

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 32705  
Name: Raney Oil Company, LLC  
Address 1: 3425 Tam Oshanter Dr.  
Address 2: \_\_\_\_\_  
City: Lawrence State: KS Zip: 66047  
Contact Person: Thomas Raney  
Phone: ( 785 ) 749-0672  
CONTRACTOR: License # 5184  
Name: Shields Drilling  
Wellsite Geologist: Duane Stecklein  
Purchaser: Coffeyville Resources

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
2/15/11    2/20/11    2/27/11  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-163-23922-00-00  
Spot Description: NW SW SE  
NW SW SE Sec. 13 Twp. 10 S. R. 20  East  West  
990 Feet from  North /  South Line of Section  
1,650 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Rooks  
Lease Name: Sutor B Well #: 4  
Field Name: Marcotte  
Producing Formation: Arbuckle  
Elevation: Ground: 2195 Kelly Bushing: \_\_\_\_\_  
Total Depth: 3800 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 233 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1650 Feet  
If Alternate II completion, cement circulated from: 1650  
feet depth to: Surf. w/ 225 sx 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  
Location of fluid disposal if hauled offsite:  
Operator Name: NA  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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 slide 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.

**AFFIDAVIT**

I am the affiant and I hereby certify that 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: Thomas Raney, member Raney Oil, LLC  
6.6.11

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UTC Distribution  
At 2 - Dlg - 6/16/11 **RECEIVED**  
**JUN 08 2011**  
**KCC WICHITA**

Operator Name: Raney Oil Company, LLC Lease Name: Sutor B Well #: 4  
 Sec. 13 Twp. 10 S. R. 20  East  West County: Rooks

**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 complete copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"><input checked="" type="checkbox"/> Log</td> <td style="width:70%;">Formation (Top), Depth and Datum</td> <td style="width:20%;"><input type="checkbox"/> Sample</td> </tr> <tr> <td></td> <td style="text-align: center;">Name</td> <td style="text-align: center;">Top Datum</td> </tr> <tr> <td></td> <td>ANH</td> <td>1600 +600</td> </tr> <tr> <td></td> <td>BheebANH</td> <td>1640 +560</td> </tr> <tr> <td></td> <td>Heeb</td> <td>3403 -1199</td> </tr> <tr> <td></td> <td>LKC</td> <td>3437 -1237</td> </tr> <tr> <td></td> <td>RewArb</td> <td>3738 -1538</td> </tr> <tr> <td></td> <td>Arb</td> <td>3750 -1550</td> </tr> <tr> <td></td> <td>TD</td> <td>3798 -1598</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample		Name	Top Datum		ANH	1600 +600		BheebANH	1640 +560		Heeb	3403 -1199		LKC	3437 -1237		RewArb	3738 -1538		Arb	3750 -1550		TD	3798 -1598
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																										
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	Arb	3750 -1550																										
	TD	3798 -1598																										

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
Surface	12 1/4	8 5/8		233	Comm	160	3%cc, 2%gel
Production		5 1/2	14	3797	EA-2	175	

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3750-54	Perf.	3750-54

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>3770</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>3/1/11</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>20</u>	Gas Mcf <u>25</u> Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-1B.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL <u>3750-54 Perfs</u> <b>RECEIVED</b> <u>JUN 08 2011</u>
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**DUANE STECKLEIN**  
PETROLEUM GEOLOGIST  
579 280<sup>TH</sup> AVE.  
HAYS, KANSAS 67601  
785-432-2477

## **GEOLOGICAL REPORT**

**Raney Oil Company, LLC**  
Sutor "B" #4  
990' FSL & 1650' FEL  
NE-SW-SE  
SEC. 13 TWP. 10s RGE. 20w  
Rooks County, Kansas

**COMMENCED: 02/15/10**  
**COMPLETED: 02/20/10**  
**CONTRACTOR: Sheilds Drilling**  
**SURFACE PIPE: 8 ½ at 233'**  
**PRODUCTION PIPE: 5 ½ at 3797'**

**March 25, 2010**

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## Formation Data

Elevation: (2200' K.B.) - (2195' G.L.)  
All top formations measured from 2200' K.B.

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1609	+591
Anhydrite Base	1644	+556
Topeka	3196	-996
Heebner	3403	-1203
Toronto	3421	-1221
Lansing-K.C.	3440	-1240
Base-K.C.	3654	-1454
Conglomerate	3704	-1504
Reworked Arbuckle	3739	-1539
Arbuckle	3750	-1550
R.T.D.	3800	-1600

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1600	+600
Anhydrite Base	1640	+560
Topeka	3192	-992
Heebner	3399	-1199
Toronto	3422	-1222
Lansing-K.C.	3437	-1237
Base-K.C.	3647	-1447
Conglomerate	3698	-1498
Reworked Arbuckle	3738	-1538
Arbuckle	3750	-1550
R.T.D.	3798	-1598

All samples were examined and described by me on actual location and did not start until a depth of 3150' 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 3150' to 3800', and all zones were examined by ten foot samples at a rotary depth of 3150' to 3450'. Five foot samples were examined from a rotary depth of 3455' to 3800'.

