

ROBERT E. O'DELL

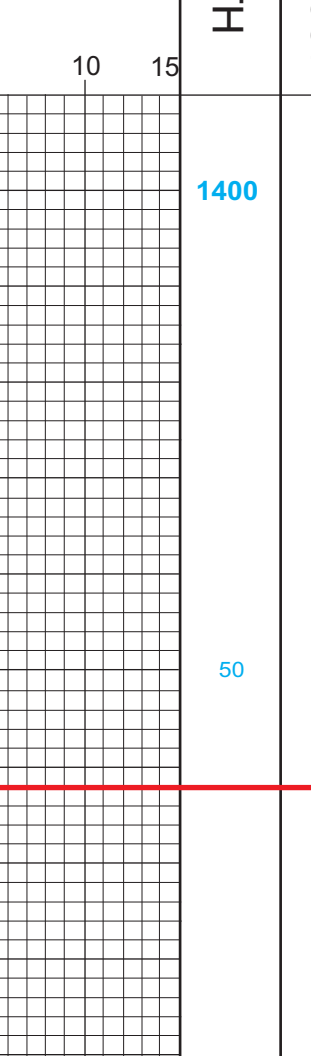
Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	Tomlinson Operating, LLC.	ELEVATIONS	KB 2124
LEASE	Cleveland #1	DF	
FIELD	Lansing	SEC	2
LOCATION	1650' FSL & 2310' FWL	TWSP	125 RCE 19W
COUNTY	Ellis	STATE	Kansas
CONTRACTOR	Southwind Drilling Inc #70	MEASUREMENTS BY	All From KB
SPUD	4-2-2013	COMP	4-10-2013
RTD	3750	LTD	3749
MUD UP	2900'	TYPE MUD	Chemical
SAMPLES SAVED FROM	3000'	TO RTD	
DRILLING TIME KEPT FROM	3000'	TO RTD	
SAMPLES EXAMINED FROM	3000'	TO RTD	
GEOLOGICAL SUPERVISION FROM 3:30' to RTD			
GEOLOGIST ON WELL: Bob O'Dell			

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Arbuckle	1461 (+ 663)	1462 (+ 662)
Heebner	3121 (- 987)	3122 (- 988)
Hooper	3349 (- 1225)	3349 (- 1225)
Lansing	3390 (- 1266)	3393 (- 1269)
BKC	3630 (- 1506)	3630 (- 1506)
Arbuckle	3671 (- 1547)	3666 (- 1542)
Total Depth	3749 (- 1625)	3750 (- 1626)



REMARKS Due to the negative drillstem tests taken in the Lansing-Kansas City and Arbuckle, decision was made to plug and abandon the #1 Cleveland at 3750' RTD.

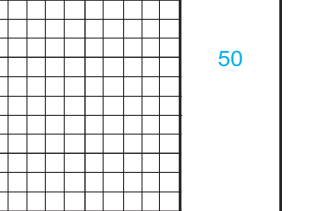
Respectfully submitted,

Bob O'Dell
4/10/2013

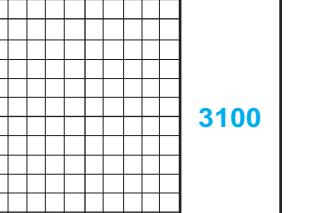
ANHYDRITE	SANDSTONE	LIMESTONE	SHALE	CARB. SH.	CHERTY LS	CHERT	DOLomite
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LEGEND

DRILLING TIME IN MINUTES PER FOOT



GAS SCALE



SAMPLE DESCRIPTION

4/2/2013 - MDRU
4/3/2013 - 7:00 a.m. Drilling @ 715'
4/4/2013 - 7:00 a.m. Drilling @ 2070'
4/5/2013 - 7:00 a.m. Drilling @ 2990'
4/6/2013 - 7:00 a.m. Drilling @ 6:50 p.m. Drilling @ 3130'
4/7/2013 - 7:00 a.m. CF5 @ 3360'
4/8/2013 - 7:00 a.m. CF5 @ 3480'
4/9/2013 - 7:00 a.m. COOH for DST #3 @ 3674'
4/9/2013 - 7:00 a.m. CTCH for log @ 3750', 4/10/2013 - 7:00 a.m. Laying down logs to plug @ 3750'

