

ORIGINAL

SIDE ONE

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

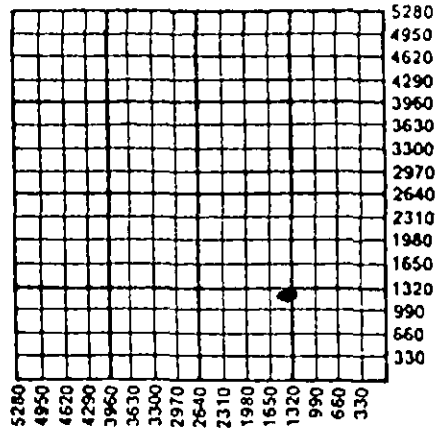
Operator: License # 5208
Name: MOBIL OIL CORPORATION
Address 2319 NORTH KANSAS
LIBERAL, KS 67901
Purchaser: SOLD ON THE SPOT MARKET
Operator Contact Person: RAE KELLY
Phone (316) 626-1160
Contractor: Name: ZENITH DRILLING CORPORATION
License: 5141
Wellsite Geologist: B. G. JOSEPHSON

Designate Type of Completion
 New Well 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 _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
6/12/90 2862 9/13/90
Spud Date Date Reached TD Completion Date

API NO. 15- 189-21,409-00-00
County STEVENS
APX C SE Sec. 6 Twp. 33S Rge. 38 East West
1250 Ft. North from Southeast Corner of Section
1390 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name SHAFFER #1 UNIT Well # 5
Field Name HUGOTON
Producing Formation CHASE
Elevation: Ground 3188.2 KB 3199.2
Total Depth 2862 PBD 2820



Amount of Surface Pipe Set and Cemented at 669 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set NA Feet
If Alternate II completion, cement circulated from NA
feet depth to NA w/ NA 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 R. Kelly
Title ENGINEERING TECHNICIAN Date 11/2/90
Subscribed and sworn to before me this 2nd day of November, 1990.
Notary Public Edith L. Cunningham

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)

Date Commission Expires November 8, 1991
NOTARY PUBLIC - State of Kansas
EDITH L. CUNNINGHAM
My Appt. Exp. 11-8-91

NOV 5 1990
11-5-90

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name SHAHER #1 UNIT Well # 5

Sec. 6 Twp. 33S Rge. 38 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<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: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr><td>GLORIETTA</td><td>1238</td><td>1356</td></tr> <tr><td>STONE CORRAL</td><td>1680</td><td>1706</td></tr> <tr><td>HERRINGTON</td><td>2458</td><td>2466</td></tr> <tr><td>UPPER KRIDER</td><td>2480</td><td>2504</td></tr> <tr><td>LOWER KRIDER</td><td>2504</td><td>2534</td></tr> <tr><td>WINFIELD</td><td>2546</td><td>2590</td></tr> <tr><td>TOWANDA</td><td>2613</td><td>2655</td></tr> <tr><td>FT. RILEY</td><td>2674</td><td>2704</td></tr> <tr><td>COUNCIL GROVE</td><td>2704</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	GLORIETTA	1238	1356	STONE CORRAL	1680	1706	HERRINGTON	2458	2466	UPPER KRIDER	2480	2504	LOWER KRIDER	2504	2534	WINFIELD	2546	2590	TOWANDA	2613	2655	FT. RILEY	2674	2704	COUNCIL GROVE	2704	
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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	12-1/4"	8-5/8"	24#	669'	CL H LITE	261	65:35:6+3%CC
					CL H	155	W/3% CC
PRODUCTION CSG.	7-7/8"	5-1/2"	14#	2862'	CL H	261	65:35:6
					CH H	175	50:50LT:2%CC

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	2458'-2462'	ACIDIZED W/7200 GAL 15% HCL	2458-2704
	2480'-2490'		
	2504'-2530'	FRAC'D W/102,500 GAL GELLED	
	2546'-2558'	FLUID W/413,000 LBS SAND	
	2564'-2590'		
	2613'-2632'		
	2638'-2654'		
	2674'-2704'		

