

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32705
 Name: Raney Oil Co., LLC
 Address: 3425 Tam Oshanter DR.
 City/State/Zip: Lawrence KS 66047
 Purchaser: Coffeyville Resources
 Operator Contact Person: Thomas Raney
 Phone: (785) 749-0672
 Contractor: Name: American Eagle Drilling
 License: 33493
 Wellsite Geologist: Duane Stecklein
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: N/A
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>7/6/09</u>	<u>7/11/09</u>	<u>7/21/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 065-23457-0000
 County: Graham
NE SE SW Sec. 3 Twp. 10 S. R. 21 East West
1140 feet from S / N (circle one) Line of Section
2970 feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Miller-Lambert Well #: 13
 Field Name: Cooper
 Producing Formation: Arbuckle
 Elevation: Ground: 2300 Kelly Bushing: 2307
 Total Depth: 3915 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 306 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 1805 Feet
 If Alternate II completion, cement circulated from 1805
 feet depth to surface w/ 375 ^{6x cmt.}

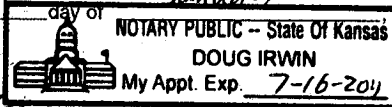
Drilling Fluid Management Plan
 (Data must be collected from the Reserve Pit)
 Chloride content 5000 ppm Fluid volume 500 bbls
 Dewatering method used Let dry and Backfill
 Location of fluid disposal if hauled offsite:
 Operator Name: NA
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

Alt 2-Dlg - 1/21/00

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: _____
 Title: member Date: 1/16/10
 Subscribed and sworn to before me this 16th day of January
20 10
 Notary Public: _____
 Date Commission Expires: 7-16-2011



KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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Operator Name: Raney Oil Co., LLC Lease Name: Miller-Lambert Well #: 13
 Sec. 3 Twp. 10 S. R. 21 East West County: Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Micro Log, RAG Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>ANH</td> <td>1776</td> <td>+531</td> </tr> <tr> <td>Top</td> <td>3291</td> <td>-984</td> </tr> <tr> <td>Heeb</td> <td>3496</td> <td>-1189</td> </tr> <tr> <td>LKC</td> <td>3534</td> <td>-1226</td> </tr> <tr> <td>BKC</td> <td>3760</td> <td>-1453</td> </tr> <tr> <td>Arb</td> <td>3848</td> <td>-1541</td> </tr> <tr> <td>RTD</td> <td>3912</td> <td>-1605</td> </tr> </table>	Name	Top	Datum	ANH	1776	+531	Top	3291	-984	Heeb	3496	-1189	LKC	3534	-1226	BKC	3760	-1453	Arb	3848	-1541	RTD	3912	-1605
Name	Top	Datum																							
ANH	1776	+531																							
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BKC	3760	-1453																							
Arb	3848	-1541																							
RTD	3912	-1605																							

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surf		8 5/8		306'	Comm	200	3%cc 2%gel
Prod		5 1/2	15.5 #	3912'	FE	175	EA-2
PC				1805			

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				NA

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	3848-52		
4	3856-59		
4	3870-73		
4	3885-88		

TUBING RECORD			Liner Run
Size	Set At	Packer At	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 7/8	3850	NA	
Date of First, Resumerd Production, SWD or Enhr. July 26, 2009		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity
	20		80 20 28

Disposition of Gas <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____
Production Interval _____	

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ALLIED CEMENTING CO., LLC. 038391

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell

DATE <u>1-21-09</u>	SEC <u>3</u>	TWP. <u>10</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>Miller</u>	WELL # <u>13</u>	LOCATION <u>PAKO 15 SW 15 2W</u>			COUNTY <u>ROCK</u>	STATE <u>K</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR _____ OWNER _____

TYPE OF JOB PORT COLLAR

HOLE SIZE 7 7/8 T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2 3/8 DEPTH _____

DRILL PIPE DEPTH _____

TOOL DEPTH _____

PRES. MAX MINIMUM _____

MEAS. LINE SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

CEMENT AMOUNT ORDERED

385 lbs Lite to P10

385/dw

EQUIPMENT

PUMP TRUCK CEMENTER Bill

407 HELPER CFG16

BULK TRUCK

481 DRIVER mat

BULK TRUCK

DRIVER _____

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC	@	_____	_____
<u>Lite 385</u>	@	<u>11.85</u>	<u>4,562.</u>
<u>Fla 96</u>	@	<u>2.45</u>	<u>235.</u>
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
HANDLING <u>385</u>	@	<u>2.25</u>	<u>866.</u>
MILEAGE <u>110.5/k/mile</u>			<u>1540.0</u>
TOTAL			<u>7203.</u>