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## Sample Description

Following are the pertinent geological formations and all zones of subject well Sutor "B" #4.

### THE FOLLOWING ZONES WERE NOTED:

TOPEKA	3196-3220	Limestone -- buff to cream, fine crystalline to no inter porosity, no show of oil.
	3222-3232	Limestone -- buff to cream, fine crystalline, very poor porosity to no inter porosity with a very small show of spotted oil, no odor.
DEER CREEK	3243-3285	Limestone -- cream, fine crystalline to dense and chalky in part, no inter porosity, no show of oil.
LECOMPTON	3306-3327	Limestone -- cream, fine crystalline, very dense, poor to no inter porosity, tight, no show of oil.
OREAD LIME	3347-3360	Limestone -- buff, dense lime, no inter porosity, poorly developed, no show of oil.
	3367-3373	Limestone -- white, fine to medium crystalline, fair inter porosity with a show of oil stain to free oil in pin point, odor when broken.
	3390-3402	Limestone -- white, dense to chalky, no visible porosity, no show of oil.
TORONTO	3421-3428	Limestone -- cream to white, dense to chalky, no inter porosity, no show of oil.
LANSING -- K.C. (A-Zone)	3440-3448	Limestone -- white, dense to cherty, no visible porosity, no show of oil.

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(B-Zone)	3457-3464	Limestone – white to cream, fine to dense lime, poor to no inter porosity, very small show of light oil stain, no odor.
(C-Zone)	3478-3485	Limestone – cream, fine to medium crystalline with a show of oil stain to free oil in part, slight odor, fair to poor inter porosity.
(D-Zone)	3494-3502	Limestone – white to cream, fine to medium crystalline in part, very slight show of oil stain, no odor, slightly chalky.
(F-Zone)	3516-3528	Limestone – white, fine to medium crystalline, poor inter porosity, show of light oil stain, no odor.
(G-Zone)	3532-3540	Limestone – white, chalky, fine crystalline to dense lime, cherty in part, very small show of oil stain, no odor.
(H-Zone)	3574-3586	Limestone – white, dense to chalky, no inter porosity, no show of oil.
(I-Zone)	3594-3598	Limestone – white, very fine crystalline with a slight show of oil stain, poor inter porosity, no odor.
(J-Zone)	3610-3619	Limestone – white, same as above.
(K-Zone)	3628-3640	Limestone – white, same as above (chalky).
(L-Zone)	3652-3654	Limestone – white, very dense and cherty, no show of oil.
CONGLOMERATE	3704-3738	Chert – white, black residual stain.
REWORKED ARBUCKLE	3739-3745	Weathered Dolomite – tan to cream, fine crystalline, very tight, show of oil stain, odor.
	3746-3750	Weathered Dolomite – same as above and simpson sand, sub rounded and friable, show of oil.


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ARBUCKLE	3751-3755	Dolomite – cream, fine to medium crystalline, tight to fair porosity, show of oil stain and free oil and odor.
	3756-3765	Dolomite – cream, fine to medium crystalline, fair inter porosity with a fair show of saturated oil stain to free oil, good odor.
	3766-3774	Dolomite – cream and pink, scattered show of oil stain, fair to poor porosity, slight odor.
	3775-3800	Dolomite – cream and pink, very scattered show of oil stains, fair to poor porosity, slight odor.

## Remarks and Conclusion

The oil shows that were encountered in the Arbuckle Dolomite and because of the position of the Arbuckle Dolomite; the operator of Raney Oil Company decided to set production casing to further test the Sutor "B" #4.

Respectfully submitted,



Duane Stecklein, Geologist

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# ALLIED CEMENTING CO., LLC. 034103

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

SERVICE POINT:

Russell

DATE <u>2-15-2011</u>	SEC. <u>13</u>	TWP. <u>10 S</u>	RANGE <u>20 W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00am</u>	JOB FINISH <u>9:30</u>
LEASE <u>S4 TOP</u>	WELL # <u>B-4</u>	LOCATION <u>Zurich Ks. 3 W 4 S</u>				COUNTY <u>Rock</u>	STATE <u>KANSAS</u>
OLD OR NEW (Circle one)		<u>1/2 W 1/4 N 1/4</u>					

CONTRACTOR Shield's D&G Rig #1

TYPE OF JOB Cement SURFACE

HOLE SIZE 12 1/4 T.D. 236

CASING SIZE 8 5/8 New DEPTH 233

TUBING SIZE #CSG DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 14 / BBL

OWNER

CEMENT

AMOUNT ORDERED 160 sq. Com.

