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COPY *and*

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 181-20287

County Sherman

N/2 NW NW Sec. 33 Twp. 7S Rge. 39 X East West

3980 Ft. North from Southeast Corner of Section

4580 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Kuhlman E Well # 2

Field Name Goodland

Producing Formation Niobrara

Elevation: Ground 3622' KB 3627'

Total Depth 1198' PBDT 1172'

Operator: License # 30689

Name: Marathon Oil Company

Address P. O. Box 2690

City/State/Zip Cody, WY 82414

Purchaser: People's Natural Gas

Operator Contact Person: R. P. Meabon

Phone (307) 587-4961

Contractor: Name: Excell Drilling

License: 08273

Wellsite Geologist: None

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abandon

Gas Inj Delayed Completion

Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: _____

Well Name: _____

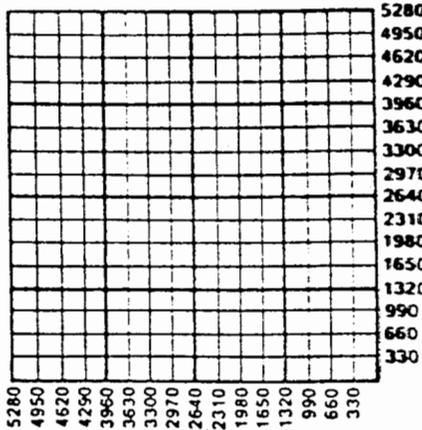
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

4/13/91 4/14/91 4/26/91

Spud Date Date Reached TD Completion Date



STATE CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS
RECEIVED
1991

Amount of Surface Pipe Set and Cemented at 385 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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. M. Lugh for RPM

Title Regulatory Coordinator Date 8/29/91

Subscribed and sworn to before me this 29th day of August, 19 91.

Notary Public Mary C. Hausch

My Commission Expires 7-92
County of Park State of Wyoming
My Commission Expires Nov. 7, 1992

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Time Log Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

SIDE TWO

Operator Name Marathon Oil Company Lease Name Kuhlman E Well # 2
 Sec. 33 Twp. 7S Rge. 39 East West
 County Sherman

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description		
Name	Top	Bottom
Pierre	Surface	1086'
Niobrara	1086'	1128'
Carlile	1128'	TD

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	9-7/8"	7"	20.0	384'	Class A	150	3% CaCl ₂
Production	6-1/4"	4 1/2"	10.5	1194'	Class A	85	.4% FLA 1/4# Cello Flake 2% KCl

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	1087'-1127'	Frac'd w/40,000 gal. of 50% CO ₂ , 50% gelled water carrying 51,000# 20/40 sand & 49,000# 12/20 sand.	1087'-1127'

TUBING RECORD Size N/A Set At N/A Packer At N/A Liner Run Yes No

Date of First Production 8/21/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
<u>N/A - 0</u>	<u>N/A - 0</u>	<u>*125</u>	<u>0</u>	<u>N/A</u>	<u>N/A</u>

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

*Volume reflects accessibility to sales line, does not represent absolute open flow potential.