

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

API No. 15- 189-21097 - 00.00
COUNTY STEVENS
 East
 NW SW Sec 16 Twp 32S Rge 35 West
1980 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Operator: License # 5208
Name MOBIL OIL CORPORATION
Address P.O. BOX 5444

City/State/Zip DENVER, COLORADO 80217

Lease Name ELIZABETH MILLER WELL # 1
Field Name UNNAMED
Producing Formation CHESTER

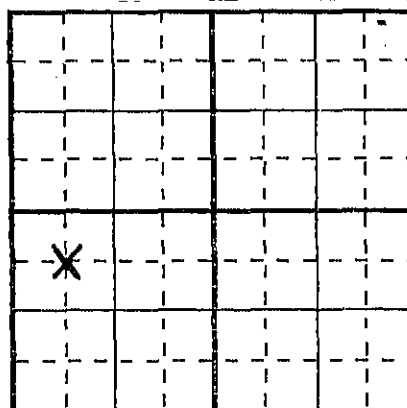
Purchaser TA'D

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

Elevation: Ground 3009' KB 3023'

Contractor: License # 9137
Name UNIT DRILLING & EXPLORATION CO.
Wellsite Geologist D.J. OSWEILER
Phone (303) 298-2391

SECTION PLAT



Designate Type of Completion
XX New Re-Entry Workover
 Oil SWD XX Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)
If DWHD: old well info as follows;
Operator
Well Name
Comp. Date

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # TA'D Repressuring

WELL HISTORY

Drilling Method:
XX Mud Rotary Air Rotary Cable
8-2-87 8-9-87 TA'D 8-12-87
Spud Date Date Reached TD Completion Date
6390' 3196'
Total Depth PBD *ALI*
Amount of Surface Pipe Set and Cemented at 1789' feet
Multiple Stage Cementing Collar Used? Yes XX No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cnt
Cement Company Name
Invoice #

Questions on this portion of ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit# T87-301
XX Groundwater 2000 Ft. North from Southeast Corner
(well) 4785 Ft. West from Southeast Corner of
Sec 16 Twp 32S Rge 35 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 82-3-130A, 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 from with all temporarily abandoned wells.

RECEIVED
8-10-88
OCT 10 1988
KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

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. Hayward B. R. HAYNARD
Title REGULATORY COMPLIANCE MANAGER Date 8-5-88
Subscribed and sworn to before me this 5th day of August
1988
Notary Public Donna J. Skinner
Date Commission Expires June 8, 1990

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)
8-10-88

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name ELIZABETH MILLER Well # 1

Sec 16 Twp 32S Rge 35 XX 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 <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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample																																																			
	<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>BASE OF STONE CORRAL</td> <td></td> <td>1790'</td> </tr> <tr> <td>WELLINGTON</td> <td>2277'</td> <td></td> </tr> <tr> <td>CHASE</td> <td>2660'</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2976'</td> <td></td> </tr> <tr> <td>ADMIRE</td> <td>3240'</td> <td></td> </tr> <tr> <td>WABAUNSEE</td> <td>3370'</td> <td></td> </tr> <tr> <td>SHAWNEE</td> <td>3763'</td> <td></td> </tr> <tr> <td>HEEBNER</td> <td>4213'</td> <td></td> </tr> <tr> <td>LANSING</td> <td>4273'</td> <td></td> </tr> <tr> <td>KANSAS CITY</td> <td>4584'</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>4990'</td> <td></td> </tr> <tr> <td>CHEROKEE</td> <td>5210'</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5630'</td> <td></td> </tr> <tr> <td>CHESTER</td> <td>5990'</td> <td></td> </tr> <tr> <td>STE. GENEVIEVE</td> <td>6186'</td> <td></td> </tr> <tr> <td>ST. LOUIS</td> <td>6272'</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	BASE OF STONE CORRAL		1790'	WELLINGTON	2277'		CHASE	2660'		COUNCIL GROVE	2976'		ADMIRE	3240'		WABAUNSEE	3370'		SHAWNEE	3763'		HEEBNER	4213'		LANSING	4273'		KANSAS CITY	4584'		MARMATON	4990'		CHEROKEE	5210'		MORROW	5630'		CHESTER	5990'		STE. GENEVIEVE	6186'		ST. LOUIS	6272'	
Name	Top	Bottom																																																		
BASE OF STONE CORRAL		1790'																																																		
WELLINGTON	2277'																																																			
CHASE	2660'																																																			
COUNCIL GROVE	2976'																																																			
ADMIRE	3240'																																																			
WABAUNSEE	3370'																																																			
SHAWNEE	3763'																																																			
HEEBNER	4213'																																																			
LANSING	4273'																																																			
KANSAS CITY	4584'																																																			
MARMATON	4990'																																																			
CHEROKEE	5210'																																																			
MORROW	5630'																																																			
CHESTER	5990'																																																			
STE. GENEVIEVE	6186'																																																			
ST. LOUIS	6272'																																																			

