

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt. \_\_\_\_\_

SIDE ONE

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

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 # 5208 Mobil Oil Corporation EXPIRATION DATE 6/30/84

OPERATOR P. O. Box 5444 API NO. 15-189-20,586-0000

ADDRESS Denver, CO 80217 COUNTY Stevens

C. J. Park, Prod. Acctg. Supv. FIELD unspaced W.C.

\*\* CONTACT PERSON PHONE 303/298-2696 PROD. FORMATION Morrow

PURCHASER Northern Natural Gas Company LEASE R. Crawford Unit

ADDRESS 2223 Dodge Street WELL NO. 3

Omaha, Nebraska 68102 WELL LOCATION E/2 W/2

Johnson Drilling Co., Inc. 2640 Ft. from South Line and

DRILLING CONTRACTOR ADDRESS 3535 N.W. 58th Street, Suite 710 1870 Ft. from West Line of

Oklahoma City, OK 73112 the (Qtr.) SEC 30 TWP 32S RGE 37W(W).

PLUGGING CONTRACTOR ADDRESS \_\_\_\_\_

TOTAL DEPTH 6280' PBDT 6180'

SPUD DATE 8/3/82 DATE COMPLETED 5/14/83

ELEV: GR 3160' DF \_\_\_\_\_ KB 3173'

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

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE CD-117710

(C-19203) Amount of surface pipe set and cemented 1766' 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 \_\_\_\_\_ NGPA filing \_\_\_\_\_

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

C. J. Park

A F F I D A V I T

\_\_\_\_\_, 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.

C. J. Park  
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 5<sup>TH</sup> day of August, 1983.

Judith R. Olsen  
(NOTARY PUBLIC)

MY COMMISSION EXPIRES: 11-28-84

RECEIVED  
STATE CORPORATION COMMISSION

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

2118 1 11 1983

WICHITA, KANSAS

Side TWO Mobil Oil Corporation OPERATOR  
 LEASE NAME R. Crawford SEC 30 TWP 32S RGE 37W (W)

WELL NO 3

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
<input checked="" type="checkbox"/> Check if no Drill Stem Tests Run.				
<input type="checkbox"/> Check if samples sent Geological Survey.				
Surface, clay & sand	0	300	Winfield	2640
Sand & redbed	300	602	Council Grove	2885
Redbed, sand & shale	602	1756	Lansing	4164
Anhydrite	1756	1761	Cherokee	5128
Shale	1766	2400	Morrow	5678
Lime & shale	2400	6280	Chester	6084
			T.D.	6280

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"	9 5/8"	36#	1766'	Class H	485	12% gel, 3% CaCl <sub>2</sub>
Production	8 3/4"	5 1/2"	15.5#	6280'	Class H	755	10% salt, 2% defoamer 1/4#/sk floccle

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft. 2 shots/ft.	Size & type	Depth interval
					6015-6018, 6025-6028, 6030-6032, 6034-6052

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	6106'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
See attached sheet for acid/frac record for this well.	6015-6052

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
Awaiting Pipeline connection	Gravity
Estimated Production-I.P.	Oil
	Gas
	Water
	Gas-oil ratio
Disposition of gas (vented, used on lease or sold)	
Awaiting pipeline connection	6015-6052 Perforations

OPERATOR MOBIL OIL CORPORATION LEASE NAME R. Crawford Ut.

SEC. 30 TWP. 32S RGE. 37 (W)

FILL IN WELL LOG AS REQUIRED: WELL NO. 3

Show all important zones of porosity and contents thereof; core 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>Acid/Frac Record for perms of 6015-6018, 6025-6028, 6030-3032</p> <p>For perfling Lower Morrow Formation: 250 gals. 10% MSA</p> <p>Acidize perms with 2000 gallons of MOD:100 with: 2% Hai-75 + 2 gal. cir - Sta II + 2 gal. FR-24 + 2 gal. Frac flow + 36 BS</p> <p>Frac casing as follows:</p> <p>Part 1: 2000 gallons 2% KCL + 1/# - 1000 gal. of CAL - Sta 2 + 8000 gallons 2% KCL water + 40#/1000 gallons of wg - III gel + sand</p> <p>Part 2: 12,000 gallons of 2% KCL and 40#/1000 gallons 8 Wg - II gel + 500 Std/cu/ft. bbls. of CO<sub>2</sub> + 7000 gallons w/1# gallons of 20-40 sand + 38 gallons of KCL with 2#/gal. of 20-40 Sand and 9CF/bbl CO<sub>2</sub></p> <p>Part 3: Frac'd down casing with gel and 2% KCL, with totals of 97,000 gal. KCL and 210,000# sand. Water contained 2% KCL and 40#/1000 gal. WG - II &amp; 100 gal/1000 gal. frac flo CS + 20#/1000 gal. WACH + 1 gal/1000 gal. GBW-3 &amp; 1 gal/1000 gal. CLA - STA II + 2.5#/1M. gal HVG-3.</p>			6034-6052	

# JOHNSON *Drilling Company, Inc.*



OFFICES IN  
EVANSVILLE, INDIANA  
TEL. (812) 424-8291  
OKLAHOMA CITY, OKLAHOMA  
TEL. (405) 943-7667  
LIBERAL, KANSAS  
TEL. (316) 624-7731  
REPLY TO:

*NW/4*  
*30-32<sup>s</sup> 37<sup>w</sup>*  
*Stevens County*

3535 N. W. 58th - Suite 710  
Oklahoma City, Oklahoma 73112

September 20, 1982

Mobil Oil Corporation  
P. O. Box 5444  
Denver, Colorado 80217

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STATE CORPORATION COMMISSION

JUL 08 1983

CONSERVATION DIVISION  
Wichita, Kansas

DRILLERS LOG for:

CRAWFORD UNIT # 3

0' - 300'  
300' - 602'  
602' - 1756'  
1756' - 1766'  
1766' - 2400'  
2400' - 6280'

Surface, Clay, & Sand  
Sand and Redbed  
Redbed, Sand, & Shale  
Anhydrite  
Shale  
Lime & Shale

JOHNSON DRILLING COMPANY, INC.

Signed by: *Claude D. Moore*  
Claude D. Moore, Manager

STATE OF OKLAHOMA:

COUNTY OF OKLAHOMA:

Subscribed and sworn to before me this 20th day of September, 1982.

*Frank P. [Signature]* Notary Public

My Commission Expires: 12-19-85

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STATE CORPORATION COMMISSION

JUL 15 1983

CONSERVATION DIVISION  
Wichita, Kansas