



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	2022-10-19	2022-10-22	
OBJECTIVE				
Repair parted rod / change pump if needed.				
JOB SUMMARY				
Rotor broken, ran new 59-1800 pump				

DRILLING DATA											
DRILLING GENERAL											
EVENT		DRILLING START		SPUD DATE		RELEASE DATE		AFE NUMBER		AFE \$	
Pump Change		2022-09-13 00:00		2022-01-19 16:00		2022-01-30 23:59		22WO0037		\$0.00	
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	
742.30 m		-0.29 m		742.01 m		5.50 m		747.51 m		0.00 m	

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	
PRODUCTION										LANDED AT 4,078.00 m	
#	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.11	2,559.78
1	P02	Pup Joint		114.3	0.0	20.09	6.65	2,553.13
2	P05	Casing Joint	New	114.3	99.6	20.09	25.73	2,527.40



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	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 (t)	TYPE	DESCRIPTION	VOLUME (m³)	YIELD (m³/t)	% EXCESS (%)	EST TOP (m)	RETURNS (m³)	DENSITY (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 2022-01-29		HOLE DEPTH 4,076.00 m	HOLE SIZE 159.00 mm	STICK UP -1,564.03 m		LANDED AT 4,078.00 m		FLOAT COLLAR 4,075.88 m

TIE BACK // RUN 2022-01-30									LANDED AT 1,566.55 m	
#	CODE	DESCRIPTION	COND	OD (mm)	DRIFT (mm)	WEIGHT (kg/m)	GRADE	LENGTH (m)	TOP (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	
3	T04	Pup Joint		114.3	96.4	20.09	P-110	8.00	14.56	



Pump Change Summary

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



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 22WO0041	AFE \$ \$0.00	ITEMIZED TOTAL \$86,328.36	COMPLETIONS TOTAL \$86,328.36	ESTIMATED TEMP -	ESTIMATED PRESS -
ELEVATIONS					ESTIMATED H2S -	ESTIMATED CO2 -
GROUND 742.01 m	KB > GROUND 5.50 m	KB 747.51 m	CF > GROUND 0.00 m	CF 742.01 m	<div>DAILY STATISTICS</div> <div>TOTAL RENTALS \$0.00</div> <div>RIG TIME 0.00 hr</div> <div>MAN HOURS 0.00 hr</div> <div>% COMPLETE 0.00%</div>	
TH > GROUND 0.60 m	KB > TH 4.90 m	DH > GROUND 0.00 m	KB > DH 5.50 m			
PERSONNEL						
TITLE	NAME	CONTACT				
Consultant	Dustin Kreiser	403-502-4023				
Operations Manager	Kevin Saizew	403-999-8087				
COMPLETIONS RIGS						
CONTRACTOR	#	START	RELEASE			
CWC	146	2022-10-19	2022-10-22			
FLUIDS						
FLUID	TANK	TO WELL	FROM WELL	IN WELL		
LOAD FLUID		0.00 m³		0.00 m³		
Produced Water	0.00 m³	29.00 m³	0.00 m³	29.00 m³		
TOTAL		29.00 m³	0.00 m³			
RECENT DAILY OPERATIONS - 2022-10-22						
<div>DAILY STATUS</div> <div>Ran production</div> <div>24 HOUR SUMMARY</div> <div>Ran new 59-1800 stator on 89mm TBG. Ran rotor and corod, spaced out and installed top drive. Rigged out SR and support equipment.</div> <div>NEXT 24 HOURS</div> <div>Turned site over to operations for start up.</div>						



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	22WO0041	\$0.00
COMPLETION TYPE	START DATE	END DATE	OBJECTIVE		
Open Hole	2022-10-19	2022-10-22	Repair parted rod / change pump if needed.		
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	
2022-10-19	\$4,455.68	\$4,455.68	\$4,455.68	Moved in CWC 146 Rigged up. Bled off TBG. Found little to no rod weight	
2022-10-20	\$38,454.58	\$38,454.58	\$42,910.26	Pulled polish rod and found stripped collar. Fished and pulled corod. Rotor broken. Approx. 3' of rotor recovered. Waited on slickline to perf hole in TBG. 2 attempts did not get successful punch. Secured well for night.	
2022-10-21	\$24,168.12	\$24,168.12	\$67,078.38	Ran TBG punch, punched hole in joint # 134. Rigged out and released slickline. Pulled TBG and inspected, laid out pump & joint #134 with hole. Made up new 59-1800 and BHA, ran in on 18 joints for night. Shut in and secured well.	
2022-10-22	\$19,249.98	\$19,249.98	\$86,328.36	Ran new 59-1800 stator on 89mm TBG. Ran rotor and corod, 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		22WO0041		\$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
2022-10-22	0%		0.00 hr		0.00 hr		0.00 hr
TOTAL TIME	NON-PRODUCTIVE		FLARE VOLUME		TOTAL DAILY FLARE		CASING PRESSURE
9.00 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
\$19,249.98	\$19,249.98		\$86,328.36		\$86,328.36		\$0.00
DAILY OPERATIONS					PERSONNEL		
DAILY STATUS Ran production 24 HOUR SUMMARY Ran new 59-1800 stator on 89mm TBG. Ran rotor and corod, spaced out and installed top drive. Rigged out SR and support equipment. NEXT 24 HOURS Turned site over to operations for start up.					CONSULTANT		
					Dustin Kreiser 403-502-4023		
					OPERATIONS MANAGER		
					Kevin Saizew 403-999-8087		
					COMPLETION RIGS		
					CONTRACTOR	#	START
					CWC	146	2022-10-19
					RELEASE		
					2022-10-22		
					WEATHER		
					GENERAL		
					Overcast		
					ROAD CONDITION		
					OK		
					TIME	TEMP	
					07:00	5°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 production, NDBOPs, NUWH, rig in gripper, run corod and rig out. Reviewed CWC PJSM / JSAs for applicable tasks. Good communication rigging gripper in and out. Stay clear of overhead loads on rig out. If unsure of task stop and ask.			
08:00	08:15	0.25 h		R&R well pressures, SICP: 0kPa. Function tested Ekills and crown saver, working correctly. Readied floor to trip in hole.			
08:15	10:15	2.0 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, yellowband) 1 - 89mm 6' Boronized pup joint - 1.88m 1 - Weatherford 59-1800 Stator w/ tag bar -HN315 10600978-413901 XL-300-30, Ran at 6.7% EFF, 300 RPM, Full Lift, 967.00 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 143 full joints in well 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.			
10:15	11:30	1.25 h		Rigged out workflow and tubing handling equipment. Stripped off Class 2 BOP stack and secured on transport spool. NUWH & Flowline as found. Secured well with TI in wellhead. Rigged in work floor and rod handling equipment. Readied floor to run corod.			
11:30	14:30	3.0 h		Spotted BFS gripper unit as per AER spacing regulations. Grounded to wellhead. Picked up and installed rod BOP, function tested working correctly. Picked up rotor and hung in well with rotor clamps. Picked up gripper, made up guide sections. Ran corod thru guide, secured direct to rotor with new 1" coupling. Ran corod in hole, rigged down gripper & arch. Ran regular rods and ponies, stripped off rod BOP, rigged out workflow. Spaced out pump 30" off tag bar over string weight as per Weatherford recommendation. Installed Weatherford top drive and secured with 8 bolt clamp and lock down. Left 4" Polish rod stick up.			



