,270.00
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-14		deliver pump from Weatherford Redcliff, return old to Weatherford with NTT		6770	\$6,270.00
vendor// SECURE ENERGY SERVICES (BS)				VENDOR TOTAL \$2,873.80	
cost code// 9322-453 - LIQUIDS/SOLIDS DISPOSAL (INACTIVE)					TOTAL \$2,873.80
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-16		fluid / sand from vac		BCFST-002436	\$530.60
2022-09-21		fluid from rig tank clean, sand from bailer runs		BCFST-002492-1	\$2,343.20
vendor// STIMTECH (BS)				VENDOR TOTAL \$2,265.25	
cost code// 9322-479 - TESTING & SURVEYS / FRAC FLOWBACK / JET PUMP (INACTIVE)					TOTAL \$2,265.25
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-20		scope tubing		MR011	\$2,265.25
vendor// TKO RENTALS LTD (BS)				VENDOR TOTAL \$22,099.78	
cost code// 9322-439 - EQUIPMENT RENTALS (SURFACE) (INACTIVE)					TOTAL \$12,579.78
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-21		rent on combo trailer, catwalk, loader, slip type elevators, pipe racks, purchase slimhole collars, pipe wipers		DV-1994-1	\$12,579.78
cost code// 9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) (INACTIVE)					TOTAL \$9,520.00
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-09-21		deliver loader, deliver catwalk and set up, deliver combo trailer, load / unload 60mm workstring, deliver mud can & siphon tool,		DV-1994-2	\$9,780.00

		Deliver 89mm TBG from bty, hot shot slimhole collars, deliver MFR from purechem, skid steer to unload pipe at bty and load, re		
2022-09-21		credit on junk tubing	DV-1994-3	-\$260.00

vendor// <b>TOPLINE OILFIELD HAULING LTD (BS)</b>		VENDOR TOTAL <b>\$1,544.40</b>		
<b>cost code// 9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) (INACTIVE)</b>		TOTAL <b>\$1,544.40</b>		
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET
2022-09-13		deliver of rigs beam mat, stairs, etc for double SR		8105
				\$1,544.40

vendor// <b>TRYTON TOOL SERVICES (BS)</b>		VENDOR TOTAL <b>\$14,647.84</b>		
<b>cost code// 9322-407 - DOWNHOLE TOOLS (INACTIVE)</b>		TOTAL <b>\$14,647.84</b>		
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET
2022-09-19		tool hand estimate		CS0053108
				\$14,647.84

vendor// <b>WEATHERFORD</b>		VENDOR TOTAL <b>\$12,141.79</b>		
<b>cost code// 9330-507 - BOTTOM HOLE PUMP - RECOVERABLE (INACTIVE)</b>		TOTAL <b>\$12,141.79</b>		
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET
2022-09-14		New 59-1800, NTT, handling pup and polish rod		F1154031SO149668
				36
				\$12,141.79

vendor// <b>WILF BRANDT TRUCKING (BS)</b>		VENDOR TOTAL <b>\$14,107.50</b>		
<b>cost code// 9322-443 - FLUID HAULING (TANK TRUCKS) (INACTIVE)</b>		TOTAL <b>\$4,110.00</b>		
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET
2022-09-13		deliver water to rig tank		202335
				\$425.00
2022-09-13		deliver water for rod rig		203194
				\$455.00
2022-09-14		deliver produced water to rig tank		203315
				\$680.00
2022-09-15		deliver water to rig tank		203235
				\$510.00
2022-09-16		deliver water to rig tank		202964
				\$680.00
2022-09-17		deliver produced water to rig tank		202968
				\$680.00
2022-09-18		deliver produced water to rig tank		202969
				\$680.00
<b>cost code// 9322-444 - FLUID TRANSFER (ON-SITE) (INACTIVE)</b>		TOTAL <b>\$680.00</b>		
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET
2022-09-19		deliver produced water to rig tank		203113
				\$680.00
<b>cost code// 9322-481 - VACUUM SERVICES (INACTIVE)</b>		TOTAL <b>\$9,317.50</b>		
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET
2022-09-13		vac for mud can		201518
				\$795.00
2022-09-14		vac for mud can		201520
				\$1,590.00
2022-09-15		vac for mud can		201521
				\$717.50
2022-09-16		vac for mud can		199286
				\$2,000.00
2022-09-17		vac for mud can		201523
				\$717.50
2022-09-18		vac for mud can		203600
				\$820.00
2022-09-19		vac for mud can		203601
				\$820.00
2022-09-21		vac clean rig tank		203602
				\$1,857.50

<b>GRAND TOTAL</b>				<b>\$189,742.99</b>
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Completions Fuel Inventory

WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada
NAME	START DATE	END DATE	AFE #	AFE AMOUNT
Completions	2022-09-13	2022-09-21	22WO0037	\$0.00
FUEL INVENTORY				