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#	1789'	CL C	640 SX	65:35:6 +2% CaCl ₂
					CL C	100 SX	+2% CaCl ₂
Production	7-7/8"	5-1/2"	14#	3196'	CL H	670 SX	50:50 PDZ +2% GEL
						SX	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
TA'D	TA'D						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size NA	Set At	Packer At					
Date of First Production	Producing Method						
TA'D	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain) _____						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	TA'D Bbls	_____ MCF	_____ Bbls	_____ CFPB			

Disposition of gas: Vented Sold Used on Lease

METHOD OF COMPLETION: Open Hole Perforation Other (Specify) _____

Production Interval: _____

Dually Completed Commingled

MOBIL OIL CORPORATION

DRILLING COMPLETION SUMMARY

WELL: ELIZABETH MILLER 1 MATCH NUMBER: 871120
API: 1518921097
WELL TYPE: WILDCAT

COORDINATES: 1980' FSL 4620' FEL
SECTION: 16-32S-35W FIELD: KS WILDCAT
COUNTY: STEVENS STATE: KS
WELL SPUDDED: 87 AUG 02
REACHED TD: 87 AUG 09
RIG RELEASE: 87 AUG 11

GROUND ELEVATION: 3009
KB ELEVATION: 3023
OBJECTIVE: CHESTER
PROD. CASING DEPTH: 3196

ADDITIONAL COMMENTS

02/23/88

RECEIVED
STATE CORPORATION COMMISSION

112 1 0 1988

CONSERVATION DIVISION
Wichita, Kansas

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS WILDCAT COUNTY: STEVENS
WELL: ELIZABETH MILLER 1 SECTION: 16-32S-35W
API NO. 1518921097

DATE

87 AUG 03 CASING_OD 8-5/8" TOP_CSG 0 SHOE_DEPTH 1789
CMT DOWELL PUMPED 20 BBLs F/WATER PREFLUSH - LEAD SLURRY 640 SX
CMT CLASS 'C' POZ GELL 65:35:6 + 2% CACL SLURRY WT 12.4 PPG;TAIL
CMT 100 SX CLASS 'C' + 2% CACL; SLURRY WT 14.8 PPG; DISPLACED W/
CMT 113 BBLs F/WATER; 78 BBLs CMT RETURN TO SURFACE; BUMP PLUG
CMT
CMT

87 AUG 11 CASING_OD 5-1/2" TOP_CSG 0 SHOE_DEPTH 3196
CMT CEMENTED CASING W/670 SX 50/50 POZ 'H' + 2% GEL; PLUG DOWN
CMT AT 0525 HRS
CMT
CMT
CMT
CMT

RECEIVED
STATE CORPORATION COMMISSION

AUG 10 1986

CONSERVATION DIVISION
Wichita, Kansas

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS WILDCAT COUNTY: STEVENS
WELL: ELIZABETH MILLER 1 SECTION: 16-32S-35W
API NO. 1518921097

