

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

API NO. 15- 055-214580000 **ORIGINAL**
County Finney
NE - NE - NW Sec. 34 Twp. 24 Rge. 34 X W
E

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173

2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905-2173

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Norseman Drilling Inc.

License: 3779

Wellsite Geologist: L. J. Reimer

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

1-10-96 1-13-96 2-8-96
Spud Date Date Reached TD Completion Date

375 Feet from S/N (circle one) Line of Section

2450 Feet from E/W (circle one) Line of Section

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

Lease Name Brown #28 Unit Well # 30

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2986 KB 2996

Total Depth 2850 PBSD 2802

Amount of Surface Pipe Set and Cemented at 1070 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.

Drilling Fluid Management Plan see I 6-14-96
(Data must be collected from the Reserve Pit) RL

Chloride content 15,000 ppm Fluid volume 130 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name William Rapp #1 SWD License No. 5208

NW Quarter Sec. 13 Twp. 31 S Rng. 36 E/W

County Stevens Docket No. D-19,690

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 Kathleen Poulton Kathleen Poulton

Title Administrative Assistant Date 4-30-96

Subscribed and sworn to before me this 30 day of April, 19 96.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999 RECEIVED KANSAS CORPORATION COMMISSION

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

NOTARY PUBLIC - State of Kansas
DANA S. BAILEY
My Appl. Exp. 8-30-99

MAY 01 1996
5-1-96
CONSERVATION DIVISION
WICHITA, KS

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Brown #28 Unit Well # 30
 Sec. 34 Twp. 24 Rge. 34 East West
 County Finney

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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Log Formation (Top), Depth and Datums Sample
 Name Top Datum

List All E.Logs Run:
 NO LOGS RUN

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	12.250	8.625	24#	1070	Class C Class C	325 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2846	Class C Class C	125 75	3% D79 2% B28

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				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1 SPF	2510-2520	Acid: 750 gals 7.5% HCL	
	2528-2538	Fract: 29358 gals 20# x link gel	
	2570-2580	127600# 12/20 Brady Sand	
	2632-2647		

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 2-6-96		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 291 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Conmingled 2510
 (If vented, submit ACO-18.) Other (Specify) 2647

CEMENTING SERVICE REPORT

Schlumberger

15-055-21458-0000

TREATMENT NUMBER 8055 DATE 1-13-96

Dowell

DOWELL SCHLUMBERGER INCORPORATED

STAGE DS DISTRICT 03-12 UCYSSES, KS.

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. BROWN #28-30	LOCATION (LEGAL) SEC. 34-24S-34W	RIG NAME: NORSEMAN DRILL. Rig #2
FIELD-POOL HUBERTON	FORMATION CHASE	WELL DATA: BIT SIZE CSG/Liner Size
COUNTY/PARISH FINNEY	STATE KS	TOTAL DEPTH 2850 WEIGHT 148
NAME Mobil	API. NO.	<input type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE
AND		MUD TYPE GRADE uss50
ADDRESS		<input type="checkbox"/> BHST <input type="checkbox"/> BHCT THREAD 8 RD
ZIP CODE		MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 2802
		MUD VISC. Disp. Capacity 68.4

ORIGINAL

SPECIAL INSTRUCTIONS
Safely cement 5/2 Long-String AS
Per Customers INSTRUCTIONS

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 11670 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 2000 PSI BUMP PLUG TO 980 PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
12:46		2000					H2O	8.3			
12:48		170	25	-	6.0		"	"			
12:52		270	61	25	6.0		CMT	11.5			
13:02		130	18	86	4.0		"	14.8			
				104							
13:12							H2O	8.3			
13:12		90	69		6.0		"	"			
13:22		520		60	2.0		"	"			
13:23		430		63			"	"			
13:26		980		69			"	"			
							"	"			
13:26		980									

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REMARKS CONSERVATION DIVISION WICHITA KS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.		2.75	C + 3% D79 + 0.2% D46 + 1/4" SK D 29				61	11.5
2.								
3.		1.37	C + 2% B 28 + 2% S1 + 0.6% D60 + 0.2% D46				18	14.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 2000 MIN. 90