			Full rod string as follows:					
			1 - 31.75mm x 12.2m Polish rod - New					
			1 - 25.2mm x 3" spin thur coupling for 3.5" TBG					
			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, 3rd run in hole					
			1 - Weatherford 59-1800 Rotor - New					
			Released BFS back to base.					
14:30	16:30	2.0 h	Rigged out SR and support equipment. Wilf Brandt emptied rig tank and hauled fluid back to 16-5-50-1w5 battery. TKO on site, loaded out rig matting with loader. Rigged out catwalk. Cleaned up around location, insured no garbage left behind. Removed locks from VFD and turned well back to operations for start up.					
DAILY FLUIDS								
COMPANY	TICKET	SOURCE/DESTINATION	LEASE (m³)		WELL (m³)		REMAINING (m³)	
			TO	FROM	TO	FROM	TANK	WELL
Produced Water								
Wilf Brandt	204783	16-5-50-1w5		20.00			0.00	29.00
			TODAY	0.00	20.00	0.00	0.00	-20.00 m³
			RUNNING	49.00	20.00	29.00	0.00	29.00

WELL DATA								
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$	
0502001	100/16-11-051-02W5/00		Pump Change		22WO0041		\$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	
2022-10-21	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	
11.00 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		
\$24,168.12	\$24,168.12	\$67,078.38		\$67,078.38	\$0.00	\$0.00		
DAILY OPERATIONS					PERSONNEL			
DAILY STATUS Pulled production, started in hole with new pump. 24 HOUR SUMMARY Ran TBG punch, punched hole in joint # 134. Rigged out and released slickline. Pulled TBG and inspected, laid out pump & joint #134 with hole. Made up new 59-1800 and BHA, ran in on 18 joints for night. Shut in and secured well. NEXT 24 HOURS Run production & rig out.					CONSULTANT			
					Dustin Kreiser 403-502-4023			
					OPERATIONS MANAGER			
					Kevin Saizew 403-999-8087			
					COMPLETION RIGS			
					CONTRACTOR	#	START	RELEASE
					CWC	146	2022-10-19	2022-10-22
WEATHER								
GENERAL								
Overcast								
ROAD CONDITION								
OK								
TIME								
07:00								
TEMP								
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 rig in slickline, punch hole in TBG, flush and pull TBG, scope and lay out BHA. Mudcan as needed. Reviewed CWC & retro PJSM / JSAs for applicable tasks. Good communication rigging services in and out. Flush well as needed to keep clean.				
08:00	08:15	0.25 h		R&R well pressures, TSTM both sides (vac) Function tested BOPs and accumulator, working correctly. Spotted Retro Slickline unit as per AER spacing regulations, grounded to wellhead.				
08:15	14:00	5.75 h		Rigged in Retro slickline unit. Made up adapter on 89mm TI valve, made up tool string, picked up lubricator and hung with winch. SITP: 0kPa. Ran in hole with 3.00" mechanical TBG Punch & 3.00" collar stop in tandem. Set collar stop at 1277mCF. Sheared tool down and activated knife. Had to jar up for 4 hours to perf hole. Hole punched. Pulled and laid out mechanical knife too. Made up 3" SB pulling tool, ran in and retrieved collar stop from 1277mCF, surfaced without issues. Hung tools to side. Rigged in pump line to TBG, pumped 8m3 down TBG at 500l/min & 2MPa. Shut down pump, TBG on VAC. Rigged out and released Retro back to base.				
14:00	17:00	3.0 h		Rigged in Stimtech inspection unit. POOH & inspected TBG string as follows: KB-THF: 4.90m 1 - 177mm x 89mm TC style TBG hanger 138 - 89mm J-55 8rd EUE Evraz TBG JTS 1 - 89mm 6' Boronized pup joint 1 - Weatherford 59-1800 Stator 1 - 177mm x 89mm 5 blade CTA NTT 1 - 89mm 6' handling pup 1 - 89mm x 73mm bottleneck 1 - Spirit Hybrid X 2 piece gas separator 1 - 73mm x 89mm Fishneck XO 5 - 89mm Blueband tail joints 1 - 89mm solid bull plug and collar TBG inspected as follows: 132 Yellow <> 5 Blue = 138 Total. Bottom 3 wear joints were yellow. Hole in joint # 134 from TBG punch, laid out. Mud canned out last 4 joints. Laid out BHA and broke down. Mud can bottom 5 tail joints. All water ~ 3' of sand in bottom joint. Cleaned out bull plug and cleaned floor with vac. Inspected gas separator, clean can see thru, was not plugged, had water drain out when breaking the bottom connection. NOTE: Pumped 4m3 down casing to keep clean while tripping out of hole.				
17:00	18:30	1.5 h		Ran new BHA and torqued to spec as follows: 18 - 89mm J-55 8rd EUE Evraz TBG JTS - Yellow (btm 3 are Q2 wear joints) 1 - 89mm 6' Boronized pup joint - New 1 - Weatherford 59-1800 Stator - New 1 - 177mm x 89mm 5 blade CTA NTT - New 1 - 89mm 6' handling pup 1 - 89mm x 73mm bottleneck				