WELL DATA					
NAME		LICENSE #	COST CENTRE	UWI	LOCATION
Thorsby 100/16-11-051-02W5/00 (S14-03)		0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada
COMPLETIONS DATA					
NAME		START DATE	END DATE	AFE #	AFE AMOUNT
Pump Change		2022-09-13	2022-09-21	22WO0037	\$0.00
TIME LOG					
FROM	TO	DUR	NPT	CODE	DETAIL
Completions Daily Report • 2022-09-13					
07:00	07:30	0.50 hr			Received handover from operations. Locked out power source and flowline. Reviewed handover & job scope.
07:30	08:00	0.50 hr			Amped on location with rod rig and gripper. Issued and reviewed Blackspur safe work permit, Dir 33 and site ERP. Reviewed job scope to rig up and pull corod string, reviewed rod diagram and well kill procedure with hot produced water. Reviewed Amped PJSM / JSAs for applicable tasks.
08:00	10:00	2.00 hr			Spotted and rigged up Amped SR and gripper unit. SITP: TSTM Grounded all equipment to wellhead. Wilf Brandt moved in 10m3 hot produced water from 5-27-49-1w5 bty. Stood rig and centered over hole. Removed polish rod lock down device. Worked Polish rod up to 24daN - only stretch no movement. Worked for 10 minutes, no change. Rigged in pump line to TBG and tested to 10MPa, held solid. Applied 7MPa to TBG with rig pump (full) took less than 200 liters to fill hole. Continued to work rod string up to 26daN, after ~ 40 minutes started to see some small signs of rotation Rod came free and back spun, TBG went on vac. Picked up to tag stuffing box. Flushed TBG with 10m3 produced water at 500l/min & 2MPa. SITP - Vac
10:00	12:30	2.50 hr			Stripped off top drive and secured on stand. Laid out polish rod. Rigged in work floor, stripped on rod BOP and function tested, working correctly. Laid out ponies and 2 regular rods. Secured corod with 6' stick up. Picked up gripper and rigged in arch. Full rod string pulled as follows: 1 - 31.75mm x 12.2m Polish rod 1 - 1" x 3" spin thru for 3-1/2" TBG 2 - 25.4mm x 31.75mm Plain Ponies - 2', 6' 2 - 25.4mm x 31.75mm Plain Rods 1297m - ProRod 28.6mm 780M Corod string, 1" pin ends 1 - Weatherford 59-1800 Rotor - black on top ~ 3', do not see signs of sand abrasion on rotor, no tag bar wear Rigged out arch and gripper. Removed rod BOP and secured well with 3.5" plug. Rigged out and released Amped rod rig and gripper unit. NOTE: CWC 296 on site, spotted and rigged in pump and tank, transferred in 28m3 hot produced fluid to rig tank while pulling corod. Corod in excellent condition.
12:30	13:00	0.50 hr			Held PJSM with CWC rig # 296 crew. Issued and reviewed Blackspur safe work permit, Dir 33 and site ERP. Reviewed job scope and wellbore diagram. Reviewed well kill procedure and BHA break down. Reviewed CWC PJSM / JSAs for applicable tasks.
13:00	14:30	1.50 hr			Spotted rig matting for double SR with loader. Spotted and rigged up CWC 296 as per CAODC regulations. Grounded all equipment to wellhead. Function tested Ekill and crown saver, working correctly. Centered rig over hole. Spotted and rigged in TKO catwalk. Stump tested BOPs to 1.4MPa & 21MPa for 10 min each on blind rams and TI valve. Held 100%.
14:30	16:00	1.50 hr			R&R well pressures, TSTM both sides. NDWH, installed pup with TI valve in hanger, capped up flowline. Stripped on Class 3 BOP stack and secured to 3000# TBG Head. Pressure tested pipe rams, ring seal and hanger to 1.4MPa & 21MPa for 10 min each, held 100%. Pressure tested annular to 7000kPa, held solid. Function tested BOPS and accumulator, working correctly. Rigged in work floor and 89mm handling equipment, rigged in tongs and changed over to 89mm. Flushed annulus with 12m3 hot produced water at 500l/min & 0.50MPa Flushed TBG with 6m3 hot produced water at 500l/min & 0.50MPa R&R well pressures, TSTM both sides. Readied floor to trip out of hole.
