

WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
BLACKSPUR HZ LEDUC-WB 16-11-51-2	0502001	TBD	100/16-11-051-02W5/00	LEDUC-WB AB, Canada
COMPLETIONS DETAIL				
NAME	COMPLETIONS TYPE	START DATE	FINISH DATE	
Initial Completions	Open Hole	2022-06-10		
OBJECTIVE				
Initial completion, HZ annular fracture				

DRILLING DATA					
DRILLING GENERAL					
EVENT	DRILLING START	SPUD DATE	RELEASE DATE	AFE NUMBER	AFE \$
Initial Drill	2022-01-17 07:00	2022-01-19 16:00	2022-01-30 23:59	21DR0012	\$1,657,265.00

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
16-11-051-02W5		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)
1	S02	Float Shoe	New		244.5	0.0	0.00		0.49
1	S03	Casing Joint	New		244.5	226.6	53.67	J55	11.33
1	S01	Float Collar	New		244.5	0.0	0.00		0.37
23	S03	Casing Joint	New		244.5	226.6	53.67	J55	259.69
									-0.88

CEMENT									
AMOUNT	TYPE	VOLUME	YIELD	% EXCESS	EST TOP	RETURNS	DENSITY		
(t)		(m³)	(m³/t)	(%)	(m)	(m)	(m³)	(kg/m³)	
15.00	TSC 1700-S Bulk Cement	14.09	0.9390	80.00	0.00	0.00	4.50	1,700	
<b>ADDITIVES</b>									
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)
1	I01	Float Shoe	New		0.0	0.0	0.00		0.50
1	I03	Casing Joint	New		177.8	161.7	34.23	P-110	13.84
1	I02	Float Collar	New		0.0	0.0	0.00		0.41
130	I03	Casing Joint	New		177.8	161.7	34.23	P-110	1,601.03
									-0.78

CEMENT									
AMOUNT	TYPE	VOLUME	YIELD	% EXCESS	EST TOP	RETURNS	DENSITY		
(t)		(m³)	(m³/t)	(%)	(m)	(m)	(m³)	(kg/m³)	
1.42	Scavenger	3.00	2.1200	0.00	0.00	0.00	3.00	1,300	
<b>ADDITIVES</b>									
2% OGC-60 + 4% AFA-7									
14.57	Titanium 1400-S	23.20	1.5920	90.00	0.00	0.00	9.00	1,400	
<b>ADDITIVES</b>									
2% OGC-60 + 4% AFA-7									
16.00	T.A.C.-S	17.04	1.0650	90.00	990.00	0.00	0.00	1,600	
<b>ADDITIVES</b>									
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				
2022-01-24	1,615.00 m	222.00 mm	0.78 m	1,615.00 m	1,600.66 m				

PRODUCTION									
									LANDED AT 4,078.00 m
#	CODE	DESCRIPTION	COND	OD	DRIFT	WEIGHT	GRADE	LENGTH	TOP
					(mm)	(mm)	(kg/m)		(m)
1	P01	Guide Shoe - Re entry guide			0.0	0.0	0.00		0.27
1	P02	Pup Joint			114.3	0.0	20.09		1.85
1	P03	Float Collar			114.3	0.0	0.00		0.30
1	P02	Pup Joint			114.3	0.0	20.09		1.86
1	P12	Secondary Float Collar			114.3	0.0	0.00		0.30
									4,073.42



Initial Completions Summary  
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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



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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
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



Initial Completions Summary  
BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001

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	VOLUME	YIELD	% EXCESS	EST TOP	RETURNS	DENSITY
	(t)		(m³)	(m³/t)	(%)	(m)	(m³)
1.88	Scavenger		3.00	1.5950	0.00	0.00	3.00
ADDITIVES							
0.2% AFA-7 + 0.4% TWR-4 + 0.5% Gel + 0.2% TDH-2 + 0.2% CFR-12							
38.12	T.A.C-S	40.60	1.0650	60.00	0.00	9.00	1,600
ADDITIVES							
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	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
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
		-	