1 - Spirit Hybrid X 2 piece gas separator
1 - 73mm x 89mm Fishneck XO
5 - 89mm Blueband tail joints
1 - 89mm solid bull plug and collar

Landed TBG in slips. Shut in and secured well with pipe rams and locked.
Installed TI and capped.

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		204617	16-5-50-1w5	25.00				32.00	17.00
NOTE	Flush tubing after punch					8.00		24.00	25.00
NOTE	Pump down casing while tripping to keep clean					4.00		20.00	29.00
				TODAY	25.00	0.00	12.00	0.00	13.00 m³
				RUNNING	49.00	0.00	29.00	0.00	20.00
									29.00

WELL DATA									
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$		
0502001	100/16-11-051-02W5/00		Pump Change		22WO0041		\$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		
2022-10-20	0%		0.00 hr		0.00 hr		0.00 hr		
TOTAL TIME	NON-PRODUCTIVE		FLARE VOLUME		TOTAL DAILY FLARE		CASING PRESSURE		
11.00 hr	0.00 hr		0.00 e³m³		0.00 e³m³		2,000.00 kPa		
COSTS						DAILY RENTALS			
TOTAL DAILY	COMPL. TOTAL		TOTAL CUMULATIVE		COMPL. CUMULATIVE		TOTAL DAILY		
\$38,454.58	\$38,454.58		\$42,910.26		\$42,910.26		\$0.00		
DAILY OPERATIONS						PERSONNEL			
DAILY STATUS Fish rod / pulled corod, found broken rotor. 24 HOUR SUMMARY Pulled polish rod and found stripped collar. Fished and pulled corod. Rotor broken. Approx. 3' of rotor recovered. Waited on slickline to perf hole in TBG. 2 attempts did not get successful punch. Secured well for night. NEXT 24 HOURS Perf TBG above wear joints & pull production						CONSULTANT			
						Dustin Kreiser 403-502-4023			
						OPERATIONS MANAGER			
						Kevin Saizew 403-999-8087			
						COMPLETION RIGS			
						CONTRACTOR	#	START	RELEASE
						CWC	146	2022-10-19	2022-10-22
						WEATHER			
						GENERAL			
						Overcast, Rain			
						ROAD CONDITION			
						OK, muddy			
						TIME	TEMP		
						07:00	10°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 kill well, rig in corod gripper, pull corod, NDWH, NUBOPs & pressure test, pull and scope TBG, lay out BHA. Reviewed CWC & BFS PJSM / JSAs for applicable tasks. Reviewed well kill procedures and volumes, reviewed downhole well diagram.					
08:00	08:30	0.5 h		R&R well pressures. SITP: TSTM SICP: 2000kPa - 0H2S Function tested Ekills, crown saver and rig horn, working correctly. Rigged in pump lines to TBG and casing. Bled off to rig tank, well dead in less than 5 minutes. Picked up on Polish rod - 0 measurable rod weight.					
08:30	10:00	1.5 h		Polish rod tagged out on stuffing box. Spotted and rigged in BFS gripper unit. Stripped off top drive and secured on stand. Pulled polish rod, found box on end of polish rod is stripped. 1" pin end looking up on pony rod. Changed out box for new. Installed Rod BOP and function tested - working correctly. Ran polish rod back in and screwed onto fish top successfully. Picked up polish rod very little rotation, ~ half a turn. Rod pulled free at 8daN, no over pull to get moving, steady pull out of hole. Laid out polish rod and ponies, rigged into TBG to flush, closed bag with 1500psi. Pumped 2.50m3 down TBG and pressured up to 7MPa solid. Slow bleed down. Let bleed to 2MPa, pressured back up to 7MPa - solid. Bled down pressure to rig tank.					
10:00	12:00	2.0 h		Laid out polish rod, ponies and plain rod. Secured corod with 6' stick up. Picked up BFS gripper unit, made up arch. Secured corod in gripper. Pulled full rod string as follows: 1 - 31.75mm x 12.2m Polish rod 4 - 25.4mm x 31.75mm Plain Ponies 1 - 25.4mm x 31.75mm Plain Rod 1297m - ProRod 28.6mm 780M Corod string, 1" pin ends - original, excellent condition - 2nd pull. 1 - Weatherford 59-1800 Rotor - 3' recovered. Can see signs of burnt rubber on chunk of rotor recovered. Can see pup joint wear on top major. Rotor appears to be spaced out correctly. Pictures taken and sent to office.					
12:00	13:30	1.5 h		Rigged down and released BFS. Secured well with TI in wellhead. Stump tested class 2 BOP stack to 1.4MPa and 14MPa for 10 min each on blind rams and 89mm TI valve. Held 100%. Rigged out work floor and rod handling equipment. NDWH, installed pup with TI valve in hanger. Stripped on class 2 BOP stack and secured to 3000# TBG head. Pressure tested hanger, ring seal, 73mm pipe rams to 1.4MPa & 14MPa for 10 min each, held 100%. Function tested BOPs and accumulator system working correctly.					
13:30	15:30	2.0 h		Flushed 10m3 hot produced water down casing at 500l/min & 0.50MPa - SICP - VAC. Pulled hanger and removed. Secured well with TI valve.					
15:30	18:30	3.0 h		Waited on slickline to punch hole in TBG.					
				Retro slickline on location. Held PJSM. Reviewed job scope and wellbore diagram to rig up and punch hole in TBG.					
				Spotted slickline unit as per AER spacing regulations, grounded to wellhead. Installed adapter flange on TI valve. Made up 2.75" gauge ring, hung top sheave and lube with winch. SITP - 0kPa.					

