

ORIGINAL

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

API NO. 15- 189-21567-00-00

County Stevens
- SW - SW - NE Sec. 23 Twp. 33S Rge. 35W X W E

Operator: License # 5208

2987 FSL Feet from SN (circle one) Line of Section

Name: Mobil Oil Corporation

2208.5FEL Feet from EW (circle one) Line of Section

Address P.O. Box 2173

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

2319 North Kansas Avenue

Lease Name CP-Grothe Well # B-1

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: NA

Producing Formation NA

Operator Contact Person: Rae Kelly

Elevation: Ground 2958 KB

Phone (316) 626-1160

Total Depth 106 PBDT NA

Contractor: Name: Midwest Well & Pump

Amount of Surface Pipe Set and Cemented at None Feet

License: 0532

Multiple Stage Cementing Collar Used? NA Yes NA No

Wellsite Geologist: _____

If yes, show depth set NA Feet

Designate Type of Completion

If Alternate II completion, cement circulated from NA

 New Well Re-Entry Workover

feet depth to NA w/ NA sx cmt.

 Oil SWD SIOW Temp. Abd.

Drilling Fluid Management Plan ALT 3 82/ 7-11-94
(Data must be collected from the Reserve Pit) NA

 Gas ENHR SIGW

 Dry X Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Chloride content _____ ppm Fluid volume _____ bbls

Operator: _____

Dewatering method used _____

Well Name: _____

Location of fluid disposal if hauled offsite: _____

Comp. Date _____ Old Total Depth _____

Operator Name _____

 Deepening Re-perf. Conv. to Inj/SWD

 Plug Back _____ PBDT

 Commingled _____ Docket No. _____

 Dual Completion _____ Docket No. _____

 Other (SWD or Inj?) _____ Docket No. _____

Lease Name _____ License No. _____

10-19-93 10-19-93
Spud Date Date Reached TD Completion Date

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 R. Kelly

Title ER Technician Date 3-17-94

Subscribed and sworn to before me this 17th day of March 1994.

Notary Public Sharon A. Cook Sharon A. Cook

Date Commission Expires October 1, 1994

SEE ATTACHED FOR DETAILS BEW94119.RK



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
V KCC SWD/Rep NGPA
KGS Plug Other (Specify)

Form ACO-1 (7-91)

P1

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name CP-Grothe Well # B-1

Sec. 23 Twp. 33S Rge. 35W 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.) List All E.Logs Run: Electric Resistance Log - Attached	<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Formation (Top), Depth and Datums Name Top Datum See Attached Driller's Log
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CASING RECORD <input 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

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	(1) First plug - Bentonite set at 40' - 2' plug.			
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone	(2) Second plug - Bentonite set at 13' - 10' plug. (See attached Cathodic Protection Borehole sketch).			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
First anode set at	95'	second anode at 85'	third anode at 75'	fourth anode at 65', fifth anode at 55',
sixth anode at	45'			

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
1" PVC vent from TD to 3' above surface.					NA			
Date of First, Resumed Production, SWD or Inj. Installed 10-19-93			Producing Method					
			NA <input 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	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	NA		NA		NA			

