

LOCATION DATA							
NAME		LICENSE #	UWI	EVENT	AFE #	AFE \$	
BLACKSPUR HZ LEDUC-WB 16-11-51-2		0502001	100/16-11-051-02W5/00	Initial Drill	21DR0012	\$1,657,265.00	
DRILLING DATA							
EVENT	STAGE	MOVE DATE	SPUD DATE	RELEASE DATE	RIG		
Initial Drill	DRILLING	2022-01-17	2022-01-19		Horizon #43		
SURVEYED	CUT / FILL	KB > GROUND	CF > GROUND	GROUND	KB ELEVATION	CF ELEVATION	
742.30 m	-0.29 m	5.50 m	0.00 m	742.01 m	747.51 m	742.01 m	
DAILY REPORT DETAILS							
REPORT DATE	DEPTH	DRILLING TIME	PROGRESS	AVG ROP	MAN HOURS	CUM. HOURS	NON-PRODUCTIVE
2022-01-19	271.00 m	2.75 hr	251.00 m	59.06 m/hr	132.00 hr	265.00 hr	0.00 hr
MUD		RENTALS		COSTS			
MUD	CUM. MUD	RENTALS	CUM. RENTALS	DRILLING DAILY	DRILLING TOTAL	EVENT DAILY	EVENT TOTAL
\$954.50	\$954.50	\$8,172.00	\$13,569.00	\$67,748.50	\$262,956.67	\$67,748.50	\$346,316.67
DAILY OPERATIONS							
MORNING OPERATIONS							
No safety concerns or environmental issues to report. Continue to back ream out of hole, Lay down DCs & Directional Assembly. Rig in powertongs & run 24Jts, 244.5mm, 53.7Kg/m, J55 Casing. On bottom @ 06:15							
DAILY OPERATIONAL SUMMARY							
Continue to rig up to spud. Rig in mud tanks, pumps, pick up & rig in top drive, weld on conductor barrel, de-ice equipment, rig up bails and elevators, tongs, flare and degasser lines to manifold shack, set up pipe arms, load on BHA/ strap, rig in mud tanks/ fill mud tanks. Hold pre-spud safety meeting w/ all personal on location. Spud @ 16:00, drill 311mm surface hole f/ 20mKB - 271mKB, (Trace amount of coal @ 60m)(TD @ 21:45), condition mud & circulate hole clean, back ream out of hole. AER notification ID 1040129. Discussed with CVE Calgary Drilling Superintendent Derek Rae upcoming days operations rigging up & drilling 311mm surface hole, tripping & handling BHA. The rig is running well with no safety or environmental issues to report.							
DAILY FORECAST							
Condition mud & circ hole clean, cement w/ Trican,(15tonne)(80%xs) WOC, Cut conductor & Csg, weld on bowl, nipple up & pressure test well control equipment, clean tanks, make up directional assembly w/ 2.12deg FXD 7/8Lobe, 5 Stage motor, RIH, slip & cut drillline, drill out float & shoe, drill ahead 222mm vertical/build section. Planned KOP @ 1013mKB, Planned Heel @ 1575mKB, Planned TD 4204mKB.							
TIMELOG					WEATHER		
FROM	TO	DUR	NPT CODE	DETAILS	TIME	TEMP	CONDITIONS
00:00	05:00	5.0 h	1B	Rig up top drive	06:00	-29 °C	CLEAR
05:00	06:30	1.5 h	25	p/u and weld on conductor	WIND STRENGTH		ROAD CONDITION
06:30	06:45	0.25 h	21	crew hand oover	CALM		VERY POOR
06:45	08:00	1.25 h	1	continue rig up,	PERSONNEL		
08:00	12:45	4.75 h	1	Continue to rig up/ de-ice equipment, rig up bails and elevators, tongs, flare and degasser lines to manifold shack, set up pipe arms, load on bha/ strap, rig in mud tanks/ fill mud tanks	DRILLING ENGINEER - On Site Derek Rae 403-701-0899		
12:45	13:00	0.25 h	21F	safety meeting held with directional, RM and company rep	DRILLING CONSULTANT - On Site Mike Bowen 403-348-9127		
13:00	14:30	1.5 h	20D	make up directional tools	DRILLING CONSULTANT - On Site Darren Burton 780-518-7767		
14:30	14:45	0.25 h	21	Safety meeting/ crew hand over with RM and company rep	DRILLING MANAGER - On Site Nick Stanford 403-804-0296		
14:45	15:45	1.0 h	1	Rig up mud tanks, pre-mix gel chem,	MUD ADDITIVES		
15:45	16:00	0.25 h	21	Pre-spud Safety meeting held with RM and company rep	PRODUCT	AMOUNT	UNIT
16:00	17:15	1.25 h	2	Spud 311mm surface hole From 20m to 113m	SAWDUST	75	sacks
17:15	18:30	1.25 h	20A	Directional surveys , connections , worked pipe	BENTONITE	40	sacks
18:30	18:45	0.25 h	21	crew hand over	TKPP	1	sacks
18:45	20:15	1.5 h	2	Drill 311mm surface hole fr/ 113m- 271m	MUD RECORD		
20:15	21:45	1.5 h	20A	Directional surveys, connections, work pipe	TIME	DEPTH	DENSITY
21:45	22:45	1.0 h	5D	Circulate and Condition	22:30	0.00 m	1,090.00 kg/m³
22:45	00:00	1.25 h	3B	Backream up to tools	VISCOSITY	WATER LOSS	FLUID pH
					82.00 s/l	0.00 ml/30	0
					PVT	SOLIDS	OIL
					0	-	-
					LOCATION		
BOTTOM HOLE ASSEMBLY (LAST)					FUEL USE		
#	DESCRIPTION	OD	ID	LENGTH	FUEL	USAGE	
1	BIT	311.0 mm	0.0 mm	0.3 m	Marked Diesel	3,240.0 L	
1	MUD MOTOR	205.0 mm	0.0 mm	8.55 m	PUMPS		
1	X/O BELL SUB	199.0 mm	77.0 mm	0.81 m	Pump #1	Work Force	Pump #2
1	PONY SLICK COLLAR	160.0 mm	71.0 mm	4.09 m	Model	1300	Model
1	FLEX NMDC	160.0 mm	72.0 mm	9.18 m	Duplex	TRIPLEX	Duplex
1	GAP SUB	163.0 mm	74.0 mm	1.66 m	SPM	84	SPM
1	FLEX NMDC	160.0 mm	72.0 mm	9.35 m	Pressure	13,500 kpa	Pressure
2	DC (6.25 IN)	165.0 mm	57.2 mm	18.38 m	Hours Run	8.0 hr	Hours Run
1	JARS-HYD/MECH	165.0 mm	57.2 mm	4.8 m	Liner Size	152.0 mm	Liner Size
4	DC (6.25 IN)	165.0 mm	57.2 mm	37.06 m	HOLE CONDITION		
1	X/O	165.0 mm	58.0 mm	0.77 m	DRAG UP	DRAG DN	TORQUE
18	HWDP (4.5 DS40)	114.2 mm	68.2 mm	170.6 m	2.0 kdaN	2.0 kdaN	6,500.0 Nm
					FILL	DEPTH	
					0.0 m		-
BIT RECORDS							
#	SIZE	MANUFACTURER	TYPE	IN	OUT	HRS	
	(mm)			(m)	(m)		
1	311.0	DRILFORMANCE	DF519XM	0.0	0.0	0.00 hr	
1	311.0	DRILFORMANCE	DF519XM	0.0	271.0	2.75 hr	
TOTAL						2.75 hr	
DRILLING PARAMETERS							
From Time	To Time	From Depth	To Depth	Activity	Rotary RPM	Weight on Bit	
16:00	17:15	20.0 m	113.0 m	DRILL	45	7.0 kdaN	
18:45	21:45	113.0 m	271.0 m	DRILL	45	8.0 kdaN	
DEVIATION SURVEYS							
WELLBORE	MD	TVD	DEVIATION	DIRECTION	METHOD		
Original Hole	0.00 m	0.00 m	0.00°	0.00°			



