

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5208
name Mobil Oil Corporation
address P. O. Box 5444
City/State/Zip Denver, CO 80217-5444

Operator Contact Person C. J. Park
Phone 303/298-2696

Contractor: license # 9137
name Unit Drilg. & Exploration Co.

Wellsite Geologist Porter Mitchell
Phone 303/298-2638

PURCHASER Northern Natural Gas Company

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator _____
Well Name _____
Comp. Date _____ Old Total Depth _____

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
1/27/84 2/13/84 5/11/84
Spud Date Date Reached TD Completion Date

6414' 6040'
Total Depth PBT

Amount of Surface Pipe Set and Cemented at 1785 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set _____ feet

If alternate 2 completion, cement circulated
from _____ feet depth to _____ w/ _____ SX cmt

API NO. 15 - 189-20,692-0000

County Stevens

C. SW NE Sec 3 Twp 32S Rge 35

(location) 3300
1980 Ft North from Southeast Corner of Sec
Ft West from Southeast Corner of Sec
(Note: locate well in section plat below)

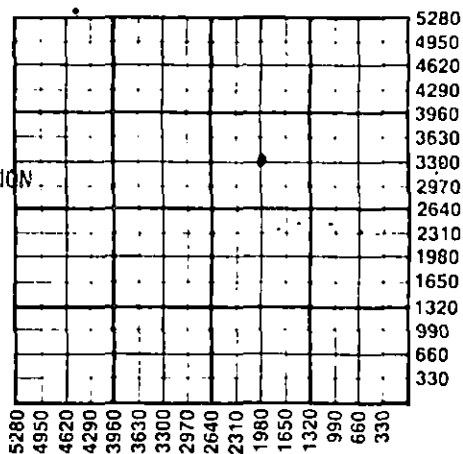
Lease Name Helmley 1-A Ut. 2 Well#

Field Name Wildcat LARRABEE NW

Producing Formation Morrow

Elevation: Ground 2998' 3013'
KB

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
JUL 18 1984
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water: T-84-46
Division of Water Resources Permit # Center NE 74

Groundwater info not Ft North From Southeast Corner (Well) on permit Ft. West From Southeast Corner Sec 3 Twp 32S Rge 35 East West

Surface Water Ft North From Southeast Corner (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge East West

Other (explain) _____
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal
CD-82,408-C Repressuring
Docket # (C-13,821)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-10 for confidentiality in excess of 12 months.

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statement herein are complete and correct to the best of my knowledge.

Signature C. J. Park
Title Producing Accounting Supervisor Date 7-16-84

Subscribed and sworn to before me this 16 day of July 1984

Notary Public Judith A. Olsen
Date Commission Expires 11-28-87

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Sec. 3, Twp. 32, Rge. 35

SIDE TWO

Operator Name Mobil Oil Corporation... Lease Name Helmsley-1-A Well# 2... SEC. 3... TWP. 32S. RGE. 35... East West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

* Frac Procedure for Morrow formation:

5/11/84: Frac Morrow w/21,000 gal. versagel as follows:

- 6000 gal. gelled water pad;
- 5000 gal. gelled water w/1 ppg 20/40 sand;
- 5000 gal. gelled water w/2 ppg 20/40 sand;
- 5000 gal. gelled water w/3 ppg 20/40 sand;

Flush with 5800 gal. 2% KCL water (500 bbls. gelled water and 139 bbls. KCL water)

Name	Top	Bottom
Base S.C.	1790	+1224
Sumner	2250	+ 764
Chase	2652	+ 362
Winfield	2728	+ 286
Council Grove	2958	+ 56
Admire	3222	- 208
Wabaunsee	3356	- 342
Shawnee	3778	- 764
Lansing	4278	-1264
K. City	4540	-1526
Marmaton	4980	-1966
Cherokee	5174	-2160
Morrow	5577	-2563
Chester	5842	-2828
MKR	6024	-3010
St. Gen.	6116	-3102
St. Louis	6182	-3168
T.D.	6416	

RELEASED

JUN 10 1985

FROM CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> used							
Report all strings set - conductor, surface, intermediate, production, etc.							
Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
Surface	12. 1/4"	9. 5/8"	36#	1785'	Class H	400	2% gel, 3% Ca
						350	3% CaCl ₂
Production	9. 1/2"	5. 1/2"	15.5#	6260'	Class H	450	10% salt, 2% de
						865	10% salt, 12%
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
2	.5804-.5807			.5/11/84. *(See frac. procedure detailed above)			-
TUBING RECORD					Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First Production		Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	- Bbls	- MCF	- Bbls	- CFPB	-		

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION

open hole perforation
 other (specify)

Dually Completed.
 Commingled

PRODUCTION INTERVAL

.....
