Joshua R. Austin Petroleum Geologist report for
Lebsack Oil Production, Inc.
COMPANY: Lebsack Oil Production, Inc.
LEASE: Garden City #8-12
FIELD: West Damme Ext.
LOCATION: 2200'FSL & 330' FEL (S2-Ne-Ne-Se)
SEC: <u>12</u> TWSP: <u>22s</u> RGE: <u>34w</u>
COUNTY: Finney STATE: Kansas
KB: <u>2920'</u> GL: <u>2907'</u>
API # 15-055-22425-00-00
CONTRACTOR: Sterling Drilling Company (rig #5)
Spud: <u>09/09/2015</u> Comp: <u>09/17/2015</u>
RTD: <u>4860</u> LTD: <u>4859</u>
Mud Up: <u>3400'</u> Type Mud: <u>Chemical was displaced</u>
Samples Saved From: <u>3600' to RTD.</u> Drilling Time Kept From: <u>3600' to RTD.</u> Samples Examined From: <u>3600' to RTD.</u>
Geological Supervision From: <u>3850' to RTD.</u> Geologist on Well: <u>Josh Austin</u>
Surface Casing: <u>8 5/8" @436'</u>
Production Casing: <u>5 1/2" @ 4849'</u>
Electronic Surveys: By Pioneer Energy Services

