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- 189-21,494-00-00 OCT 0 4

County Stevens ✓ CONFIDENTIAL

___ NE SW Sec. ✓19 Twp. 33S Rge. 36 X East / ___ West

✓1980 Ft. North from Southeast Corner of Section

✓3300 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

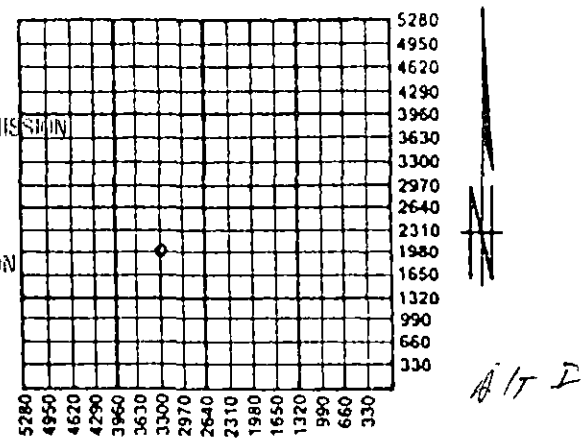
Lease Name Paden #1 Unit ✓ Well # 3

Field Name Wildcat

Producing Formation Morrow

Elevation: Ground 3081 KB 3097

Total Depth 6496' PBTD 4330'



Amount of Surface Pipe Set and Cemented at 1759 Feet

Multiple Stage Cementing Collar Used? ___ Yes X No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

Operator: License # 5208

Name: MOBIL OIL CORPORATION

Address 2319 NORTH KANSAS

City/State/Zip LIBERAL, KS 67901

Purchaser: NA

Operator Contact Person: RAE KELLY

Phone (316) 626-1160

Contractor: Name: Unit Drilling & Explorations Co.

License: 9137

Wellsite Geologist: J. M. Ritchey

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Designate Type of Completion
X New Well ___ Re-Entry ___ Workover
___ Oil ___ SWD X Temp. Abd.
X 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 ___

Drilling Method:
X Mud Rotary ___ Air Rotary ___ Cable

6/18/91 Spud Date | 6/25/91 Date Reached TD | TA'd Completion Date

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 R. Kelly

Title Engineering Technician Date

Subscribed and sworn to before me this 4th day of October, 19 91.

Notary Public Sharon A. Cook

Date Commission Expires 10-1-94

SHARON A. COOK
NOTARY PUBLIC
STATE OF KANSAS
My Comm. Exp. 10-1-94

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)

Form ACO-1 (7-89)

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Paden #1 Unit Well # 3

Sec. 19 Twp. 33S Rge. 36 ☐ East ☒ West County Stevens

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 (Attach Additional Sheets.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Chase	2653	
Council Grove	2966	
Admire	3262	
Wabaunsee	3464	
Heebner	4203	
Lansing	4298	
Kansas City	4519	
Marmaton	5073	
Cherokee	5308	
Morrow	5818	
Chester	6210	
St. Louis	6460	

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 casing	12.250	8.675	24#	1759	Class C	495	Poz+3% CACL
					Class C	320	+3% CACL
Producing Casing	7.875	5.500	17#	6461	Class H	215	Poz+2% gel
					Class H	865	Poz+2%gel+2% CA

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	3360-3369		
2	4250-4262		
2	4287-4294		
2	4344-4350		
2	4403-4412		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	NA			☐ Yes ☒ No

Date of First Production	Producing Method
TA'D	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☐ Perforation ☐ Dually Completed ☐ Commingled

☐ Other (Specify)

Production Interval

SHARON A. COOK
NOTARY PUBLIC
STATE OF KANSAS
My Comm. Exp.

MSD991 *** PRISM ***
Primary Cementing Report

Lease: PADEN #1 UNIT WELL # Well #: 3 Well ID: 0025240
Field: OUTPOST State: KS County: STEVENS
API #: 15-189- -00 Ppty ID: 1334800 OCSG #:

========== Cementing Job Information ==========

Date: 06/19/1991 Starting Time: 07:00 Ending Time: 09:00

Cementing Company: WESTERN District: PERRYTON, TX

Cementing Company Rating (1 to 10, 10 = Best): 9

Was top plug dropped? Y
Was bottom plug dropped? N
Did plug bump? Y
Was there full circulation while pumping? Y
Amount of cement returns to surface: 1 Bbls
Did floats hold? Y
Flow regime: LAMINAR

Was the pipe reciprocated before cementing? N
Was the pipe reciprocated during cementing? N
Was the pipe rotated before cementing? N
Was the pipe rotated during cementing? N
If pipe was rotated, Type of rotation equipment:
Torque on rotated pipe: ft/lbs
Rotation Speed: RPM

Job Remarks:

