

ORIGINAL

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- 181-20286 60-60

County Sherman

S/2 SW SW Sec. 33 Twp. 7S Rge. 39 East West

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. Abd.
 Gas Inj Delayed Comp.
 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

4/11/91 4/12/91 4/26/91

Spud Date Date Reached TD Completion Date

1300 ✓ Ft. North from Southeast Corner of Section

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

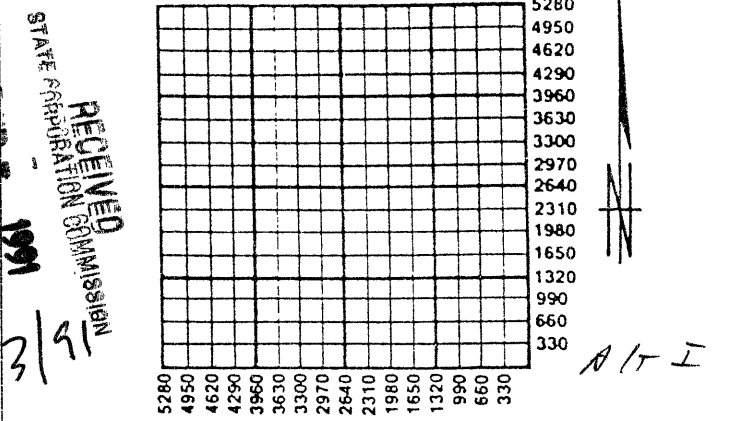
Lease Name Kuhlman E ✓ Well # 1

Field Name Goodland

Producing Formation Niobrara

Elevation: Ground 3630' KB 3635'

Total Depth 1168' PBDT 1118' KB



Amount of Surface Pipe Set and Cemented at 373 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.

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9/3/91

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 L. McHugh 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 E. Haisch
Date Commission Expires 11-7-92
Park Wyoming
My Commission Expires Nov. 7, 1992

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Marathon Oil Company Lease Name Kuhlman E Well # 1
 Sec. 33 Twp. 7S Rge. 39 East County Sherman
 West

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.)

Name	Formation Description	
	Top	Bottom
Pierre	Surface	993'
Niobrara	993'	1027'
Carlile	1027'	TD

CASING RECORD <input 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	9-7/8"	7"	20.0	382'	Class 'A'	150	3% CaCl ₂
Production	6-1/4"	4 1/2"	10.5	1156'	Class 'A'	75	4% FLA 1/4# Celloflake

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 SPF	992'-1026'	Frac'd w/40,000 gal. 50% CO ₂ 50% Gelled water carrying 49,000# 20/40 sand and 49,000# 12/20 sand.	992'-1026'

TUBING RECORD Size N/A Set At Packer At 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 N/A-0 Bbls. Gas *125 Mcf Water 0 Bbls. Gas-Oil Ratio N/A Gravity N/A

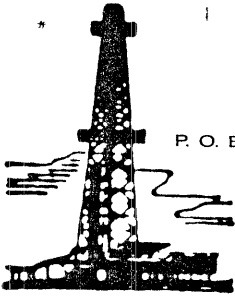
Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

*Volume reflects accessibility to sales line, does not represent absolute open flow potential.
 Dist: KCC Orig. & 2cc,WRF,MEB,WTR,ROB Lamar,Title & Cont.(Hou.)

ORIGINAL

IS-181-20286-00-00
Our Invoice

№ 13561



CEMENTERS, INC.

P. O. BOX 1587 • SCOTTSBLUFF, NE 69363-1587 • (308) 632-8855

Date	4-12-91	Well Owner	MARATHON	Well No.	E#1	Lease	KUHLMAN
County	Sherman	State	KANSAS	Field			
Charge To	Marathon	Charge Code				For Office Use Only	
Address	PO BOX 2690						
City, State	COOY WY. 82414 MAR. DRILLING DEPT						
Pump Truck No.	1202	Code		Bulk Truck No.	1206	Code	
Type of Job		Depth		Ft.		to	
Surface		Bottom of Surface		Ft.		to	
Plug		Plug Landed @	1161	Ft.		Time On	
Production	4 1/2	Pipe Landed @		Ft.		Time Off	

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat CLASS "A"	755x			
	Poz. Mix				
	Calcium Chloride				
	Gel % Flo-Seal %				
	Handling Charge				
	Hauling Charge				
	Additional Pump Charge				
	Mileage P.T.				
	B.T.				
	Plug Centralizers	6			
	Plug down: 6:30 Savachers	2			
	pressure Plug AAU shoe	1			
	120psi held for 3 Plug & latch	1			
	min.				
Remarks:	4% fluid loss Add.	Tax Reference Code		Sub Total	
	1/4 #/SK CALLOFLAKE	State %		Tax	
		Disc		Total	2500 60