INITIAL COMPLETIONS DETAILS

COSTS					BOTTOM HOLE	
FORECAST	AFE NUMBER	AFE \$	ITEMIZED TOTAL	COMPLETIONS TOTAL	ESTIMATED TEMP	ESTIMATED PRESS
	22CP0009	\$0.00	\$45,028.99	\$45,028.99	-	-
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	DAILY STATISTICS	
TH > GROUND	KB > TH	DH > GROUND	KB > DH		TOTAL RENTALS	RIG TIME
-	5.50 m	-	5.50 m		\$0.00	0.00 hr
PERSONNEL					MAN HOURS	% COMPLETE
TITLE	NAME	CONTACT			0.00 hr	0.00%
Consultant	Dustin Kreiser	403-502-4023				
Drilling and Completions Manager	Nick Stanford	403-804-0296				
COMPLETIONS RIGS						
CONTRACTOR	#	START	RELEASE			
No rig records defined						
FLUIDS						
FLUID	TANK	TO WELL	FROM WELL	IN WELL		
LOAD FLUID		0.00 m³		0.00 m³		
3%KCL	0.00 m³	6.00 m³	-	6.00 m³		
Fluid Energy Enviro-Syn HCR 7000 Frac Acid	36.00 m³	-	-	0.00 m³		
TOTAL		6.00 m³	0.00 m³			

RECENT DAILY OPERATIONS - 2022-06-13

DAILY STATUS

Frac prep

24 HOUR SUMMARY

CalFrac hauling sand.  
PVS delivered synthetic acid for frac.  
Spotted P tank  
NewWave working on water line  
Demon spotted super water heater



NEXT 24 HOURS

Frac prep



BLACKSPUR HZ LEDUC-WB 16-11-51-2 - Initial Completions Emergency Contacts  
BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001

NAME	LICENSE #	UWI	LOCATION
BLACKSPUR HZ LEDUC-WB 16-11-51-2	0502001	100/16-11-051-02W5/00	LEDUC-WB AB, Canada

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



BLACKSPUR HZ LEDUC-WB 16-11-51-2 - Initial Completions Daily Reports  
BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001

WELL DATA					
NAME	LICENSE #	LOCATION	EVENT	AFE NUMBER	AFE AMOUNT
BLACKSPUR HZ LEDUC-WB 16-11-51-2	0502001	100/16-11-051-02W5/00	Initial Completions	22CP0009	\$0.00
COMPLETION TYPE	START DATE	END DATE	OBJECTIVE		
Open Hole	2022-06-10		Initial completion, HZ annular fracture		
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	
2022-06-10	\$14,806.46	\$14,806.46	\$14,806.46	Moved in Voltage and performed CNL log Moved in Quicksilver, set collar stop and recorders Installed GNE frac head Pressure tested frac head and wellbore, performed DFIT	
2022-06-11	\$9,805.00	\$9,805.00	\$24,611.46	Moved in and spotted calfrac hogs (10) and 2 belts. Spotted 18 pieces of matting for sand equipment. Started hauling sand. NuWave moved in, offloaded hoses reels, began water line set up. Moved in 2 - buffer tanks & spotted on rig matting	
2022-06-12	\$12,207.40	\$12,207.40	\$36,818.86	NewWave continued to rig in Water line to river. CalFrac hauling sand.	
2022-06-13	\$8,210.13	\$8,210.13	\$45,028.99	CalFrac hauling sand. PVS delivered synthetic acid for frac. Spotted P tank NewWave working on water line Demon spotted super water heater	

