

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

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

Contractor: License # N/A
Name

Wellsite Geologist G. Zimbrick
Phone (303) 298-3669

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
4-21-85 5 8-3-85 6-1-85
Spud Date Date Reached TD Completion Date
6900' 6892'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1750 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3268 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-189-20848-00-00
County Stevens
S/2 SW SE 30 34S 36 East West

330 Ft North from Southeast Corner of Section
2200 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

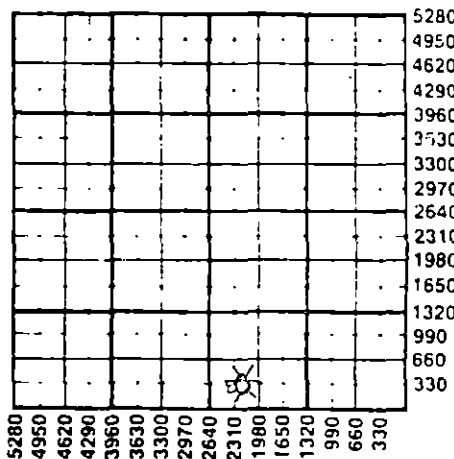
Lease Name Parker Est #1 Unit Well # 4

Field Name Hanke

Producing Formation Morrow

Elevation: Ground 3092' 3108' KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # CO-8787 (C-19, 411)

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T-85-380
100' SW of gas well

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec 30 Twp 34S Rge 36 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.

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

Signature J. E. Dawson
Title Producing Accounting Supervisor Date 7/10/85

Subscribed and sworn to before me this 10th day of July 1985
Notary Public Claudia C. Soustek
Date Commission Expires 2-9-88

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)

CLAUDIA C. SOUSTEK
632 CONIFER DR.
EVERGREEN, COLORADO 80439

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Parker Est #1 Unit Well # 4
 Sec. 30 Twp. 34S Rge. 36 East West County Stevens

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:

Frac down tubing as follows:

- 12,000 gal 70Q foam pad
- 4,000 gas 70Q foam w/1ppg 16/30 sand
- 4,000 gal 70Q foam w/1.5ppg 16/30 sand
- 8,000 gal 70Q foam w/2ppg 16/30 sand
- 6,150 gal 70Q foam w/2.5ppg 16/30 sand
- 1,850 gal 65Q foam w/2.5 ppg 16/30 sand
- 4,000 gal 65Q foam w/3 ppg 16/30 sand
- 1,650 gal 65Q foam flush

Name	Top	Bottom
Chase	2650	
Council Grove	3015	
Wabaunsee	3512	
Heebner	4150	
Lansing	4340	
Marmaton	5134	
Cherokee	5485	
Morrow	5956	
L. Morrow	6286	
Chester	6396	
St. Genevieve	6580	
St. Louis	6736	

RELEASED

OCT 03 1986

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#	1760'	H	325	10% salt + 2% defoamer
Production	8-3/4"	5-1/2"	15.5#	6897'	H	110	35% POZ + 6% gel + 3% CaCl ₂
					50/50POZ	190	
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	6740' / 6748'						
	6334' / 6348'			(see acid/frac record detailed above)			
	6367' / 6370'						
	6372' / 6375'						
TUBING RECORD				Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	Size 2-7/8"	Set At 6200'	Packer at 6235'				
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	
		3bls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease

6334-6748

Dually Completed
 Commingled