

NOTES

Company: Blueridge Petroleum Corporation

Lease: Brown 2-12

Location: SE-NW-NE-NW (630' FNL & 1858' FWL)

Sec: <u>12</u> Twsp: <u>3S</u> Rge: <u>29W</u>

Field: Pollnow Southeast

County: <u>Decatur</u> State: <u>Kansas</u>

KB: <u>2555</u>' GL: <u>2547'</u>

API #: <u>15-039-21235-00-00</u>

Contractor: <u>Discovery Drilling, Inc. (Rig #3)</u>
Spud: <u>10/10/2016</u> Comp: <u>10/17/2016</u>
RTD: 3810' LTD: 3812'

Mud Up: 3200' Type Mud: Chemical

Surface Casing: <u>8 5/8" @ 216'</u> Production Casing: <u>5 1/2" @ 3808'</u>

Samples Saved From: <u>3300' to RTD</u>
Drilling Time Kept From: <u>3300' to RTD</u>
Samples Examined From: <u>3300' to RTD</u>
Geological Supervision from: <u>3300' to RTD</u>

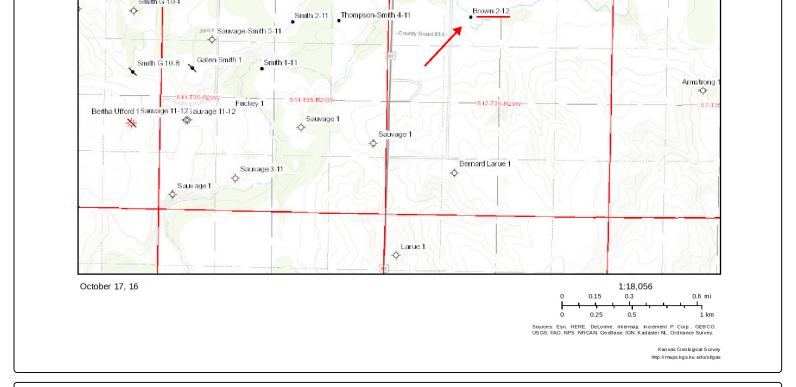
Geologist on Well: Wyatt Urban (3300'-3575') & Jim Musgrove (3575'-3810')

Electronic Surveys: Logged by ELI: DIL, MEL, CDL/CNL

Area Map

Blueridge Petroleum - Brown #2-12

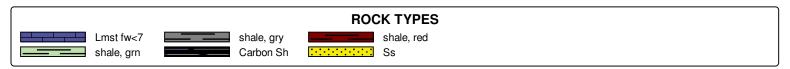




Well Comparison

BLUERIDE PETROLEUM CORP WELL COMPARISON SHEET

	DRILLING WELL				COMPARISON WELL				COMPARISON WELL			
	Blueridge- Brown 2-12				Blueridge-Tally 1-12				Blueridge-Thompson-Smith 4-11			
	SE-NW-NE-NW 12-3S-29W				NW-NE-NW-NW				NW-SW-NE-NE			
					12-3S-29W				12-3S-29W			
	oil	oil				_	Struct	ural	oil Structural			tural
	2555 KB				2567 KB		Relationship		2572 KB		Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	2253	302	2285	270								
B. Anhydrite	2291	264	2291	264								
Heebner	3523	-968	3524	-969	3538	-971	3	2	3545	-973	5	4
Toronto	3556	-1001	3555	-1000	3569	-1002	1	2	3580	-1008	7	8
Lansing	3564	-1009	3564	-1009	3579	-1012	3	3	3586	-1014	5	5
Stark	3718	-1163	3719	-1164	3734	-1167	4	3	3739	-1167	4	3
Base Kansas City	3762	-1207	3764	-1209	3774	-1207	0	-2	3786	-1214	7	5
RTD	3810	-1255	3810	-1255								
LTD	3812	-1257	3812	-1257	3830	-1263	6	6	3850	-1278	21	21