WELL DATA								
LICENSE #	UWI		EVENT		AFE NUMBER		AFE \$	
0502001	100/16-11-051-02W5/00		Initial Completions		22CP0009		\$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	-	5.50 m	-	5.50 m	
REPORT DETAILS								
REPORT DATE	PERCENT COMPLETE	RIG TIME	TOTAL RIG TIME		MAN HOURS		TOTAL MAN HOURS	
2022-06-13	-	-	0.00 hr		-		0.00 hr	
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME	TOTAL DAILY FLARE		CASING PRESSURE		TUBING PRESSURE	
0.00 hr	0.00 hr	-	0.00 e³m³		-		-	
COSTS					DAILY RENTALS			
TOTAL DAILY	COMPL. TOTAL	TOTAL CUMULATIVE		COMPL. CUMULATIVE	TOTAL DAILY	COMPL. TOTAL		
\$8,210.13	\$8,210.13	\$45,028.99		\$45,028.99	\$0.00	\$0.00		
DAILY OPERATIONS					PERSONNEL			
<b>DAILY STATUS</b> Frac prep  <b>24 HOUR SUMMARY</b> CalFrac hauling sand. PVS delivered synthetic acid for frac. Spotted P tank NewWave working on water line Demon spotted super water heater  <b>NEXT 24 HOURS</b> Frac prep					CONSULTANT <b>Dustin Kreiser</b> 403-502-4023 DRILLING AND COMPLETIONS MANAGER <b>Nick Stanford</b> 403-804-0296			
					WEATHER			
					GENERAL			
					Clear			
					ROAD CONDITION			
					OK			
					TIME		TEMP	
					07:00		12°C	
DAILY FLUIDS								
COMPANY	TICKET	SOURCE/DESTINATION	LEASE		WELL		REMAINING	
			TO	FROM	TO	FROM	TANK	WELL
"3%KCL								
Eldorado	172126	Eldorado yard	6.00 m³				6.00 m³	0.00 m³
NOTE	pressure test and DFIT							0.00 m³
			TODAY	6.00 m³	0.00 m³	6.00 m³	0.00 m³	6.00 m³
			RUNNING	6.00 m³	0.00 m³	6.00 m³	0.00 m³	6.00 m³
"Fluid Energy Enviro-Syn HCR 7000 Frac Acid								
Hauling Acid	3290	Fluid Energy	30.00 m³				30.00 m³	0.00 m³
Hauling Acid	3595	Fluid Energy	6.00 m³				36.00 m³	0.00 m³
			TODAY	36.00 m³	0.00 m³	0.00 m³	36.00 m³	0.00 m³
			RUNNING	36.00 m³	0.00 m³	0.00 m³	36.00 m³	0.00 m³





Daily Initial Completions Report - 2022-06-12 - Day #3  
BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001

WELL DATA							
LICENSE #	UWI	EVENT			AFE NUMBER		AFE \$
0502001	100/16-11-051-02W5/00	Initial Completions			22CP0009		\$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	-	5.50 m	-	5.50 m
REPORT DETAILS							
REPORT DATE	PERCENT COMPLETE	RIG TIME	TOTAL RIG TIME		MAN HOURS		TOTAL MAN HOURS
2022-06-12	-	-	0.00 hr		-		0.00 hr
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME	TOTAL DAILY FLARE		CASING PRESSURE		TUBING PRESSURE
0.00 hr	0.00 hr	-	0.00 e³m³		-		-
COSTS					DAILY RENTALS		
TOTAL DAILY	COMPL. TOTAL	TOTAL CUMULATIVE		COMPL. CUMULATIVE	TOTAL DAILY		COMPL. TOTAL
\$12,207.40	\$12,207.40	\$36,818.86		\$36,818.86	\$0.00		\$0.00
DAILY OPERATIONS					PERSONNEL		
<b>DAILY STATUS</b> Hauling sand, rig in water line  <b>24 HOUR SUMMARY</b> NewWave continued to rig in Water line to river. CalFrac hauling sand.  <b>NEXT 24 HOURS</b> Rig in water line, haul sand.					CONSULTANT		
					Dustin Kreiser 403-502-4023		
					DRILLING AND COMPLETIONS MANAGER		
					Nick Stanford 403-804-0296		
					WEATHER		
					GENERAL		
					Overcast		
					ROAD CONDITION		
					OK		
					TIME	TEMP	
07:00	15°C						



**Daily Initial Completions Report - 2022-06-11 - Day #2**  
**BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001**

