

6/10/85

SIDE ONE

7-26-8
KC C

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

Purchaser Northern Natural Gas Co.

Operator Contact Person J L Douglass
Phone (303) 298-2047

Contractor: License # 6666
Name NRG Drilling Inc.

Wellsite Geologist Jens Munthe
Phone (303) 298-2294

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

1-24-85	2-5-85	4-26-85
Spud Date	Date Reached TD	Completion Date
5842'	5375'	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 1891 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. 15-081-20,344
County Haskell
SE SW Sec. 2 Twp. 28s Rge. 34 East West

660 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

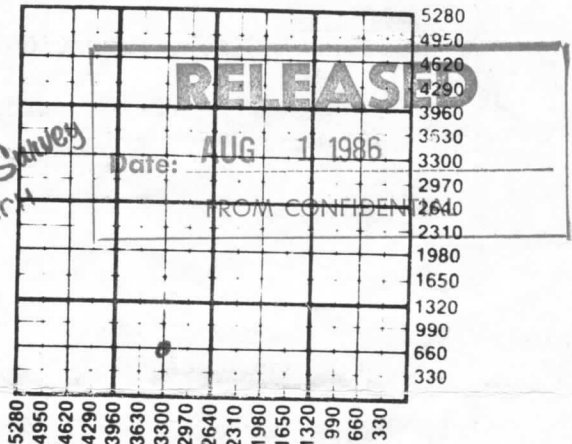
Lease Name Lucas #1 Unit Well # 2

Field Name Panoma

Producing Formation Council Grove

Elevation: Ground 3060' KB 3076'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # 91-987-C
(C-16,070)

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T85-97

Groundwater 560 Ft North from Southeast Corner
(Well) 1980 Ft West from Southeast Corner of
Sec Twp Rge 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. #)

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. Rule 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 all temporarily abandoned wells.

476979

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Lucas #1 Unit Well # 2

Sec. 2 Twp. 28s Rge. 34 East West County Haskell

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

Acid/Frac Record

MIRU Halliburton Broke Formation
 W/750 Gals, 15% HCL acid dropped
 32 1.3 s.g ball sealers thru treatment.
 Balled off. Frac'd formation w/57,000
 gals versagel 1400 & 1300 containing
 105,000# 16/30 mesa sand in the following
 stages:

- 20,000 gals versagel 1400 pad
- 5,000 gals versagel 1300 w/1ppg sand
- 10,000 gals versagel 1300 w/2ppg sand
- 10,000 gals versagel 1300 w/2ppg sand
- 12,000 gals versagel 1300 w/4ppg sand
- 3,174 gals 2% KCL water flush

Name	Top	Bottom
Stone Corral		1984
Wellington		2356
Chase		2686
Winfield		2746
Council Grove		2976
Wabaunsee		3400
Shawnee		3740
Lansing		4182
Kansas City		4460
Marmaton		4802
Cherokee		4966
Morrow		5340
Chester		5495
St. Louis		5600

CONFIDENTIAL

CASING RECORD New 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#	1891'	Class H	630	3% CaCl2
						100	3% CaCl2
Production	8 3/4"	5 1/2"	15.5#	5838'	Class H	330	10% salt, 2% defoamer

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3176 - 86 Panoma Council Grove	see acid/frac record detailed above	

TUBING RECORD Size 2 3/8" Set At 3190' Packer at 5343' Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift Other (explain)