Joshua R. Austin Petroleum Geologist report for Lebsack Oil Production, Inc.
COMPANY: LEBSACK OIL PRODUCTION INC.
LEASE: North River # 7
FIELD: GROVE
SURFACE LOCATION:
SEC: 27 TWSP: 20s RGE: 10w
COUNTY: RICE STATE: KANSAS
KB: <u>1733'</u> GL: <u>1722'</u>
API # 15-159-22838-00-00
CONTRACTOR: STERLING DRILLING COMPANY (Rig #4)
Spud: <u>02-03-2017</u> Comp: <u>02-09-2017</u>
RTD: <u>3310'</u> LTD: <u>3312'</u>
Mud Up: 2603' Type Mud: Chemical was displaced
Samples Saved From: 2400' to RTD
Geological Supervision From: 2750'to RTD
Geologist on Well: Josh Austin
Surface Casing: 8 5/8" @ 275
Production Casing: 5 1/2" @3408

NOTES

On the basis of the positive strucural position and after reviewing the electric logs, it was recommended by all parties involved in the North River #7 to run 5 1/2" production casing to further test the Lansing 'F' zone. If the Lansing zone is not productive, casing was set 60' into the Arbuckle to make a salt water disposal well.

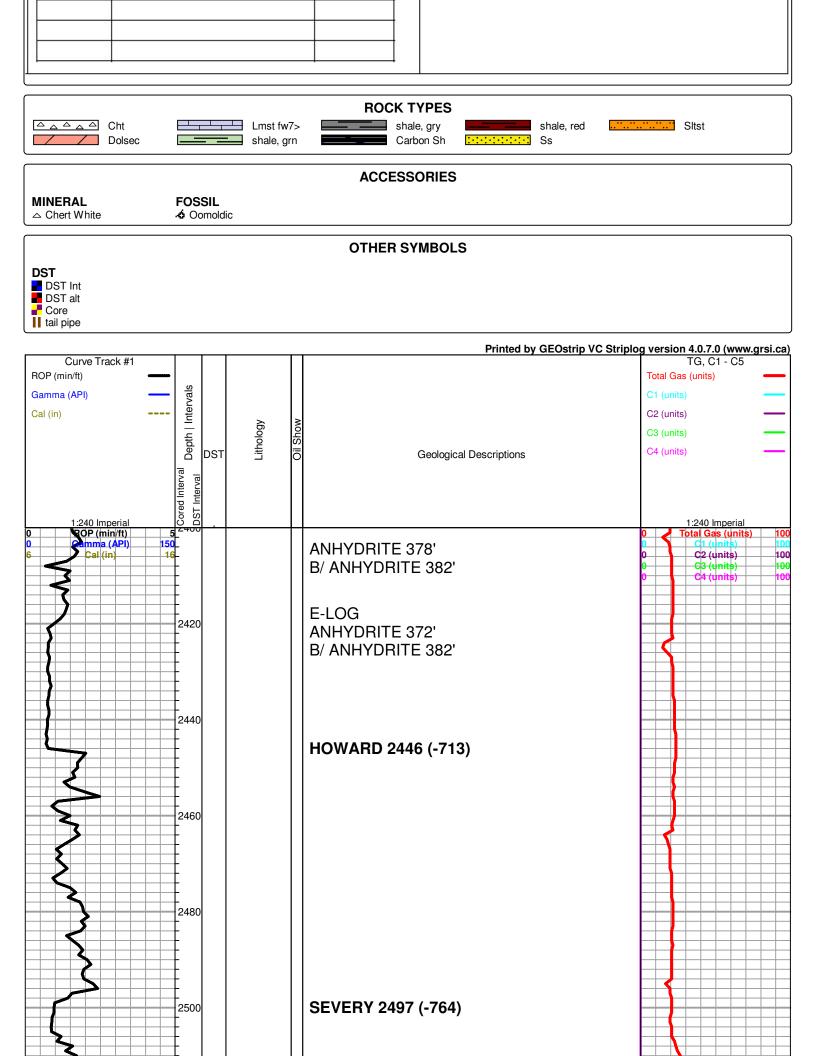
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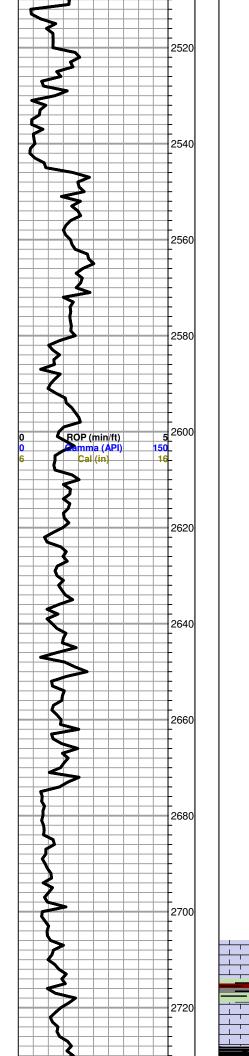
	1733	KB			1729	KB	Struct Relatio		1729	KB	Struct Relation		1724	KB	Struct Relati	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Howard	2446	-713	2447	-714	2448	-719	6	5	2443	-714	1	0	2441	-717	4	3
Topeka	2545	-812	2546	-813	2546	-817	5	4	2544	-815	3	2	2538	-814	2	1
Heebner	2830	-1097	2828	-1095	2830	-1101	4	6	2830	-1101	4	6	2820	-1096	-1	1
Douglas	2854	-1121	2853	-1120	2853	-1124	3	4	2853	-1124	3	4	2846	-1122	1	2
Brown Lime	2965	-1232	2965	-1232	2965	-1236	4	4	2966	-1237	5	5	2954	-1230	-2	-2
Lansing	2978	-1245	2978	-1245	2988	-1259	14	14	2982	-1253	8	8	2976	-1252	7	7
"F" Zone	3060	-1327	3060	-1327									3052	-1328	1	1
Viola	3254	-1521	3257	-1524			· · · · · ·		· · · · ·				3252	-1528	7	4
Simpson Sand	3301	-1568	N/A	N/A							1		3295	-1571	3	N/A
Arbuckle	3346	-1613	N/A	N/A									3341	-1617	4	N/A
Total Depth	3410	-1677		1.1.1.1.1.1	3137	-1408			3249	-1520			3362	-1638		