WELL DATA							
LICENSE #	UWI	EVENT		AFE NUMBER		AFE \$	
0502001	100/16-11-051-02W5/00	Initial Completions		22CP0009		\$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	-	5.50 m	-	5.50 m
REPORT DETAILS							
REPORT DATE	PERCENT COMPLETE	RIG TIME	TOTAL RIG TIME		MAN HOURS	TOTAL MAN HOURS	
2022-06-11	-	-	0.00 hr		-	0.00 hr	
TOTAL TIME	NON-PRODUCTIVE	FLARE VOLUME	TOTAL DAILY FLARE		CASING PRESSURE	TUBING PRESSURE	
0.00 hr	0.00 hr	-	0.00 e³m³		-	-	
COSTS					DAILY RENTALS		
TOTAL DAILY	COMPL. TOTAL	TOTAL CUMULATIVE		COMPL. CUMULATIVE	TOTAL DAILY	COMPL. TOTAL	
\$9,805.00	\$9,805.00	\$24,611.46		\$24,611.46	\$0.00	\$0.00	
DAILY OPERATIONS					PERSONNEL		
<b>DAILY STATUS</b> Moved in CalFrac sand equipment  <b>24 HOUR SUMMARY</b> Moved in and spotted calfrac hogs (10) and 2 belts. Spotted 18 pieces of matting for sand equipment. Started hauling sand. NuWave moved in, offloaded hoses reels, began water line set up. Moved in 2 - buffer tanks & spotted on rig matting  <b>NEXT 24 HOURS</b> Rig in water lines, haul sand					CONSULTANT Dustin Kreiser 403-502-4023 DRILLING AND COMPLETIONS MANAGER Nick Stanford 403-804-0296		
					WEATHER		
					GENERAL		
					Overcast		
					ROAD CONDITION		
					OK		
					TIME		
					07:00		
					TEMP		
					20°C		



(c) Petrosight, Inc. 2011-2022

Kicked in pump to open toe port, opened at 42.432MPa  
Pressure truck went to 300l/min & pumped 5.00m3 3%KCL at ~ 6.20MPa. Hard shut down and isolated frac head from pressure truck.  
ISIP 5.1MPa

Rigged out and released Eldorado & GNE  
Off set well monitor online to view pressures.

SDFN

NOTE: Pressure data in attachments.



Total Cost Overview Report  
BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001

WELL DATA					
NAME	LICENSE #	COST CENTRE	UWI	LOCATION	
BLACKSPUR HZ LEDUC-WB 16-11-51-2	0502001	TBD	100/16-11-051-02W5/00	LEDUC-WB AB, Canada	
COMPLETIONS DATA					
NAME	START DATE	END DATE	AFE #	AFE \$	
Initial Completions	2022-06-10		22CP0009	\$0.00	
COST TOTALS					
COST ITEM	ESTIMATE	FIELD	EST v FIELD	ACTUAL	FIELD v ACTUAL
9322-401 - ACCESS ROADS AND LEASE	\$0.00	\$400.00	-\$400.00	\$0.00	\$400.00
9322-443 - FLUID HAULING (TANK TRUCKS)	\$0.00	\$6,610.13	-\$6,610.13	\$0.00	\$6,610.13
9322-444 - FLUID TRANSFER (ON-SITE)	\$0.00	\$16,130.00	-\$16,130.00	\$0.00	\$16,130.00
9322-455 - LOGGING & ELINE SERVICES	\$0.00	\$4,153.10	-\$4,153.10	\$0.00	\$4,153.10
9322-460 - PRESSURE TRUCK	\$0.00	\$7,200.00	-\$7,200.00	\$0.00	\$7,200.00
9322-481 - VACUUM SERVICES	\$0.00	\$2,682.40	-\$2,682.40	\$0.00	\$2,682.40
9322-483 - WELLSITE SUPERVISION / CONSULTANT	\$0.00	\$4,800.00	-\$4,800.00	\$0.00	\$4,800.00
9322-485 - SLICKLINE SERVICES	\$0.00	\$3,053.36	-\$3,053.36	\$0.00	\$3,053.36
TOTAL	\$0.00	\$45,028.99	-\$45,028.99	\$0.00	\$45,028.99

