

12/21/90
RELEASED

ORIGINAL

SIDE ONE

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

Operator: License # 5208
Name MOBIL OIL CORPORATION
Address P.O. BOX 5444
City/State/Zip DENVER, COLORADO 80217

Purchaser SOLD ON SPOT MARKET, TRANSPORTER
ENRON

Operator Contact Person B. R. MAYNARD
Phone (303) 298-2069

Contractor: License # 9137
Name UNIT DRILLING & EXPLORATION CO.

Wellsite Geologist LISA NORBY
Phone 303-298-2487

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

If OWWO: old well info as follows;
Operator _____
Well Name _____
Comp. Date _____

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
8/10/89 Spud Date 8/18/89 Date Reached TD 8/18/89 COMPLETION
6400' Total Depth 6326' (F.C.) PBTD

Amount of Surface Pipe Set and Cemented at 1805 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3150.2 feet
If alternate 2 completion, cement circulated from _____ feet depth to _____ w/ _____ SX cat
Cement Company Name HALLIBURTON (SURFACE CASING)
Invoice # WESTERN-PERRYTON (PROD. CASING)

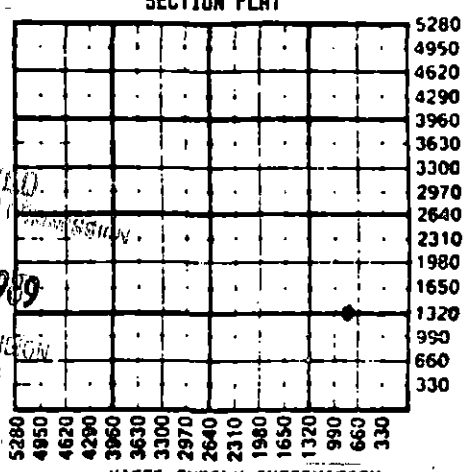
API No. 15- 189 - 21364 - 0000 (16 199)
COUNTY STEVENS FROM CONFIDENTIAL
APPX _____ East
C E/2 SE Sec 10 Twp 32S Rge 37 X West

1320 Ft North from Southeast Corner of Section
820 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name HULPIED #1 UNIT WELL # 4
Field Name WILDCAT
Producing Formation UPPER MORROW

Elevation: Ground 3115' KB 3131'

SECTION PLAT



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STATE OF KANSAS
CONSERVATION DIVISION
Wichita, Kansas

ACT I
-DC-
1-18-91

WATER SUPPLY INFORMATION

Disposition of Produced Water: _____ Disposal
Docket # _____ Repressuring

Questions on this portion of ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit# T89-353

Groundwater 1485 Ft. North from Southeast Corner (well) 785 Ft. West from Southeast Corner of Sec 10 Twp 32S Rge 37 East X 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 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. Submit cp-4 form with all plugged wells. Submit cp-111 form with all temporarily abandoned wells.

All requirements of 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 B. R. Maynard B. R. MAYNARD RR

Title REGULATORY COMPLIANCE MANAGER Date 12-18-89

Subscribed and sworn to before me this 18 day of December 19 89

Notary Public Joyce George

Date Commission Expires 1/3/91

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)

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name HULPIEU #1 UNIT Well # 4

Sec 10 Twp 32S Rge 37 East West County STEVENS RELEASED

WELL LOG

1991 6 16

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. (Report all Drift 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.