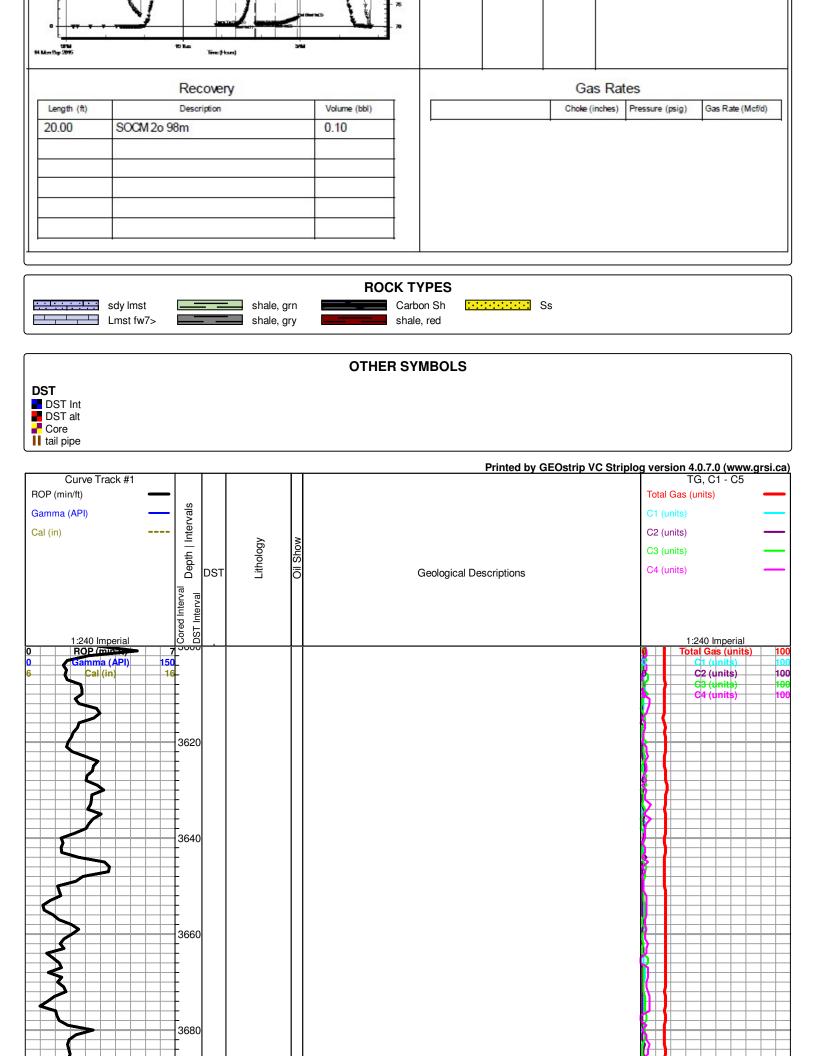
NOTES

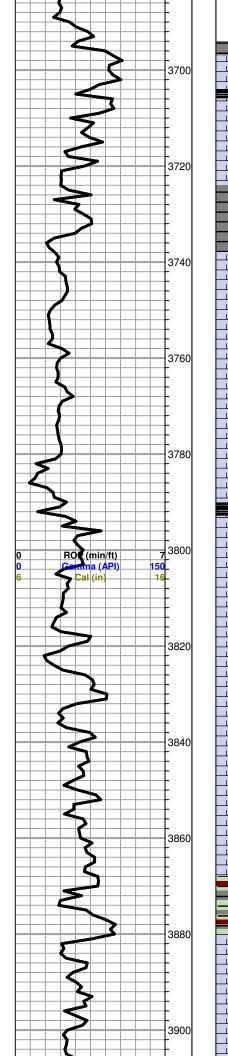
On the basis of the positive structural position, good sample shows and after reviewing the electric logs, it was recommended by all parties involved in the Garden City 8-12 to run 5 1/2 production casing to further test the Mississippi and Lansing zones. DV tool was set at 3186'.



d	DRILLING WELL Garden City #8-12				COMPARISON WELL Garden City #2-12				COMPARISON WELL Garden City #3-12			
										1		
				0)	Struct	ural			Struct	ural
	2920	KB			2921	KB	Relatio	onship	2919	KB	Relati	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3790	-870	3788	-868	3794	-873	3	5	3784	-865	-5	-3
Toronto	3804	-884	3801	-881	3809	-888	4	7	3800	-881	-3	0
Lansing	3882	-962	3878	-958	3887	-966	4	8	3875	-956	-6	-2
Base KC	4300	-1380	4302	-1382	4312	-1391	11	9	4299	-1380	0	-2
Marmaton	4328	-1408	4328	-1408	4340	-1419	11	11	4325	-1406	-2	-2
Pawnee	4405	-1485	4403	-1483	4417	-1496	11	13	4404	-1485	0	2
Ft. Scott	4442	-1522	4440	-1520	4453	-1532	10	12	4438	-1519	-3	-1
Cherokee Sh.	4449	-1529	4446	-1526	4460	-1539	10	13	4444	-1525	-4	-1
Morrow Shale	4635	-1715	4632	-1712	4638	-1717	2	5	4630	-1711	-4	-1
Mississippi	4678	-1758	4682	-1762	4690	-1769	11	7	4661	-1742	-16	-20
St. louis C	4766	-1846	4764	-1844	4777	-1856	10	12	4758	-1839	-7	-5
RTD	4860	-1940			4860	-1939			4860	-1941		
LTD	4859	-1939		1	4860	-1939			4860	-1941		

RILOBITE	DRILL STEM TEST REPORT							
	Lebsack Oil Production	12 22s 34w Finney, Ks						
ESTING , INC.	PO Box 354 Chase, Ks 67524 ATTN: Josh Austin		Garden City #8-12 Job Ticket: 61829 Test Start: 2015.09.14 @			DST#:1		
GENERAL INFORMATION:								
Formation: Paw nee Deviated: No Whipstock: Time Tool Opened: 00:50:15 Time Test Ended: 04:49:45	ft (KB)		Tes	ter: E	Conventional Bradley Walt		e (Initial)	
Interval: 4396.00 ft (KB) To 44 Total Depth: 4425.00 ft (KB) (Tv Hole Diameter: 7.88 inchesHole		Reference Elevations: 2920.00 ft (2907.00 ft (KB to GR/CF: 13.00 ft						
Serial #: 8365 Inside Press@RunDepth: 28.51 psig Start Date: 2015.09.14 Start Time: 21:10:05 TEST COMMENT: IF: Surface blow, ISI: No return, FF: No blow. FSt No return	End Date: End Time:	2015.09.15 04:49:44	Capacity Last Calil Time On Time Off	b.: Btm: 2	2015.09.15 @ 2015.09.15 @		psig	
Pressure vs. T		PRESSURE SUMMARY						
		Time (Min.) 0 1 30 61 61 91 127 3 28	Pressure (psig) 2281.91 17.49 19.09 599.29 26.82 28.51 104.85 2228.45	113.37 114.10 114.39 114.34 114.65 114.86	Annotatio Initial Hydro Open To Fk Shut-In(1) End Shut-In Open To Fk Shut-In(2) End Shut-In Final Hydro	static ow (1) (1) ow (2)		