Run in hole to pump top at 1328mKb, 49 deg INC - No issues or hang ups.
Surfaced tool and laid out.

Made up mechanical TBG punch for 3.50" TBG. Stabbed onto well.
Ran in to pump top and spang down on pump top at 1328mKb (1324m WL) - Took 45min to shear tool and activate.
Jarred up to punch hole.
Pulled tools and laid out. Tool is tripped properly, blade is worn.

Hung tools to side.
Rigged in pump lines to TBG. Filled TBG with 2.50m3 (same volume as earlier) pressured up to 10MPa, little to no bleed down.
Punch failed.

Made up 2nd punch and stabbed onto well.
Ran in to pump top at 1328mKb, 49 deg INC, took 30min to shear tool spanging down. Pulled up and jarred to punch hole.
Pulled out and inspected tool. Tripped properly and blade is worn as it should be.

Rigged into pump and filled TBG with 0.50m3 - pressure up to 10MPa. Solid pressure test. Little to no bleed down.
Operator does not have 3rd blade on truck.

Discussed with Retro office and since boronized pup is basically brand new suspect that is why punch is not going all the way thru.
Need to run collar stop above the boronized pup and 3 wear joints and punch there.

Lined up tools for morning.

Shut in and secured well with TI and pipe rams. Locked pipe rams.
Secured rig tank.

SDFN.

DAILY FLUIDS

COMPANY		TICKET	SOURCE/DESTINATION	LEASE (m³)		WELL (m³)		REMAINING (m³)		
				TO	FROM	TO	FROM	TANK	WELL	
Produced Water										
		204614	5-27-49-1w5	24.00				24.00	0.00	
NOTE	Flush tubing / pressured up					4.00		20.00	4.00	
NOTE	Flush casing					10.00		10.00	14.00	
NOTE	Flush TBG and pressured up after first attempt to perf TBG with slickline					2.50		7.50	16.50	
NOTE	Attempt to flush after 2nd perf - pressured up					0.50		7.00	17.00	
				TODAY	24.00	0.00	17.00	0.00	7.00 m³	17.00
				RUNNING	24.00	0.00	17.00	0.00	7.00	17.00

WELL DATA										
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$			
0502001	100/16-11-051-02W5/00		Pump Change		22WO0041		\$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		
2022-10-19	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		
4.00 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	
\$4,455.68		\$4,455.68		\$4,455.68		\$4,455.68		\$0.00	\$0.00	
DAILY OPERATIONS							PERSONNEL			
<div>DAILY STATUS Moved in and rigged up service rig.</div> <div>24 HOUR SUMMARY Moved in CWC 146 Rigged up. Bled off TBG. Found little to no rod weight</div> <div>NEXT 24 HOURS Fish / Pull rod string.</div>							CONSULTANT			
							Dustin Kreiser 403-502-4023			
							OPERATIONS MANAGER			
							Kevin Saizew 403-999-8087			
							COMPLETION RIGS			
							CONTRACTOR	#	START	RELEASE
							CWC	146	2022-10-19	2022-10-22
WEATHER										
GENERAL										
Sunny										
ROAD CONDITION										
OK										
TIME		TEMP								
15:00		20°C								
TIME LOG										
FROM	TO	DUR	NPT	CODE	DETAILS					
13:00	15:00	2.0 h			TKO on site, delivered Blackspur owned rig matting and wheel loader. Received handover from operations. Locked out power source. Generator shut down, flowline shut in. Took down tech fence. Spotted rig matting for SR operations.					
15:00	15:15	0.25 h			CWC on site. Held PJSM, reviewed job scope for day to rig up SR. Reviewed CWC PJSM / JSAs for applicable tasks. Reviewed proper spacing of equipment.					
15:15	17:00	1.75 h			Spotted CWC 146 single SR. Stood and centered over hole. Decked tank and laid lines. Grounded all equipment to wellhead. Function tested E-Kills and crown saver, working correctly. SITP: 500kPa. Bled off to rig tank, well dead in less than 1 minute. Removed Polish rod hold down. Took pull on rods - NO weight. Weight indicator did not move. High break. Landed polish rod and installed hold down to secure. Will have over shots / gripper for morning to pull rod string. Secured well for night. SDFN.					

ENERGY CORP.