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	DRILL STEM TES	T REP	ORT			
RILOBITE	Lebsack Oil Production Inc.		27/20S/10W/Rice			
ESTING , INC.	10 004 004		North Riv	/er #7		
	Chase Kansas 67524		Job Ticket:	63699	DST#:1	
	ATTN: Josh Austin		Test Start:	2017.02.07 @	05:12:00	
GENERAL INFORMATION:						
Formation: Lansing/Kansas Cir Deviated: No Whipstock: Time Tool Opened: 07:04:00 Time Test Ended: 12:13:00	ft (KB)		Test Type: Tester: Unit No:		-	
Interval: 3056.00 ft (KB) To 30 Total Depth: 3076.00 ft (KB) (T) 3076.00 ft (KB) (T)	/D)			Bevations:	1733.00 ft (KB) 1722.00 ft (CF)	
Hole Diameter: 7.80 inchesHole	Condition: Fair		K	B to GR/CF:	11.00 ft	
I.S.I. 45 Minut F.F. 60 Minut		2017.02.07 12:12:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:			
Pressure vs. T			PRESS	JRE SUMM	ARY	
The Field 2007	RC Proposition	Time (Min.) 0 1 31 74 76 136 226 228	17.13 94.4 32.05 95.9 744.10 96.4 38.27 97.3 58.92 99.9 804.12 99.9	F) Initial Hydro Copen To F Solution Solut	o-static low (1) n(1) low (2) n(2)	
Recovery			(as Rates		
Length (ft) Description	Volume (bbl)		Cho	e (inches) Pressu	re (psig) Gas Rate (Mcf/d)	

20 20	90.00	Oil spotted Muddy Water	0.44	
	0.00	Mud 45% Water 55%	0.00	Ī
	0.00	157 feet of gas in pipe	0.00	Ī
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AIR Town	DRILL STEM TES		ORT		
RILOBITE	Lebsack Oil Production Inc.		27/20S/1	W/Rice	
ESTING , INC	PO Box 354 Chase Kansas 67524		North Riv Job Ticket:		DST#:2
Nex.	ATTN: Josh Austin		Test Start:	2017.02.08 @	05:17:00
GENERAL INFORMATION:					
Formation:Simpson SandDeviated:NoWhipstock:Time Tool Opened:06:58:30Time Test Ended:10:36:30	ft (KB)		Test Type: Tester: Unit No:	Ken Swinne	
Interval:3270.00 ft (KB) To3Total Depth:3310.00 ft (KB) (THole Diameter:7.80 inchesHo				Bevations: B to GR/CF:	1733.00 ft (KB) 1722.00 ft (CF) 11.00 ft
F.F. 15 Min	End Date: End Time:		Capacity: Last Calib.: Time On Btm Time Off Btm:		
Pressure vs.			DDESS	JRE SUMM	
The second secon	Turnerskin (dry 7	Time (Min.) 0 1 16 45 46 61 121 123	Pressure (psig) Temp (deg (deg 1609.29 1609.29 97.9 41.24 98.1 156.39 109.4 1015.85 108.0 163.12 107.0 224.28 109.9	Annotation Annotation	on o-static flow (1) h(1) flow (2) h(2)
Recovery			· · · · · · (Bas Rates	
Length (ft) Description	Volume (bbl)		Cho	e (inches) Pressu	ure (psig) Gas Rate (Mcf/d)
472.00 Muddy Water/ Mud 10%	Water 90% 4.66				

