

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

G. J. Park, Prod. Acctg. Supv. FIELD unspaced

** 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

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

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 - WELL PLAT (Office Use Only)

CONTRACTOR ADDRESS _____ KCC _____

_____ KGS _____

_____ SWD/REP _____

_____ PLG. _____

_____ NGPA _____

TOTAL DEPTH 6280' PBTD 6180'

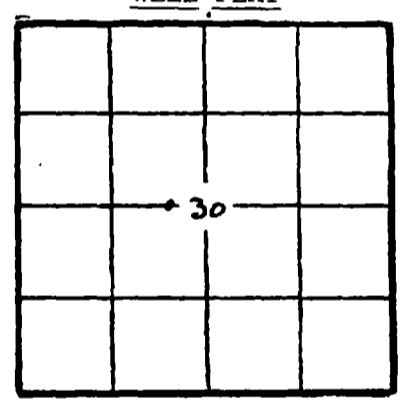
SPUD DATE 8/3/82 DATE COMPLETED 5/14/83

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 (8-19203)

Amount of surface pipe set and cemented 1765' 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 AFFIDAVIT

_____, 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 RECEIVED day of August, 1983.

STATE CORPORATION COMMISSION

AUG 25 1983

Judith A. Olson (NOTARY PUBLIC)

MY COMMISSION EXPIRES: 11-28-84 CONSERVATION DIVISION Wichita, Kansas

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

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 ₂
Production	8 3/4"	5 1/2"	15.5#	6280'	Class H	755	10% salt, 2% defoamer 1/4#/sk flocele

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

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.)		Gravity	
Awaiting Pipeline connection		-		-	
Estimated Production-I.P.	OH	Gas	Water	Gas-oil ratio	CFPS
		bbbls.	MC	bbbls.	
Disposition of gas (vented, used on lease or sold)			6015-6052 Perforations		
Awaiting pipeline connection					

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 GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

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.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>Acid/Frac Record for perfs of 6015-6018, For perfring Lower Morrow Formation: 250 gals. 10% MSA</p>	6025-6028,	6030-3032	6034-6052	
<p>Acidize perfs with 2000 gallons of MOD:101 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 + 500 Std/cu/ft. bbls. of CO₂ + 7000 gallons w/1# gallons of 20-40 sand + 38 gallons of KCL with 2#/gal. of 20-40</p>	40#/1000	gallons 8 Wg	- II gel	
<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 & 100 gal/1000 gal. frac flo CS + 20#/1000 gal. WACH + 1 gal/1000 gal. GBW-3 & 1 gal/1000 gal. CLA - STA II + 2.5#/1M. gal HVG-3.</p>				