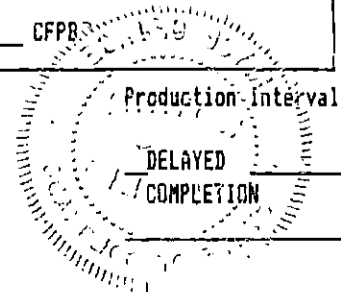
Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: right;">Top</th> <th style="text-align: right;">Bottom</th> </tr> </thead> <tbody> <tr><td>BASE STONE CORRAL</td><td style="text-align: right;">1812'</td><td></td></tr> <tr><td>CHASE</td><td style="text-align: right;">2600'</td><td></td></tr> <tr><td>COUNCIL GROVE</td><td style="text-align: right;">2922'</td><td></td></tr> <tr><td>ADMIRE</td><td style="text-align: right;">3238'</td><td></td></tr> <tr><td>WABAUNSEE</td><td style="text-align: right;">3342'</td><td></td></tr> <tr><td>HEEBNER</td><td style="text-align: right;">4060'</td><td></td></tr> <tr><td>LANSING</td><td style="text-align: right;">4224'</td><td></td></tr> <tr><td>KANSAS CITY</td><td style="text-align: right;">4580'</td><td></td></tr> <tr><td>MARMATON</td><td style="text-align: right;">4930'</td><td></td></tr> <tr><td>CHEROKEE</td><td style="text-align: right;">5110'</td><td></td></tr> <tr><td>MORROW</td><td style="text-align: right;">5600'</td><td></td></tr> <tr><td>CHESTER</td><td style="text-align: right;">5964'</td><td></td></tr> <tr><td>STE. GENEVIEVE</td><td style="text-align: right;">6121'</td><td></td></tr> <tr><td>ST. LOUIS</td><td style="text-align: right;">6260'</td><td></td></tr> <tr><td>TD</td><td style="text-align: right;">6400'</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	BASE STONE CORRAL	1812'		CHASE	2600'		COUNCIL GROVE	2922'		ADMIRE	3238'		WABAUNSEE	3342'		HEEBNER	4060'		LANSING	4224'		KANSAS CITY	4580'		MARMATON	4930'		CHEROKEE	5110'		MORROW	5600'		CHESTER	5964'		STE. GENEVIEVE	6121'		ST. LOUIS	6260'		TD	6400'	
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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"	8-5/8"	24#	1805'	CL C LITE	580 SX	65:35:6 +3% CACL2
					CL C	175 SX	+2% CACL2
Production	7-7/8"	5-1/2"	14#	6390'	CL H	325 SX	50:50:2 (STAGE 1)
					CL H	325 SX	50:50:2 +2% CACL5 (STAGE 2)
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
4	6088' - 6100'			ACIDIZED W/1050 GAL 7.5% IRON ACID W/70 1.1 BALL SEALERS SPACED EVENLY.			6088'-6100'
				FRAC'D W/ 15,273 DIESEL GELLED W/8 GPT GELLING AGT., W/ 32,300 LBS SAND			
				2ND FRAC W/23,750 DIESEL GELLED W/8 GPT GELLING AGT., W/ 32,500 LBS SAND			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)						
Delayed Completion							
Estimated Production Per 24 Hours	Oil <u>0</u> Bbls	Gas <u>0</u> MCF	Water <u>0</u> Bbls	Gas-Oil Ratio	Gravity		

Disposition of gas: Vented Sold Used on Lease

METHOD OF COMPLETION Open Hole Perforation Other (Specify) _____

Dually Completed Comingled



OPERATOR: MOBIL OIL CORPORATION
FIELD: KS OUTPOST COUNTY: STEVENS
WELL: HULPIEU 1 UT 4 SECTION: 10-32S-37W
API NO. 1518921364

ORIGINAL

DATE REMARKS

- 89 AUG 10 SPUD WELL; DRILLED HOLE FROM 81; - 1580'
SERVICE RIG
DRILLED FROM 1580' TO 1805'
CIRCULATE PRIOR TO RUNNING CASING
DROP SURVEY; TOH; LD 3-8" DC
RU & RUN 8-5/8" CSG SET @ 1805'
CIRC PRIOR TO CEMENTING
CEMENT CASING
ND; CUT-OFF 8-5/8" CSG; WELD ON HEAD AND TEST TO
- 89 AUG 11 TEST BLIND RAMS AND MANIFOLD TO 1000 PSI
RU & RIH W/ BIT #2 (7-7/8")
TIH W/ BIT #2
DRILLED CEMENT; PLUG AND INSERT @ 1784'; CMT AND SHOE
DRILLED FORMATION FROM 1805' TO 1815'
FIT @ 500 PSI FOR 13.7 PPG EMW
DRILLED FROM 1815' TO 2329'
SERVICE RIG
DRILLED FROM 2329' TO 2870'
SERVICE RIG
DRILLED FROM 2870' TO 3185'
- 89 AUG 12 DRILLED FROM 3185' TO 3225'
SERVICE RIG
DRILLED FROM 3225' TO 3546'
SERVICE RIG
DRILLED FROM 3546' TO 3980'
SERVICE RIG
DRILLED FROM 3980' TO 4255'
- 89 AUG 13 DRILLED FROM 4255' TO 4297'
SERVICE RIG
DRILLED FROM 4297' TO 4610'
SERVICE RIG
DRILLED FROM 4610' TO 4766'
DROP SURVEY; TOH FOR BIT #3; TIH
- 89 AUG 14 REAM FROM 4696' TO 4766'
DRILLED FROM 4766' TO 4893'
DRILLED FROM 4893' TO 4925'
SERVICE RIG
DRILLED FROM 4925' TO 5110'
SERVICE RIG
DRILLED FROM 5110' TO 5285'
SERVICE RIG
DRILLED FROM 5285' TO 5445'
- 89 AUG 15 DRILLED FROM 5445' - 5475'
SERVICE RIG
DRILLED FROM 5475' - 5702'
SERVICE RIG
DRILLED FROM 5702' - 5780'
CIRCULATE SAMPLES