ACCESSORIES

MINERAL FOSSIL TEXTURE △ Chert White C Chalky Oomoldic

> **DST** ■ DST Int

> DST alt Core

tail pipe

OTHER SYMBOLS

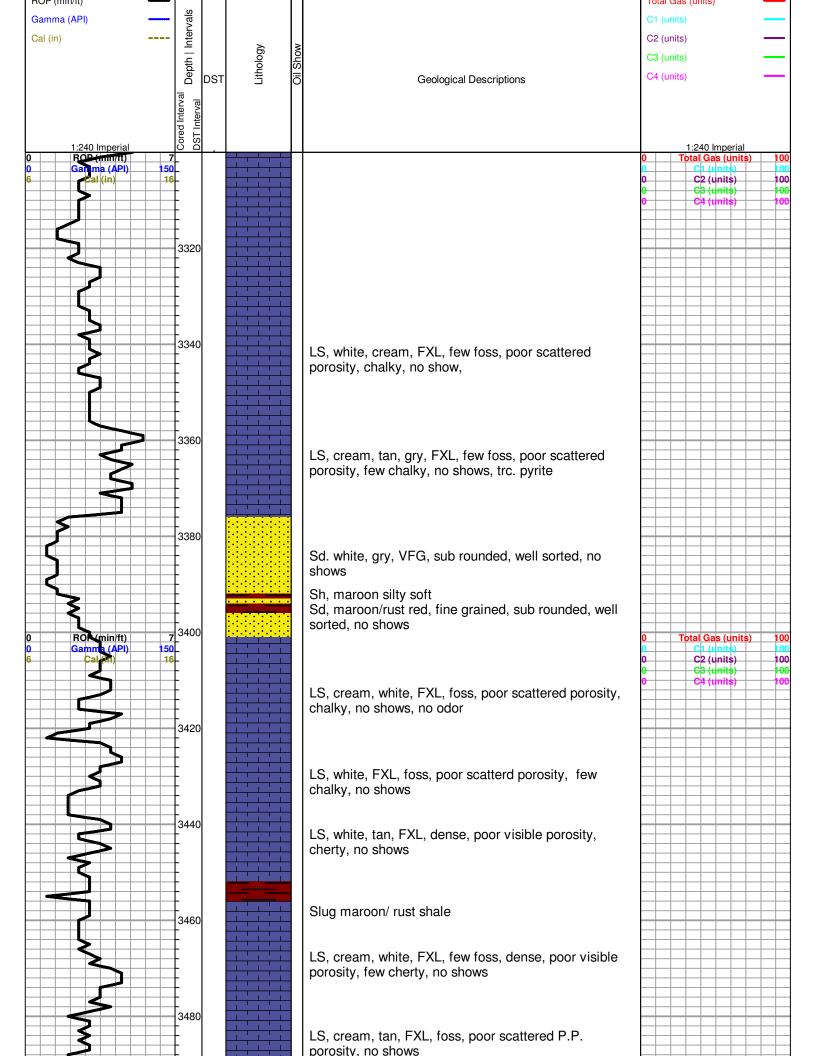
Oil Show

- Good Show Fair Show
- O Poor Show
- O Spotted or Trace
- O Questionable Stn
- D Dead Oil Stn
- Fluorescence
- * Gas

