

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt. PL

SIDE ONE

(Rules 82-3-130 and 82-3-107)

State Geological Survey

DOCKET NO. NP

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

F Letter requesting confidentiality attached.

C Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 8932 EXPIRATION DATE April 1984

OPERATOR Apache Corporation API NO. 15-163-22,235

ADDRESS 1660 Lincoln St. #2300 COUNTY Rooks

Denver, CO 80264 FIELD Riffe

** CONTACT PERSON Raymond C. Kersey PROD. FORMATION Arbuckle
PHONE (303) 861-1751 Indicate if new pay.

PURCHASER Farmland Industries LEASE Randolph

ADDRESS POB 7305 WELL NO. 10

Kansas City, MO 64116 WELL LOCATION SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$

DRILLING Ranger Drilling Company, Inc. 2310 Ft. from West Line and

CONTRACTOR 1650 Ft. from South Line of (X)
ADDRESS POB 856 the NW (Qtr.) SEC 20 TWP 7S RGE 17 (W).

Hays, Kansas 67601 License #6324

PLUGGING Same as above WELL PLAT (Office Use Only)
CONTRACTOR KCC ☒
ADDRESS KGS ☒

TOTAL DEPTH 3320' PBTD 3278'

SPUD DATE 12/8/83 DATE COMPLETED 1/11/84

ELEV: GR 1729' DF KB 1734'

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE

Amount of surface pipe set and cemented 1166' DV Tool Used? NO

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
No Stimulation	

Date of first production <u>1/11/84</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>	Gravity <u>25.8</u>
Estimated Production-L.P. <u>46</u>	Oil <u> </u> Gas <u> </u> Water <u>74</u> % <u>131</u> bbls.	Gas-oil ratio <u> </u> CFPB

Disposition of gas (vented, used on lease or sold)

Arbuckle 3255-3260'
Perforations

WTF-5-06

ACO-1. Well History

Side TWO

OPERATOR Apache LEASE NAME Randolph SEC 20 TWP 7 S RGE 17 (E)
WELL NO 10 (W)

FILL IN WELL INFORMATION AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Show Geological markers, logs run, or other Descriptive information.

Formation description, contents, etc.	Top	Bottom	Name	Depth
<p>Check if no Drill Stem Tests Run.</p> <p>Check if samples sent Geological Survey.</p> <p>DST #1 - Misrun</p> <p>DST #2 Interval Tested: 3257-3269'</p> <p>Arbuckle Formation</p> <p>15/30/30/60</p> <p>Drill Pipe Recovery:</p> <p>360' free oil</p> <p>1020' Oil cut water - 40% oil</p> <p>780' oil cut water - 20%</p> <p>Drill Collar:</p> <p>300' oil cut water - 3%</p> <p>IF 1842</p> <p>IO 60/863</p> <p>ISI 1108</p> <p>FO 961/1108</p> <p>FSI 1108</p> <p>FH 1832</p>			<p>Anhydrite</p> <p>Topeka</p> <p>Heebner</p> <p>Lansing/KC</p> <p>Base KC</p> <p>Simpson Sd</p> <p>Arbuckle</p> <p>Total Depth</p>	<p>E log</p> <p>1150</p> <p>2661</p> <p>2872</p> <p>2918</p> <p>3148</p> <p>3243</p> <p>3256</p> <p>3320</p>
If additional space is needed use Page 2				

Report of all strings set — surface, intermediate, production, etc.

CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface		8 5/8"	23	1166'	150 sx 60/40 250 common	400	2% gel 3% CaCl
Production	7 7/8"	5 1/2"	15.5	3319'	Common	150	4% gel, 6% Calsea 75% CaCl

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			4 JSPF	4" casing gun	3255-3260'
Size	Setting depth	Packer set at			
2 7/8"	3237'				

The person who can be reached by phone regarding any questions concerning this information.

State Geological Survey
WICHITA BRANCH

20-7-17W *pl*
and

APACHE CORP

RIFFE PROSPECT
#10 Randolph
SE NE NW Sec 20-7S-17W
Rooks County, Kansas

El: 1729' Gr
1734' KB

Contr: Ranger Drilling
PTD: 3400' (Arbuckle)

RECEIVED
STATE CORPORATION COMMISSION
JAN 11 1984
CONSERVATION DIVISION
Wichita, Kansas

12/8/83 Spudded 3:30 p.m.
12/9/83 PTD 604', TIH w/ bit. Mud wt 11.8, visc 46. 3/4" dev @ 604'.
Cum cost \$6812.
12/10/83 PTD 1166', WOC. Mud wt 12.3, visc 49. 1 1/4" dev @ 1166'.
Ran 28 jts 8-5/8" set @ 1165' w/ 250 sx 60-40 Poz, 250 sx common. Good
returns. Circ 100 sx. PD 10:18 p.m. 12/9/83.
12/11/83 Drlg 1883', sh. Progress 717'. Mud wt 8.6, visc 27. Cum cost \$30,343.
12/12/83 Drlg 2635', sh & ls. Progress 752'. Mud wt 8.5, visc 28.
Cum cost \$36,107.
12/13/83 Drlg 2935', Lansing-KC. Progress 300'. Mud wt 9.7, visc 39, WL 6.4
1/4" dev @ 2874'. Cum cost \$40,682.
12/14/83 PTD 3254', circ for samples. Progress 319'. Mud wt 10.4, visc 43, WL 10.4
Cum cost \$44,514.
12/15/83 PTD 3269', Arbuckle. Circ samples @ 3254', 3259', 3264'.
DST #1 3257-3264'. Op 15 min, SI 30, Op 30, SI 60. IO: 5" initial & re-
mained. FO: No blow, waited 10 min, cycled tool. Small blow remained
throughout. Rec 120' sl OCM. TOOL PLUGGED. MISRUN.
Now running DST #2 3257-3269'. Cum cost \$49,426.
12/16/83 TD 3320', Running logs. Mud wt 10, visc 43, WL 12.4
DST #2, 3269-3257', Arbuckle. Op 15 min, SI 30, Op 30, SI 60. Initial Op:
BOB immed.; Final Op: BOB immed; final 5 min weaker as hydrostatic increased.
Rec 1020' OCW, 40% oil, 360' free oil, 780' OCW, 20% oil by grind out, 300'
OCW, 3% oil in DC. 25.8° API. IHP 1842, ISIP 1108, IFP 60, 863;
FFP 961, 1108; FSIP 1108, FHP 1832. BHT 112° F.
Cum cost \$55,794.
12/17/83 TD 3320'. Ran 82 jts 5 1/2" csg, set @ 3319' w/ 150 sx. Good returns.
PD 6:20 p.m. 12/16/83. Rig released 7:00 p.m. 12/16/83.
WOCU. WILL DISCONTINUE REPORTS UNTIL COMPLETION UNIT ON LOCATION.