

5/11/84  
KCC  
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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 Drlg. & 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 Abn  
 Gas  Inj  Delayed Comp.  
 y  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 PBD

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  
County Stevens

C. SW NE Sec 3 Twp 32S Rge 35 East West

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

Lease Name Helmley 1-A Ut. 2 Well#

Wildcat

Producing Formation Morrow

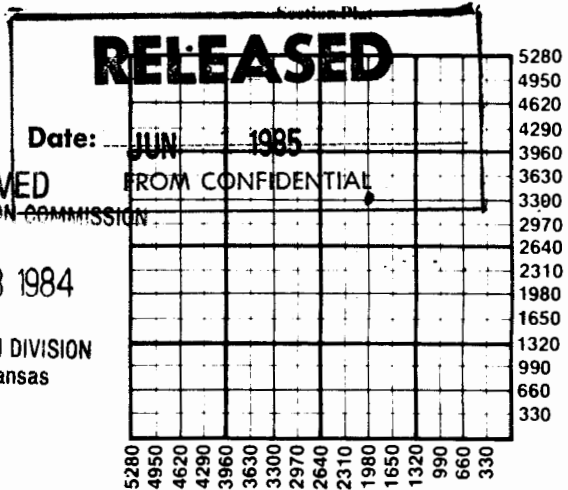
Elevation: Ground 2998' 3013' KB

State Geological Survey  
WICHITA BRANCH  
JUN 11 1985

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 1/4

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

Surface Water Ft North From Southeast Corner and Ft West From Southeast Corner Sec Twp Rge  East  West

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

Disposition of Produced Water:  Disposal  Repressuring  
CD-82,408-C

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 82-3-107 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

SIDE TWO

Operator Name Mobil Oil Corporation... Lease Name Helmley 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	-30'
St. Gen.	6116	-3162
St. Louis	6182	-3168
T.D.	6416	

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% CaCl <sub>2</sub>
Production.....	9. 1/2"	5. 1/2"	15.5#	6260'	Class H	350 450 865	3% CaCl <sub>2</sub> 10% salt, 2% deair 10% salt, 1% gel
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).....			