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Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
1202		Pump Truck					
1206		Bulk Truck					

Alan R. Lyon

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By GARY & SUD Received by [Signature]
 Customer or His Agent

LEASE DISCRIPTION: KUHLMAN #E-1 ELEV:
LOCATION: 1300' FSL & 700' FWL, Section 33, T7S, R39W
COUNTY: Sherman STATE: Kansas WATER SOURCE: City of Goodland

4/11/91: (AJB), Previous 24 Hours - Excell Drilling Company moved onto location.

4/12/91: (AJB), @ 7:00 A.M. @ 1136' and drilling 6-1/4" hole. Previous 24 hours - Excell Drilling Company rigged up and mixed mud; Spud well @ 7:45 A.M. 4/11/91; ~~Drill 9-7/8" hole to Surface T.D. of 384'~~ @10:45 A.M. 4/11/91 with mud wt. 9.7, viscosity 34; Circulate; Deviation survey @ 384' showed 3/4°; Trip out; Ran (12) jts. 7", 20#, New surface casing measuring 373' set @ 379' KB; Cemented with (150) sacks neat with 3% CaCL; Plug down @ 1:30 P.M. 4/11/91; Wait on cement; Nipple up BOP; Wait on cement; Test BOP; Resumed drilling @ 12:15 A.M. 4/12/91; Drilling 6-1/4" hole; Mud up 3:00 A.M. 4/12/91 with mud wt. 8.8, viscosity 35, using (82) KCL, (35) Starch, (2) Mon pack, (2) P-10L, (10) Multiseal, (4) Celofain and (1) KCL GEL; Resumed drilling.

4/13/91: (AJB) @ 7:00 A.M. Rig down and moved of location. Previous 24 hours - Drilling to a ~~T.D. of 1168'~~ @ 7:15 A.M. 4/12/91; Circulate; Short trip; Circulate; Lost circulation; Regained circulation; Trip out to log; Logging; Run 4 1/2" production casing; 10.5#, J55 production casing to 1161' KB; Cemented with 75 sacks type A, with 4% FLA; Plugged down @ 6:30 P.M. 4/12/91; ~~Released rig @ 7:00 P.M.~~ 4/12/91; Rig Down.

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CONSERVATION DIVISION
Wichita, Kansas

2/3/91

- ① All mud was Summited by Marathon-
- ② Mud was billed to FTD Excell & rebilled to Marathon
- ③ Excell bought back certain mud that could be used.
Per BRW

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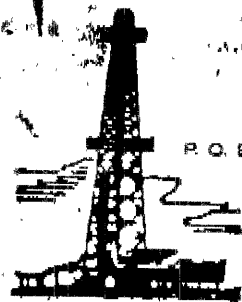
15-181-20286-00-00

Our Invoice

№ 13559

CEMENTERS, INC.

P. O. BOX 1587 • SCOTTSBLUFF, NE 69363-1587 • (308) 632-8855



AFE (11/1)

Date	4-13-91	Well Owner	MARATHON OIL CO	Well No.	5-626-1	Lease	Kudlwan
County	Sherman	State	KANSAS	Field		Charge Code	
Charge To	EXCEL DRILL COMPANY						For Office Use Only
Address	REG # 2						
City, State	WLAT, COLORADO						
Pump Truck No.	1202	Code		Bulk Truck No.	1206	Code	
Type of Job	Surface		7"	Depth	Ft. 310	to	
				Bottom of Surface	Ft. 306	to	
Plug				Plug Landed @	286	Ft.	Time On
Production				Pipe Landed @	306	Ft.	Time Off

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat	150			1400.00
	Poz. Mix				
	Calcium Chloride	3%			
	Gel % Flo-Seal %				
	Handling Charge				
	Hauling Charge				
	Additional Pump Charge	106 ft = 4.50			477.00
	Mileage P.T.				
	B.T.				
	Plug				

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9/3/91

Remarks:	Tax Reference Code	Sub Total	1877.00
	State Chl 3 %	Tax 945.00 tax	28.35
	Disc net	Total 942.00 2000	1905.35

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
1202	Pump Truck						
1206	Bulk Truck						

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Delivered By GARY SID Received by [Signature] Customer or His Agent