3% cc

2% gel

COMMON	<u>160</u>	@ <u>12.50</u>	<u>2160.00</u>
POZMIX		@	
GEL	<u>5</u>	@ <u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@ <u>51.50</u>	<u>257.50</u>
ASC		@	

EQUIPMENT

PUMP TRUCK CEMENTER Glenn

# 398 HELPER Ron

BULK TRUCK

# 481 DRIVER Tony - Nick

BULK TRUCK

# DRIVER

HANDLING	<u>160</u>	@ <u>2.25</u>	<u>360.00</u>
MILEAGE	<u>110/1/10</u>		<u>800.00</u>
TOTAL			<u>3638.4</u>

REMARKS:

Ron S. New 5T's 8 5/8 20# CSG.

Set @

Cement of 160 sq, Release Plug,

+ Displace BBL H2O.

SHUT IN @ 300 #.

Cement did Circulate!

THANK'S

CHARGE TO: Raney Oil Company LLC

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>996.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>50</u>	@ <u>7.00</u>	<u>350.00</u>
MANIFOLD		@	
RECEIVED		@	

JUN 08 2011

TOTAL 1296.00

KCC WICHITA  
PLUG & FLOAT EQUIPMENT

8 5/8 WOODEN WIPER PLUG N-2

@

@



**JOB LOG**

**SWIFT Services, Inc.**

DATE 02-20-11 PAGE 1  
 TICKET NO. 19603

CUSTOMER Randy Oil WELL NO. 4 LEASE Section 8 JOB TYPE LONGSTRING

CHART NO.	TIME	RATE (GPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							ON LOCATION CMT: 175.00 STD EA-2 RY 1200 SET PER 175 STD. PA TRACUT 5/2 1406 POLYGLYCOL - 70 #56 163 PT CMT 5, 9, 12, 15, 18, 55 BARON 4, 56 TRACUT 2, 7
	2130							START BLEND TOL. BLEND - DRUGS BLENDING IN TANK FOR PLUG PH 32, PH 15
	0030	5.5	12		-		200	MANUFURSH JDOCK
		}	20		-		}	K4 FUDR
			33		-			EA-2 CMT 7 - 130 SWS
	0045	6.5	0		-		200	START DRUG
		}	59.5		-		200	CMT ON SYSTEM
			80		-		500	
			25.0		-		600	
			50.0		-		700	
	0100		92.0		-		1400	LAND PLUG RELEASE - 100
	0130							JOB COMPLETE  THANK YOU! Dave Jones

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# ALLIED CEMENTING CO., LLC. 034156

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

SERVICE POINT:

Russell

DATE <u>2/25/11</u>	SEC <u>19</u>	TWP <u>10</u>	RANGE <u>20W</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00 PM</u>	JOB FINISH <u>1:30 PM</u>
EASE <u>Sub B</u>	WELL # <u>4</u>	LOCATION <u>Plainville S to ARD</u>			COUNTY <u>Rankin</u>	STATE <u>Ks.</u>	
OLD OR NEW (Circle one)			<u>11 W 15 1/2 W N1/4</u>				

CONTRACTOR PCS Well Service  
 TYPE OF JOB RC Circulate Cement  
 HOLE SIZE 2 1/2 T.D.  
 CASING SIZE 5 1/2 DEPTH 3296  
 TUBING SIZE 2 3/8 DEPTH 1650  
 DRILL PIPE DEPTH  
 JOINT COLLAR DEPTH 1650'  
 RES. MAX MINIMUM  
 LEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 ERFS.  
 DISPLACEMENT 8.5 bbl

OWNER  
 CEMENT  
 AMOUNT ORDERED 225 Cu. Yds. 44% H.C.

EQUIPMENT  
 PUMP TRUCK CEMENTER Shane  
417 HELPER Ron, B.  
 BULK TRUCK  
481 DRIVER Nick + Todd  
 BULK TRUCK  
 DRIVER

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>Lite 225</u>	@	<u>11.85</u>	<u>2666.2</u>
<u>Fl. Seal 56 #</u>	@	<u>2.45</u>	<u>127.2</u>
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING <u>225</u>	@	<u>2.25</u>	<u>506.25</u>
MILEAGE <u>10.5 hrs/mile</u>			<u>450.00</u>
TOTAL			<u>3759.2</u>

REMARKS:  
RC @ 1650' Tested tools to loops.  
Order 225 yds to Circulate Cement.  
Displaced R. 5 bbls. Closed Bot Collar  
Tested to 1000 psi. Released + Ran  
5 yds. worked clean.  
Care out of H.C.

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE	@		
MILEAGE <u>20</u>	@	<u>71.00</u>	<u>140.00</u>
MANIFOLD	@		
	@		
	@		
TOTAL			<u>1131.00</u>

CHARGE TO: Roney Oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

*Shane*