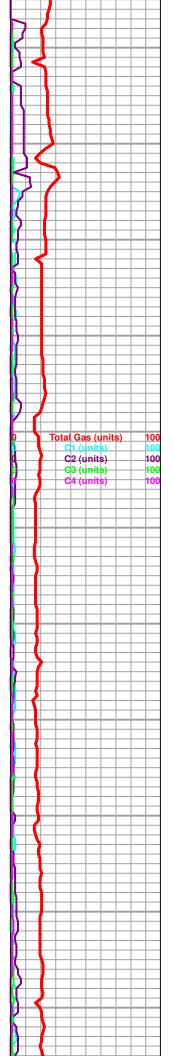


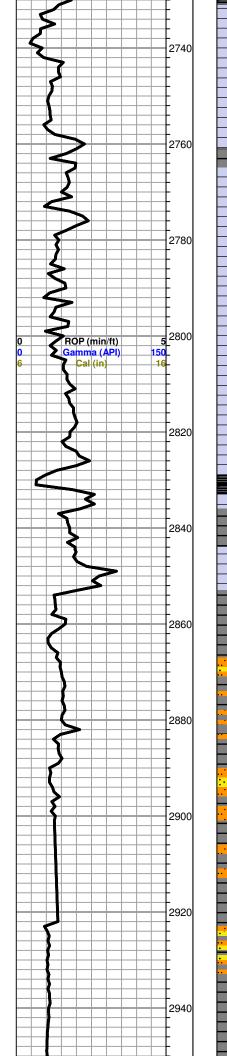




trace black carboniferous shale

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Limestone; cream-buff, fine xln, chalky, fossiliferous-oolitic, few oolicastic type porosity, granular in part, no shows

Limestone as above

grey-green shale

Limestone; cream-tan, chalky, finely oolitic, fossilifeorus in part, poor visible porosity, no shows, trace white-grey boney Chert

Limestone; cream, granular in part, few mottled pieces, chalky, scattered porosity, no shows

Limestone; as above

HEEBNER 2827 (-1094)

Black Carboniferous Shale

grey shale

Limestone; tan-cream, fine xln, dense, chery, no porosity, no shows

DOUGLAS 2854 (-1121)

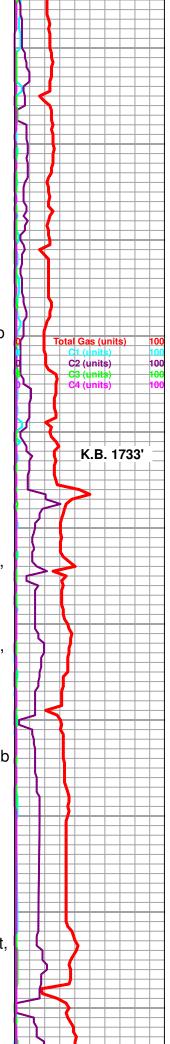
Shale; green-greyish green, soft, silty in part, slighlty micaceous, trace siltstone; greyish green

