

13-35-37W

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5208.....
 NameMobil Oil Corporation....
 AddressP.O. Box 5444.....
 City/State/Zip Denver, CO 80217-5444....

Purchaser...Northern Natural Gas Company....

Operator Contact Person ..J.L. Douglass.....
 Phone303/298-2047.....

Contractor: License #6666.....
 Name NRG Drilling Company

Wellsite Geologist.....Grant Zimbrick.....
 Phone.....303/298-2483.....

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SMD ☐ 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

.9/4/84..... 9/8/84..... 12/10/84....
 Spud Date Date Reached TD Completion Date

.3200'..... 3127'.....
 Total Depth PBTD

Amount of Surface Pipe Set and Cemented at..812' 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-.....189-20,753.....

County.....Stevens.....

.....C... N/2 Sec. 13. Twp. 35S Rge. 37.. ☐ East ☒ West

.3766..... Ft North from Southeast Corner of Section
 .2640..... Ft West from Southeast Corner of Section
 (Note: Locate well in section plat below)

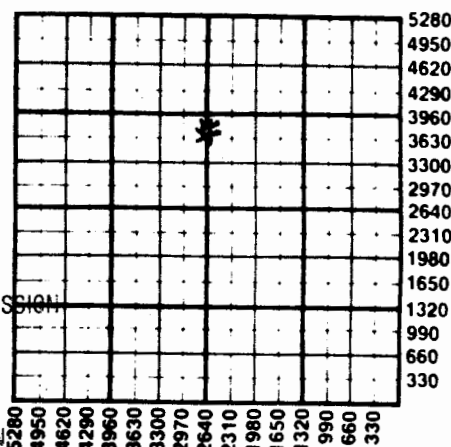
Lease Name...Haymaker #1 Ut.....Well #2.....

Field Name. Patoma.....

Producing Formation...Council Grove.....

Elevation: Ground...3092'.....KB...3100'.....

Section Plat



RECEIVED

STATE CORPORATION COMMISSION

JAN 17 1985

CONSERVATION DIVISION

Wichita, Kansas

* WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
 Docket # ...CD-1787 (C-19, 411) ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit #.....

☐ Groundwater.....Ft North from Southeast Corner
 (Well)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
 Roger Lynch (farmer irrigation well)

☒ 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.

SIDE TWO

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

Sec. 13 Twp. 35N Rge. 37W ☐ 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

RU Howco and acidize Council Grove w/2700 gal. acid as per program. Frac down casing with 20#/1000 gal. of non x-linked gel, and 1 gal./1000 gals. breaker + 0.1 gal./1000 gals. bactericide and 1 gal./1000 gals. suds surfactant.

Pad 7,500 gal. gel
 Sand Laden Gel 67,500 gal. gel
 Total 20/40 Sand 172,500 lbs.
 Flush 3,053 gal. 2% KCL water

Name	Top	Bottom
Chase	2664	
Council Grove	3032	
T.D.	3200	

METHOD OF COMPLETION

Production Interval

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

....3054-3080...P.A.

☐ Dually Completed
☐ Commingled

.....

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"	8 5/8"	32#	812'	Class H	400	12% gel + 3% CaCl ₂
Production	7 7/8"	5 1/2"	15.5#	3200'	Class H	450	1% floccule, 6% Gel Class H 105 8% salt + 1/4# d-air

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	3062-3066	Acid/Frac Record	
	3068-3074	detailed above	
	3076-3080		
	3054-3058		

TUBING RECORD Size 2 3/8" Set At N/A Packer at - Liner Run ☐ Yes ☒ No

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