

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

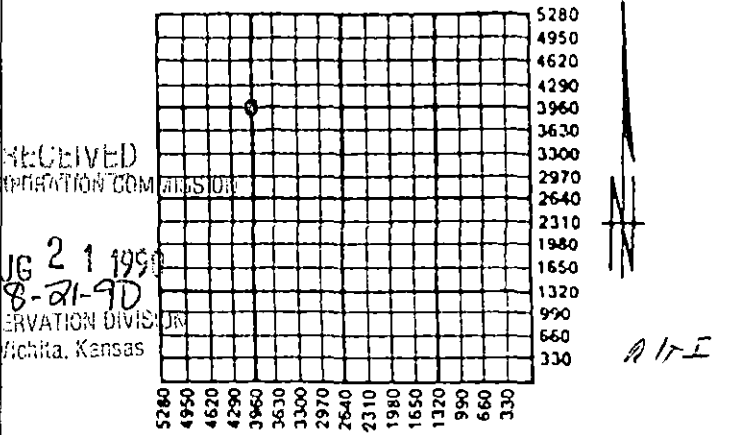
City/State/Zip LIBERAL, KS 67901
Purchaser: SPOT MARKET
Operator Contact Person: RAE KELLY
Phone (316) 626-1160
Contractor: Name: CHEYENNE DRILLING, INC.
License: 5382
Wellsite Geologist: E. S. NORBY

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

If OWWD: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
1/9/90 1/22/90 4/14/90
Spud Date Date Reached TD Completion Date

API NO. 15- 189-21401-1700-00
County STEVENS
APP C NW Sec. 27 Twp. 33S Rge. 38 East West
3961.29 Ft. North from Southeast Corner of Section
3967.98 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name COULTER #2 UNIT Well # 4
Field Name HUGOTON
Producing Formation CHASE
Elevation: Ground 3173 KB 3184
Total Depth 6678' PBTD 3017'



Amount of Surface Pipe Set and Cemented at 1785' 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 _____ w/ _____ 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-1 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 8/20/90
Subscribed and sworn to before me this 20th day of August, 19 90.
Notary Public Edith L. Cunningham
Date Commission Expires November 8, 1991

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)

NOTARY PUBLIC - State of Kansas
EDITH L. CUNNINGHAM
My Appt. Exp. 11-8-91

PI

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name COULTER #2 UNIT Well # 4
 Sec. 27 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample		
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		Name	Top	Bottom
		CHASE	2547'	
		COUNCIL GROVE	2854'	
		ADMIRE	3122'	
		MORROW	5706'	
		CHESTER	6202'	
		ST. LOUIS	6427'	

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 CASING	12-1/4	8-5/8	24#	1785'	CL 'C' LITE	600	3% CACL2
					CL 'C'	250	2% CACL2
PROD. CASING	7-7/8	5-1/2	14#	3055'	50/50/2	500	2% CACL2

PERFORATION RECORD			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated		Depth	
2 SPF	2518 - 2524		ACIDIZED W/8200 GAL 15% HCl	
2 SPF	2544 - 2556		2518 - 2776	
2 SPF	2620 - 2637			
2 SPF	2637 - 2656		FRAC'D W/139,160 GAL GELLED	
2 SPF	2574 - 2602		FLUID W/440.80 MLBS SAND	
2 SPF	2704 - 2678			
2 SPF	2730 - 2704			
2 SPF	2746 - 2776			

TUBING RECORD	Size 2-3/8"	Set At 3,000	Packer At NONE	Liner Run <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	----------------	-----------------	-------------------	--

Date of First Production W/O CONNECTION	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
--	---

Estimated Production Per 24 Hours	Oil Bbls.	Gas Hcf 900	Water Bbls. 0	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: 2518 - 2776

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS OUTPOST COUNTY: STEVENS
WELL: COULTER 2 UT 4 SECTION: 27-33S-38W
API NO. 15021401