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	2022-10-19	2022-10-22	22WO0041	\$0.00	
COST TOTALS					
COST ITEM	ESTIMATE	FIELD	EST v FIELD	ACTUAL	FIELD v ACTUAL
9322-439 - EQUIPMENT RENTALS (SURFACE) *INACTIVE	\$0.00	\$4,059.73	-\$4,059.73	\$0.00	\$4,059.73
9322-443 - FLUID HAULING (TANK TRUCKS) *INACTIVE	\$0.00	\$2,805.00	-\$2,805.00	\$0.00	\$2,805.00
9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) *INACTIVE	\$0.00	\$6,497.50	-\$6,497.50	\$0.00	\$6,497.50
9322-453 - LIQUIDS/SOLIDS DISPOSAL *INACTIVE	\$0.00	\$214.00	-\$214.00	\$0.00	\$214.00
9322-467 - SERVICE RIG *INACTIVE	\$0.00	\$37,108.06	-\$37,108.06	\$0.00	\$37,108.06
9322-479 - TESTING & SURVEYS / FRAC FLOWBACK / JET PUMP *INACTIVE	\$0.00	\$3,452.00	-\$3,452.00	\$0.00	\$3,452.00
9322-481 - VACUUM SERVICES *INACTIVE	\$0.00	\$3,561.00	-\$3,561.00	\$0.00	\$3,561.00
9322-483 - WELLSITE SUPERVISION / CONSULTANT *INACTIVE	\$0.00	\$6,400.00	-\$6,400.00	\$0.00	\$6,400.00
9322-485 - SLICKLINE SERVICES *INACTIVE	\$0.00	\$6,487.50	-\$6,487.50	\$0.00	\$6,487.50
9330-507 - BOTTOM HOLE PUMP - RECOVERABLE *INACTIVE	\$0.00	\$15,743.57	-\$15,743.57	\$0.00	\$15,743.57
TOTAL	\$0.00	\$86,328.36	-\$86,328.36	\$0.00	\$86,328.36

WELL DATA					ENERGY CHRG	
NAME	LICENSE #		COST CENTRE	UWI	LOCATION	
Thorsby 100/16-11-051-02W5/00 (\$14-03)	0502001		WL2450239	100/16-11-051-02W5/00	Thorsby / Thorsby AB, Canada	
COMPLETIONS DATA						
NAME	START DATE		END DATE	AFE #	AFE \$	
Pump Change	2022-10-19		2022-10-22	22WO0041	\$0.00	
DAILY BREAKDOWN						
CODE - COST ITEM	2022-10-19	2022-10-20	2022-10-21	2022-10-22	TOTAL	RUN. TOTAL
9322-439 - EQUIPMENT RENTALS (SURFACE) (inactive)	\$0.00	\$0.00	\$0.00	\$4,059.73	\$4,059.73	\$4,059.73
TKO Rentals Ltd (BS): rent on loader, combo, light tower, catwalk				\$4,059.73	\$4,059.73	
9322-443 - FLUID HAULING (TANK TRUCKS) (inactive)	\$0.00	\$595.00	\$1,530.00	\$680.00	\$2,805.00	\$2,805.00
Wilf Brandt Trucking (BS): tank truck delivered produced water		\$595.00			\$595.00	
Wilf Brandt Trucking (BS): tank truck deliver produced water			\$1,530.00		\$1,530.00	
Wilf Brandt Trucking (BS): haul fluid to battery				\$680.00	\$680.00	
9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) (inactive)	\$0.00	\$3,570.00	\$0.00	\$2,927.50	\$6,497.50	\$6,497.50
Rugged Oilfield Services (BS): deliver pump from Redcliff		\$3,570.00			\$3,570.00	
TKO Rentals Ltd (BS): deliver rig matting, deliver light and enviro trailer, deliver catwalk, deliver 1 joint TBG from battery				\$2,927.50	\$2,927.50	
9322-453 - LIQUIDS/SOLIDS DISPOSAL (inactive)	\$0.00	\$0.00	\$214.00	\$0.00	\$214.00	\$214.00
Secure Energy Services (BS): fluid from vac			\$214.00		\$214.00	
9322-467 - SERVICE RIG (inactive)	\$2,855.68	\$13,061.01	\$11,208.62	\$9,982.75	\$37,108.06	\$37,108.06
CWC Well Service (BS): SR day work	\$2,855.68	\$9,971.38	\$10,006.37	\$6,754.00	\$29,587.43	
Brooks Field Service (BS): gripper pull corod		\$3,089.63			\$3,089.63	
Brooks Field Service (BS): gripper travel home			\$1,202.25		\$1,202.25	
Brooks Field Service (BS): gripper run corod				\$3,228.75	\$3,228.75	
9322-479 - TESTING & SURVEYS / FRAC FLOWBACK / JET PUMP (inactive)	\$0.00	\$0.00	\$3,452.00	\$0.00	\$3,452.00	\$3,452.00
Stimtech (BS): inspect tubing - 2 days due to well issues			\$3,452.00		\$3,452.00	
9322-481 - VACUUM SERVICES (inactive)	\$0.00	\$705.00	\$2,856.00	\$0.00	\$3,561.00	\$3,561.00
Miktye Trucking Ltd (BS): vac for mud can		\$705.00			\$705.00	
Nelson Bros. Oilfield Services (BS): vac for mud can			\$2,856.00		\$2,856.00	
9322-483 - WELLSITE SUPERVISION / CONSULTANT (inactive)	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$6,400.00	\$6,400.00
1777792 AB Inc (BS): WSS	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$6,400.00	
9322-485 - SLICKLINE SERVICES (inactive)	\$0.00	\$3,180.00	\$3,307.50	\$0.00	\$6,487.50	\$6,487.50
Retro Oilfield Services LTD (BS): slickline attempt to punch hole		\$3,180.00			\$3,180.00	
Retro Oilfield Services LTD (BS): tubing punch			\$3,307.50		\$3,307.50	
9330-507 - BOTTOM HOLE PUMP - RECOVERABLE (inactive)	\$0.00	\$15,743.57	\$0.00	\$0.00	\$15,743.57	\$15,743.57
Weatherford: New 59-1800, NTT, pup joint, polish rod		\$15,743.57			\$15,743.57	
DAILY	\$4,455.68	\$38,454.58	\$24,168.12	\$19,249.98	\$86,328.36	
CUMULATIVE	\$4,455.68	\$42,910.26	\$67,078.38	\$86,328.36		\$86,328.36