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KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

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Wichita, Kansas

DRILLED FROM 5780' - 5790'
CIRC SAMPLES
SHORT TRIP - 11 STANDS
CIRC/COND HOLE
DROP SURVEY
TOH; SLM

89 AUG 16 MAKE UP CORE BARREL
TIH TO 3800'
CIRC HOLE
REAM 200' (4736' - 4936')
TRIPPING TO BOTTOM
TIH
CIRC MUD
PICK UP PUP JOINT

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CONSERVATION DIVISION
Wichita, Kansas

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS OUTPOST COUNTY: STEVENS
WELL: HULPIEU 1 UT 4 SECTION: 10-32S-37W
API NO. 1518921364

ORIGINAL

DATE	REMARKS
89 AUG 16	CORING 5790' - 5815' CHAIN OUT OF HOLE LD CORE BARREL, BIT JARS (RECOVERED 2') TIH
89 AUG 17	REAM TO BOTTOM (25' COVERED IN INTERVAL) DRILLED FROM 5815' - 5935' DRILLED FROM 5935' - 5965' SERVICE RIG DRILLED FROM 5965' - 6040' CIRC SAMPLES DRILLED FROM 6040' - 6120' SERVICE RIG DRILLED FROM 6120' - 6260' SERVICE RIG DRILLED FROM 6260' - 6380'
89 AUG 18	DRILLED FROM 6380' - 6400', TD CIRCULATE SHORT TRIP - 8 STANDS (NO FILL) CIRCULATE DROP SURVEY TOH FOR LOGS RU & RUN LOGS (SCHLUMBERGER) RUN #1: DIL-LDT-CNL-ML-EPT-GR;
89 AUG 19	TIH; CIRC @ 2500' & 5000' CIRC/COND HOLE TOH; LD DP & DCS BREAK KELLY RU & RUN 5-1/2" CSG SET @ 6389' CIRC MUD CEMENTED 1ST STAGE CSG AS PER ATTACHED SHEET OPEN DV (800 PSI) AND CIRCULATE CEMENTED 2ND STAGE CSG AS PER ATTACHED SHEET ND BOP; SET SLIPS; CUT OFF 5-1/2" RIG RELEASED

RELEASED

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Wichita, Kansas

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MOBIL OIL CORPORATION

DRILLING COMPLETION SUMMARY

WELL: HULPIEU 1 UT 4
API: 1518921364
WELL TYPE: DEVELOPMENT

MATCH NUMBER: 891025

COORDINATES: 1320' FSL 820' FEL
SECTION: 10-32S-37W
COUNTY: STEVENS
WELL SPUDDED: 89 AUG 10
REACHED TD: 89 AUG 18
RIG RELEASE: 89 AUG 20

FIELD: KS OUTPOST
STATE: KS

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GROUND ELEVATION: 3115
KB ELEVATION: 3131
OBJECTIVE: MORROW
PROD. CASING DEPTH: 0

ADDITIONAL COMMENTS

12/14/89

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CONSERVATION DIVISION
Wichita, Kansas

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS OUTPOST COUNTY: STEVENS
WELL: HULPIEU 1 UT 4 SECTION: 10-32S-37W
API NO. 1518921364

ORIGINAL

DATE

89 AUG 10 CASING_OD 8-5/8" TOP_CSG 0 SHOE_DEPTH 1805
CMT LEAD W/ 580 SX 65/35/6 (CLASS C/POZ/GEL) + 3% CACL2;
CMT TAIL W/ 175 SX + 2% CACL2
CMT
CMT
CMT
CMT

89 AUG 19 CASING_OD 5-1/2" TOP_CSG 0 SHOE_DEPTH 6389
CMT TAIL W/ 325 SX 50/50 POZH + 2% GEL;
CMT TAIL W/ 325 SX 50/50 POZH + 2% GEL + 12% CC
CMT
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