

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

ORIGINAL

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.

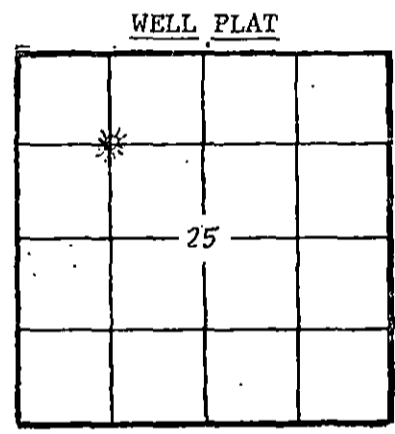
LICENSE # 5208 EXPIRATION DATE 6/30/84
OPERATOR Mobil Oil Corporation API NO. 15-189-20,702-0000
ADDRESS P. O. Box 5444 COUNTY Stevens
Denver, CO 80217 FIELD Panama

** CONTACT PERSON C. J. Park, Prod. Acctg. Supv. PROD. FORMATION Council Grove
PHONE 303/298-2696

PURCHASER Northern Natural Gas Company LEASE Lowe #1 "A" Unit
ADDRESS 2223 Dodge Street WELL NO. 2
Omaha, Nebraska 68102 WELL LOCATION C NW/4

DRILLING EARL F. WAKEFIELD, INC. 1320 Ft. from North Line and
CONTRACTOR ADDRESS 300 West Douglas, Suite 500 1320 Ft. from West Line of
Wichita, Kansas 67202 thNW (Qtr.) SEC25 TWP31S RGE35W (W).

PLUGGING -
CONTRACTOR ADDRESS
TOTAL DEPTH 3200' PBTD 3130'
SPUD DATE 1/31/84 DATE COMPLETED 3/23/84
ELEV: GR 2930.6' DF 2937.6' KB 2938.6'



(Office Use Only)
KCC [checked]
KGS [checked]
SWD/REP
PLG.
NGPA

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS.
DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE CD-82,408-C (C-13,821)

Amount of surface pipe set and cemented 1784' 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.

AFFIDAVIT

C. J. Park

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.

[Signature] (Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 9 day of May 1984.

RECEIVED STATE CORPORATION COMMISSION MAY 14 1984 CONSERVATION DIVISION Wichita, Kansas [Signature] (NOTARY PUBLIC) 5-14-84

MY COMMISSION EXPIRES: 11-28-84

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

NEW PANOMA WELL PRODUCER CODE 6010

SIDE TWO Mobil Oil Corporation
OPERATOR

LEASE Lowe #1 A Ut.

ACO-1 WELL HISTORY (B)
SEC. 25 TWP. 31S RGE. 35W (W)

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	
X Check if no Drill Stem Tests Run.			ORIGINAL		
Check if samples sent to Geological Survey					
Clay and Sand	0	530		Chase	2650
Clay & Gyp & Red Bed	530	850		C. Grove (A Zn)	2978 (-29.4)
Red Bed & Gyp	850	1195		C. Grove (B Zn)	3046 (-107.4)
Gyp & Red Bed	1195	1265			
Gloretta Sand	1265	1420			
Red Bed & Gyp	1420	1785			
Anhydrite	1785	1798			
Red Bed & Shale	1798	1920			
Shale	1920	2510			
Shale - Anhydrite - Lime	2510	2634			
Coring	2634	2986			
Lime & Shale	2986	3200			
RTD	3200				

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	Spcks	Type and percent additives
Surface	2 1/4"	5 5/8"	32#	1784'	Class H	380	12% gel + 3% CaCl ₂
					Class H	300	3% CaCl ₂
Production	7 7/8"	5 1/2"	15.5#	3188'	Class H	55	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Secs cement	Shots per ft.	Size & type	Depth interval
			2		3014-3024
					3004-3010
					2988-2996

TUBING RECORD

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
See attached sheet for acid/frac record.	3014-3024
	3004-3010
	2988-2996

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity

Estimated Production -I.P.	Oil	Gas	Water	%	Gas-oil ratio
	bbls.	MCF	bbls.	CFPB	

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

Perforations

(See above)

ORIGINAL

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR Mobil Oil Corporation LEASE NAME Lowe #1 "A" Unit

SEC. 25 TWP. 31S RGE. 35W

FILL IN WELL LOG 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
<p><u>Acid/Frac Record</u></p> <p>3/23/84: Breakdown perfs with 3600 gallons 2% KCL water. Formation broke, 1200 psi, 20 BPM. Good ball action. Balled formation off. Pressure 2500 psi at 20 BPM. Ran ball knocker on sand line. Waiting on new pump. Prepare to continue frac. Frac with 20M gallons gelled water and 144M 20/40 sand.</p>				