DATE	REMARKS
----	-----
87 AUG 02	SPUD WELL; DRILLED FROM 75' TO 1475' POOH 2 STDS PUMP LCM PILL AND REGAIN CIRC RIH DRILLED FROM 1475' TO 1479' SERVICE RIG DRILLED FROM 1479' TO 1700' LOST 300 PSI-CHECK SURFACE EQUIPMENT-OK;POOH; FOUND WASHOUT RIH DRILLED FROM 1700' TO 1789' CIRC SURVEYED POOH RU SCHLUMBERGER; RUN BHC SONIC/GR; RD SCHLUMBERGER RIH (3' FILL) CIRC POOH; LD DC'S
87 AUG 03	RU CSG TOOLS RUN 8-5/8" CSG; SET AT 1789' INSTALL CEMENT HEAD AND CIRC VOLUME OF CSG CEMENTED 8-5/8" CSG CUT OFF CSG; WELD ON HEAD WELD WELL HEAD ON 8-5/8" CSG TEST WELL HEAD TO 1000 PSI-OK NU BOP TEST BLIND RAMS AND MANIFOLD TO 1500 PSI-OK MU BIT AND NEW BHA-RIH TEST PIPE RAMS TO 1500 PSI AND HYDRIL TO 100 PSI-OK DRILLING OUT SHOE JOINT DRILLING FORMATION 1789' TO 1800' CONDUCT FIT W/450 PSI-13.0 PPG EMW DRILLED FROM 1800' TO 1979' RIG SERVICE DRILLED FROM 1979' TO 2500' RIG SERVICE DRILLED FROM 2500' TO 2855'
87 AUG 04	DRILLED FROM 2855' TO 2910'; LOST CIRC 2855' TO 2875' (140 RIG SERVICE DRILLED FROM 2910' TO 3228'; LOST CIRC 3052' TO 3065' RIG SERVICE DRILLED FROM 3228' TO 3560'; LOST CIRC 3410' TO 3430' RIG SERVICE DRILLED FROM 3560' TO 3879'; LOST CIRC 3758' TO 3776' (200

RECEIVED
STATE CORPORATION COMMISSION

AUG 10 1988

CONSERVATION DIVISION
Wichita, Kansas

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS WILDCAT COUNTY: STEVENS
WELL: ELIZABETH MILLER 1 SECTION: 16-32S-35W
API NO. 1518921097

DATE	REMARKS
----	-----
87 AUG 05	DRILLED FROM 3879' TO 3916' SERVICE RIG DRILLED FROM 3916' TO 4180' SERVICE RIG DRILLED FROM 4180' TO 5136' SERVICE RIG DRILLED FROM 4460' TO 4710'
87 AUG 06	DRLG FROM 4710'-4737' SERVICE RIG DRLG FROM 4737'-4965'; LOST CIRC 4737'-4744' -100 BBLs SERVICE RIG DRLG FROM 4965'-5140' DROP SURVEY SLM OUT OF HOLE (4' CORRECTION) -5136'; CHANGE BIT, TIH; WASH
87 AUG 07	DRLG FROM 5136'-5229' DRILLED FROM 5229' TO 5252' SERVICE RIG DRILLED FROM 5252' TO 5422' (LOST CIRC 5277' TO 5288' (250 SERVICE RIG DRILLED FROM 5422' TO 5660' SERVICE RIG DRILLED FROM 5660' TO 5873'
87 AUG 08	DRILLED FROM 5873' TO 5900' SERVICE RIG DRILLED FROM 5900' TO 6105' SERVICE RIG DRILLED FROM 6105' TO 6172' CIRC FOR SAMPLES DRILLED FROM 6172' TO 6270' SERVICE RIG DRILLED FROM 6270' TO 6390' (TD)
87 AUG 09	SHORT TRIP CONTINUE SHORT TRIP FOR LOGS CIRC AND COND FOR LOGS DROP SURVEY SLM OUT OF HOLE; LD 2 JTS DP RU SCHLUMBERGER; RUN LOGS; RUN #1-DIL/BHC/GR; #2-LDL/CNL/ML/ WAIT ON ORDERS FROM ARCO
87 AUG 10	WAIT ON ORDERS FROM ARCO TIH OPEN ENDED W/DP TO 3360'

RECEIVED
STATE CORPORATION COMMISSION

AUG 10 1966

CONSERVATION DIVISION
Wichita, Kansas

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS WILDCAT COUNTY: STEVENS
WELL: ELIZABETH MILLER 1 SECTION: 16-32S-35W
API NO. 1518921097

DATE	REMARKS
87 AUG 10	CIRC AND RU NICHOLS LD MACHINE TIH W/DP TO 5508' LD DP TO 3300'; RU DOWELL CIRC AND COND MUD; RU DOWELL SET PLUG AT 3300' W/125 SX CLASS 'H' + 2% CACL TOOH AND LD 7 JTS WOC PLUG TIH AND TAG PLUG AT 3100' DRESS PLUG TO 3200' CIRC AND COND MUD LD DP
87 AUG 11	RU NICHOLS CSG CREW; RUN 5-1/2" CSG; SET AT 3196' INSTALL CEMENT HEAD AND CIRC CEMENTED 5-1/2" CSG RD DOWELL ND BOP; SET SLIPS FINISH CUTTING OFF CASING CLEAN PITS; RELEASED RIG

RECEIVED
STATE CORPORATION COMMISSION

AUG 10 1988

CONSERVATION DIVISION
Wichita, Kansas