TUBING RECORD Size NA Set At NA Packer At NONE Liner Run Yes No

Date of First Production W/O CONNECTION Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
				500				

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 2458'-2704'

ORIGINAL

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS HUGOTON COUNTY: STEVENS
WELL: SHAFER 1 UNIT 5 SECTION: 6-33S-38W
API NO. 1518921409

DATE	REMARKS
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90 JUN 12	SPUD WELL; DRLD TO 250' SURVEY DRLG FR/250'-670' C&C TO RUN CSG SURVEY RU CSG CREW, RUN 15 JNTS 8-5/8" C&C HOLE TO CMT CMT CSG CUT OFF CSG, WELD ON HEAD NU BOP TIH; TST BOP-NO TST DRLG FR/670'-1169'
90 JUN 13	SURVEY DRLG FR/1169'-1420' DRLG FR/1420'-1671' SURVEY LOST CIRC @ 671'; TOH, BUILD VOL ND BOP, CHANGE FLANGE TIH DRLG FR/1671'-2025' RIG SERVICE DRLG FR/2025'-2234'
90 JUN 14	SURVEY DRLG FR/2234'-2455' DRLG FR/2455'-2500' RIG SERVICE DRLG FR/2500'-2814' TOH TO SURFACE PIPE BUILD VOLUME TIH DRLG FR/2814'-2862' CIRC FOR LOGS TOH TO LOG LOGGING
90 JUN 15	TIH C&C MUD & HOLE TO RUN CSG LD DP CONT TO LD DP & DC RU & RUN CSG CMT CSG SET SLIPS; CUT OFF; ND CLN PITS; RELEASE RIG

RECEIVED
STATE GEOLOGICAL COMMISSION

NOV 5 1990

ORIGINAL

MOBIL OIL CORPORATION

DRILLING COMPLETION SUMMARY

WELL: SHAFER 1 UNIT 5
API: 1518921409
WELL TYPE: DEVELOPMENT

MATCH NUMBER: 901017

COORDINATES: 1250' FSL 1390' FEL
SECTION: 6-33S-38W
COUNTY: STEVENS
WELL SPUDDED: 90 JUN 12
REACHED TD: 90 JUN 14
RIG RELEASE: 90 JUN 15

FIELD: KS HUGOTON
STATE: KS

GROUND ELEVATION: 3188
KB ELEVATION: 0
OBJECTIVE: CHASE
PROD. CASING DEPTH: 0

ADDITIONAL COMMENTS

D1

11/02/90

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STATE OF KANSAS COMMISSION

NOV 5 1990

ORIGINAL

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS HUGOTON COUNTY: STEVENS
WELL: SHAFER 1 UNIT 5 SECTION: 6-33S-38W
API NO. 1518921409

DATE

90 JUN 12 CASING_OD 8-5/8" TOP_CSG 0 SHOE_DEPTH 669
CMT CMT W/210 SXS CL 'H' W/65-35-6 LITE, 3% CC, YIELD 1.87, WTR
CMT 10.09, SLURRY WT 12.7, TAIL IN W/155 SXS CL 'H' W/3% CC,
CMT YIELD 1.08, WTR 4.3, SLURRY WT 16.4; PREFLUSH W/20 BFW,
CMT FULL CIRC, PIPE RECIP, FLOATS HELD.
CMT
CMT

90 JUN 15 CASING_OD 5-1/2" TOP_CSG 0 SHOE_DEPTH 2862
CMT CMT CSG W/261 SXS CL 'H' W/65-35-6 W/1/4# FLOCEAL, YIELD
CMT 1.87, WTR 9.9, SLURRY WT 12.7, TAIL IN W/175 SXS CL 'H' W/
CMT 50-LITE POZ, 2% CC, 1/4# FLOCEAL, YIELD 1.21, WTR 5.75,
CMT SLURRY WT 14.2, DID NOT CIRC BEFORE CMTG OR RECIP PIPE DUE
CMT TO L.C. PROB, PARTIAL RETURNS THRU JOB, FLOATS HELD.
CMT

RECEIVED
STATE OF KANSAS DEPARTMENT OF REVENUE

NOV 5 1990