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REMARKS:

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P.C.C 1805

Test 1000 # o/k

Open Tool Est. Circ

Cmt w 210 lb cement

Cement Circ. to surface

Close tool Test 1000 # o/k

Ran 5 qts wash clean

SERVICE

DEPTH OF JOB	_____	_____
PUMP TRUCK CHARGE	_____	<u>1159.</u>
EXTRA FOOTAGE	@	_____
MILEAGE <u>40</u>	@	<u>7.00</u> <u>280.0</u>
MANIFOLD	@	_____
_____	@	_____
TOTAL		<u>1439.</u>

CHARGE TO: Raney

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>Opening Tool</u>	@	_____	<u>N/C</u>
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

ALLIED CEMENTING CO., LLC. 038441

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: RUSSELL

DATE <u>7-7-09</u>	SEC. <u>3</u>	TWP. <u>10</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30pm</u>	JOB FINISH <u>6:00pm</u>
LEASE <u>MILLER LAMBERT</u>	WELL # <u>13</u>	LOCATION <u>CHURCH OF GOD 25 1/2 W</u>			COUNTY <u>GRAHAM</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>N</u>				<u>INTO</u>			

CONTRACTOR AMERICAN EAGLE #2
 TYPE OF JOB SURFACE
 HOLE SIZE 12 1/4 T.D. 306
 CASING SIZE 8 5/8 DEPTH 306
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 18 BC

OWNER
 CEMENT
 AMOUNT ORDERED 200 Com 3% CC
2% OIL

EQUIPMENT
 PUMP TRUCK CEMENTER CRAIG
 # 409 HELPER JOHN
 BULK TRUCK
 # 410 DRIVER GLENN
 BULK TRUCK
 # DRIVER

COMMON	<u>200</u>	@	<u>13.50</u>	<u>2700.00</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>20.25</u>	<u>81.00</u>
CHLORIDE	<u>7</u>	@	<u>51.50</u>	<u>360.50</u>
ASC		@		
RECEIVED		@		
JAN 20 2010		@		
KCC WICHITA		@		
HANDLING	<u>200</u>	@	<u>2.25</u>	<u>450.00</u>
MILEAGE	<u>110.516/mile</u>			<u>450.00</u>
TOTAL				<u>4091.00</u>

REMARKS:
Cement Circulated!
THANKS

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>45</u>	@	<u>2.00</u> <u>315.00</u>
MANIFOLD		@	
TOTAL <u>1306'</u>			

CHARGE TO: RAVEY OIL
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment

SWIFT Services, Inc.

DATE 7-13-09 PAGE NO. 1

Agony Oil Co. WELL NO. #13 LEASE Miller Lambert JOB TYPE Long string TICKET NO. 16086

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							0.1 loc w/ F.P.
								RTD 3915'
								5 1/2" x 15.5# x 3912' x 22'
								Cent, 2, 4, 6, 8, 50'
								Basket 2, 51
								P.C. 51 @ 1805'
	1105							start FE
	1300							Break-circ
	1405	2.5	07					Plug RH 25sks EA-2
	1410	4	0			150		start Mud flush
		4	12/0			150		start KCL flush
	1418	5.5	20/0			200		start Cement 150sks EA-2
	1425		36					End Cement
								Wash P&L
								Drop L.D. Plug
	1428	6.5	0			150		start Displacement
	1438	5	65			200		Catch Cement
	1444		92.5			200		Land Plug
								Rel. Pressure
								Float Held

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Thank you

Nick, Josh F. & Dave K.

DUANE STECKLEIN

PETROLEUM GEOLOGIST

579 280TH AVE.

HAYS, KANSAS 67601

785-432-2477

GEOLOGICAL REPORT

Raney Oil Company, LLC

Miller-Lambert #13

1140' FSL & 2970' FEL

NE-SE-SW

SEC. 3 TWP. 10s RGE. 21w

Graham County, Kansas

COMMENCED: 7/6/09

COMPLETED: 7/11/09

CONTRACTOR: American Eagle Drilling

SURFACE PIPE: 8" at 306'

PRODUCTION PIPE: 5 1/2" at 306'

July 22, 2009

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Formation Data

Elevation: (2300' G.L.) – (2307' K.B.)
All top formations measured from 2307 K.B.