16:00	18:00	2.00 hr			1 - 177mm x 89mm TC style TBG hanger 1 - 89mm J-55 8rdd EUE Evraz TBG JT 1 - 89mm 10' pup joint 137 - 89mm J-55 8rd EUE Evraz TBG JTS (Note: BTM 3 joints are Q2 wear resistant L80 joints 1 - 89mm 4' Boronized pup joint 1 - Weatherford 59-1800 Stator w/ tag bar 1 - 177mm x 89mm 5 blade CTA NTT 1 - 89mm 6' handling pup 1 - 89mm x 73mm bottleneck XO 1 - Spirit Hybrid X 2 piece gas separator- clean, not plugged, can see thru. 1 - 73mm x 89mm Fishneck XO 5 - 89mm Blueband tail joints 1 - 89mm solid bull plug and collar TBG not scoped on this run, will scope out last baler run. Rigged in mud can for btm 5 tail joints. Recovered 4.5 joints water, 0.5 joints frac sand. Shut in and secured well with blind rams and locked.
18:00	19:00	1.00 hr			Switched over handling equipment and pipe rams to 60mm. Landed hanger and tested rams to 1.4MPa & 21MPa, held solid for 10 min each. Loaded catwalk with 60mm slimhole work string for morninnng. Night capped well and rig tank. SDFN
TOTAL		12.00 hr			
Completions Daily Report • 2022-09-14					
07:30	08:00	0.50 hr			Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to make up Tryton HZ bailer and clean well out as needed. Reviewed BHA set up and run procedure. Reviewed well control procedures for baling / tripping, changing over handling equipment and pipe rams etc. Reviewed CWC PJSM / JSAs for applicable tasks.
08:00	08:30	0.50 hr			R&R well pressures. SICP - TSTM. Function tested Ekills, crown saver and rig horn, all working correctly. Tallied and made up BHA. Readied floor to RIH.
08:30	15:00	6.50 hr			Full Baling BHA ran as follows: KB Diff: 2.65m 140 - 89mm TBG JTS: 1338.99m 1 - 89mm x 69mm crossover: 0.14m 66 - 60mm slimhole TBG JTS: 521.00m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m Ran all 60mm TBG to 1150.08mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole. Ran thru liner top on joint # 164 at 1570.22mKb - No tag seen. Continued in hole. Tagged on joint # 186 at 1778mKb (above all sleeves in well), bailed double stand down, easy baling ~ 10 strokes. Bailed down to 1800.53mKb on Joint # 186. Continued in hole. Stroke tested joints, no over pulls or issues. (Top sleeve # 52: 1951.49mKb) Tagged on joint # 220 at 2090mKb, baled double stand down to 2106.97, harder bailing, had to bail entire stand down. (Sleeve 49: 2072.97mKb <> Sleeve 48: 2113.56mKb) Bailed down next 4 stands, easier baling, 3 - 4 strokes per stand down to 2183.66mKb. (Sleeve 46: 2194.87mKb) Continued in hole with 89mm TBG to joint # 260 at 2489.07mKb. Starting to friction out, stroke each joint with no over pulls or issues. Good bailer action. (Sleeve 39: 2479.36mKb <> Sleeve 38: 2520.17mKb <> Past top 14 sleeves in well) Stroked joint on btm 10 times. Flipped tongs and readied to POOH. NOTE: While bailing trickled 15m3 hot produced water down annulus at 90l/min.
15:00	16:00	1.00 hr			Starting pulling out of hole and pulling heavy, having to work each joint out, pulling up to 30daN and working down to work out each joint. Pulled 10 joints. Shut in pipe rams and flushed 8m3 produced water down annulus at 600l/min & 0.50MPa. - SICP: VAC Resumed pulling TBG, not having to work out of hole. Suspect is was no friction while bailing in hole, 7" casing was dirty possibly, drug sand in while tripping in hole. As we tripped the 10 joints out each pull got harder to work out prior to flushing. Once TBG pulled wet, rigged in pump line to TI valve, filled hole with 0.50m3 produced water and blew TBG drain at 13.50MPa
16:00	20:30	4.50 hr			POOH w/ remaining 89mm TBG and stood in derrick. Landed hanger and switched over pipe rams & handling equipment to 60mm. Continued out of hole with 60mm TBG and stood in derrick. Found bottom 2 pin drain blown, rigged in mud can. Mudcanned out from drain to bailer and baler chamber. Recovered 3 joints of sand hard packed above bailer. Bailer seized open 17 full joints of sand below bailer. Cleaned up with vac and cleaned tools. Shut in and secured well with blind rams and locked. Night capped well and rig tank. SDFN.