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 69 Bbls TYPE OF WELL OIL STORAGE BRINE WATER GAS INJECTION WILDCAT

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE DS SUPERVISOR

Dennis Russell

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

15-055-21458-0000
 TREATMENT NUMBER: 15-11-8044
 DATE: 1-11-96
 PAGE: DS DISTRICT: 1145800 FS

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. <i>Beam #28-30</i>		LOCATION (LEGAL) <i>Sec 34-245-346</i>		RIG NAME: <i>Norson Man #2</i>	
FIELD-POOL		FORMATION		WELL DATA:	
COUNTY/PARISH <i>Finney</i>		STATE <i>Ks</i>		API. NO.	
NAME <i>Mobil Oil Corp</i>		MUD TYPE		GRADE	
AND		MUD DENSITY		LESS FOOTAGE SHOE JOINT(S)	
ADDRESS		MUD VISC.		Disp. Capacity	
ZIP CODE		NOTE: Include Footage From Ground Level To Head In Disp. Capacity		TOTAL	

ORIGINAL

SPECIAL INSTRUCTIONS		Head & Plugs		SQUEEZE JOB	
IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> Double <input type="checkbox"/> Single		TOOL TYPE	
LIFT PRESSURE <i>440</i> PSI		<input type="checkbox"/> Swage <input type="checkbox"/> Knockoff		DEPTH	
CASING WEIGHT ÷ SURFACE AREA (3.14 x R ²)		<input type="checkbox"/> TBG <input type="checkbox"/> D.P.		TAIL PIPE: SIZE DEPTH	
PRESSURE LIMIT PSI		<input type="checkbox"/> GRADE <input type="checkbox"/> THREAD		TUBING VOLUME Bbls	
BUMP PLUG TO PSI		TOP <input type="checkbox"/> R <input type="checkbox"/> W <input type="checkbox"/> NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL Bbls	
ROTATE RPM RECIPROCATE FT No. of Centralizers		BOT <input type="checkbox"/> R <input type="checkbox"/> W DEPTH		TOTAL Bbls	
				ANNUAL VOLUME Bbls	

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
1237	1800										
1238	0	25			5.8	H2O					
1243	1160	109			5.8	cmf	12.8				
1252	150	55			5.8	cmf	12.8				
1302	100	38			4	cmf	14.6				
1309	120	28			4	cmf	14.6				
1317	0										
1313	0	65.4			5	H2O					
1318	160	20			5	H1U					
1320	250	30			5.1						
1322	290	45			5.1						
1324	450	55			2.6						
1327	420	64			2.6						
1324	820	66			2.6						
1330	510										

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MAY 01 1996

CONSERVATION DIVISION
 WICHITA, KS

REMARKS
PRE-JOB SAFETY MEETING 2 PSI Test Lines
start H2O ahead
START lead cmf
psi check
START TAIL cmf
psi check
shutdown deep top plug
start displacement
psi check
psi check
lower rate
psi check
bump top plug
bleed psi off to 510 psi
shut in cmf manifold
bleed psi off
exit job

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.		1.89	<i>50% cement + 6% gal + 3% cacl₂ + 5% D44 + 1/4" D29</i>				109.3	12.8
2.								
3.		1.22	<i>50% cement + 2.5% cacl₂ + 1/4" D29</i>				38	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE		MAX.		MIN.	
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST		<input type="checkbox"/> YES <input type="checkbox"/> NO		Cement Circulated To Sum		<input type="checkbox"/> YES <input type="checkbox"/> NO	
BREAKDOWN		PSI		FINAL		PSI		DISPLACEMENT VOL.		65.4 Bbls	
Washed Thru Perfs		<input type="checkbox"/> YES <input type="checkbox"/> NO		TO		FT.		MEASURED DISPLACEMENT		<input type="checkbox"/> WIRELINE	
PERFORATIONS		TO		TO		CUSTOMER REPRESENTATIVE		DS		SUPERVISOR	
						<i>Dean Russell</i>				<i>James Esquivel</i>	