

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 007-22575 0000

ORIGINAL

County Barber County, Kansas

C-N/2 S/2 S/2 Sec. 36 Twp. 34 Rge. 12 XX ^E _W

990 Feet from (S)W (circle one) Line of Section

2640 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Wetz Well # 2

Field Name Stranathan

Producing Formation Miss

Elevation: Ground 1423 KB 1431

Total Depth 5304 PBTD 4850

Amount of Surface Pipe Set and Cemented at 220 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH-1, 11-18-98, U.C.
(Data must be collected from the Reserve Pit)

Chloride content 19,000 ppm Fluid volume 700 bbls

Dewatering method used hauled

Location of fluid disposal if hauled offsite: _____

Operator Name Bowers Drilling

Lease Name Cole License No. 5435

NW/4 Quarter Sec. 25 Twp. 32 S Rng. 12 (E)W

County Barber Docket No. D-19886

Operator: License # 31523

Name: Raney Oil Company

Address 3425 Tam O'Shanter

City/State/Zip Lawrence Kansas 66047

Purchaser: _____

Operator Contact Person: Thomas Raney

Phone (785 749-0672)

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Roger Welty

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Corringled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

08-10-98 08-18-98 08-19-98

Spud Date Date Reached TD Completion Date

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 on 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 Fu TC

Title owner Date 10/10/98

Subscribed and sworn to before me this 10th day of October, 1998.

Notary Public Barbara DeLong

Date Commission Expires April 4, 2000

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

Operator Name Raney Oil Company

Lease Name Wetz

Well # 2

Sec. 36 Twp. 34S Rge. 12

East

County Barber County, Kansas

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:

Dual Induction
Compensated Density
Correlation/Bond

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
LKC	4354	-2923
BKC	4595	-3164
Cherokee Sh	4727	-3296
Miss	4776	-3344
Simp	5298	-3867
TD	5303	-3872

CASING RECORD

New 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"	20#	220'	60/40 Poz	150	3%cc 2%gel
Production	7-7/8"	4-1/2"	11.6#	5279'	lite & ASC	25 & 125	

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	4807-13	600 gal, 15% NEDSFE Frac w/20,000 gal 30# linear gel & 25,000# sand

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	4884		

Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
9-4-98	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	12	20	47		23

Disposition of Gas: METHOD OF COMPLETION

Production Interval 4807-13

Vented Sold Used on Lease
(If vented, submit ACO-1B.)

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

15-007-22575-0000

ALLIED CEMENTING CO., INC. 9753

Federal Tax I.D.# 48-0727860

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

ORIGINAL SERVICE POINT: med. lodges, ks

DATE <u>8-10-98</u>	SEC. <u>3/4</u>	TWP. <u>34s</u>	RANGE <u>12W</u>	CALLED OUT <u>4:30 P.M.</u>	ON LOCATION <u>5:30 P.M.</u>	JOB START <u>7:30 P.M.</u>	JOB FINISH <u>8:30 P.M.</u>
LEASE <u>Wet</u>		WELL # <u>2</u>	LOCATION <u>2840 Driftwood RD, 1/2 mi</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1/4 E 1/4 S/E</u>				

CONTRACTOR Duke Drh. Co.
 TYPE OF JOB surface (sq.)
 HOLE SIZE 1 7/8 TD. 219
 CASING SIZE 2 5/8 x 24" DEPTH 219
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15' By Request
 PERFS. _____
 DISPLACEMENT 1 3/4 Bbls Fresh H₂O

OWNER Raney Oil Co.
 CEMENT
 AMOUNT ORDERED 150 SXS CLASS A
60/140 1.3% CACL₂ + 2% Gel
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Arroy Drilling
 # 255-265 HELPER Shane Winsor
 BULK TRUCK
 # 242 DRIVER John Kelley
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Pipe on Bottom - Break Circ.
m.v. + Pump 150 SXS CLASS A +
3% CACL₂ + 2% Gel Cement Tr.
Stop Pumps. Release Plug.
Pump + Displace Plug w/ 1 3/4 Bbls
Fresh H₂O. Stop Pumps. Shut In
Cement Circ to surface.

	TOTAL	
SERVICE	10-19-98	RECEIVED KANSAS CORE CORP. OCT 19 1998
DEPTH OF JOB <u>219</u>	10-19-98	
PUMP TRUCK CHARGE _____	10-19-98	
EXTRA FOOTAGE _____ @ _____	10-19-98	
MILEAGE _____ @ _____	10-19-98	
PLUG <u>wood 2 5/8</u>	10-19-98	
_____ @ _____	10-19-98	
_____ @ _____	10-19-98	