**Initial Completions Daily Costs Breakdown - Week 1**  
**BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001**

WELL DATA						
NAME	LICENSE #	COST CENTRE	UWI	LOCATION		
BLACKSPUR HZ LEDUC-WB 16-11-51-2	0502001	TBD	100/16-11-051-02W5/00	LEDUC-WB AB, Canada		
COMPLETIONS DATA						
NAME	START DATE	END DATE	AFE #	AFE \$		
Initial Completions	2022-06-10		22CP0009	\$0.00		
DAILY BREAKDOWN						
CODE - COST ITEM	2022-06-10	2022-06-11	2022-06-12	2022-06-13	TOTAL	RUN. TOTAL
9322-401 - ACCESS ROADS AND LEASE	\$400.00	\$0.00	\$0.00	\$0.00	\$400.00	\$400.00
Shawns Oilfield Service: deliver winch cat	\$400.00				\$400.00	
9322-443 - FLUID HAULING (TANK TRUCKS)	\$0.00	\$0.00	\$0.00	\$6,610.13	\$6,610.13	\$6,610.13
Haulin Acid: deliver acid				\$6,610.13	\$6,610.13	
9322-444 - FLUID TRANSFER (ON-SITE)	\$0.00	\$8,205.00	\$7,925.00	\$0.00	\$16,130.00	\$16,130.00
NewWave Energy Services Group: move in and start setting up water transfer		\$8,205.00			\$8,205.00	
NewWave Energy Services Group: rigging in water pipeline and pumps, laying hose			\$7,925.00		\$7,925.00	
9322-455 - LOGGING & ELINE SERVICES	\$4,153.10	\$0.00	\$0.00	\$0.00	\$4,153.10	\$4,153.10
Voltage Wireline Inc: CNL log	\$4,153.10				\$4,153.10	
9322-460 - PRESSURE TRUCK	\$7,200.00	\$0.00	\$0.00	\$0.00	\$7,200.00	\$7,200.00
Eldorado Pressure Services: 10k pressure truck and tank truck with 3%KCL	\$7,200.00				\$7,200.00	
9322-481 - VACUUM SERVICES	\$0.00	\$0.00	\$2,682.40	\$0.00	\$2,682.40	\$2,682.40
Nelson Bros. Oilfield Services: hydrovac clean culverts for water line crossings			\$2,682.40		\$2,682.40	
9322-483 - WELLSITE SUPERVISION / CONSULTANT	\$0.00	\$1,600.00	\$1,600.00	\$1,600.00	\$4,800.00	\$4,800.00
1777792 AB Inc: WSS		\$1,600.00	\$1,600.00	\$1,600.00	\$4,800.00	
9322-485 - SLICKLINE SERVICES	\$3,053.36	\$0.00	\$0.00	\$0.00	\$3,053.36	\$3,053.36
Quick Silver Wireline Services Ltd: collar stop and recorders	\$3,053.36				\$3,053.36	
DAILY	\$14,806.46	\$9,805.00	\$12,207.40	\$8,210.13	\$45,028.99	
CUMULATIVE	\$14,806.46	\$24,611.46	\$36,818.86	\$45,028.99		\$45,028.99



BLACKSPUR HZ LEDUC-WB 16-11-51-2 - Initial Completions Cost Summary  
BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001

WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
BLACKSPUR HZ LEDUC-WB 16-11-51-2	0502001	TBD	100/16-11-051-02W5/00	LEDUC-WB AB, Canada
COMPLETIONS DATA				
NAME	START DATE	END DATE	AFE #	AFE \$
Initial Completions	2022-06-10		22CP0009	\$0.00
Vendor// 177792 AB INC				VENDOR TOTAL \$4,800.00
cost code// 9322-483 - WELLSITE SUPERVISION / CONSULTANT				TOTAL \$4,800.00
DAILY REPORT	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-06-11	WSS		DK-218	\$1,600.00
2022-06-12	WSS		DK-218	\$1,600.00
2022-06-13	WSS		DK-218	\$1,600.00
Vendor// ELDORADO PRESSURE SERVICES				VENDOR TOTAL \$7,200.00
cost code// 9322-460 - PRESSURE TRUCK				TOTAL \$7,200.00
DAILY REPORT	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-06-10	10k pressure truck and tank truck with 3%KCL		172126	\$7,200.00
Vendor// HAULIN ACID				VENDOR TOTAL \$6,610.13
cost code// 9322-443 - FLUID HAULING (TANK TRUCKS)				TOTAL \$6,610.13
DAILY REPORT	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-06-13	deliver acid		3595	\$2,031.00
2022-06-13	deliver acid		3290	\$4,579.13
Vendor// NELSON BROS. OILFIELD SERVICES				VENDOR TOTAL \$2,682.40
cost code// 9322-481 - VACUUM SERVICES				TOTAL \$2,682.40
DAILY REPORT	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-06-12	hydrovac clean culverts for water line crossings		357921	\$2,682.40
Vendor// NEWWAVE ENERGY SERVICES GROUP				VENDOR TOTAL \$16,130.00
cost code// 9322-444 - FLUID TRANSFER (ON-SITE)				TOTAL \$16,130.00
DAILY REPORT	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-06-11	move in and start setting up water transfer		WTCJ-272-01	\$8,205.00
2022-06-12	rigging in water pipeline and pumps, laying hose		WTCJ-272-02	\$7,925.00
Vendor// QUICK SILVER WIRELINE SERVICES LTD				VENDOR TOTAL \$3,053.36
cost code// 9322-485 - SLICKLINE SERVICES				TOTAL \$3,053.36
DAILY REPORT	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-06-10	collar stop and recorders		43899	\$3,053.36
Vendor// SHAWNS OILFIELD SERVICE				VENDOR TOTAL \$400.00
cost code// 9322-401 - ACCESS ROADS AND LEASE				TOTAL \$400.00
DAILY REPORT	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-06-10	deliver winch cat		5448	\$400.00
Vendor// VOLTAGE WIRELINE INC				VENDOR TOTAL \$4,153.10
cost code// 9322-455 - LOGGING & ELINE SERVICES				TOTAL \$4,153.10
DAILY REPORT	DESCRIPTION	PURCHASE ORDER	TICKET	AMOUNT
2022-06-10	CNL log		65831	\$4,153.10
GRAND TOTAL				\$45,028.99

WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
<b>BLACKSPUR HZ LEDUC-WB 16-11-51-2</b>	<b>0502001</b>	<b>TBD</b>	<b>100/16-11-051-02W5/00</b>	<b>LEDUC-WB AB, Canada</b>
NAME	START DATE	END DATE	AFE #	AFE AMOUNT
<b>Completions</b>	<b>2022-06-10</b>		<b>22CP0009</b>	<b>\$0.00</b>
FUEL INVENTORY				



WELL DATA					
NAME		LICENSE #	COST CENTRE	UWI	LOCATION
BLACKSPUR HZ LEDUC-WB 16-11-51-2		0502001	TBD	100/16-11-051-02W5/00	LEDUC-WB AB, Canada
COMPLETIONS DATA					
NAME		START DATE	END DATE	AFE #	AFE AMOUNT
Initial Completions		2022-06-10		22CP0009	\$0.00
TIME LOG					
FROM	TO	DUR	NPT	CODE	DETAIL
Completions Daily Report • 2022-06-10					
11:00	12:00	1.00 hr			Moved in Voltage Eline mast unit. Held PJSM, issued and reviewed Blackspur safe work permit, reviewed job scope to rig up and perform CNL log. R&R well pressures 0kPa SICP. Rigged up Voltage Eline unit. Performed Gamma Ray Dual spaced Neutron log from 340.0mKb to surface. Fluid level at 10m Surfac casing shoe landed at 271.00mKb Surfaced tools, shut in well, rigged out and released Voltage.
12:00	15:30	3.50 hr			Quicksilver slickline on location. Issued and reviewed Blackspur safe work permit. Reviewed job scope for day to rig in slickline and picker, run collar stop and recorders for DFIT. Recorders set for 1 sec for 24 hours, 10 seconds remaining. Spotted and rigged in slickline and picker unit. Made up 4.5" collar stop on 3" SB tool. Stabbed onto well. Ran in and set 4.5" collar stop at 1312.50mKB <> 48 deg INC <> 1275m TVD Pulled out of hole. Made up tandem 10k recorders set for 1 second readings for first 24 hours, then 10 second readings for remainder of test. Ran in to well and set on collar stop with 3" J unlatching tool. Gauges on bottom at 14:51 HRS Batteries on at 14:35 HRS Surfaced tools and shut in well. Rigged out slickline unit and picker.
15:30	19:30	4.00 hr			GNE & Eldorado on site for DFIT. Issued and reviewed Blackspur safe work permit, reviewed job scope for day to rig in frac head, pressure test to 65MPa, pressure test wellbore, open toe port and perform DFIT. Reviewed GNE & Eldorado PJSM / JSAs for applicable tasks. GNE installed frac head c/w frac bonnett on extended neck TBG hanger, 2 - BX-155 10k master valve, 1 - coil frac tree c/w 2 - 3" 1502 side outlets and 1 - 10k adjustable choke. Pressure tested seals on hanger to 3000psi - held solid. Pressure tested ring seal and hanger to 3000psi - held solid. Installed 4" BPV in TBG hanger. Rigged in Eldorado pressure truck c/w 25m3 3%KCL on tank truck. Tied into 3" side outlet with 1502 iron. Quicksilver installed real time 15k pressure monitor and data recorder on 2nd side outlet. Confirmed working on line for viewing. Eldorado tied into annulus on TBG head with 5k hose. Tested tie back and seal latch to 7MPa for 10 minutes and charted - held 100%. Shut in and left pressure on annulus for frac. Rigged out hose and capped up annulus. Filled frac head with 3%KCL, purged air. Shut in top needle valve and capped. Cleared area for pressure testing. Tested frac head to 7MPa, 35MPa, 65MPa - held solid each test and charted flat line. Bled down to 0MPa. GNE removed BPV valve and secured frac head. Eldorado pressured up wellbore to 7MPa, took less than 100 liters to fill. Pressure test at 7MPa held solid. Pressured up wellbore to 21MPa - held solid Pressured up to 35MPa - held solid. Kicked in pump to open toe port, opened at 42.432MPa Pressure truck went to 300l/min & pumped 5.00m3 3%KCL at ~ 6.20MPa. Hard shut down and isolated frac head from pressure truck. ISIP 5.1MPa Rigged out and released Eldorado & GNE Off set well monitor online to view pressures. SDFN NOTE: Pressure data in attachments.
TOTAL		8.50 hr			
Completions Daily Report • 2022-06-11					
TOTAL		0.00 hr			
Completions Daily Report • 2022-06-12					
TOTAL		0.00 hr			
Completions Daily Report • 2022-06-13					
TOTAL		0.00 hr			