TOTAL13.00 hr

## Completions Daily Report • 2022-09-15

07:30	08:00	0.50 hr	Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to make up bailer and run to liner top and confirm clean, pull out and mud can, run in and bail HZ section clean, pull out and mudcan. Reviewed Tryton & CWC PJSM / JSAs for applicable tasks. Good communication making up tools and bailing. All PPE to be worn while mudcanning, watch for signs of trapped pressure, take time and keep work area clean. If unsure of task stop and ask.
08:00	08:15	0.25 hr	R&R well pressures SICP: TSTM (slight vac) Function tested BOPs & accumulator, working correctly. Made up bailing BHA and readied to run in hole. Wilf Brandt on site loaded rig tank with 30m3 hot produced water.
08:15	14:30	6.25 hr	RIH w/ Bailer # 2 assembly as follows: (Decision made to run to liner top with 5.75" shoe to confirm 7" is clean after having issues pulling out of hole yesterday, clean any potential sand thru build section) KB Diff: 2.65m 26 - 89mm TBG JTS: 249.15m 1 - 89mm x 69mm crossover: 0.14m 105 - 60mm slimhole TBG JTS: 991.74m 1 - 60mm 6' handling pup: 1.23m 1 - 60mm open drain: 0.33m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 34 - 60mm slimhole TBG JTS: 327.70m 1 - 60mm Ball check valve: 0.46m 1 - 60mm joint: 9.56m 1 - 60mm Flapper check valve: 0.34m 1 - 146.05mm Clean out shoe w/ XO to 60mm: 0.86m Ran all 60mm TBG to 1338.18mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole. Continued in hole to liner top at 1570.22mKb, worked last 6 stands (12 joints) up and down while tripping in hole. No tags. Tagged liner top with no issues, stroked baler on liner top 10 times while flipping tongs. Readied floor to trip out of hole. POOH w/ TBG as listed above. Landed hanger and changed over pipe rams from 89mm to 60mm, pressure tested to 1.4MPa & 21MPa for 10min each, held 100%. Changed over handling equipment and continued out of hole. Riggd in mudcan for chamber joints, recovered all water, little to no sand. NOTE: Had to stop and flush TBG with 4m3 hot produced water to keep clean while tripping. Pumped 2m3 down annulus while tripping. Cleaned floor and readied to trip back in hole.
14:30	20:30	6.00 hr	Full Bailing BHA ran as follows: Bailer # 3 KB Diff: 2.65m 100 - 89mm TBG JTS: 956.89m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m Ran all 60mm TBG to 1338.95mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole. Ran thru liner top on joint # 164 at 1570.22mKb - Tagged on depth, picked up and rotated into hanger. No further issues. Ran down to joint # 174, having issues on pull test, pulled over. Worked out double stand. Pulled out above liner top back to joint # 164, Bailed and stroked each joint back down to joint # 174 and pull tested double stand, no over pulls or issues. No tags seen going in hole (There is a very aggressive deviation in this area of well.) Ran next stand down to 1683.92mKb, stroke tested - No issues or over pulls. Continued in hole pull testing each stand and stroking baler. Tagged on joint # 234 at 2230.26mKb, baled down easy in ~ 5 strokes, pull tested and no over pulls. Baled down next stand, tagged on joint # 235 at 2247.98mKb, baled down in ~ 5 strokes, no over pulls or hang ups. Tagged on joint # 237.8m in at 2265.54mKb, hard bailing, continued to work and starting to loose bailer stroke. Was able to bail stand down to 2276.70mKb. Stroke tested with no over pulls or hang ups. Ran down next stand to joint # 240 at 2295.84mKb. Cannot get bailer to stroke. Worked and no change. Flipped tongs and readied to pull out of hole. Had to work first 3 stands out, pulling over up to 16 - 18daN. Continued out of hole with no issues until stand joint # 212 at 2077.75mKb, was able to work out of hole at 26daN, moving in and out hole working joint out of hole. Joint # 210 at 2018.14mKb, pulling over to 26daN, no making head way. Landed joint (no issues running in hole). Flushed annulus with 8m3 at 550l/min & 0.50MPa, no pressure up or issues, CSG - VAC. Continued out of hole with out an hang ups. Joint # 170 TBG pulling wet. Spade at 1626.42mKb. Riggd into TBG and blew drain at 10MPa, flushed TBG with 6m3 hot produced water. Pulled TBG with no further issues. Landed spade above liner hanger for night at 1358.10mKb Shut in and secured well with pipe rams and locked. Night capped well and rig tank. SDFN.