TOTAL _____

CHARGE TO: Duke Drh. Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

15-007-22575-0000

ALLIED CEMENTING CO., INC. 9753

Federal Tax I.D.# 48-0727860

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

ORIGINAL

SERVICE POINT: med. lodge, ks

DATE <u>2-10-98</u>	SEC. <u>3/4</u>	TWP. <u>34S</u>	RANGE <u>12W</u>	CALLED OUT <u>4:30 P.M.</u>	ON LOCATION <u>5:30 P.M.</u>	JOB START <u>7:30 P.M.</u>	JOB FINISH <u>8:30 P.M.</u>	
LEASE <u>Wet 2</u>			WELL# <u>2</u>		LOCATION <u>2814 Dr. ft. wood rd. 1/2 in</u>		COUNTY <u>Barber</u>	
OLD OR <u>NEW</u> (Circle one)			1/4 E 1/4 S/E					STATE <u>KS</u>

CONTRACTOR Duke Drilling Co.
 TYPE OF JOB surface
 HOLE SIZE 1 7/8 T.D. 220
 CASING SIZE 2 5/8 x 24" DEPTH 219
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15' By Request
 PERFS. _____
 DISPLACEMENT 1 3/4 Blts Fresh H₂O

OWNER Raney Oil Co.
 CEMENT
 AMOUNT ORDERED 150 SXS CLASS A
60/140 1.3%¹ ACL² + 2% Gel

COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
_____	@
_____	@
_____	@
_____	@
_____	@
_____	@
HANDLING	@
MILEAGE	@

EQUIPMENT

PUMP TRUCK CEMENTER Arroy Drilling
 # 255-265 HELPER Shane Winsor
 BULK TRUCK
 # 242 DRIVER John Kelley
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Pipe on Bottom - Break Circ.
mix + Pump 150 SXS CLASS A +
3% ACL² + 2% Gel Cement In.
Stop Pumps. Release Plug
Pump + Displace Plug w/ 1 3/4 Blts
Fresh H₂O. Stop Pumps. Shut In
Cement Circ to surface

	TOTAL _____
SERVICE	
DEPTH OF JOB <u>219</u>	
PUMP TRUCK CHARGE _____	
EXTRA FOOTAGE _____ @	
MILEAGE _____ @	
PLUG wood <u>8 5/8</u> @	
_____ @	
_____ @	
TOTAL	_____

RECEIVED
 MSAS CO. INC.
 OCT 19 1998
 6-19-98

CHARGE TO: Duke Drilling Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____	@
_____	@
_____	@
_____	@
_____	@

ALLIED CEMENTING CO., INC. 9758

Federal Tax I.D.# 48-0727860

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

ORIGINAL SERVICE POINT: med. lodges.

DATE 8-19-98	SEC. 36	TWP 3 1/2	RANGE 12W	CALLED OUT 2:00 P.M.	ON LOCATION 5:30 P.M.	JOB START 9:00 P.M.	JOB FINISH 12:00 A.M.
LEASE Wetz	WELL # 2	LOCATION 281 + Driftwood RD. 1/2 - 1/2 n			COUNTY Barber	STATE Ks.	
OLD OR (NEW) (Circle one)			1/2 E - 1/2 3/4 E				

CONTRACTOR Duke Drq.
 TYPE OF JOB Prod. Csg.
 HOLE SIZE 7 7/8 T.D. 5304'
 CASING SIZE 4 1/2 x 11.60 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 x hole DEPTH 5304'
 TOOL DEPTH
 PRES. MAX 1400 MINIMUM 250
 MEAS. LINE SHOE JOINT 42.45
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 81 3/4 Bbls Fresh H₂O
 EQUIPMENT

OWNER Raney Oil Co.
 CEMENT
 AMOUNT ORDERED 50885 ALW 1/4" Fl Seal
12555 CLASS A + ASC + 7% Col Seal + 25% C.D. 31, 20 Bbls Slat Flush + 500 gals. mud-Clean

PUMP TRUCK # 343 CEMENTER Harry Dreiling
 # 343 HELPER Justin Hart
 BULK TRUCK # 240-250 DRIVER James Holt
 BULK TRUCK # DRIVER

COMMON	@		
2000 MUD-CLEAN 873#	@	.38	312.74
MUD-CLEAN 500	@	.75	375.00
CHLORIDE	@		
ASC 125	@	8.20	1025.00
ALW 50	@	5.55	277.50
FLD-SEAL 12#	@	1.15	13.80
CD-31 70#	@	4.45	311.50
SALT 10	@	7.00	70.00
HANDLING 175	@	1.05	183.75
MILEAGE 175 x 17		.04	119.00

TOTAL # 2688.29
 RECEIVED
 KANSAS CORP. OCT 19 10 21 AM '98

REMARKS:

Pipe on Bottom - Break Circ + Rotate
 mix + Pump 20 Bbls. Slat Flush - 500 gals
 mud-Clean Plug Rathole 15555 ALW
 mousehole 10555 Cement 25555 ALW
 + 1/4" Fl Seal 12555 CLASS A - ASC + 7%
 Col Seal + 25% C.D. 31. Washout Pump
 Lines. Pump + Displace Plug w/ 81 3/4 Bbls
 Pump Plug Release PST. Float Held.