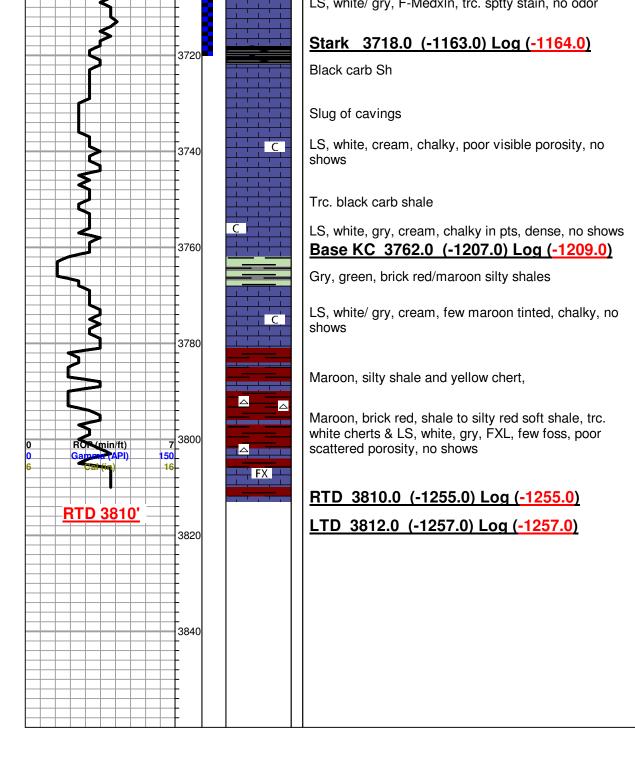
Printed by GEOstrip VC Striplog version 4.0.8.7 (www.grsi.ca)

Curve Track #1 TG, C1 - C5

FX Finexln



Slug of maroon/ rusty shale 3500 LS, cream, tan, FXL, few foss, poor scattered porosity, cherty in pts, no shows 3520 Heebner 3523.0 (-968.0) Log (-969.0) <u>DST # 1 3531-3575</u> Black carb Shale 30-30-45-45 D LS, cream, white, FXL, poor visible porosity, chalky in 1st Open: BOB 9.5 S pts, Trc. Sptty SFO (very dark tar viscous in 40 min mins sample) no odor 3540 Sh, gry, greenish, few maroon 2nd Open: BOB 12 mins Toronto 3556.0 (-1001.0) Log (-1000.0) LS, white, cream, FXL, few foss, poor scattered P.P. Recovery: porosity, no shows, no odor 3560 715' Muddy Water Lansing 3564.0 (-1009.0) Log (-1009.0) W/ Show of oil ф ló. LS, white, oom, fair scatered oom vuggy porosity, Ó chalky, NSFO (Barren) few Orange ool. chert, few φ þ LS, white, cream, FXL, ool, poor -fair scattered oom 3580 vuggy porosity, Lt. sptty SFO, trc. black stain, odor??? Wyatt Urban 3300-3575 LS, white, gry, F-MedXLN, good INXLN / vuggy porosity, few chalky, (100% stain/saturation in few Jim Musgrove pieces). 3575-RTD fair/good stain & saturation, good SFO, fair odor - 3600 LS, white, gry, foss/ ool, scattered porosity, brown DST #2 3585-3600 black stain, SFO, faint odor 30-30-45-60 1st open: Black carb Shale BOB 2.5 mins 3620 LS, white, gry, cream, chalky, few foss C 2nd Open: Maroon, green shale Built to 2" 3640 Recovery: FX LS, white, gry, FXL, foss, in pts, Trc. brown stain, Trc. SFO (cavings???) 1147' GIP LS, white, cream, slightly foss, chalky, dense, poor 341' Clean Gassy D visible porosity, 3660 Oil S (30%G, 70% O) A/A, slightly chalky, (dense) 62' MWCGO LS, tan, brown, white, chalky, few scattered P.P. (30%G, 55%O, porosity, trc. lt. brown stain, trc. SFO, no odor 10%W) 3680 Trc. gry, greenish shale, slug maroon/brick red shale 310' G&OCMW (5%G, 5%O, 60% W, 30%M) LS, white, cream, foss, few MedXLN, fair brown 3700 434' Muddy water stain/sat, SFO, odor??? with show of oil



⊦(95%W, 5%M)

Pressures: ISIP 961 psi FSIP 971 psi IFP 56-301 psi FFP 309-509 psi HSH 1722-1681

DST#3 3598-3634

Packer Failure

DST#4 3650-3720 30-30-30-45

1st Open: Weak blow died in 7 mins

2nd Open: Dead

Recovery:

5' Oil Spotted Mud

Pressures:

ISIP 87 psi FSIP 98 psi IFP 34-35 psi FFP 35-38 psi