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	2022-10-19	2022-10-22	22WO0041	\$0.00	
vendor// 1777792 AB INC (BS)				VENDOR TOTAL \$6,400.00	
cost code// 9322-483 - WELLSITE SUPERVISION / CONSULTANT (INACTIVE)				TOTAL \$6,400.00	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-19		WSS		DK-227	\$1,600.00
2022-10-20		WSS		DK-227	\$1,600.00
2022-10-21		WSS		DK-227	\$1,600.00
2022-10-22		WSS		DK-227	\$1,600.00
vendor// BROOKS FIELD SERVICE (BS)				VENDOR TOTAL \$7,520.63	
cost code// 9322-467 - SERVICE RIG (INACTIVE)				TOTAL \$7,520.63	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-20		gripper pull corod		11277	\$3,089.63
2022-10-21		gripper travel home		11278	\$1,202.25
2022-10-22		gripper run corod		TMI11279	\$3,228.75
vendor// CWC WELL SERVICE (BS)				VENDOR TOTAL \$29,587.43	
cost code// 9322-467 - SERVICE RIG (INACTIVE)				TOTAL \$29,587.43	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-19		SR day work		TR00256056	\$2,855.68
2022-10-20		SR day work		TR00256057	\$9,971.38
2022-10-21		SR day work		TR00256058	\$10,006.37
2022-10-22		SR day work		TR00256059	\$6,754.00
vendor// MIKTYE TRUCKING LTD (BS)				VENDOR TOTAL \$705.00	
cost code// 9322-481 - VACUUM SERVICES (INACTIVE)				TOTAL \$705.00	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-20		vac for mud can		103795	\$705.00
vendor// NELSON BROS. OILFIELD SERVICES (BS)				VENDOR TOTAL \$2,856.00	
cost code// 9322-481 - VACUUM SERVICES (INACTIVE)				TOTAL \$2,856.00	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-21		vac for mud can		381811	\$2,856.00
vendor// RETRO OILFIELD SERVICES LTD (BS)				VENDOR TOTAL \$6,487.50	
cost code// 9322-485 - SLICKLINE SERVICES (INACTIVE)				TOTAL \$6,487.50	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-20		slickline attempt to punch hole		12111	\$3,180.00
2022-10-21		tubing punch		12112	\$3,307.50
vendor// RUGGED OILFIELD SERVICES (BS)				VENDOR TOTAL \$3,570.00	
cost code// 9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) (INACTIVE)				TOTAL \$3,570.00	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-20		deliver pump from Redcliff		5342	\$3,570.00
vendor// SECURE ENERGY SERVICES (BS)				VENDOR TOTAL \$214.00	
cost code// 9322-453 - LIQUIDS/SOLIDS DISPOSAL (INACTIVE)				TOTAL \$214.00	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-21		fluid from vac		BCFST-002721-1	\$214.00
vendor// STIMTECH (BS)				VENDOR TOTAL \$3,452.00	
cost code// 9322-479 - TESTING & SURVEYS / FRAC FLOWBACK / JET PUMP (INACTIVE)				TOTAL \$3,452.00	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-21		inspect tubing - 2 days due to well issues		MR019	\$3,452.00
vendor// TKO RENTALS LTD (BS)				VENDOR TOTAL \$6,987.23	
cost code// 9322-439 - EQUIPMENT RENTALS (SURFACE) (INACTIVE)				TOTAL \$4,059.73	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-22		rent on loader, combo, light tower, catwalk		DV-2049-1	\$4,059.73
cost code// 9322-447 - EQUIPMENT HAULING (PICKER/BED TRUCK ETC) (INACTIVE)				TOTAL \$2,927.50	
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-22		deliver rig matting, deliver light and enviro trailer, deliver catwalk, deliver 1 joint TBG from battery		DV-2049-2	\$2,927.50
vendor// WEATHERFORD				VENDOR TOTAL \$15,743.57	



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



cost code// 9330-507 - BOTTOM HOLE PUMP - RECOVERABLE (INACTIVE)					TOTAL \$15,743.57
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-20		New 59-1800, NTT, pup joint, polish rod		F1221636SO149964 65	\$15,743.57

vendor// WILF BRANDT TRUCKING (BS)	VENDOR TOTAL \$2,805.00
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cost code// 9322-443 - FLUID HAULING (TANK TRUCKS) (INACTIVE)					TOTAL \$2,805.00
DAILY REPORT	VENDOR CODE	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-10-20		tank truck delivered produced water		204614	\$595.00
2022-10-21		tank truck deliver produced water		204617	\$1,530.00
2022-10-22		haul fluid to battery		204783	\$680.00