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

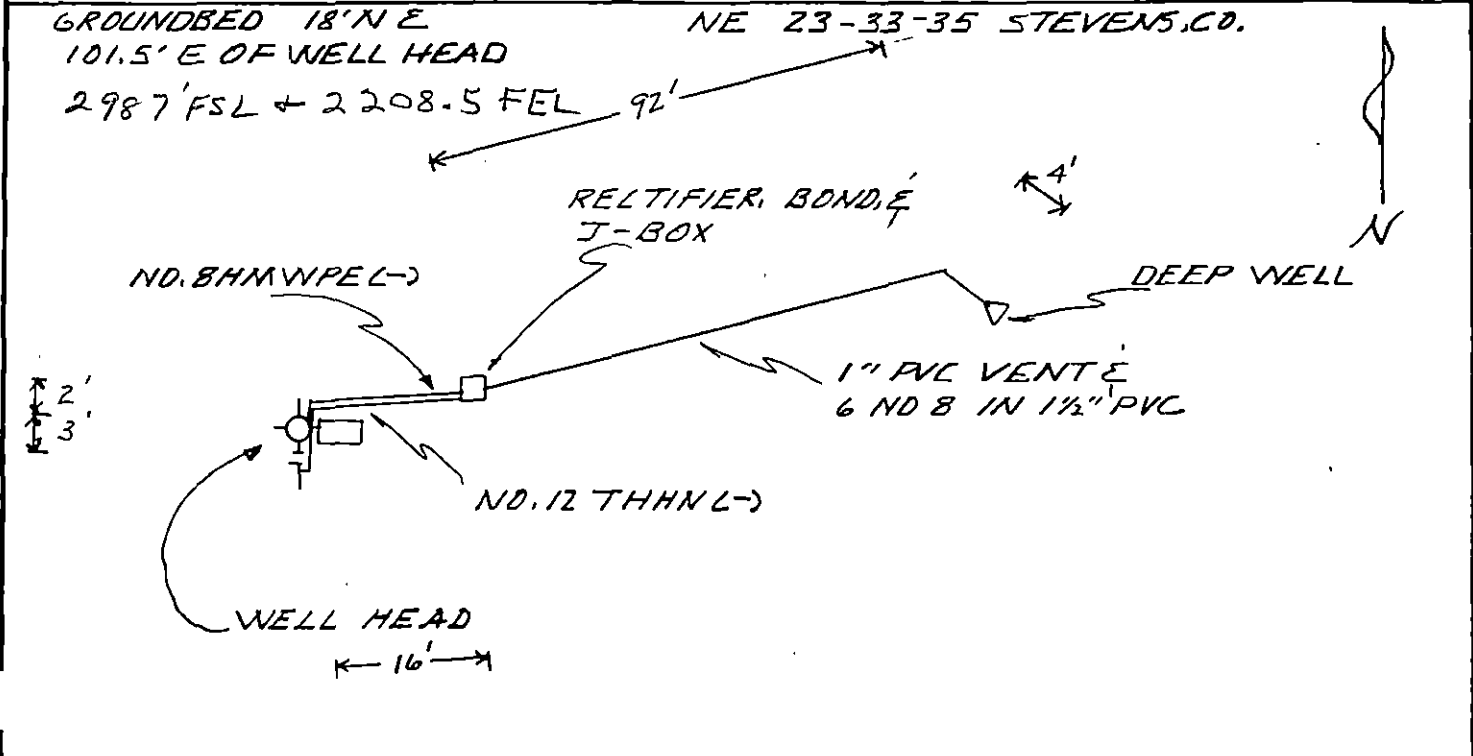
Open Hole Perf. Dually Comp. Conmingled

Other (Specify) _____

Production Interval _____

ORIGINAL

OPERATOR: MOBIL OIL CORPORATION		
FIELD: HUGOTON	LEASE: GROTHE B	WELL NO. 1
FINAL CHECK: Polarity _____ Date 10-19-93	RECTIFIER DATA: Model AUP Setting: C-1, F3	Ser. No. 931679 Volts 3.20 Amps 3.52



POTENTIALS AT INSULATING FLANGE			GROUNDBED DATA	
Rectifier	Off	On	No. & Type of Anodes	6 EA. - 3' X 60" UCLAR 79
Well Head	-0.640	-0.721	Horizontal	Vertical 778 X 106'
Flow Line	-1.032	-1.062	Backfill	ASBURY 218R
Other			Resistance	

INTERFERENCE DATA				
Line No. and Description	Off	Potential On	IR Drop Mv.	Remarks
1				0.630 AMP DRAIN FROM FLOW LINE
2				
3				

ADDITIONAL DATA			CORROSION SPECIALISTS, LTD. CORROSION ENGINEERS, SUPPLIERS, ERECTORS DENVER - FARMINGTON		
FINAL ANODE DRAIN, AMPS			WELL CASING CATHODIC PROTECTION INSTALLATION DATA		
#1 = 1.07	#2 = 0.380	#3 = 0.350			
#4 = 0.260	#5 = 0.610	#6 = 0.530			
DR. BY RTILEB	PRO. NO. 394-3	DRG. NO.			
SCALE NONE	DATE 10-21-93	394-3-21			

WELL TYPE GROUNDBED DATA

ORIGINAL

Data Sheet No. 21

COMPANY MOBIL OIL CORPORATION JOB No. 394-3 DATE: 10-19-93

ELL: GROTHE B-1 PIPELINE _____

LOCATION: SEC. 23 TWP. 33 RGE 35 CO. STEVENS STATE KANSAS

ELEV. _____ ft. ROTARY _____ ft. CABLE TOOL _____ ft. CASING _____ ft.

GROUNDBED: DEPTH 106 ft. DIA. 7 7/8 in. GAB 1400 lbs. ANODES G.E.A.-3"X60" UCAR 79

DEPTH. FT.	DRILLER'S LOG	FINAL ANODE TO STRUCTURE			EXPLORING ANODE TO STRUCTURE			DEPTH TOP OF ANODES
		E	I	R	E	I	R	
0	0-21 SANDY BROWN CLAY-	12.1			12.2			
5	MORE SAND THAN CLAY							
10	21-61 RED SANDY CLAY							
15	61-106 BROWN CLAY							
20								
25								
30						0.8		
35						.5		
40						.2		
45			4.3			1.3		#6
50						2.8		
55			5.2			2.7		#5
60						1.8		
65			3.5			1.1		#4
70						1.1		
75			4.2			1.5		#3
80						1.8		
85			3.7			1.4		#2
90						1.2		
95			2.9			.8		#1
100						.3		
105								
110								
115								
120								
125								
130								
135								
140								
145								
150								
	3' OF HOLE PLUG ON TOP OF							
	COKE & 10' OF HOLE PLUG							
	IN TOP OF HOLE							
	PIT OPEN 10-19-93							
	PIT CLOSED 10-19-93							

GROUNDING RESISTANCE: (1) VOLTS _____ + AMPS _____ - _____ OHMS

Corrosion Specialists, Ltd.

(2) VIBROGROUND _____ OHMS

Cathodic Protection Borehole

CP - Grothe Well #B-1
Sec. 23-33S-35W
Stevens County, Kansas

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