TOTAL13.00 hr

## Completions Daily Report • 2022-09-16

07:30	08:00	0.50 hr	Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to pull TBG, rig in mud can, mud can out chamber joints. Clean floor and run back in with bailer and or production depending on what is found. Reviewed mud canning procedures, watch for signs of trapped pressure. Reviewed CWC PJSM / JSAs for applicable tasks.
08:00	08:15	0.25 hr	R&R well pressures, TSTM both sides. Function tested BOPS and accumulator, working correctly. Readied floor to trip out of hole.
08:15	08:45	0.50 hr	Pulled last stand of 89mm TBG, landed hanger and changed over pipe rams to 60mm, changed over handling equipment. Tested pipe rams to 1.4MPa & 21MPa for 10 min each, held 100%.
08:45	12:30	3.75 hr	POOH w/ 60mm TBG and stood in derrick. Had to stop and flush with 3m3 hot produced water down TBG, pulling oily. Mud canned out bailer chamber, found lower 2 pin drain blown. Btm 16 joints packed full of frac sand. Remaining above was water. Cleaned out TBG joints and stood. Used vac to clean and wash floor handling equipment. Flipped tongs and readied to run back in with bailer.
12:30	17:30	5.00 hr	Full Bailing BHA ran as follows: Bailer # 4 KB Diff: 2.65m 109 - 89mm TBG JTS: 1043.14m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m Ran all 60mm TBG to 1338.95mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole. Ran thru liner top on joint # 164 at 1570.22mKb - No tag, continued in hole. Ran into liner and pull tested every 3rd stand, no over pulls or issues running in hole, 10daN down weight. Ran to joint # 232, tagged at 2209.57mKb, bailed down stand, hard bail about 10 strokes to clean up. Continued in hole. Sleeve 46 - 2194.87mKb Sleeve 45 - 2235.59mKb Ran to joint # 244, light bailing down stand at 2305.92mKb, stand landed at 2314.92mKb Had to bail down next 2 stands, easy bailing, no over pulls but taking weight and casing was not left clean here on first attempt. Bailed down to joint # 248 at 2353.26mKb, good in hole weight, 9.5daN, no over pulls or issues. Sleeve 44 - 2276.37mKb Sleeve 43 - 2316.73mKb Sleeve 42 - 2357.70mKb Ran down joint # 249, tagging solid at 2362.82mKb. Bailed on for 45 minutes, bailer stroke OK but loose it at times. Made down ~ 3m and progress slowed. Pulled stand and worked, over pulled to 28daN. Ran back down and string taking weight. Suspect it is combination of sand / friction. Sleeve 42 - 2357.70mKb Sleeve 41 - 2398.53mKb Was trickling fluid down annulus at 100l/min. Shut in pipe rams and TI valve. Flushed annulus with 8m3 hot produced water at 600l/min & 0.50MPa. Flipped tongs and started out of hole.
17:30	18:30	1.00 hr	POOH w/ TBG, no further over pulls or issues. Joint # 198, spade at 1875.22mKb. TBG wet, rigged in pump lines to TBG, blew drain at 6MPa, flushed TBG with 6m3 hot produced water at 600l/min & 2MPa. SITP - VAC Continued out of hole. Landed joint # 160 - 1511.31mKb in slips for night above liner top.
18:30	19:30	1.00 hr	Shut in well with pipe rams and locked. Night capped well and rig tank. Cleaned floor and BOPs from bailer trip. SDFN.

TOTAL12.00 hr

## Completions Daily Report • 2022-09-17

07:30	08:00	0.50 hr	Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day pull bailer and mud can out chamber joints, clean floor, make up bailer and run back in and bail well clean as needed. Reviewed good well control procedures for switching over handling equipment, flush well as needed to keep clean. Reviewed
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			CWC PJSM / JSAs for applicable tasks. If unsure of task stop and ask.
08:00	08:30	0.50 hr	R&R well pressures, TSTM both sides. Function tested BOPs and accumulator, working correctly. Function tested Ekills and crown saver, working correctly. Readied work floor to trip out of hole. Started pump down annulus at 100l/min to keep TBG clean while pulling.
08:30	12:00	3.50 hr	Pulled last 10 stands of 89mm TBG, landed hanger and changed over pipe rams to 60mm, changed over handling equipment. Tested pipe rams to 1.4MPa & 21MPa for 10 min each, held 100%. Continued pulling out of hole with 60mm TBG, finding several joints are cork screwed, laid out accordingly, 24 joints junked. Found bottom 2 pin drain is blown. Rigged in mud can and Wilf Brandt Vac truck. Mud canned out chamber joints and recovered 10 joints of solid frac sand. Bottom spade and float assembly is shiny, looks like sand abrasion. Cleaned tools and floor. Readied to trip back in hole.
12:00	15:30	3.50 hr	RIH w/ Full bailer string as follows: Bailer # 5 KB Diff: 2.65m 20 - 89mm TBG JTS: 191.2m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m Ran all 60mm TBG to 1338.86mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole. Ran 10 stand of 89mm TBG and positioned spade bit at 1530.49mKb Landed above liner top for night. Shut in and secured well with pipe rams and locked. Night capped well and rig tank. SDFN.
<b>TOTAL8.00 hr</b>			

## Completions Daily Report • 2022-09-18

07:30	08:00	0.50 hr	Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to pump FR down annulus and run into liner to bail well clean, come out of hole and mud can out camber joints, clean tools and run back in with 89mm to scope tubing. Reviewed mud canning and well control procedures to switch from 60mm to 89mm. Reviewed mud canning procedures, watch for signs of trapped pressure, flush well as needed to keep clean while tripping. Any venting shut in and flush.
08:00	09:30	1.50 hr	R&R well pressures, TSTM both sides. Function tested BOPs and accumulator, working correctly. Mixed up 28m3 hot produced water at 4l/m3 with MFR from PureChem. Circulated rig tank to full mix. Pumped 20m3 hot produced water mixed with MFR down annulus at 500l/min & 0.50MPa. SICP - Vac. Left pump on at min rate trickling down annulus to bail.
09:30	16:30	7.00 hr	Full Baling BHA ran as follows: Bailer # 5 KB Diff: 2.65m 131 - 89mm TBG JTS: 1223.94m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m Ran all 60mm TBG to 1338.86mKb. Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole. Ran thru liner top on joint # 165 at 1570.22mKb - No tag Continued in hole to joint # 260 and tagged at 2482.80mKb (deepest we had been was 2489.07mKb) NOTE: Ran to this point without issues, pull tests all good. Adding the MFR we added 4daN string weight. Noticeable difference to run in hole. Baled down each joint # 260 - 268. 10 - 15 strokes per joint, solid consistent bailing. No major hang ups, no over pulls. Bailed down to joint # 168, 2561.80mKb, lost bailer stroke and could not get back. Flipped tongs and readied to POOH. Sleeve # 37 - 2559.96mKb Sleeve # 38 - 2520.17mKb Sleeve # 39 - 2479.36mKb Pulled out of hole with 19 joints of 89mm TBG and stood in derrick. Spade at: 2410.72mKb TBG is wet. Rigged into TBG and blew drain at 7MPa. Flushed TBG with 6m3 hot produced water. Continued out of hole. Landed hanger and switched over handling equipment and pipe rams to 60mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Pulled hanger and resumed out of hole. Rigged in mud can and confirmed bottom drain blown. Found pump joint above bailer full of frac sand, bailer is sanded off and seized open. Sand in both floats. Mud canned out bailer chamber and found 17 joints of hard packed frac sand. Out of hole with TBG, closed blind rams and secured well. Cleaned tools and floor with vac as needed. NOTE: No over pulls while coming out of hole.
16:30	18:30	2.00 hr	RIH w/ Bailer # 6 as follows: 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m Landed spade at 1338.86mKb for night. Shut in and secured well with pipe rams and locked. Night capped well and rig tank. SDFN.
<b>TOTAL11.00 hr</b>			