ORIGINAL

DATE	REMARKS
90 JAN 09	SPUD WELL; DRLG F/ 60'-314' PMP CLUTCH FAILED; POH, REPLACE; TIH
90 JAN 10	DRLG F/ 314'-815' DRLG F/ 815'-960' RIG SERVICE DRLG F/ 960'-1785' CIRC/COND MUD DROP SURVEY POH; LD DC RUN 8-5/8" CSG, SET @ 1785' CIRC/COND MUD CEMENT CSG CUT OFF CSG; WELD ON HEAD & TEST @ 1000#
90 JAN 11	NU BOP; TEST BLIND, CNL & KILL, MAN CSG @ 1500# TIH W/ BIT #2 TEST PIPE RAMS, CHK, MAN, KILL & CSG @ 1500# DRLG PLUG & FLOAT COLLAR TEST SHOE JT @ 1500# FIN DRLG SHOE JT DRLG F/ 1785'-1800' FIT 400# W/ 8.6 PPG = 12.9 PPG EMW DRLG F/ 1800'-2277' RIG SERVICE DRLG F/ 2277'-2685' RIG SERVICE DRLG F/ 2658'-3015'
90 JAN 12	DRLG F/ 3015'-3075' RIG SERVICE DRLG F/ 3075'-3354' RIG SERVICE; REPAIR GEOLOGRAPH DRLG F/ 3354'-3615' RIG SERVICE DRLG F/ 3615'-3904'
90 JAN 13	DRLG F/ 3904'-3966' RIG SERVICE DRLG F/ 3966'-3998' WORKING STUCK PIPE; STUCK W/ WRAPPING CHAIN ON CONN. SPOT OIL OR OTHER FLUID & SOAK TIME; USE 70 BBL OIL; PIPE WORKING STUCK PIPE RU HOWCO; WORK PIPE W/O SUCCESS; CLOSE RAMS & VENT N2 TO WORKING STUCK PIPE; RD HOWCO DROP BAR T/ ASSURE DRL FLOAT OPEN; SPOT 65 BBL OIL W/ 2%
90 JAN 14	CIRC OUT FREE OIL; WASH/REAM 8' FILL DRLG F/ 3998'-4030' RIG SERVICE DRLG F/ 4030'-4153' DRLG F/ 4153'-4214'

RECEIVED
STATE CORPORATION COMMISSION

AUG 21 1990

CONSERVATION DIVISION
Wichita, Kansas

RIG SERVICE
DRLG F/ 4214'-4396'
RIG SERVICE
DRLG F/ 4396'-4611'
RIG SERVICE
DRLG F/ 4611'-4744'

ORIGINAL

90 JAN 15 DRLG F/ 4744'-4797'
RIG SERVICE
DRLG F/ 4797'-4856'
CLEAN SUCTION PIT
DRLG F/ 4856'-4915'
RIG SERVICE
DRLG F/ 4915'-5070'
RIG SERVICE
DRLG F/ 5070'-5218'

RECEIVED
STATE CORPORATION COMMISSION

AUG 21 1990

CONSERVATION DIVISION
Wichita, Kansas

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS OUTPOST COUNTY: STEVENS
WELL: COULTER 2 UT 4 SECTION: 27-33S-38W
API NO. 15021401

ORIGINAL

DATE	REMARKS
----	-----
90 JAN 16	TRIP F/ NEW BIT DRLG F/ 5218'-5282' RIG SERVICE DRLG F/ 5282'-5425' RIG SERVICE DRLG F/ 5425'-5610'
90 JAN 17	DRLG F /5610'-5650' RIG SERVICE DRLG F/ 5650'-5832' RIG SERVICE DRLG F/ 5832'-6000' RIG SERVICE DRLG F/ 6000'-6132', TD
90 JAN 18	CIRCULATING UP SAMPLES CIRC SAMPLES DRLG F/ 6132'-6142' CIRCULATING SAMPLES W/O ORDERS F/ GEOLOGY CIRC/COND MUD; 15 STD SHORT TRIP; 5' FILL SURVEY DST #1; STRAP OUT OF HOLE; NO CORRECTION; MU TOOLS & TIH;
90 JAN 19	TOH & RIG DOWN DST TOOLS TIH W/ BIT CIRC/COND MUD; EVALUATE GAS INFLUX AFTER DST DRLG F/ 6142'-6164' CIRC F/ SAMPLES DRLG F/ 6164'-6186' CIRC F/ SAMPLES
90 JAN 20	DRLG F/ 6186'-6264' DRLG F/ 6264'-6295' RIG SERVICE DRLG F/ 6295'-6419' RIG SERVICE DRLG F/ 6419'-6477' CIRC F/ SAMPLES DRLG F/ 6477'-6540'
90 JAN 21	RIG SERVICE DRLG F/ 6540'-6632' DRLG F/ 6632'-6664' RIG SERVICE DRLG F/ 6664'-6678', TD 10 STAND SHORT TRIP; NO DRAG/FILL CIRC/COND HOLE DROP SURVEY TOH RU & RUN LOGS: #1: DIL/BHC -SONIC, #2: LDT/CNL-MICROLOG;