SERVICE

DEPTH OF JOB 5278'			
PUMP TRUCK CHARGE			1080.00
EXTRA FOOTAGE	@		
MILEAGE 17	@	2.85	484.5
PLUG Rubber 4 1/2"	@	38.00	38.00
	@		
	@		

TOTAL # 1166.45

CHARGE TO: Raney Oil Co.
 STREET 3425 TAM O'SHANTER
 CITY LAWRENCE STATE KANSAS ZIP 66047

FLOAT EQUIPMENT

1-AFD Flapper Insert	@	150.00	150.00
1-Req. Guide Shoe	@	90.00	90.00
8-Tabor Centerizers	@	25.00	200.00
	@		

ALLIED CEMENTING CO., INC.

9758

Federal Tax I.D.# 48-0727860

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

ORIGINAL

SERVICE POINT:

med. lodgers.

DATE <u>8-19-98</u>	SEC. <u>36</u>	TWP. <u>3 1/2</u>	RANGE <u>12W</u>	CALLED OUT <u>2:00 P.M.</u>	ON LOCATION <u>5:30 P.M.</u>	JOB START <u>9:00 P.M.</u>	JOB FINISH <u>12:00 A.M.</u>
LEASE <u>Wetz</u>	WELL # <u>2</u>	LOCATION <u>2814 Driftwood RD. 1/2 - 1/2 N</u>		COUNTY <u>Barber</u>	STATE <u>Ks.</u>		
OLD OR <u>(NEW)</u> (Circle one)		<u>1/2 E - 1/2 S E</u>					

CONTRACTOR Duke Drilling
 TYPE OF JOB Prod. Csg.
 HOLE SIZE 7 7/8 T.D. 5304'
 CASING SIZE 4 1/2 x 11.60 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 x hole DEPTH 5304'
 TOOL DEPTH
 PRES. MAX 1400 MINIMUM 250
 MEAS. LINE SHOE JOINT 40.45
 CEMENT LEFT IN CSG.

OWNER Raney Oil Co.
 CEMENT
 AMOUNT ORDERED 50BS ALL 1/4" Fl Seal
125SS CLASS A + Asc + 7% Kol Seal + 75%
CD-31, 20BS Slt Flush + 500gals. mud-Clean

PERFS.
 DISPLACEMENT 8 1/4 Bds Fresh H₂O
 EQUIPMENT

COMMON	@		
NO-SAL <u>823#</u>	@	<u>.38</u>	<u>312.74</u>
MUD CLEAN <u>500</u>	@	<u>.75</u>	<u>375.00</u>
CHLORIDE	@		
<u>ASC 125</u>	@	<u>8.20</u>	<u>1025.00</u>
<u>ALL 50</u>	@	<u>5.55</u>	<u>277.50</u>
<u>FLD-SEAL 12#</u>	@	<u>1.15</u>	<u>13.80</u>
<u>CD-31 70#</u>	@	<u>4.45</u>	<u>311.50</u>
<u>SALT 10</u>	@	<u>7.00</u>	<u>70.00</u>
HANDLING <u>175</u>	@	<u>1.05</u>	<u>183.75</u>
MILEAGE <u>175 x 17</u>		<u>.04</u>	<u>119.00</u>

PUMP TRUCK CEMENTER Harry Drilling
 # 343 HELPER Justin Hart
 BULK TRUCK
 # 240-250 DRIVER James Holt
 BULK TRUCK
 # DRIVER

TOTAL # 2688.29
 RECEIVED
 AS CORP. OFF.
 OCT 19 1998

REMARKS:

Pipe on Bottom - Break Circ + Rotate
mix + Pump 20BS Slt Flush - 500gals
mud-Clean Plug Pathhole 155SS ALL 1/2
mousehole 105SS Cement + 255SS ALL
+ 1/4" Fl-Seal 125SS CLASS A - Asc + 7%
Kol-Seal + 75% CD-31. Washout Pump
Lines. Pump Displace Plug by 8 1/4 Bds
Pump Plug Release PST. Float Held.

SERVICE

DEPTH OF JOB <u>5278'</u>		
PUMP TRUCK CHARGE		<u>1080.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>17</u>	@	<u>2.85</u> <u>484.5</u>
PLUG Rubber <u>1 1/2"</u>	@	<u>38.00</u> <u>38.00</u>
	@	
	@	

TOTAL # 1166.45

CHARGE TO: Raney Oil Co.
 STREET 3425 TAM O'SHANTER
 CITY LAWRENCE STATE KANSAS ZIP 66047

FLOAT EQUIPMENT

<u>1-AFD Flapper Insert</u>	@	<u>150.00</u>	<u>150.00</u>
<u>1-Req. Guide Shoe</u>	@	<u>90.00</u>	<u>90.00</u>
<u>8-Tubro Centerlizers</u>	@	<u>25.00</u>	<u>200.00</u>
	@		
	@		