

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- 189-219830000

County Stevens

SW - NE - NW Sec. 24 Twp. 32S Rge. 37 X W E

1250 Feet from SW (circle one) Line of Section

1450 Feet from EW (circle one) Line of Section

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

Lease Name Grey #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3115 KB 3124

Total Depth 2932 PBDT 2880

Amount of Surface Pipe Set and Cemented at 639 Feet

Multiple Stage Cementing Collar Used? Yes X 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 Alt II 1-1-96  
(Data must be collected from the Reserve Pit) Lu

Chloride content 12,000 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 Hill #3 SWDW License No. 5208

SW Quarter Sec. 3 Twp. 33 S Rng. 37 EW

County Stevens Docket No. CD-117710

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: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: L. J. Reimer

Designate Type of Completion  
X New Well Re-Entry Workover

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

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening Re-perf.  
Plug Back  
Commingled Docket No. \_\_\_\_\_  
Dual Completion Docket No. \_\_\_\_\_  
Other (SWD or Inj?) Docket No. \_\_\_\_\_

9-1-95 9-4-95 9-28-95  
Spud Date Date Reached TD Completion Date

RECEIVED  
KANSAS CORPORATION COMMISSION  
CONV. to Inj/SWD  
PBDT 12-20-95  
DEC 20 1995  
CONSERVATION DIVISION  
WICHITA, KS

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 Sharon A. Cook Sharon A. Cook

Title Regulatory Assistant Date 12-18-95

Subscribed and sworn to before me this 18th day of December, 19 95.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999  
5-249.kcc

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

ORIGINAL

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Grey #1 Unit Well # 3

Sec. 24 Twp. 32S Rge. 37  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  Yes  No  
(Attach Additional Sheets.)  
Samples Sent to Geological Survey  Yes  No  
Cores Taken  Yes  No  
Electric Log Run  Yes  No  
(Submit Copy.)  
List All E.Logs Run:  
NO LOGS WERE RUN

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

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#	639	Class C Class C	200 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2922	Class C Class C	300 150	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	2620-30	2810-20	Acid: 1,000 gals 7.5% HCL
	2656-66		Fract: 133,750 lbs 12/20 Brady sand	
	2705-20		1,000 bbls 20# Crosslink gel	
	2774-89			

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. 9-26-95	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 326 Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  
Production Interval: 2620  
 Other (Specify) 2820

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 23-12-7474	DATE 9-1-95
PAGE	DS DISTRICT U15522, KS 03-12

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

WELL NAME AND NO. GREY # 1-3	LOCATION (LEGAL) SEC 24-32S-37 W	RIG NAME: MURFIN H24
FIELD-POOL HUGOTON	FORMATION SURFACE	WELL DATA:
COUNTY/PARISH STEVENS	STATE KS	BIT SIZE 12 1/4
NAME MOBIL OIL CORP.	API. NO.	CSG/Liner Size 8-5/8
AND		TOTAL DEPTH 644
ADDRESS		WEIGHT 24
ZIP CODE		FOOTAGE 63-1/2
SPECIAL INSTRUCTIONS		MUD TYPE GRADE USS50
		THREAD 8RD
		MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 42
		MUD VISC. Disp. Capacity 33
		TOTAL

ORIGINAL

SPECIAL INSTRUCTIONS SAFELY CEMENT 8 3/8" SURFACE CASING WITH 200SKS OF LEAD AND 150 SKS OF TAIL CEMENT AS DIRECTED BY THE CUSTOMER

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT 200 OVER PSI BUMP PLUG TO 1110 PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE	BATH PLATE	TYPE	
	DEPTH	597	DEPTH	
SHOE	TYPE	CMT NOSE	TYPE	
	DEPTH	639	DEPTH	

Head & Plugs  TBG  D.P.  SQUEEZE JOB

Double SIZE  WEIGHT  TAIL PIPE: SIZE DEPTH

Single  GRADE  TUBING VOLUME

Swage  THREAD  CASING VOL. BELOW TOOL

Knockoff  NEW  USED  TOTAL

BOT OR OW DEPTH  ANNUAL VOLUME

JOB SCHEDULED FOR TIME: 1330 DATE: 9-1-95

ARRIVE ON LOCATION TIME: 1330 DATE: 9-1-95

LEFT LOCATION TIME: 2000 DATE: 9-1-95

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								
1930								PRE-JOB SAFETY MEETING
2037	2700		-	-	-	H <sub>2</sub> O 8.33		PRESSURE TEST LINES
2039	-	140	25	-	5.9	H <sub>2</sub> O 8.33		START H <sub>2</sub> O SPACER
2044	-	380	55	25	5.9	CMT 12.8		START LEAD SLURRY
2053	-	330	35	80	3.9	CMT 14.6		START TAIL SLURRY
2103	-	190	-	115	<del>5.9</del>	-		SHUTDOWN / DROP TOP PLUG
2105	-	160	38	-	5.9	H <sub>2</sub> O 8.33		START DISP
2111	-	490		30	5.9	H <sub>2</sub> O 8.33		PSI CHECK
2112	-	420		37	2.2	H <sub>2</sub> O 8.33		PSI CHECK
2114	-	1110		33	-	-		STOP PUMP / PLUG DOWN
2116	-	-		-	-	-		SHUT IN MANIFOLD / BLEED LINES