RECEIVED
WICHITA STATE UNIVERSITY COMMISSION

AUG 21 1990

CONSERVATION DIVISION
Wichita, Kansas

90 JAN 22 TIH W/ 58 STD OF DRL PIPE
RU & LD 10 JTS OF DP
RU WESTER; CEMENTING; BTM PLUG @ 3250', TOP @ 3025'
CEMENT PLUG F/ 3250'-3050'
LDDP
STRAP IN HOLE W/ BIT
WASH DOWN 8'; TAG FIRM CMT @ 3055'
CIRCULATE HOLE
LDDP & COLLARS
RUN 5-1/2" CSG, SET @ 3055'
CIRC/COND MUD
CEMENT CSG; PLUG DOWN
ND & CLEAN PITS; RIG RELEASED

ORIGINAL

RECEIVED
CONSERVATION COMMISSION

AUG 21 1990

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

MOBIL OIL CORPORATION

DRILLING COMPLETION SUMMARY

WELL: COULTER 2 UT 4
API: 15021401
WELL TYPE: DEVELOPMENT

MATCH NUMBER: 901001

COORDINATES: 1320' FNL & 1320' FWL
SECTION: 27-33S-38W
COUNTY: STEVENS
WELL SPUDDED: 90 JAN 09
REACHED TD: 90 JAN 21
RIG RELEASE: 90 JAN 22

FIELD: KS OUTPOST
STATE: KS

GROUND ELEVATION: 3173
KB ELEVATION: 3184
OBJECTIVE: UPPER MORROW
PROD. CASING DEPTH: 0

ADDITIONAL COMMENTS

D1

RECEIVED
WICHITA, KANSAS
AUG 21 1990
CONSERVATION DIVISION
Wichita, Kansas

07/12/90

OPERATOR: MOBIL OIL CORPORATION
FIELD: KS OUTPOST COUNTY: STEVENS
WELL: COULTER 2 UT 4 SECTION: 27-33S-38W
API NO. 15021401

ORIGINAL

DATE

90 JAN 09 CASING_OD 14" TOP_CSG 0 SHOE_DEPTH 60
CMT CONDUCTOR SET PRIOR TO MIRU
CMT
CMT
CMT
CMT
CMT

90 JAN 10 CASING_OD 8-5/8" TOP_CSG 0 SHOE_DEPTH 1785
CMT LEAD: CMT W/ 600 SX 'C' LITE, 65/35/G, 3% CACL2, 1.99 YIELD,
CMT 10.97 WTR, 12.4 SLURRY WT; TAIL W/ 250 SX 'C', 2% CACL2,
CMT 1.33 YIELD, 6.32 WTR, 14.8 SLURRY WT; PREFLUSH W/ 20 BFW,
CMT FULL CIRC; PIPE RECIP; CMT RTNS TO SURF (100 BBLS), FLOATS
CMT HELD
CMT

90 JAN 22 CASING_OD 5-1/2" TOP_CSG 0 SHOE_DEPTH 3055
CMT CMT S/ 500 SX 50/50/2 (H/POZ/GEL), 2% CACL2, 1.26 YIELD,
CMT 5.75 WTR, 14.2 SLURRY WT; PREFLUSH W/ 20 BFW; FULL CIRC;
CMT PIPE RECIP; NO CMT RTNS TO SURF; FLOATS HELD
CMT
CMT
CMT

RECEIVED
STATE CORPORATION COMMISSION

AUG 21 1990

CONSERVATION DIVISION
Wichita, Kansas