Black-grey-green Shale

Black Carboniferous Shale

Limestone; cream-tan, highly fossiliferous, chalky, scattered fossil cast type porosity, no shows

Shale; grey-green

Limestone; grey-cream, fine-micro xIn, chalky in part, fossiliferous, pooly developed porosity, no shows

Limestone; as above, granular in part, few scattered porosity, no shows, plus grey boney Chert

HEEBNER 3790 (-870)

Black Carboniferous Shale

TORONTO 3804 (-884)

Limestone; dark grey-cream, fine xln, dense, fossiliferous, few pin point-inter xln porosity, plus white chalk

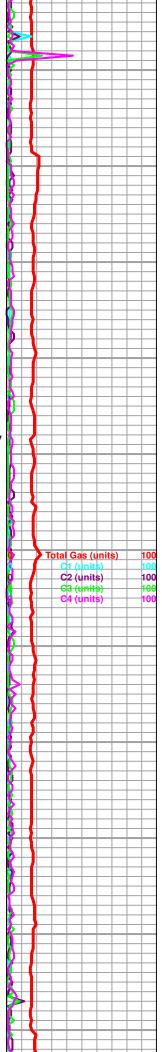
Limestone; white-lt. grey, fine-medium xln, chalky, sparry calcite cement, poor visible porosity, cherty in part, no shows

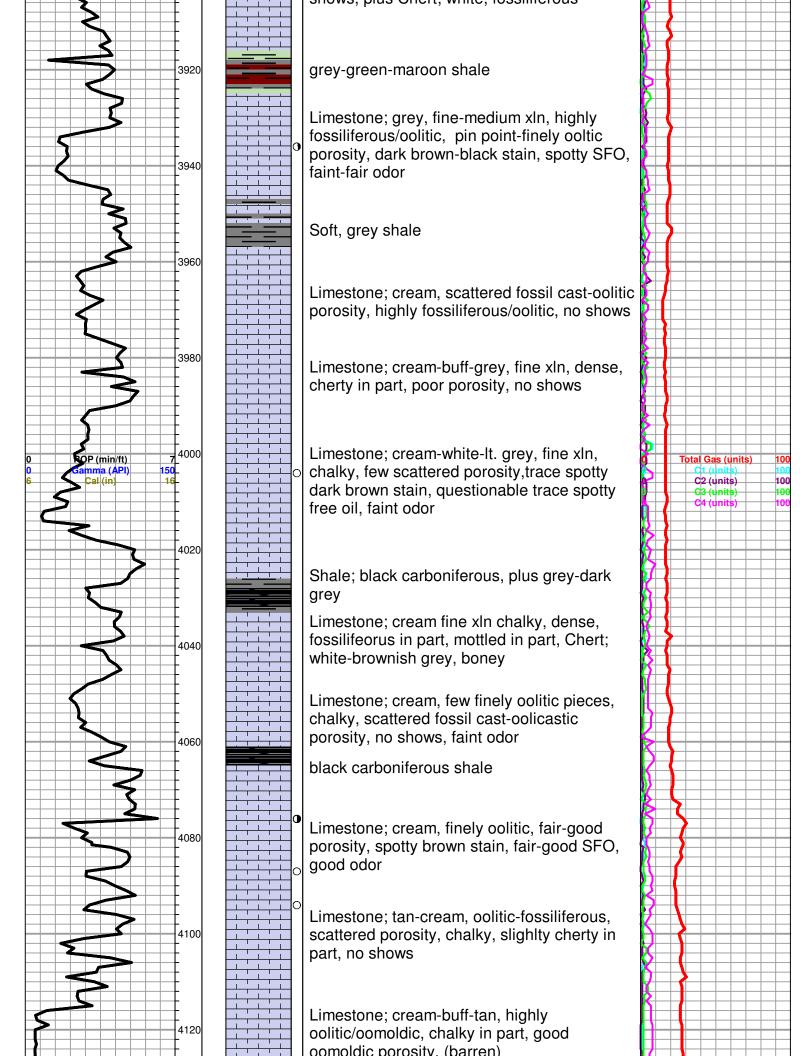
Chert; cream-lt. grey, fossiliferous, boney