## Completions Daily Report • 2022-09-19

07:30	08:00	0.50 hr	Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to run bailer, bail well clean as needed. Trip out and mud can bailer chamber, clean floor and run back in and ready to scope production tubing. Reviewed good well control and bailing practices, watch for signs of trapped pressure in bailer chamber. Reviewed procedures to change over handling equipment, pipe rams and pressure test. Reviewed CWC PJSM / JSAs for applicable tasks.
08:00	09:00	1.00 hr	R&R well pressures, TSTM both sides. Function tested BOPs and accumulator, working correctly. Function tested Ekills and crown saver, working correctly. Landed hanger, changed over handling equipment and pipe rams to 89mm. Pressure tested pipe rams, hanger and BOPs to 1.4MPa & 21MPa for 10 min each, held 100%. Function tested BOPs and readied to trip in hole with 89mm TBG.
09:00	17:30	8.50 hr	Full Baling BHA ran as follows: Bailer # 6 KB Diff: 2.65m 147 - 89mm TBG JTS: 1406.19m 1 - 89mm x 69mm crossover: 0.14m 75 - 60mm slimhole TBG JTS: 709.84m 1 - 60mm 3 pin drain: 0.25m 20 - 60mm TBG JTS: 189.17m 1 - 60mm 2 pin drain: 0.25m 10 - 60mm slimhole TBG JTS: 95.70m 1 - 60mm 6' handling pup: 1.88m 1 - 60mm ball check valve: 0.46m 1 - 60mm Tryton sand Bailer: 2.24m 1 - 60mm ball check valve: 0.45m 35 - 60mm slimhole TBG JTS: 334.26m 1 - 60mm Ball check valve: 0.46m 1 - 60mm 2' pup joint: 0.65m 1 - 60mm Flapper check valve: 0.34m 1 - 60mm Spade bit (77.80mm OD): 0.18m Landed hanger, changed pipe rams to 89mm, pressure tested to 1.4MPa & 21MPa for 10 min each, held 100%. Changed over handling equipment, continued in hole. Ran thru liner top on joint # 165 at 1570.22mKb - No tag Ran back down to joint # 268 same depth as previous day without any tags or issues. Ran to joint # 276 without issue, then tagged at 2630.96mKb, bailed down ~ 15 strokes, harder bailing. Joint # 277, bailed down entire joint to 2649.14mKb, harder bailing. Joint # 278, bailed down entire joint, much easier bailing down to 2658.72mKb Continued in hole until joint # 287 at 2745.05mKb. Stroked each joint 3 - 4 times, more friction than bailing. No further hard joints to bail down. Would suggest more MFR to get further into well. Final depth 2745.05mKb joint # 287 down. Flipped tongs and readied to POOH. Pulled 25 joints and rigged in to blow tubing drain. Blew drain at 7MPa, flushed TBG with 6m3 hot produced water. Continued out of hole with TBG. Pulled and stood all 89mm TBG, no over pulls or issues coming out of liner. Landed hanger and changed over pipe rams & handling equipment to 60mm. Pressure tested rams and BOPs to 1.4MPa & 21MPa for 10 min each, held 100%. Pulled hanger and removed. Pulled and laid out 60mm TBG to catwalk. Rigged in mud can and mud canned out chamber joints. Recovered 17 joints of sand. Bailer seized open. Shut in well with blinds and secured. Cleaned floor and tongs as needed.
17:30	19:30	2.00 hr	RIH w/ 141 - 89mm J-55 TBG JTS, readied to scope in morning prior to running production. NOTE: Laid out 1 joint due to bad pin end. Shut in and secured well with pipe rams and locked. Night capped well and rig tank. SDFN.
<b>TOTAL12.00 hr</b>			

