

Geological Report

Palmer Oil, Inc.

Cory #1-1

1330' FSL & 1022' FEL

Sec 1, T35s, R36w

Stevens County, Kansas



Palmer Oil, Inc.

General Data

Well Data: Palmer Oil, Inc.
Cory #1-1
1330' FSL & 1022' FEL
Sec. 1, T35s, R36w
Stevens County, Kansas
API # 15-189-22845-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson

Spud Date: March 9, 2017

Completion Date: March 20, 2017

Elevation 3021' G.L.
3032' K.B.

Directions: From the SW side of Liberal, KS at the intersection of 2nd St Rd & S Western Ave – Now go 5 miles West on 2nd St Rd – Now go 1 mile North on 2nd St Rd – Now go 8 miles West on 2nd St Rd - Now go 0.75 miles South on Rd 22 to stake into – Now go 1022' West into

Casing: 1782' 8 5/8" 23# Surface Casing

Samples: Surface to RTD 30' Dry;
4200' to RTD 30' wet & dry

Drilling Time: 4200' to RTD

Electric Logs: Halliburton "Whitlock"
Full Sweep

Drillstem Tests: None

Problems: Pulled Tight on all pipe trips
Gained mud weight through upper Morrow Shale

Formation Tops

Cory #1-1

Sec. 1, T35s, R36w

1330' FSL & 1022' FEL

Heebner	4316' -1284
Toronto	4334' -1302
Lansing	4453' -1421
BKC	5112' -2080
Marmaton	5212' -2180
Pawnee	5465' -2433
Cherokee	5580' -2548
Atoka Lime	5908' -2876
Morrow	5948' -2916
Chester Lime	6400' -3368
St. Gen	6620' -3588
RTD	6800' -3768
LTD	6801' -3769

Sample Zone Descriptions

Chester Sand (6538', -3506):

Sandstone, clear to white, fine grained, sub-round, semi spherical, fair sorting, fair-poor cementation, good inter-crystalline porosity, no odor, poor stain and saturation, fair green fluorescence, fair slow stream cut. Gas 275 units hotwire.

Structural Comparison

	Palmer Oil, Inc. Cory #1-1 Sec. 1, T35s, R36w 1330' FSL & 1022' FEL		Oxy USA Inc. Wiggains #12-7 Sec. 12, T35s, R36w 330' FNL & 330' FEL		EOG Resources Hittle Trust Sec. 1, T35s, R36w 400' FSL & 2310' FEL
Formation					
Heebner	4316' -1284	+10	4310' -1294	-3	4318' -1281
Toronto	4334' -1302	+11	4329' -1313	-3	4336' -1299
Lansing	4453' -1421	+9	4446' -1430	-3	4456' -1419
BKC	5112' -2080	+10	5106' -2090	-11	5106' -2069
Marmaton	5212' -2180	+12	5208' -2192	-11	5206' -2169
Pawnee	5465' -2433	+7	5456' -2440	-6	5464' -2427
Cherokee	5580' -2548	+10	5574' -2558	-5	5580' -2543
Atoka Lime	5908' -2876	+2	5894' -2878	-11	5902' -2865
Morrow	5948' -2916	0	5932' -2916	-13	5940' -2903
Chester Lm	6400' -3368	+7	6391' -3375	+7	6412' -3375
St. Gen	6620' -3588	+26	6630' -3614	-3	6622' -3585

Summary

The location for the Cory #1-1 well was found via 3-D seismic survey. The new well ran structurally as expected. No sufficient pay zone was encountered while drilling and no drill stem tests were conducted. After all the gathered data had been examined, the decision was made to plug and abandon the Cory #1-1 well.

Respectfully Submitted,

Lukas Thompson
Palmer Oil, Inc.