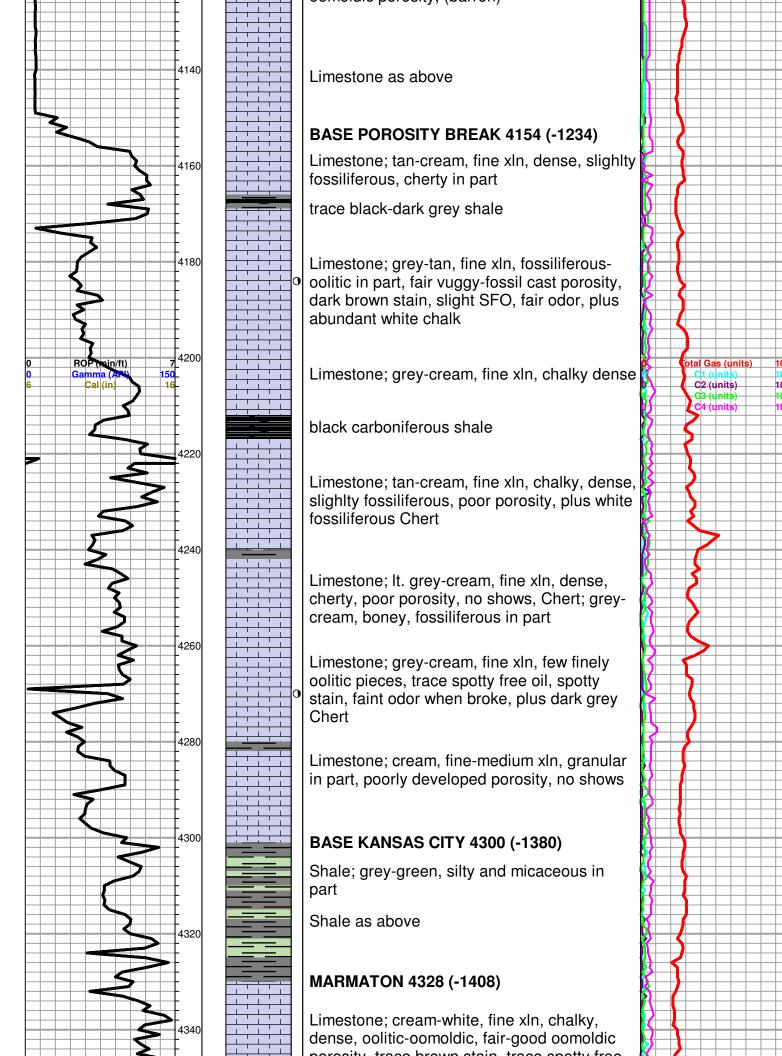
Shale; grey-maroon-green, soft

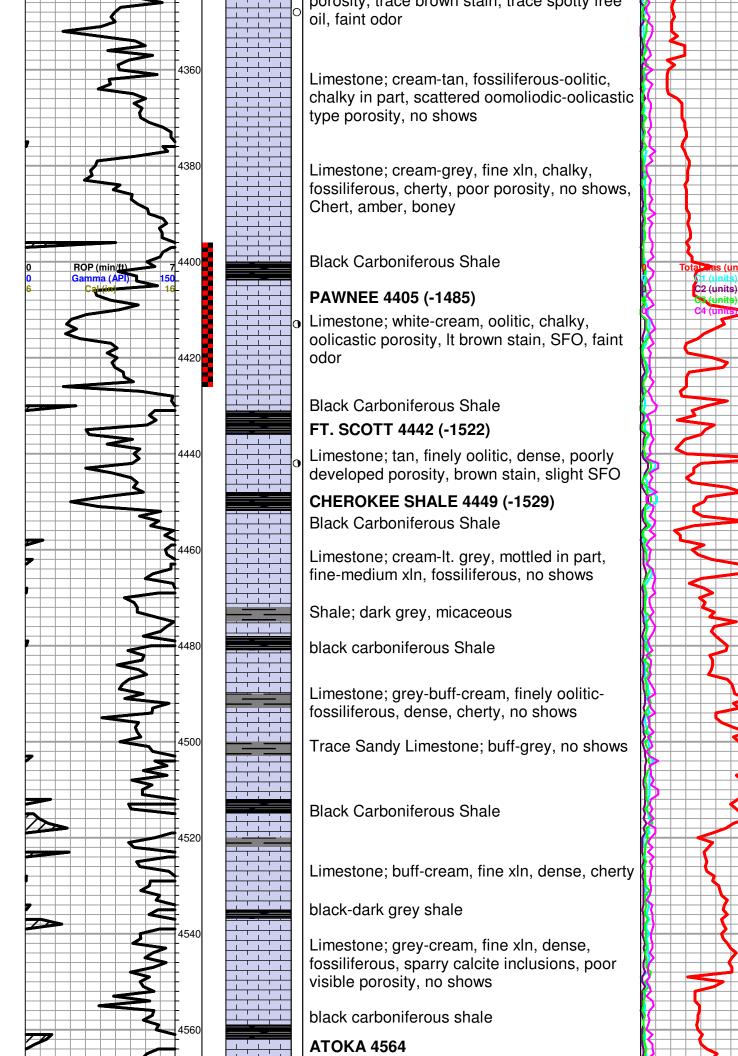
LANSING 3882 (-962)

