

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

API NO. 15- 055-214530000

ORIGINAL

County Finney
- NE - NE - NW Sec. 33 Twp. 24S Rge. 34 X W^E

Operator: License # 5208

170 Feet from S (circle one) Line of Section

Name: Mobil Oil Corporation

2300 Feet from E (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 U.S.A. #1 Unit Well # 3

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 2952 KB 2962

Phone (316) 626-1142

Total Depth 2769 PBDT 2711

Contractor: Name: Norseman Drilling Inc.

Amount of Surface Pipe Set and Cemented at 949 Feet

License: 3779

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: L. J. Reimer

If yes, show depth set NA Feet

Designate Type of Completion
X New Well Re-Entry Workover

If alternate II completion, cement circulated from NA

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

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan Oct 5 6-17-96
(Data must be collected from the Reserve Pit) see

Operator: RECEIVED KANSAS CORPORATION COMMISSION 5-9-96

Chloride content 8,400 ppm Fluid volume 130 bbls

Well Name: MAY 09 1996

Dewatering method used Waste Minimization Mud System

Comp. Date CONSERVATION DIVISION Old Total Depth CONV. INJ/SWD

Location of fluid disposal if hauled offsite:

Deepening Re-perf. CONV. INJ/SWD
Plug Back PBDT
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

Operator Name Mobil Oil Corporation

Lease Name Ernest White #1 SWD License No. 5208

1-14-96 1-17-96 2-16-96
Spud Date Date Reached TD Completion Date

NE Quarter Sec. 4 Twp. 26 S Rng. 35 E/W

County Kearny Docket No. D-19,847

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 [Signature] Ricardo Pena, Jr.
Title Staff Reservoir Engineer Date 5-8-96

Subscribed and sworn to before me this 8th day of May, 19 96.

Notary Public [Signature]

Date Commission Expires October 1, 1998
6-109.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 U.S.A. #1 Unit Well # 3

Sec. 33 Twp. 24S Rge. 34W 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
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#	949	Class C Class C	300 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2758	Class C Class C	145 75	3% D79 2% B28

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
1 SPF	2484-94	2658-73	Acid: 1,000 gals 7.5% HCL	
	2503-13		Fract: 29,652 gals 20# Crosslink gel	
	2541-51		148,940 lbs 12/20 Brady Sand	
	2608-23			

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.	Producing Method				
2-12-96	<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 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		385			

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: _____ 2484 _____ 2673 _____

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

15-055-21453-0000
 TREATMENT NUMBER: 15-055-21453-0000
 DATE: 1-15-96
 PAGE: DS DISTRICT: 15-055-21453-0000

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

WELL NAME AND NO. **USA #1-3** LOCATION (LEGAL) **Sec 33-245-34w** RIG NAME: **Horseman #2**
 FIELD-POOL: **USA #1-3** FORMATION: **USA #1-3** WELL DATA: BIT SIZE: **7 7/8** CSG/Liner Size: **7 7/8** BOTTOM: **7 7/8** TOP: **7 7/8**
 COUNTY/PARISH: **Franklin** STATE: **Ks.** API. NO.: **7 7/8** TOTAL DEPTH: **7 7/8** WEIGHT: **7 7/8**
 NAME: **Mobil Oil Corp** MUD TYPE: **USC 55** GRADE: **820** FOOTAGE: **7 7/8**
 AND: **7 7/8** MUD DENSITY: **41** LESS FOOTAGE SHOE JOINT(S): **7 7/8** MUD VISC.: **57.8** Disp. Capacity: **57.8** TOTAL: **7 7/8**

ORIGINAL

ADDRESS: **ORIGINAL** ZIP CODE: **7 7/8**
 SPECIAL INSTRUCTIONS: **7 7/8**

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: **390** PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²): **7 7/8** PSI
 PRESSURE LIMIT: **7 7/8** PSI BUMP PLUG TO: **7 7/8** PSI
 ROTATE: RPM: **7 7/8** RECIPROCATE: **7 7/8** FT: **7 7/8** No. of Centralizers: **7 7/8**

JOB SCHEDULED FOR TIME: **0530** DATE: **1-15-96** ARRIVE ON LOCATION TIME: **0530** DATE: **1-15-96** LEFT LOCATION TIME: **1100** DATE: **1-15-96**