**BLACKSPUR HZ LEDUC-WB 16-11-51-2 - Initial Completions - Non-Productive Time**  
**BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001**

WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
BLACKSPUR HZ LEDUC-WB 16-11-51-2	0502001	TBD	100/16-11-051-02W5/00	LEDUC-WB AB, Canada
COMPLETIONS DETAIL				
COMPLETIONS TYPE	START DATE	FINISH DATE	OBJECTIVE	
Open Hole	2022-06-10		Initial completion, HZ annular fracture	
NON-PRODUCTIVE TIME EVENTS				
No NPT events available				

WELL DATA									
NAME			LICENSE #	COST CENTRE	UWI	LOCATION			
BLACKSPUR HZ LEDUC-WB 16-11-51-2			0502001	TBD	100/16-11-051-02W5/00		LEDUC-WB AB, Canada		
COMPLETIONS DETAIL									
COMPLETIONS TYPE		START DATE	FINISH DATE	OBJECTIVE					
Open Hole		2022-06-10		Initial completion, HZ annular fracture					
DAILY FLUID MOVEMENT									
3%KCL									
NOTE Eldorado yard									
DATE	COMPANY	TICKET	SOURCE/DEST	LEASE		WELL		REMAINING	
				TO	FROM	TO	FROM	TANK	WELL
2022-06-13	Eldorado	172126	Eldorado yard	6.00 m³				6.00 m³	0.00 m³
2022-06-13	NOTE pressure test and DFIT					6.00 m³		0.00 m³	6.00 m³
TOTAL				6.00 m³	0.00 m³	6.00 m³	0.00 m³	0.00 m³	6.00 m³
Fluid Energy Enviro-Syn HCR 7000 Frac Acid									
NOTE Fluid Energy									
DATE	COMPANY	TICKET	SOURCE/DEST	LEASE		WELL		REMAINING	
				TO	FROM	TO	FROM	TANK	WELL
2022-06-13	Hauling Acid	3290	Fluid Energy	30.00 m³				30.00 m³	0.00 m³
2022-06-13	Hauling Acid	3595	Fluid Energy	6.00 m³				36.00 m³	0.00 m³
TOTAL				36.00 m³	0.00 m³	0.00 m³	0.00 m³	36.00 m³	0.00 m³

WELL DATA				
NAME	LICENSE #	COST CENTRE	UWI	LOCATION
<b>BLACKSPUR HZ LEDUC-WB 16-11-51-2</b>	<b>0502001</b>	<b>TBD</b>	<b>100/16-11-051-02W5/00</b>	<b>LEDUC-WB AB, Canada</b>
COMPLETIONS DATA				
NAME	START DATE	END DATE	AFE #	AFE AMOUNT
<b>Initial Completions</b>	<b>2022-06-10</b>		<b>22CP0009</b>	<b>\$0.00</b>
Initial Completions Remarks				