GRAND TOTAL	\$86,328.36
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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	2022-10-19	2022-10-22	22WO0041	\$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		2022-10-19		2022-10-22	22WO0041	\$0.00
TIME LOG						
FROM	TO	DUR	NPT	CODE	DETAIL	
Completions Daily Report • 2022-10-19						
13:00	15:00	2.00 hr			TKO on site, delivered Blackspur owned rig matting and wheel loader. Received handover from operations. Locked out power source. Generator shut down, flowline shut in. Took down tech fence. Spotted rig matting for SR operations.	
15:00	15:15	0.25 hr			CWC on site. Held PJSM, reviewed job scope for day to rig up SR. Reviewed CWC PJSM / JSAs for applicable tasks. Reviewed proper spacing of equipment.	
15:15	17:00	1.75 hr			Spotted CWC 146 single SR. Stood and centered over hole. Decked tank and laid lines. Grounded all equipment to wellhead. Function tested E-Kills and crown saver, working correctly. SITP: 500kPa. Bled off to rig tank, well dead in less than 1 minute. Removed Polish rod hold down. Took pull on rods - NO weight. Weight indicator did not move. High break. Landed polish rod and installed hold down to secure. Will have over shots / gripper for morning to pull rod string. Secured well for night. SDFN.	
TOTAL		4.00 hr				
Completions Daily Report • 2022-10-20						
07:30	08:00	0.50 hr			Held PJSM with crew, issued and reviewed Blackspur safe work permit. Reviewed job scope for day to kill well, rig in corod gripper, pull corod, NDWH, NUBOPs & pressure test, pull and scope TBG, lay out BHA. Reviewed CWC & BFS PJSM / JSAs for applicable tasks. Reviewed well kill procedures and volumes, reviewed downhole well diagram.	
08:00	08:30	0.50 hr			R&R well pressures. SITP: TSTM SICP: 2000kPa - OH2S Function tested Ekills, crown saver and rig horn, working correctly. Rigged in pump lines to TBG and casing. Bled off to rig tank, well dead in less than 5 minutes. Picked up on Polish rod - 0 measurable rod weight.	
08:30	10:00	1.50 hr			Polish rod tagged out on stuffing box. Spotted and rigged in BFS gripper unit. Stripped off top drive and secured on stand. Pulled polish rod, found box on end of polish rod is stripped. 1" pin end looking up on pony rod. Changed out box for new. Installed Rod BOP and function tested - working correctly. Ran polish rod back in and screwed onto fish top successfully. Picked up polish rod very little rotation, ~ half a turn. Rod pulled free at 8daN, no over pull to get moving, steady pull out of hole. Laid out polish rod and ponies, rigged into TBG to flush, closed bag with 1500psi. Pumped 2.50m3 down TBG and pressured up to 7MPa solid. Slow bleed down. Let bleed to 2MPa, pressured back up to 7MPa - solid. Bled down pressure to rig tank.	
10:00	12:00	2.00 hr			Laid out polish rod, ponies and plain rod. Secured corod with 6' stick up. Picked up BFS gripper unit, made up arch. Secured corod in gripper. Pulled full rod string as follows: 1 - 31.75mm x 12.2m Polish rod 4 - 25.4mm x 31.75mm Plain Ponies 1 - 25.4mm x 31.75mm Plain Rod 1297m - ProRod 28.6mm 780M Corod string, 1" pin ends - original, excellent condition - 2nd pull. 1 - Weatherford 59-1800 Rotor - 3' recovered. Can see signs of burnt rubber on chunk of rotor recovered. Can see pup joint wear on top major. Rotor appears to be spaced out correctly. Pictures taken and sent to office. Rigged down and released BFS. Secured well with TI in wellhead.	
12:00	13:30	1.50 hr			Stump tested class 2 BOP stack to 1.4MPa and 14MPa for 10 min each on blind rams and 89mm TI valve. Held 100%. Rigged out work floor and rod handling equipment. NDWH, installed pup with TI valve in hanger. Stripped on class 2 BOP stack and secured to 3000# TBG head. Pressure tested hanger, ring seal, 73mm pipe rams to 1.4MPa & 14MPa for 10 min each, held 100%. Function tested BOPs and accumulator system working correctly. Flushed 10m3 hot produced water down casing at 500l/min & 0.50MPa - SICP - VAC. Pulled hanger and removed. Secured well with TI valve.	
13:30	15:30	2.00 hr			Waited on slickline to punch hole in TBG.	
15:30	18:30	3.00 hr			Retro slickline on location. Held PJSM. Reviewed job scope and wellbore diagram to rig up and punch hole in TBG. Spotted slickline unit as per AER spacing regulations, grounded to wellhead. Installed adapter flange on TI valve. Made up 2.75" gauge ring, hung top sheave and lube with winch. SITP - 0kPa. Run in hole to pump top at 1328mKb, 49 deg INC - No issues or hang ups. Surfaced tool and laid out. Made up mechanical TBG punch for 3.50" TBG. Stabbed onto well. Ran in to pump top and spang down on pump top at 1328mKb (1324m WL) - Took 45min to shear tool and activate. Jarred up to punch hole. Pulled tools and laid out. Tool is tripped properly, blade is worn. Hung tools to side. Rigged in pump lines to TBG. Filled TBG with 2.50m3 (same volume as earlier) pressured up to 10MPa, little to no bleed down. Punch failed. Made up 2nd punch and stabbed onto well. Ran in to pump top at 1328mKb, 49 deg INC, took 30min to shear tool spanging down. Pulled up and jarred to punch hole. Pulled out and inspected tool. Tripped properly and blade is worn as it should be. Rigged into pump and filled TBG with 0.50m3 - pressure up to 10MPa. Solid pressure test. Little to no bleed down. Operator does not have 3rd blade on truck. Discussed with Retro office and since boronized pup is basically brand new suspect that is why punch is not going all the way thru. Need to run collar stop above the boronized pup and 3 wear joints and punch there. Lined up tools for morning. Shut in and secured well with TI and pipe rams. Locked pipe rams. Secured rig tank. SDFN.	
TOTAL		11.00 hr				
Completions Daily Report • 2022-10-21						
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 slickline, punch hole in TBG, flush and pull TBG, scope and lay out BHA. Mudcan as needed. Reviewed CWC & retro PJSM / JSAs for applicable tasks. Good communication rigging services in and out. Flush well as needed to keep clean.	
08:00	08:15	0.25 hr			R&R well pressures, TSTM both sides (vac) Function tested BOPs and accumulator, working correctly. Spotted Retro Slickline unit as per AER spacing regulations, grounded to wellhead.	
08:15	14:00	5.75 hr			Rigged in Retro slickline unit. Made up adapter on 89mm TI valve, made up tool string, picked up lubricator and hung with winch. SITP: 0kPa. Ran in hole with 3.00" mechanical TBG Punch & 3.00" collar stop in tandem. Set collar stop at 1277mCF. Sheared tool down and activated knife. Had to jar up for 4 hours to perf hole. Hole punched. Pulled and laid out mechanical knife too. Made up 3" SB pulling tool, ran in and retrieved collar stop from 1277mCF, surfaced without issues. Hung tools to side. Rigged in pump line to TBG, pumped 8m3 down TBG at 500l/min & 2MPa. Shut down pump, TBG on VAC. Rigged out and released Retro back to base.	
14:00	17:00	3.00 hr			Rigged in Stimtech inspection unit. POOH & inspected TBG string as follows: KB-THF: 4.90m 1 - 177mm x 89mm TC style TBG hanger 138 - 89mm J-55 8rd EUE Evraz TBG JTS 1 - 89mm 6' Boronized pup joint 1 - Weatherford 59-1800 Stator 1 - 177mm x 89mm 5 blade CTA NTT 1 - 89mm 6' handling pup 1 - 89mm x 73mm bottleneck 1 - Spirit Hybrid X 2 piece gas separator 1 - 73mm x 89mm Fishneck XO 5 - 89mm Blueband tail joints 1 - 89mm solid bull plug and collar TBG inspected as follows: 132 Yellow <=> 5 Blue = 138 Total. Bottom 3 wear joints were yellow. Hole in joint # 134 from TBG punch, laid out. Mud canned out last 4 joints. Laid out BHA and broke down. Mud can bottom 5 tail joints. All water ~ 3' of sand in bottom joint. Cleaned out bull plug and cleaned floor with vac. Inspected gas separator, clean can see thru, was not plugged, had water drain out when breaking the bottom connection. NOTE: Pumped 4m3 down casing to keep clean while tripping out of hole.	