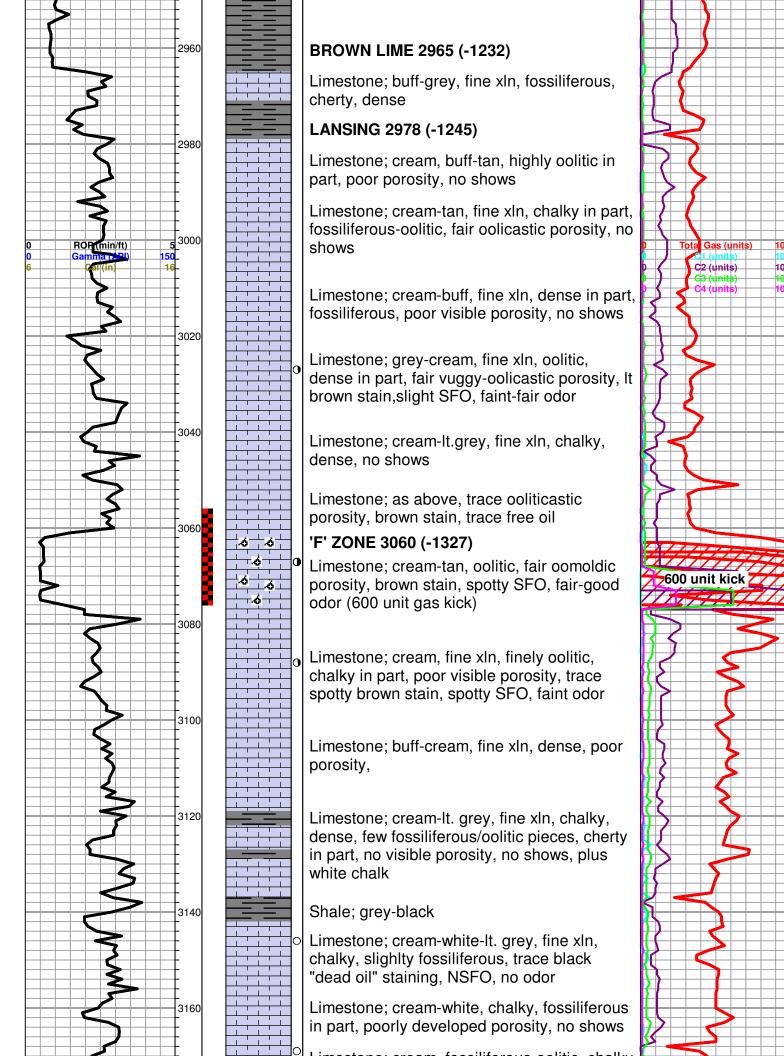
Siltstone; It. grey-white, very fine grained, sub rounded, sub angular, friable, poor interganular porosity, micaceous in part, no shows

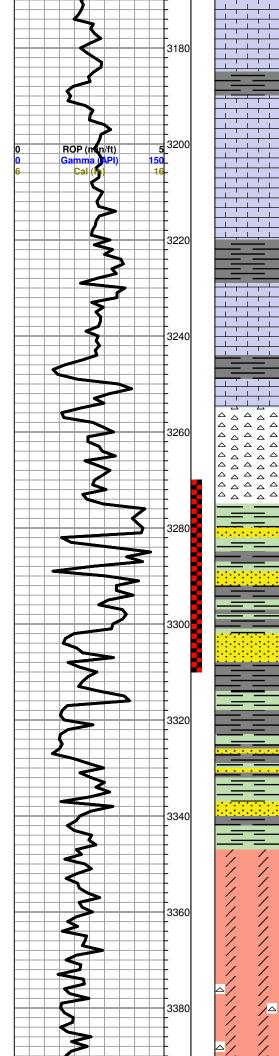
Shale and siltstone as above

Shale; grey-greysih green, micaceous in part, slighlty silty, plus Siltstone

Shale and Siltsone as above







Limestone; cream, tossiliterous-oolitic, chaiky in part, trace oolcastic porosity, brown-dark brown stain, SFO, very faint odor (2 pcs)

Shale; grey-greyish green

Limestone; cream-buff, fine xln, finely oolitic, dense, trace vuggy-finely oomoldic porosity, brown stain, trace free oil, faint odor

C2 (units)

Limestone; cream-buff-tan, fine xln, dense, cherty, poor visible porosity, no shows

Shale; grey-green-maroon

Limestone; cream-grey, fine xln, chalky in part, dense, poor visible porosity, no shows

Shale; grey-green, fissle in part, trace black carboniferous shale

VIOLA 3254 (-1521)

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Chert; grey-white-yellow-mustard, boney, semi tripolitic, no shows

SIMPSON SHALE 3275 (-1542)

Sand; clear-white fine grained, sub angular, sub rounded, poorly sorted in part, calcerous cementaion, black-brown stain, SFO in part, fair-good odor

Shale; grey-green

SIMPSON SAND 3301 (-1568)

Sand; clear, fine grained, sub angular, sub rounded, fair intergranular porosity, golden brown stain, spotty SFO in part, good odor

Shale; grey-green, blueish-green, soft/gummy

Sand; tan-clear, as above, "dirty" poorly sorted, black dead oil stain, NSFO, no odor

Shale; green-blue-green, grey, soft, gummy

ARBUCKLE 3346 (-1613)

Dolomite; cream, white, fine-medium xln, few rhombs, slightly sucrosic, inter xln porosity, no shows

Dolomite; cream, tan, fine-medium xln, sucrosic in part, few inter xln porosity, no shows

Dolomite; as above, vuggy-inter xln porosity,