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION		SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE	
0851	1800											PRE-JOB SAFETY MEETING + PSI Test lines
0852	0	25			5.8	H ₂ O						start H ₂ O ahead
0856	150	101			5.8	cmt.	12.8					start lead cmt.
0905	190		51		5.8	cmt.	D 8					psi check
0914	150	38			5.8	cmt.	14.6					start tail cmt.
0920	100		25		4	cmt.	14.6					psi check
0927	0											shutdown deep top plug
0924	0	57.8			5	H ₂ O						start displacement
0929	130		20		5.8	H ₂ O						psi check
0930	210		30		5.8							psi check
0932	280		38		5.8							psi check
0934	270		50		2.4							lower rate
0936	330		56		2.4							psi check
0937	740		58		2.4							bump top plug
0938	300											blood psi of to 300psi shut in cmt manifold
												blood psi of end job

REMARKS: **RECEIVED KANSAS CORPORATION COMMISSION MAY 09 1996 CONSERVATION DIVISION WICHITA, KS**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			SO ₂	CEMENT	ADDITIONALS	WATER	BBLs	DENSITY
1.	2	1.89	50%	50% soap + 6% gel + 3% cacl ₂ + 5% D44 + 1/4 #1029			100.9	12.8
2.								
3.	176	1.22	50%	50% soap + 2.5% cacl ₂ + 1/4 #1029			38	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. VOLUME: CIRCULATION LOST: YES NO DENSITY: **57.8** Bbls PRESSURE: MAX. **57.8** MIN. **20** Bbls
 Cement Circulated To Surf. YES NO
 BREAKDOWN: PSI: **57.8** FINAL: **57.8** PSI: **57.8** DISPLACEMENT VOL.: **57.8** Bbls TYPE OF WELL: OIL STORAGE BRINE WATER GAS INJECTION WILDCAT
 Washed Thru Perfs: YES NO TO: **57.8** FT. MEASURED DISPLACEMENT: WIRELINE
 PERFORATIONS: TO: **57.8** TO: **57.8** CUSTOMER REPRESENTATIVE: **Dennis Russell** DS SUPERVISOR: **James Esquivel**

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

1-18-96

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

STAGE

DS

DISTRICT

WELL NAME AND NO. 4541-3		LOCATION (LEGAL) 256-35-344		RIG NAME: 256-35-344	
FIELD-POOL HUGGON		FORMATION CHASS		WELL DATA:	
COUNTY/PARISH Flurey		STATE KS		API. NO.	
NAME mobil		AND		TOTAL	
ADDRESS		ZIP CODE		SPECIAL INSTRUCTIONS	
IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE 1500 PSI		CASING WEIGHT ÷ SURFACE AREA (3.14 x R ²)	
PRESSURE LIMIT 1500 PSI		BUMP PLUG TO 1100 PSI		ROTATE RPM RECIPROCATATE FT No. of Centralizers	

WELL DATA:		BOTTOM		TOP	
BIT SIZE	CSG/Liner Size				
TOTAL DEPTH	WEIGHT	14			
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	2750			
MUD TYPE	GRADE	1850			
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	9/8			
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	7.04			
MUD VISC.	Disp. Capacity	66.3			

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

Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	25416 FLD	2714			
SHOE	TYPE	DEPTH		TYPE	DEPTH
	113.205E	2758			

Head & Plugs		<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE	TOOL		TYPE	
<input type="checkbox"/> Single	WEIGHT	DEPTH			
<input type="checkbox"/> Swage	GRADE	TAIL PIPE: SIZE		DEPTH	
<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME		Bbls	
TOP <input type="checkbox"/> R <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL		Bbls	
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	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400								01:00	1-18	01:00	1-18
04:36		2000				4.30	6.15				
04:37		10	25	-	6.0	"	"				
04:42		300	71	25	"	"	"				
04:54		160	18	86	"	"	"				
04:57		-		104	-						
05:02		-		66.3	6.0	4.4	8.3				
05:11		530		54	2.0	"	"				
05:12		440		60	"	"	"				
05:15		1100		66	"	"	"				

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 09 1996

REMARKS CONSERVATION DIVISION WICHITA, KS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1.		2.75	8' + 3% 0.79 + 22% 0.46 + 4% 0.27	71	11.5			
2.								
3.		1.37	6' + 2% 0.28 + 22% 0.62 + 22% 0.46 + 4% 0.27	18	11.3			
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX. 2000	MIN: 10
<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	Bbls	
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	Bbls	TYPE OF WELL	
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	66.3	<input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS	<input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR	<input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT	
TO	TO	TO	WILLSON WILCOY		REY GERRAN		