Drilling Daily Report - 2022-01-19 - Day 3
BLACKSPUR HZ LEDUC-WB 16-11-51-2 • 100/16-11-051-02W5/00 • #0502001

Original Hole	5.50 m	5.50 m	0.00°	0.00°
Original Hole	36.32 m	36.32 m	0.40°	72.60°
Original Hole	58.62 m	58.62 m	1.00°	42.50°
Original Hole	77.95 m	77.94 m	1.20°	52.00°
Original Hole	96.80 m	96.79 m	1.50°	47.50°
Original Hole	115.68 m	115.66 m	1.80°	48.90°
Original Hole	134.56 m	134.54 m	1.00°	58.10°
Original Hole	153.68 m	153.65 m	0.90°	34.70°
Original Hole	172.60 m	172.57 m	0.90°	67.80°
Original Hole	191.58 m	191.55 m	0.40°	333.70°
Original Hole	210.62 m	210.59 m	0.80°	294.80°
Original Hole	229.59 m	229.56 m	1.30°	304.28°
Original Hole	248.50 m	248.46 m	1.20°	301.50°

DAILY COSTS		
VENDOR	#	TOTAL
BLACK DIAMOND	1	\$595.00
BULLDOG	1	\$130.00
CODECO-VANOCO	1	\$3,000.00
GFL	1	\$45.00
HORIZON DRILLING	4	\$21,410.00
LIQUIDS TRANSLOADING LTD.	3	\$3,400.00
MOOSE DOKTOR	1	\$70.00
PASON	1	\$1,800.00
PETRO CANADA	1	\$19,477.00
PHOENIX DIRECTIONAL SERVICES	1	\$13,510.00
PRECISION RENTALS	1	\$1,130.00
TANGO DELTA	1	\$252.00
TROJAN SAFETY	1	\$660.00
UNIQ ENERGY SOLUTIONS	1	\$954.50
WTS	1	\$1,315.00
TOTAL	20	\$67,748.50