REMARKS

Lst-grey, tan, f xln, granular, fossiliferous, no vis porosity

Shale-grey, slightly sandy

Shale-grey, green, black, part fossiliferous, dense, no vis porosity

Lst-white, f grey, v-f xln, scattered, part cherty, no vis porosity

Shale-as above

Lst-lt grey, f xln, granular, part argillaceous, no vis porosity

Shale-as above

Lst-grey, brown, v-f xln, cherty, dense, no vis porosity

Lst-tan, white, f xln, fossiliferous, scattered cherty, scattered calcitic, most dense, dense, no vis porosity

Lst-tan, f grey, brown, v-f xln, cherty, dense, no vis porosity

Lst-white, f grey, f m xln, fossiliferous, chalky, scattered calcitic, no vis porosity

Lst-tan, f grey, f xln, granular, dolomitic, poor xln porosity, slight show sticky free oil, faint odor, or partial tan

Lst-tan, grey, white, mottled, f m xln, fossiliferous, calcitic, part argillaceous, granular, no vis porosity

Lst-grey, dark grey, v-f xln, cherty, brittle, no vis porosity

Lst-tan, white, f grey, f m xln, granular, fossiliferous, part argillaceous, no vis porosity

Lst-lt grey, white, f m xln, granular, fossiliferous in part, poor xln porosity, no show

Shale-black, dark grey

Lst-white, v-f xln, part cherty, scattered chalky, most dense, no vis porosity

Lst-as above to brown, v-f xln, very cherty, dense, no vis porosity

Shale-dark grey, grey

Lst-white, tan, grey, part mottled, f m xln, fossiliferous, part calcitic, scattered granular, scattered chalky, no vis porosity

Lst-white, f xln, granular, chalky, no vis porosity, very scattered white, oolitic, calcitic, poor interoolitic & vugular porosity, slight show sticky free oil, no odor, no fluor, fair cut, f xln

Lst-tan, f grey, v-f xln, granular, scattered calcitic, no vis porosity

Shale-dark grey

Shale-black, hard

Shale-grey, greenish/grey

Lst-tan, f grey, white, v-f xln, cherty, no vis porosity

Shale-dark grey, black, part fissile

Lst-white, f m xln, part calcitic, part granular, scattered fossiliferous, part cherty, poor xln porosity, no show

Lst-white, f grey, v-f xln, scattered fossiliferous, part very cherty, part chalky, poor to fair xln porosity, very slight show free oil, no odor, scattered f xln

Lst-white, tan, brown, v-f xln, cherty, dense, scattered chalky, no vis porosity

Lst-white, tan, f grey, f m xln, fossiliferous, cherty, calcitic, part chalky, no vis porosity

Lst-white, f grey, v-f xln, cherty, dense, no vis porosity

Lst-white, tan, f grey, v-f xln, cherty, dense, scattered poor vugular porosity, slight show dark free oil, no odor, spotted dark tan

Lst-lt grey, f xln, part granular, calcitic, scattered chalky, no vis porosity

Shale-grey, green, black, part sandy

Lst-white, f grey, v-f xln, part calcitic, no vis porosity

Lst-lt grey, f xln, oolitic, calcitic, scattered fossiliferous, no vis porosity

Shale-dark grey, dark green

Shale-as above

Lst-white, f xln, oolitic, calcitic, part cherty, no vis porosity

Chert-grey, fresh, sharp, angular, no vis porosity

Shale-lurquoise, waxy, pyritic

Dolo-tan, f grey, f xln, most sacroic, scattered calcitic, poor to fair xln porosity, fair show free oil, fair odor, partial tan to dark calcation

Dolo-lt grey, f m xln, rhombic, scattered sacroic, poor to fair xln porosity, slight show free oil, fair odor, spotted tan to dark calcation

Dolo-grey, f m xln, part sacroic, part rhombic, fair xln porosity, fair to good show free oil, fair odor, dark tan & calcation

Dolo-tan, v-f xln, dense, no vis porosity

Dolo-tan, f grey, f m xln, rhombic, fair to good xln porosity, good show sticky free oil, good odor, f tan to dark calcation

Dolo-white, f grey, v-f xln, part sacroic, part cherty, most dense, no show

Dolomite-as above to tan, f xln, sacroic, fair xln porosity, no show

Total Depth 3750 (-1626)

CTCH for log

Tomlinson Operating, LLC. Cleveland #1

1650' FSL & 2310' FWL Section 2-12a-19w Ellis County, Kansas

Elev: 2124 KB

API # 15-051-26,478

Eagle Creek Corporation Barnhart/Wilkinson #2-18