

Geological Report

Palmer Oil, Inc.

Koehn #2-34

339' FSL & 541' FEL

Sec 34, T27s, R33w

Haskell County, Kansas



Palmer Oil, Inc.

General Data

Well Data: Palmer Oil, Inc.
Koehn #2-34
339' FSL & 541' FEL
Sec. 34, T27s, R33w
Haskell County, Kansas
API # 15-081-22137-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Luke Thompson

Spud Date: March 19, 2016

Completion Date: March 31, 2016

Elevation 2960' G.L.
2972' K.B.

Directions: From the west side of Sublette, KS at the intersection of Hwy 83 & Hwy 56 go 12 miles north on Hwy 83. At the intersection of Hwy 83 and Rd. 70 go west 2.1 on Rd 70. North into.

Casing: 1744' 8 5/8" #24 Surface Casing

Samples: 4100' to RTD 10' Wet & Dry

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "T. Martin"
Full Sweep

Drillstem Tests: No tests

Problems: none encountered

Formation Tops

Koehn #2-34

Sec. 34, T27s, R33w

339' FSL & 541' FEL

Anhydrite	1901' +1071
Base	1974' +998
Heebner	4132' -1160
Lansing	4228' -1256
BKC	4764' -1792
Marmaton	4790' -1818
Cherokee	4920' -1948
Morrow	5209' -2237
Chester Lime	5314' -2342
St. Gen	5417' -2445
RTD	5650' -2678
LTD	5650' -2678

Structural Comparison

	Palmer Oil, Inc. Koehn #2-34 Sec. 34, T27s, R33w 339' FSL & 541' FEL		OXY USA Koehn D-1 Sec. 2, T28s, R33w 750' FNL & 1235' FWL		EOG Resources O'Brate 33 #1 Sec. 33, T27s, R33w 575' FSL & 1910' FWL
Formation					
Heebner	4132' -1160	+1	4132' -1161	-26	4132' -1134
Lansing	4228' -1256	-3	4224' -1253	-36	4218' -1220
BKC	4746' -1792	-4	4759' -1788	-30	4760' -1762
Marmaton	4790' -1818	-13	4776' -1805	-41	4775' -1777
Cherokee	4920' -1948	-17	4902' -1931	-24	4922' -1924
Morrow	5209' -2237	-30	5178' -2207	-25	5210' -2212
Chester Lm	5314' -2342	-77	5236' -2265	-35	5375' -2377
St. Gen	5417' -2445	+2	5408' -2447	-43	5486' -2488

Summary

The location for the Koehn #2-34 well was found via 3-D seismic survey. The new well ran structurally as expected. No drill stem tests were conducted. After all the gathered data had been examined, the decision was made to plug and abandon the Koehn #2-34 well.

Respectfully Submitted,

Lukas Thompson (Palmer Oil, Inc.)