

WELL COMPLETION REPORT AND
DRILLER'S LOGAPI No. 15 — 189 — 20,531
County NumberS. 1 T. 33 R. 36 E
Loc. C NW/4
County Stevens

Operator
Mobil Oil Corporation

Address
P.O. Box 5444 Denver, CO 80217

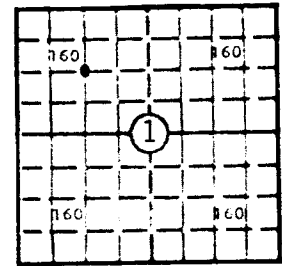
Well No. 2 Lease Name Mann #1 Unit

Footage Location
1300 feet from (N) (X) line 1250 feet from (W) line

Principal Contractor Wakefield Drilling Co. Geologist V. C. Andresen

Spud Date 2-15-81 Date Completed 3-10-81 Total Depth 3140' P.B.T.D. 3108'

Directional Deviation 3/4° 2381' Oil and/or Gas Purchaser Northern Natural Gas



Locate well correctly
Elev.: Gr. 3008'
DF KB 3016'

CASING RECORD

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

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 Casing	12½"	8-5/8"	24#	573'	Class H	150	12% gel+3% CaCl ₂
Production Casing	7-7/8"	5½"	14#	3140'	Class H	150	3% CaCl ₂
					Howco Lite	500	¼# / sk Floccle
					Class H	150	18% NaCl+.75% CF

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1		2940-2948
			1		2954-2957
			1		2960-2962
			1		2964-2978
			1		2980-2983
			1		2986-2988
			1		2990-3000

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	3021'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
7000 gals of MOD 202 acid + additives + ball sealers	2940-3000
84,000 gals of fresh, gelled H ₂ O + 252,000# 20-40 frac sand + additives	

INITIAL PRODUCTION

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

RATE OF PRODUCTION PER 24 HOURS Oil bbls. 2300 Gas MCF Water bbls. Gas-oil ratio CFPB

Disposition of gas (vented, used on lease or sold) awaiting connections Producing interval(s) 2940-3000

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Mobil Oil Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas
Well No. 2	Lease Name Mann #1 Unit	
S 1 T 33 R 36 E W		

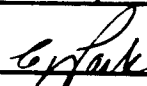
WELL LOG

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
Sand	0	46	Stone Corral	1703
Sand & Clay	46	500		
Red Bed	500	573	Chase	2590
Red Bed-Sand	573	1010		
Red Bed & Gyp	1010	1225	Council Grove	2932
Sand	1225	1425		
Shale & Gyp	1425	1735		
Shale & Anhydrite	1735	1780		
Shale	1780	1980		
Lime & Shale	1980	2595		
Shale & Lime	2595	2775		
Lime & Shale	2775	3140		
R.T.D.		3140		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received		C. J. PARK
	Signature	
	PRODUCING ACCOUNTING SUPERVISOR	
	Title	
	5-11-81	
	Date	

6L1LES

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217

September 25, 1981

Kansas State Corporation Commission
Conservation Division
200 Colorado Derby Bldg.
202 West First Street
Wichita, Kansas 67202

Attn: Allaweas Winfrey

Gentlemen:

As stated in our letter dated June 2, 1981, we are forwarding to you Four Point Flow Potential Test results for the Kansas gas wells listed below. Kansas C-10 Completion reports were submitted for these wells at an earlier date, however, the test results were not available to us in enough time to comply with KCC Rule 82-2-125.

<u>Lease Name</u>	<u>Well #</u>	<u>S-T-R</u>	<u>Test Results</u>
O. M. Akers Unit	2	35-25S-35W	1200 mcf/d
Brown 15 Unit	16	29-25S-34W	3120 "
Brown 19 Unit	20	31-25S-34W	1840 "
C. A. Loucks Unit B	2	28-25S-35W	1030 "
Tate Holdridge Unit	2	21-25S-35W	1480 "
Tate White Unit	2	27-25S-35W	810 "
Ward Tate Unit	2	33-25S-35W	1030 "
Mann #1 Unit	2	1-33S-36W	2300 "

KANSAS DRILLER'S LOG

LEASE: MANN NO. 1 UNIT #2
OWNER: MOBIL OIL CORPORATION
SPUD: 2-15-81
COMP: 2-19-81

LOCATION: NW/4
SECTION 1-33S-36W
STEVENS COUNTY, KANSAS
CASING: 8 5/8" SET @ 573'
5 1/2" SET @ 3140'

Sand	46
Sand & Clay	500
Red Bed	573
Red Bed - Sand	1010
Red Bed & Gyp	1225
Sand	1425
Shale & Gyp	1735
Shale & Anhydrite	1780
Shale	1980
Lime & Shale	2595
Shale & Lime	2775
Lime & Shale	3140
R.T.D.	

STATE OF KANSAS)
)
COUNTY OF SEDGWICK) ss.

I, William C. Wakefield, do hereby certify that this is a true and correct Driller's Log on the MANN NO. 1 UNIT #2, located NW/4 of Section 1-33S-36W, Stevens County, Kansas, as shown by the daily drilling reports.

3140 RECEIVED
STATE OF KANSAS COMMISSION

MAR 23 1981

CONSERVATION DIVISION
Wichita, Kansas