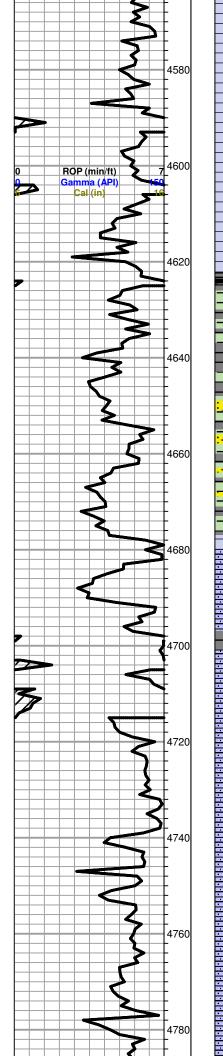
Limestone; tan-buff, fine xln, fossiliferousoolitic in part, dense, poor visible porosity, no shows plus Chert: white fossiliferous











Limestone; buff-cream-lt.grey, micro-fine xln, dense, cherty, poor visible porosity, no shows

trace Limestone; cream, highly fossiliferous, spotty brown stain, trace free oil, fair odor

Limestone; cream-tan, fine xln, fossiliferous in part, Chert; smokey grey-amber

Limestone; grey, fine xln, dense, cherty, few scattered pinpoint-inter xln porosity, brown stain, spotty SFO, faint-fair odor plus blackdark grey Chert, boney

black carboniferous shale

MORROW SHALE 4635 (-1715)

Shale; grey-greyish green, soft, micaceous in part, slighly glauconitic

Shale; grey-green, silty in part, soft questionable trace Sand; white-grey, sub rounded, sub angular, no shows

as above

MISSISSIPPI 4678 (-1758)

Limestone; white, fine-medium oolities, fairgood oolicastic porosity, brown spotty stain, SFO, faint-fair odor

Limestone; cream-lt. grey, granular/sandy, highly oolitic, no shows

Limestone; cream-white, chalky, granular/ sandy, oolitic, no shows

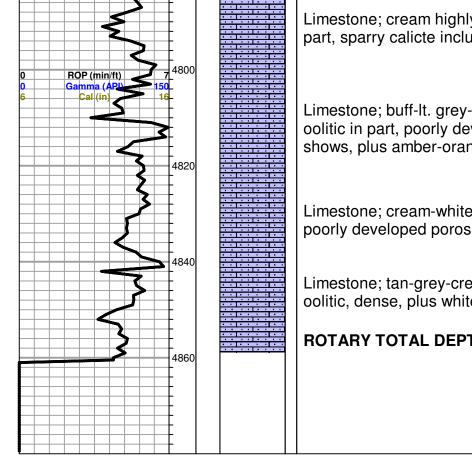
Limestone; as above plus white chalk

Limestone; cream-white, oolitic, granular, poorly developed porosity, no shows

Chert; orange, boney

Limestone; white-cream, oolitic, fair oolicastic porosity, trace spotty stain, good SFO when sample broke, faint-fair odor





Limestone; cream highly oolitic, chalky in part, sparry calicte inclusions, no shows

Limestone; buff-lt. grey-cream, granular, oolitic in part, poorly developed porosity, no shows, plus amber-orange boney Chert

Limestone; cream-white, oolitic, granular, poorly developed porosity, n/s

Limestone; tan-grey-cream, fine xln, slighlty oolitic, dense, plus white chalk, no shows

ROTARY TOTAL DEPTH 4860 (-1940)