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
					BBLs	DENSITY	
1.	200	1.89	50/50 PORTLAND + 6% D20 + 3% S1 + 5% D44 (BROWN) + 1/4 #/SK D29			67.3	12.8
2.	150	1.22	50/50 PORTLAND + 2.5% S1 + 1/4 #/SK D29			32.5	14.6
3.							
4.							
5.							
6.							

BREAKDOWN FLUID TYPE  HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST  YES  NO

DISPLACEMENT VOL. 33 Bbls

MEASURED DISPLACEMENT  WIRELINE

CUSTOMER REPRESENTATIVE: Russell Worley

SUPERVISOR: Russ Wagstaff

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

12-7478 7-4-95  
PAGE DS DISTRICT  
1115503 KS

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

WELL NAME AND NO. GRY #1-3		LOCATION (LEGAL) Sec 24-22-37		RIG NAME Mud Fin #24	
FIELD-POOL Hingston		FORMATION		WELL DATA	
COUNTY/PARISH STARK		STATE KS		AP I. NO.	
NAME Mobil Oil Corp		AND		ADDRESS	
SPECIAL INSTRUCTIONS		ZIP CODE		WELL DATA	
				BIT SIZE 2 7/8	
				CSG/Liner Size	
				TOTAL DEPTH 3	
				WEIGHT 74	
				ROT CABLE	
				FOOTAGE 2475	
				MUD TYPE	
				GRADE USS 5	
				BHST BHCT	
				THREAD 800	
				MUD DENSITY	
				LESS FOOTAGE SHOE JOINT(S) 41	
				MUD VISC.	
				Disp. Capacity 70	
				TOTAL	

ORIGINAL

NOTE: Include Footage From Ground Level To Head In Disp. Capacity	
Float	TYPE: USS 4" Float Valve
DEPTH	2881
SHOE	TYPE: 1 1/2" NOSE
DEPTH	
TOOL	TYPE
DEPTH	DEPTH
TOOL	TYPE
DEPTH	DEPTH
Head & Plugs	TOOL
<input type="checkbox"/> Double	SIZE
<input type="checkbox"/> Single	WEIGHT
<input type="checkbox"/> Swage	GRADE
<input type="checkbox"/> Knockoff	THREAD
<input type="checkbox"/> TBG	SIZE
<input type="checkbox"/> D.P.	DEPTH
SQUEEZE JOB	
TAIL PIPE: SIZE DEPTH	
TUBING VOLUME Bbls	
CASING VOL. BELOW TOOL Bbls	
TOTAL Bbls	
ANNUAL VOLUME Bbls	
IS CASING/TUBING SECURED?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
LIFT PRESSURE	1723 PSI
PRESSURE LIMIT	PSI
ROTATE	RPM RECIPROCATATE FT No. of Centralizers
JOB SCHEDULED FOR TIME: 2:00 DATE: 7-4-95	
ARRIVE ON LOCATION TIME: 7:00 DATE: 7-4-95	
LEFT LOCATION TIME: 07:00 DATE: 7-5-95	

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0456	3000						PRE-JOB SAFETY MEETING PSI TEST	
0457	0	25			5.8	H2O	START H2O ahead	
0502	330	147			5.8	7ml	START - 1000' CMT	
0515	140		82		5.8	7ml	PSI check	
0527	220	36.5			5.8	7ml	START - 1400' CMT	
0531	280		26		5.8	7ml	PSI check	
0533	0						shut down washump lines deep top plug	
0536	0	70.2			6	H2O	START displacement	
0539	100		20		6	H2O	PSI check	
0541	140		30		6	H2O	PSI check	
0543	520		45		5.7		START INJECTING RATE	
0546	790		60		5.7		PSI check	
0548	780		68		2.2		PSI check	
0550	1240		70		2.2		gun top plug	
0551							load rest of thick float holding on job	

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS...		SLURRY MIXED	
					BBLs	DENSITY
1.	300	2.75	class C + 3% D79 + .2% D46 + 1/2% D74		14.7	11.5
2.						
3.	150	1.37	class C + 2% B28 + 2% ranch + .6% D60 + .2% D46		36.5	14.8
4.						
5.						
6.						

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE		MAX.	
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Cement Circulated To Surf. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
BREAKDOWN		PSI FINAL		PSI		DISPLACEMENT VOL.		70.2 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	
						Russell Wootley		Cames Esquivel	