17:00 18:30 1.50 hr

Ran new BHA and torqued to spec as follows: 18 - 89mm J-55 8rd EUE Evraz TBG JTS - Yellow (btm 3 are Q2 wear joints) 1 - 89mm 6' Boronized pup joint - New 1 - Weatherford 59-1800 Stator - New 1 - 177mm x 89mm 5 blade CTA NTT - New 1 - 89mm 6' handling pup 1 - 89mm x 73mm bottleneck 1 - Spirit Hybrid X 2 piece gas separator 1 - 73mm x 89mm Fishneck XO 5 - 89mm Blueband tail joints 1 - 89mm solid bull plug and collar Landed TBG in slips. Shut in and secured well with pipe rams and locked. Installed TI and capped. Night capped well and rig tank. SDFN.

TOTAL11.00 hr

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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 production, NDBOPs, NUWH, rig in gripper, run corod and rig out. Reviewed CWC PJSM / JSAs for applicable tasks. Good communication rigging gripper in and out. Stay clear of overhead loads on rig out. If unsure of task stop and ask.

08:00 08:15 0.25 hr

R&R well pressures, SICP: 0kPa. Function tested Ekills and crown saver, working correctly. Readied floor to trip in hole.

08:15 10:15 2.00 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, yellowband) 1 - 89mm 6' Boronized pup joint - 1.88m 1 - Weatherford 59-1800 Stator w/ tag bar -HN315 10600978-413901 XL-300-30, Ran at 6.7% EFF, 300 RPM, Full Lift, 967.00 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 143 full joints in well 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.

10:15 11:30 1.25 hr

Rigged out workflow and tubing handling equipment. Stripped off Class 2 BOP stack and secured on transport spool. NUWH & Flowline as found. Secured well with TI in wellhead. Rigged in work floor and rod handling equipment. Readied floor to run corod.

11:30 14:30 3.00 hr

Spotted BFS gripper unit as per AER spacing regulations. Grounded to wellhead. Picked up and installed rod BOP, function tested working correctly. Picked up rotor and hung in well with rotor clamps. Picked up gripper, made up guide sections. Ran corod thru guide, secured direct to rotor with new 1" coupling. Ran corod in hole, rigged down gripper & arch. Ran regular rods and ponies, stripped off rod BOP, rigged out workflow. Spaced out pump 30" off tag bar over string weight as per Weatherford recommendation. Installed Weatherford top drive and secured with 8 bolt clamp and lock down. Left 4" Polish rod stick up. Full rod string as follows: 1 - 31.75mm x 12.2m Polish rod - New 1 - 25.2mm x 3" spin thur coupling for 3.5" TBG 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, 3rd run in hole 1 - Weatherford 59-1800 Rotor - New Released BFS back to base.

14:30 16:30 2.00 hr

Rigged out SR and support equipment. Wilf Brandt emptied rig tank and hauled fluid back to 16-5-50-1w5 battery. TKO on site, loaded out rig matting with loader. Rigged out catwalk. Cleaned up around location, insured no garbage left behind. Removed locks from VFD and turned well back to operations for start up.

TOTAL9.00 hr



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	2022-10-19	2022-10-22	Repair parted rod / change pump if needed.	
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		2022-10-19	2022-10-22	Repair parted rod / change pump if needed.					
DAILY FLUID MOVEMENT									
Produced Water									
DATE	COMPANY	TICKET	SOURCE/DEST	LEASE (m³)		WELL (m³)		REMAINING (m³)	
				TO	FROM	TO	FROM	TANK	WELL
2022-10-20	Wilf Brandt	204614	5-27-49-1w5	24.00				24.00	0.00
2022-10-20	NOTE Flush tubing / pressured up						4.00	20.00	4.00
2022-10-20	NOTE Flush casing						10.00	10.00	14.00
2022-10-20	NOTE Flush TBG and pressured up after first attempt to perf TBG with slickline						2.50	7.50	16.50
2022-10-20	NOTE Attempt to flush after 2nd perf - pressured up						0.50	7.00	17.00
2022-10-21	Wilf Brandt	204617	16-5-50-1w5	25.00				32.00	17.00
2022-10-21	NOTE Flush tubing after punch						8.00	24.00	25.00
2022-10-21	NOTE Pump down casing while tripping to keep clean						4.00	20.00	29.00
2022-10-22	Wilf Brandt	204783	16-5-50-1w5	20.00				0.00	29.00
TOTAL				49.00	20.00	29.00	0.00	0.00	29.00



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	2022-10-19	2022-10-22	22WO0041	\$0.00
Pump Change Remarks				