

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

Compt. _____

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

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 # 5208 EXPIRATION DATE 6/30/84
 OPERATOR Mobil Oil Corporation API NO. 15-189-20597-00-00
 ADDRESS P. O. Box 5444 COUNTY Stevens
Denver, CO 80217 FIELD Panoma
 ** CONTACT PERSON C. J. Park, Prod. Acctg. Supv. PROD. FORMATION Council Grove
 PHONE 303/298-2696
 PURCHASER Northern Natural Gas Company LEASE Bissitt #1 Farm
 ADDRESS 2223 Dodge Street WELL NO. 2
Omaha, Nebraska 68102 WELL LOCATION _____
Earl F. Wakefield, Inc. 1250 Ft. from North Line and
 DRILLING CONTRACTOR ADDRESS 300 W. Douglas, Suite 500 1250 Ft. from West Line of
Wichita, KS 67202 the (Qtr.) SEC 32 TWP 33S RGE 36W (W).

PLUGGING _____
 CONTRACTOR _____
 ADDRESS _____

TOTAL DEPTH 3215' PBDT *3067'
 SPUD DATE 8/23/82 DATE COMPLETED *9/16/82
 ELEV: GR 3097.4' DF _____ KB 3105.4'

DRILLED WITH ~~(CABLE)~~ (ROTARY) ~~(AIR)~~ TOOLS.
 DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE CD-117710
(G-19,203)

Amount of surface pipe set and cemented 711' DV Tool Used? No

TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Shut-in Gas, Gas, Dry, Disposal, Injection, Temporarily Abandoned. If OWWO, indicate type of re-completion _____. Other completion To shut off Thief Zone NGPA filing _____ & frac/treat C. Grove Formation

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

A F F I D A V I T

W. R. Ross

_____, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

W. R. Ross
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 4 day of April, 1984.

MY COMMISSION EXPIRES: 11-28-84

Judith R. Olsen
(NOTARY PUBLIC)

RECEIVED
 STATE CORPORATION COMMISSION
 APR 9 1984
 4-9-84
 CONSERVATION DIVISION
 Wichita, Kansas

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

SIDE TWO
OPERATOR

Mobil Oil Corporation

LEASE Bissitt #1 Farm SEC. 32 TWP. 33S RGE. 36W (W)

ACO-1 WELL HISTORY

FILL IN WELL INFORMATION AS REQUIRED:

WELL NO. 2

Show all important zones of permeability 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
<input checked="" type="checkbox"/> <u>XX</u> Check if no Drill Stem Tests Run. <input type="checkbox"/> Check if samples sent to Geological Survey				
Surface sand-clay	0	655		
Red Bed	655	711		
Red Bed-Shale	711	1220		
Sand	1220	1435		
Shale & Gyp (anhydrite @ 1775')	1435	1845		
Shale	1845	2310		
Shale & Lime	2310	2515		
Lime & Shale	2515	3215		
R.T.D.	3215	3215		
** See attached sheet for description of well workover procedures 1) Fracture Treat Council Grove Formation 2) To shut-off Thief Zone.				
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	12 1/4"	8 5/8"	24#	711'	Class H	150	12% gel, 3% CaCl ₂ 3% CaCl ₂
Production	7 7/8"	5 1/2"	14#	3215'	Class H	580	65-35 poz, 6% salt + .2% D-46

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		3029-31, **
TUBING RECORD					3038-42, 3048-51, 3054-58
Size	Setting depth	Pecker set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
Acidized down 5 1/2" casing w/3750 gal. of L401 acid + additives w/75 ball sealers.		
Date of first production		Producing method (flowing, pumping, gas lift, etc.)
		Gravity
Estimated Production -I.P.	Oil	Gas
	bbbls.	MCF
Disposition of gas (vented, used on lease or sold)		Perforations (See above)

OPERATOR Mobil Oil Corporation LEASE NAME Bissitt #1 Farm SEC. 32 TWP. 33SRGE. 36W (W)

FILL IN WELL LOG AS REQUIRED: WELL NO. 2

Show all important zones of porosity and contents thereof; cased 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
<u>WELL WORKOVER PROCEDURES</u>				
1) Fracture treat Council Grove Formation				
2) To shut off Thief Zone				
1) Fracture treat Council Grove Formation:				
Saturday 10/15/ - Patrick Well Service rigged up.				
Monday 10/17 - Halliburton rigged up. Halliburton fracture treated w/40,000 gals. gelled H ₂ O and 78,000# 20/40 sand. Max pressure - 1200 psi, min. pressure - 850 psi, avg. pressure - 1050 psi, avg. rate 32 BPD. SION				
Tuesday 10/18 and Wednesday 10/19 - Swabbing back the load. Ran tubing, pump and rods. POP.				
2) To shut off Thief Zone:				
Thursday 10/6 - Patrick Well Service rigged up. Ran Halliburton cement retainer on 2 3/8" tubing. Set retainer at 3095'. Pressure tested tubing to 1000 psi. Held O.K. Squeezed through retainer w/50 sax of class H cement. Took cement at 1 BPM on vac. (blow on annulus). Resqueezed w/50 sax of class H cement at 1/2 BPM on vac. (vac. on annulus). Dumped 10 bbls. of water down annulus. Pulled up 10 joints. SION.				
Friday, 10/7 - Tried to sting back into retainer, but 10' of cement was on top of retainer. Tried to circulate, would not circulate. Pulled tubing. Ran another Halliburton cement retainer. Set retainer at 3004'. Pressured annulus to 550 psi. Pumped down tubing to get an injection rate. Formation taking the fluid at 3 BPM and tubing would not load. Squeezed Council Grove w/100 sax of Thixotropic cement, followed by 100 sax of Class H cement. With all but 1 1/2 bbls. of cement below retainer, Halliburton stopped pumping to let Thixotropic set up. After 2 min. tried to pump the rest of the cement, but would not pump. Squeeze held at 700 psi. Pulled out of retainer and circulated cement out of the tubing. Pulled up tubing 10 jts. SION.				
Monday, 10/10 - Tried to sting into retainer but could not. Pulled tubing. Dunnam Drilling Co. rigged up. Ran 2 3/8" tubing w/4 collars, casing scrapers and 4 7/8" bit. Drilled out to 3085'. Pressure tested casing to 1000 psi. Held O.K. Pulled tubing. SION.				
Tuesday, 10/11 - Swabbed fluid down to 2800'. McCullough rigged up and checked TD, PBD = 3067'. McCullough perforated 3029-31', 3038-42', 3048-54', and 3054-58' w/3 SPF in 2 trips. Swabbed hole dry. Halliburton acidized w/3000 gal. of MOD 202 using 65 perf balls. Did not ball off. Knocked balls off, flushed w/100 bbls. of water. Shut down for one hour. Fluid level at 2000'. Started swabbing back load. SION.				
Wednesday, 10/12 - Continued to swab	Rigged	down.		