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1776	+ 531
Topeka	3295	- 988
Heebner	3500	-1193
Toronto	3522	-1214
Lansing-K.C.	3538	-1230
Base-K.C.	3764	-1457
Arbuckle	3853	-1546
R.T.D.	3915	-1608

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1776	+531
Topeka	3291	-984
Heebner	3496	-1189
Toronto	3518	-1210
Lansing-K.C.	3534	-1226
Base-K.C.	3760	-1453
Arbuckle	3848	-1541
R.T.D.	3912	-1605

All samples were examined and described by me on actual location and did not start until a depth of 3300' was reached. All zones and sample tops examined are all true and accurate according to drillers' depth.

One foot drilling time was logged from a depth of 3250' to 3915', and all zones were examined by ten foot samples at a rotary depth of 3300' to 3550'. Five foot samples were examined from a rotary depth of 3550' to 3915'.

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Sample Description

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Following are the pertinent geological formations and all zones of subject well Miller-Lambert #13.

THE FOLLOWING ZONES WERE NOTED:

TOPEKA	3295-3320	Limestone – gray to tan, fine crystalline to dense lime, no inter porosity, no show of oil.
	3321-3225	Limestone – tan, fine crystalline, fair inter porosity with a fair show of oil stain, to free oil in pinpoint, fair odor.
DEERCREEK	3340-3380	Limestone – tan, fine crystalline to dense lime, poor inter porosity, no show of oil.
LECOMPTON	3400-3436	Limestone – tan to cream, fine crystalline to dense lime, chalky in part, poor inter porosity, no show of oil.
OREAD	3446-3472	Limestone – gray, buff and tan, fine crystalline to dense lime, white chert, fossiliferous, poor to no inter porosity, no show of oil.
	3482-3496	Limestone – cream to tan, fine crystalline, poor inter porosity with a trace show of heavy oil stain, no odor.
TORONTO	3522-3526	Limestone – cream to buff, very dense lime, poor to no inter porosity, no show of oil.
LANSING – K.C.		
(A-Zone)	3538-3547	Limestone – cream and white, fine crystalline to chalky, poor to no inter porosity.
(B-Zone)	3556-3562	Limestone – white, very fine crystalline to dense lime, cherty, poor to no porosity, no show of oil.

(C-Zone)	3576-3584	Limestone – same as above.
(D-Zone)	3593-3600	Limestone – buff to cream, fine crystalline to dense, poor to fair inter porosity with a small show of light oil stain, no odor.
(E-Zone)	3608-3610	Limestone – buff to cream, dense lime, no visible porosity, very small show of black heavy oil stain, no odor.
(F-Zone)	3612-3618	Limestone – cream, dense lime, scattered fine crystalline with a show of heavy black oil stain, fair to poor inter porosity, no odor.
(G-Zone)	3632-3650	Limestone – same as above.
(H-Zone)	3670-3678	Limestone – cream to white, dense to a scattered fine crystalline, poor inter porosity, very slight show of oil stain, no odor.
(I-Zone)	3695-3700	Limestone – cream to white, dense to a fine crystalline, poor inter porosity, small show of black oil stain, no odor.
(J-Zone)	3714-3720	Limestone – cream to white, very dense lime, poor to no inter porosity, very slight show of oil stain, no odor.
(K-Zone)	3731-3738	Limestone – white, fine crystalline to dense lime, tight poor inter porosity, small show of light to dark oil stain, no odor.
BASE – K.C.		
(L-Zone)	3754-3760	Limestone – same as above.
CHERTY CONGLOMERATE		
	3824-3838	Chert – orange Shale – gray and red
CONGLOMERATE SAND	3839-3842	Sand – clear, subrounded, medium grained, tight porosity, scattered show of light spotted free oil to black residual stain, no odor.

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ARBUCKLE

- 3850-3852 Dolomite – cream, fine to medium crystalline, fair to a tight porosity with a show of oil stain and odor.
- 3856-3860 Dolomite – cream to tan, fine to medium crystalline, fair inter porosity, show of vuggs, fair show of saturated stain with a good odor (pink dolomite).
- 3863-3872 Dolomite – same as above.
(Green Shale) surcrosic in part (scattered chert).
- 3876-3883 Dolomite – same as above with a heavier oil, fair odor.
- 3884-3900 Dolomite – cream, fine crystalline to dense, to a vuggular porosity, small show of oil, mostly water.
- 3901-3915 Dolomite – same as above.

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Remarks and Conclusion

During the drilling of the Miller-Lambert #13, the subject well ran structurally high in the Arbuckle and therefore it was recommended by the operator of Raney Oil Company, LLC to set production casing to further test the Miller-Lambert #13.

Respectfully submitted,



Duane Stecklein, Geologist

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