

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

API NO. 15- 129-214050000

ORIGINAL

County Morton

 - NW - SE - SE Sec. 35 Twp. 34S Rge. 40 X W^E

1250 Feet from S/N (circle one) Line of Section

1250 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 L. T. Johnson #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3345 KB 3355

Total Depth 2806 PBDT 2760

Amount of Surface Pipe Set and Cemented at 542 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 1 994 5-29-96
(Data must be collected from the Reserve Pit)

Chloride content 2,800 ppm Fluid volume 280 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name Mangels #1-2 SWDW License No. 208

SE Quarter Sec. 6 Twp. 34 S Rng. 39 E/W

County Morton Docket No. D-19,354

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

 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. Conv. to Inj/SWD

 Plug Back PBDT

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

12-15-95 12-17-95 2-10-96

Spud Date Date Reached TD Completion Date

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 3-1-96

Subscribed and sworn to before me this 1st day of March, 19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
6-90.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)

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name L. T. Johnson #1 Unit Well # 3

Sec. 35 Twp. 34S Rge. 40 East West
 County Morton

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#	542	Class C Class C	220 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2796	Class C Class C	140 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				

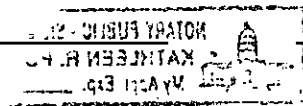
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1 SPF	2560-2570	Acid: 750 gals 7.5% HCL	
	2587-2602	Fract: 730 bbls 20# Crosslink gel	
	2624-2639	140,320 lbs 12/20 Brady Sand	

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. 2-13-96 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		141			

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval 2560-
2639



CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER A2-12-7983	DATE 12-17-95
STAGE 1	DS UKS
DISTRICT 03-12	

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

WELL NAME AND NO. HUNSON #1-3	LOCATION (LEGAL) SEC 35-345-40W
FIELD-POOL HUNGTON	FORMATION CHASE
COUNTY/PARISH MORTON	STATE KS
API. NO. 5RPR	
NAME MORTI OTI	
ADDRESS	
ZIP CODE	

RIG NAME: MUDFLY DWLG #24	WELL DATA:	BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size 5 1/2		
TOTAL DEPTH 2796'	WEIGHT 147		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 1796'		
MUD TYPE GEL	GRADE 15550		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD 0.215		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 1773		TOTAL 675
MUD VISC.	Disp. Capacity 675		

ORIGINAL

SPECIAL INSTRUCTIONS
CEMENT PRODUCTION CASTING AS PER REIDOW SCHEDULE

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 1648 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 2500 PSI BUMP PLUG TO 1000 PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

Head & Plugs	<input type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB
<input type="checkbox"/> Double	SIZE	TOOL TYPE
<input checked="" type="checkbox"/> Single	<input type="checkbox"/> WEIGHT	DEPTH
<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE	TAIL PIPE: SIZE DEPTH
<input checked="" type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD	TUBING VOLUME Bbls
TOP <input type="checkbox"/> CR <input type="checkbox"/> CW	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL Bbls
BOT <input type="checkbox"/> CR <input type="checkbox"/> CW	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	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400								1400	12-17-95	1730	12-17-95
1230	ADITIVE	100-5PT UNITS						PRE-JOB SAFETY MEETING			
		100% UP HEAD-PIE TO CIRCULATE HALL									
1630	3731					H ₂ O	8.3	TEST LINES			
1631	110	20	20		5 RPM	H ₂ O	8.3	START WATER			
1635	200	20	30		2 RPM	CMT	11.5	START LEAD SLURRY (SYSTEM 1)			
1647	900	21	51		6 RPM	CMT	11.5	PRESSURE RECORDING			
1647	110	11	89		4 RPM	CMT	14.3	START TAIL SLURRY (SYSTEM 2)			
1650	150	9	100		4 RPM	CMT	14.7	PRESSURE READINGS			
1652	0		109					SHUT DOWN-WASH LINES			
1657	60	35	109		1 RPM	H ₂ O	8.3	DROP PLUG-START DISP			
1703	310	21	144		5 RPM	H ₂ O	8.3	PRESSURE READINGS			
1708	370	11	165		2.5 RPM	H ₂ O	8.3	LOWER RATE			
1711	450		171					PLUG DOWN			
1712	0							RELEASE PRESSURE - PLOT NOT HOLDING			
1713	1000							RAMP PLUG DOWN - SHUT IN HEAD @ 200 PSI			

RECEIVED
KANSAS
CORP
DATE: 12-17-95

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	140	2.75	CLASS C w/ 7% D79, 2% DUL, 1/4" D29				68.5	11.5
2.	75	1.87	CLASS C w/ 7% R24, 2% SL, 6% DLO, 2% DUL, 1/4" D29				18.7	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 1000 MIN: 0
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input type="checkbox"/> NO	Cement Circulated To Surf. <input type="checkbox"/> YES <input type="checkbox"/> NO Bbls.
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL. 67.5	Bbls
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input type="checkbox"/>	<input type="checkbox"/> WIRELINE
PERFORATIONS	CUSTOMER REPRESENTATIVE	DS SUPERVISOR		
TO	Mr. RUSSELL WOODLEY	Louis H Dillon		

CEMENTING SERVICE REPORT

Schlumberger

Dowell

LOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 151757974 DATE 12-15-95
 PAGE DS DISTRICT 11/5555, Kc.

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

WELL NAME AND NO. Johnson 1-3	LOCATION (LEGAL) Loc 35-34c-40w	RIG NAME: MURFH #24
FIELD-POOL	FORMATION	WELL DATA: BIT SIZE 24 CSG/Liner Size 8 1/2
COUNTY/PARISH Morton	STATE Kc	API. NO.
NAME Mobil Oil Corp	AND	WELL DATA: TOTAL DEPTH 24 WEIGHT 540
ADDRESS	ZIP CODE	WELL DATA: ROT CABLE FOOTAGE 540
SPECIAL INSTRUCTIONS		WELL DATA: MUD TYPE GRADE 11555
		WELL DATA: MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 4.7
		WELL DATA: MUD VISC. Disp. Capacity 31.7

ORIGINAL

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 777 PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT PSI	BUMP PLUG TO 800 PSI	
ROTATE RPM	RECIPROCATE	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											
1838	1100										
1839	0	25			5.8	H2O					
1844	170	74			5.8	cmf	12.8				
1850	100		37		5.8	cmf	12.8				
1856	80	33			4	cmf	14.6				
1903	170		24		4	cmf	14.6				
1906	0										
1907	0	31.7			5.8	H2O					
1909	170		10		5.8	H2O					
1911	270		20		5.8						
1912	270		25		2.3						
1913	190		30		2.3						
1914	800		32		2.3						
1915											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1.	270	1.89	50c	30ppm + 6% gal + 3% carb + 5% D44 + 4 1/2 29	14	12.0		
2.								
3.	150	1.72	50c	30ppm + 2.5% carb + 4 1/2 29	37.5	14.6		
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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN PSI FINAL	PSI	DISPLACEMENT VOL.	31.7 Bbls	TYPE OF WELL
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
PERFORATIONS TO TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	Russell Worley James Esquivel	