========== Stage Information ==========

Stage No.: 1

Casing O.D.: 8.625 In.
Hole Size: 12.250 In.
Estimated Top of Cement for this stage: 0 Ft.
Estimated Bottom of Cement for this stage: 1759 Ft.
Time to mix and pump this stage: 58 (Hr:Min)
Average Pump Rate: 4.0 BPM
Maximum Pump Pressure: 600 PSIG
Foam Cement? N

Lead Composition: CLASS 'C' POZ + 3% CACL
Tail Composition: CLASS C + 3% CACL

	Lead	Tail
No. of Sacks	495	320
Slurry Yields (CuFt/Sk)	1.99	1.33
Slurry Density (Ppg)	12.4	14.8
Slurry Volume (Bbl)		
Mix Water Amount (Gal/SK)	11.10	6.30
Mix Water Type	FRESH	FRESH
Thickening Time (Hr:Min)		
12-Hr Compressive Strength (PSI)		
24-Hr Compressive Strength (PSI)		
Compressive Strength Test Temperature (F)	80	
Fluid Loss (cc)	800	800
Free Water (cc)	1.0	0.5

========== Flush Information ==========

	Density (PPG)	Volume (Bbls)	Description
Preflush	8.3	20.0	H2O
Flush			
Postflush			
Displacement			

Displacement Rate: 4.0 BPM

Lease: PADEN #1 UNIT WELL # Well #: 3 Well ID: 0025240

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Stage Remarks:

Report Generated on: 09/21/91 @ 02:26 End of Report.....

MSD991 *** PRISM ***

Primary Cementing Report

Lease: PADEN #1 UNIT WELL # Well #: 3 Well ID: 0025240
Field: OUTPOST State: KS County: STEVENS
API #: 15-189- -00 Ppty ID: 1334800 OCSG #:

========== Cementing Job Information ==========

Date: 06/28/1991 Starting Time: 00:30 Ending Time: 04:45

Cementing Company: HALIBURTON District: LIBERAL

Cementing Company Rating (1 to 10, 10 = Best): 9

Was top plug dropped? Y
Was bottom plug dropped? N
Did plug bump? Y
Was there full circulation while pumping? Y
Amount of cement returns to surface: Bbls
Did floats hold? Y
Flow regime: Laminar

Was the pipe reciprocated before cementing? Y
Was the pipe reciprocated during cementing? Y
Was the pipe rotated before cementing? N
Was the pipe rotated during cementing? N
If pipe was rotated, Type of rotation equipment:
Torque on rotated pipe: ft/lbs
Rotation Speed: RPM

Job Remarks:

========== Stage Information ==========

Stage No.: 1

Casing O.D.: 5.500 In.
Hole Size: 7.875 In.
Estimated Top of Cement for this stage: 5317 Ft.
Estimated Bottom of Cement for this stage: 6461 Ft.
Time to mix and pump this stage: (Hr:Min)
Average Pump Rate: 6.0 BPM
Maximum Pump Pressure: 450 PSIG
Foam Cement? N

Lead Composition:
Tail Composition:

	Lead	Tail
No. of Sacks		
Slurry Yields (CuFt/Sk)		
Slurry Density (Ppg)		
Slurry Volume (Bbl)		
Mix Water Amount (Gal/SK)		
Mix Water Type		
Thickening Time (Hr:Min)		
12-Hr Compressive Strength (PSI)		
24-Hr Compressive Strength (PSI)		
Compressive Strength Test Temperature (F)		
Fluid Loss (cc)		
Free Water (cc)		

========== Flush Information ==========

	Density (PPG)	Volume (Bbls)	Description
Preflush			
Flush			
Postflush			
Displacement			

Displacement Rate: 4.0 BPM

Lease: PADEN #1 UNIT WELL # Well #: 3 Well ID: 0025240

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Stage Remarks:

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Stage No.: 2

Casing O.D.: 5.500 In.
Hole Size: 7.875 In.
Estimated Top of Cement for this stage: 1559 Ft.
Estimated Bottom of Cement for this stage: 3450 Ft.
Time to mix and pump this stage: (Hr:Min)
Average Pump Rate: 3.0 BPM
Maximum Pump Pressure: 100 PSIG
Foam Cement?

Lead Composition:
Tail Composition:

	Lead	Tail
No. of Sacks		
Slurry Yields (CuFt/Sk)		
Slurry Density (Ppg)		
Slurry Volume (Bbl)		
Mix Water Amount (Gal/SK)		
Mix Water Type		
Thickening Time (Hr:Min)		
12-Hr Compressive Strength (PSI)		
24-Hr Compressive Strength (PSI)		
Compressive Strength Test Temperature (F)		
Fluid Loss (cc)		
Free Water (cc)		

========== Flush Information ==========

	Density (PPG)	Volume (Bbls)	Description
Preflush			
Flush			
Postflush			
Displacement			

Displacement Rate: 2.0 BPM

Stage Remarks:

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