## Completions Daily Report • 2022-09-20

07:30	08:00	0.50 hr	Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to rig in inspection unit, pull and scope TBG, make up new BHA, run in hole with production tubing, land hanger, NDBOPS,
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			NUWH, ready floor to run corod. Reviewed CWC PJSM / JSAs for applicable tasks. Reviewed production BHA and make up procedures. Reviewed well control procedures, flush well as needed if venting. Keep catwalk and work area clean, free of trip hazards, number pipe in hole to stay organized.
08:00	08:30	0.50 hr	R&R well pressures, SITP - TSTM. Function tested BOPS & accumulator, working correctly. Rigged in Stintech inspection unit. Readied floor to trip out and scope TBG.
08:30	11:30	3.00 hr	POOH & inspected TBG string as follows: 141 - 89mm J-55 8rd EUE Evraz TBG JTS TBG inspected as follows: 133 - Yellowband <> 8 - Blueband <> 0 - Greenband <> 0 - Redband = 141 Total Rigged out and released Stintech. NOTE: Stopped flushed 4m3 down annulus and down TBG to keep clean.
11:30	14:30	3.00 hr	Tallied and RIH w/ production string as follows: KB-THF: 4.90m 1 - 177mm x 89mm TC style TBG hanger - 0.15m 138 - 89mm J-55 8rd EUE Evraz TBG JTS - 1320.79m (Note: BTM 3 joints are Q2 wear resistant L80 joints 1 - 89mm 6' Boronized pup joint - 1.88m 1 - Weatherford 59-1800 Stator w/ tag bar -HN315 10545226-198306 XL-300-30, Ran at 0.0% EFF, 300 RPM, Full Lift, 973.00 ft/lbs torque - 10.71m 1 - 177mm x 89mm 5 blade CTA NTT - 0.70m 1 - 89mm 6' handling pup - 1.89m 1 - 89mm x 73mm bottleneck XO - 0.14m 1 - Spirit Hybrid X 2 piece gas separator - 5.78m 1 - 73mm x 89mm Fishneck XO - 0.15m 5 - 89mm Blueband tail joints - 47.97m 1 - 89mm solid bull plug and collar - 0.25m Landed hanger with pup and TI valve in place. 138 joints to pump top - yellowband 143 full joints in well - blueband Pump top: 1327.72mKb <> 49 deg INC <> 1284m TVD Pump btn: 1338.41mKb <> 50 deg INC <> 1290m TVD Bull plug landed at: 1395.31mKb <> 64 deg INC <> 1321m TVD Liner top: 1570.22mKb <> 86 deg INC <> 1364m TVD Full tally in attachments.
14:30	16:30	2.00 hr	Rigged out work floor and TBG handling equipment. Stripped off Class 3 BOP stack and secured on transport spool. R&R well pressures, TSTM both sides. Picked up on hanger and installed 2 new rubbers. Landed hanger, did in lags. Removed landing joint and installed 3000# composite flow T and flowline as found. Secured flowline and installed TI valve in TBG head to secure.
16:30	17:30	1.00 hr	Cleaned flowline and around wellhead from bailing operations. Rigged out 1 pump lines. Rigged in work floor and readied to run rod in am. Night cap well and rig tank SDFN.
<b>TOTAL10.00 hr</b>			
<b>Completions Daily Report • 2022-09-21</b>			
07:30	08:00	0.50 hr	Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to rig in Amped gripper unit, run corod, rig out gripper, run regular rods, space out, install top drive and rig out SR. Reviewed Amped & CWC PJSM / JSAs for applicable tasks. Reviewed good communication rigging in and out gripper. Keep hands clear of gripper chains at all times. Reviewed procedure to run rotor direct to corod, torque to spec with torq card.
08:00	08:30	0.50 hr	R&R well pressures, TSTM both sides. Spotted amped gripper unit and readied equipment. Picked up rotor and greased. Flushed TBG with 8m3 produced water at 500l/min & 1MPa.
08:30	09:15	0.75 hr	Rigged in Amped rod BOP and function tested, working correctly. Picked up rotor and greased, hung in well with rotor clamp. Picked up gripper and made up arch. Ran corod thru guide and secured directly to rotor with New 1" HI-T coupling. Used torque card and torqued to spec. Readied floor to RIH w/ corod.
09:15	11:30	2.25 hr	RIH w/ Full rod string as follows: 1 - 31.75mm x 12.2m Polish rod - New 4 - 25.4mm x 31.75mm Plain Ponies - 1', 2', 8', 10' 1 - 25.4mm x 31.75mm Plain Rod 1297m - ProRod 28.6mm 780M Corod string, 1" pin ends - original, excellent condition 1 - Weatherford 59-1800 Rotor - New Ran corod and secured with clamp. Rigged down arch and gripper. Ran regular rods and ponies. Rigged out work floor and stripped off rod BOP. Spaced out pump 30" off tag bar over string weight as per Weatherford recommendation. Installed Weatherford top drive and secured 8 bolt clamp with 2" polish rod stick up. Installed lock down device. Released Amped corod gripper to base.
11:30	14:00	2.50 hr	Rigged out SR and support equipment. Wilf Brandt on site cleaned rig tank prior to moving down highway. Cleaned flowline and around wellhead. Picked up rig matting with loader and loaded onto trailer for transport. Pre-tripped equipment and readied to move. Handed well back to operations for start up. Job completed. 210.00m³ load fluid to recover.
<b>TOTAL6.50 hr</b>			



WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada
COMPLETIONS DETAIL				
COMPLETIONS TYPE	START DATE	FINISH DATE	OBJECTIVE	
Open Hole	2022-09-13	2022-09-21	Pump change	
NON-PRODUCTIVE TIME EVENTS				
No NPT events available				



WELL DATA										
NAME			LICENSE #	COST CENTRE	UWI	LOCATION				
Thorsby 100/16-11-051-02W5/00 (S14-03)			0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada				
COMPLETIONS DETAIL										
COMPLETIONS TYPE		START DATE	FINISH DATE	OBJECTIVE						
Open Hole		2022-09-13	2022-09-21	Pump change						
DAILY FLUID MOVEMENT										
Produced water										
DATE	COMPANY	TICKET	SOURCE/DEST	LEASE ( m³ )		WELL ( m³ )		REMAINING ( m³ )		
				TO	FROM	TO	FROM	TANK	WELL	
2022-09-13	Wilf Brandt	203194	5-27-49-1w5	10.00				10.00	0.00	
2022-09-13	NOTE Flush tubing						10.00		0.00	10.00
2022-09-13	Wilf Brandt	202335	5-27-49-1w5	28.00				28.00	10.00	
2022-09-13	NOTE Flush tubing						6.00		22.00	16.00
2022-09-13	NOTE flush casing						12.00		10.00	28.00
2022-09-14	Wilf Brandt	203315	5-27-49-1w5	20.00				30.00	28.00	
2022-09-14	NOTE Trickle down casing while baling						15.00		15.00	43.00
2022-09-14	NOTE Flush casing						8.00		7.00	51.00
2022-09-14	NOTE Blow drain						0.50		6.50	51.50
2022-09-14	NOTE Flush while tripping						5.50		1.00	57.00
2022-09-15	Wilf Brandt	203235	5-27-49-1w5	30.00				31.00	57.00	
2022-09-15	NOTE Flush tubing						4.00		27.00	61.00
2022-09-15	NOTE Flush annulus						2.00		25.00	63.00
2022-09-15	NOTE flush casing						8.00		17.00	71.00
2022-09-15	NOTE flush tubing						6.00		11.00	77.00
2022-09-15	NOTE trickle down annulus while bailing						11.00		0.00	88.00
2022-09-16	Wilf Brandt	202964	5-27-49-1w5	30.00				30.00	88.00	
2022-09-16	NOTE Flush annulus						8.00		22.00	96.00
2022-09-16	NOTE Blow drain, flush tubing						6.00		16.00	102.00
2022-09-16	NOTE flush tubing pulling bailer						3.00		13.00	105.00
2022-09-16	NOTE trickle down annulus bailing						6.00		7.00	111.00
2022-09-17	Wilf Brandt	202968	16-5-50-1w5	30.00				37.00	111.00	
2022-09-17	NOTE Flush down casing while pulling baler						7.00		30.00	118.00
2022-09-18	NOTE flush annulus mixed with MFR						20.00		10.00	138.00
2022-09-18	NOTE Trickle down annulus while bailing mixed with MFR						8.00		2.00	146.00
2022-09-18	Wilf Brandt	202969	16-5-50-1w5	28.00				30.00	146.00	
2022-09-18	NOTE Blow drain and flush tubing						6.00		24.00	152.00
2022-09-18	NOTE Pump down annulus while bailing / tripping to keep clean.						16.00		8.00	168.00
2022-09-19	Wilf Brandt	203113	5-27-49-1w5	26.00				34.00	168.00	
2022-09-19	NOTE blow drain, flush tubing						6.00		28.00	174.00
2022-09-19	NOTE trickle down annulus while bailing						20.00		8.00	194.00
2022-09-20	NOTE Flush tubing						4.00		4.00	198.00
2022-09-20	NOTE flush casing						4.00		0.00	202.00
2022-09-20	Wilf Brandt	202612	16-5-50-1w5 bty	12.00				12.00	202.00	
2022-09-21	NOTE Flush tubing						8.00		4.00	210.00
2022-09-21	Wilf Brandt	1111	Secure		4.00			0.00	210.00	



	TOTAL	214.00	4.00	210.00	0.00	0.00	210.00
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Remarks - Pump Change

WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
Thorsby 100/16-11-051-02W5/00 (S14-03)	0502001	WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada
COMPLETIONS DATA				
NAME	START DATE	END DATE	AFE #	AFE AMOUNT
Pump Change	2022-09-13	2022-09-21	22WO0037	\$0.00
Pump Change Remarks				