

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- 189-220940000

County Stevens

Operator: License # 5208

E
- E2 - NW - NW Sec. 13 Twp. 32S Rge. 35 X W

Name: Mobil Oil Corporation

660 Feet from SW (circle one) Line of Section

Address P.O. Box 2173

1200 Feet from EW (circle one) Line of Section

2319 North Kansas Avenue

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

City/State/Zip Liberal, KS 67905-2173

Lease Name Larrabee #1 Unit Well # 7

Purchaser: Spot Market

Field Name Hugoton

Operator Contact Person: Sharon Cook

Producing Formation Chase

Phone (316) 626-1142

Elevation: Ground 2963 KB 2972

Contractor: Name: Norseman Drilling Inc.

Total Depth 2875 PBDT 2827

License: 3779

Amount of Surface Pipe Set and Cemented at 568 Feet

Wellsite Geologist: L. J. Reimer

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set NA Feet

X New Well Re-Entry

If Alternate II completion, cement circulated from NA

Oil SWD S10W Workover

feet depth to NA w/ NA sx cmt.

X Gas ENHR SIGW Comp. Abd.

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

Drilling Fluid Management Plan ALT 1 9K 5-7-97
(Data must be collected from the Reserve Pit)

If Workover: 1-22-97

Operator: _____

Chloride content 16,500 ppm Fluid volume 260 bbls

Well Name: _____

Dewatering method used Waste Minimization Mud System

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite:

Deepening Re-perf. Conv. to Inj/SWD

Operator Name Mobil Oil Corporation

Plug Back _____ PBDT _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

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

Lease Name Parker Est. #1-2 SWDW License No. 5208

10-11-96 10-14-96 11-11-96

SW Quarter Sec. 19 Twp. 34 S Rng. 36 E/W

Spud Date _____ Date Reached TD _____ Completion Date _____

County Stevens Docket No. D-23,898

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 1-21-97

Subscribed and sworn to before me this 21st day of January, 19 97.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
7-8.kcc

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)

NOTARY PUBLIC - State of Kansas
KATHLEEN R. POULTON
My Appt. Exp. 08-18-98

Operator Name Mobil Oil Corporation Lease Name Larrabee #1 Unit Well # 7
 Sec. 13 Twp. 32S Rge. 35 East County Stevens
 West

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:
 High Resolution Dual Induction Focused Log Gamma Ray/Caliper
 Z-Densilog Compensated Neutron Spectralog
 Caliper Log Gamma Ray

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Glorietta	1252	1383
Stone Corral	1705	1762
Chase	2600	--
Council Grove	--	--

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#	568	Class C	210	50:50 C/poz
					Class C	150	50:50 C/poz
Production Casing	7.875	5.500	14#	2865	Class C	160	3% D79
					Class C	75	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	2605-2610	Acid: 1,000 gals 7.5% HCL
	2629-2635	Fracd: 19,530 gals 20# Crosslink gel
2 SPF	2664-2679	68,000 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.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
11-4-96				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		235		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
 Production Interval: 2605 2679

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 128691 DATE 10-15-96
 DISTRICT 03 12 UKS

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

WELL NAME AND NO. Carrahee # 1-7	LOCATION (LEGAL) Sec. 16-32S-35W	RIG NAME: Noiseman # 2
FIELD-POOL Hugotant	FORMATION Surface	WELL DATA:
COUNTY/PARISH STEPHENS	STATE KS	API. NO.
NAME Mobil oil	ORIGINAL	
AND		
ADDRESS	ZIP CODE	SHOE
SPECIAL INSTRUCTIONS Safety Cement Surface Closing HS Directed by Customer!!		NOTE: Include Footage From Ground Level To Head In Disp. Capacity

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 233 PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT 2000 PSI	BUMP PLUG TO 610 PSI	ROTATE RPM RECIPROCATE FT No. of Centralizers
Head & Plugs	<input type="checkbox"/> Double	<input type="checkbox"/> TBG
<input checked="" type="checkbox"/> Single	<input type="checkbox"/> WEIGHT	<input type="checkbox"/> D.P.
<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE	<input type="checkbox"/> SQUEEZE JOB
<input type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD	TOOL TYPE
TOP <input type="checkbox"/> OR <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED	DEPTH
BOT <input type="checkbox"/> OR <input type="checkbox"/> W	DEPTH	TAIL PIPE: SIZE DEPTH
		TUBING VOLUME Bbls
		CASING VOL. BELOW TOOL Bbls
		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	FLUID TYPE	FLUID DENSITY	TIME	DATE	
0001 to 2400											
2339										PRE-JOB SAFETY MEETING PSI TEST TO 1400 PSI	
2341		130	20	0	5.6	H ₂ O	8.3			START H ₂ O Ahead	
2346		150	75	20	5.6	cmf	12.8			START Lead cmf	
2400		195	33	95	5.6	cmf	14.6			START Tail cmf	
2407										Shutdown	
2410		1160	28	128	5.6	H ₂ O	8.3			Drop Plug, START Displacement	
2407						cmf	12.8			Retains	
2414		180	7.8	156	2.0	H ₂ O	8.3			Lower Pump Rate	
2417		610		1638						Running Plug, Shutdown, Shut in Head's Manifold	
2421										End Job	
2422										STOP ACQ	

RECEIVED
 CONSERVATION DIVISION
 Wichita, Kansas
 JAN 2 1997

REMARKS
 Running Plug TO 610 PSI
 98 SKS TO Surface

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	210	1.89	50/50 Poz/c + 3% Si + 5% D44(B w ow) + 1/4 # /SK D29		20.6	12.8
2.	150	1.22	50/50 Poz/c + 2.5% Si + 1/4 # /SK D29		32.5	14.6
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 130 MIN:
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO 33 Bbls
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL.	34.8 Bbls
Washed Thru Perfs	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input checked="" type="checkbox"/>
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR
			Russell Worley	Darren D Shilling

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER 0675	DATE 10-14-96
STAGE # 1	DS 03
DISTRICT 12	

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

WELL NAME AND NO. LORRABEE 1-7	LOCATION (LEGAL) SEC. 16-32S-35W
FIELD-POOL HUGOTON	FORMATION CHASE
COUNTY/PARISH STEVENS	STATE KS.
API. NO.	

RIG NAME: WOLMAN 7	WELL DATA:		BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size 5 1/2	WEIGHT 14		
TOTAL DEPTH	FOOTAGE 2865			
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	GRADE 455.0			
MUD TYPE	THREAD 8AD			
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	LESS FOOTAGE SHOE JOINT(S) 2827			
MUD DENSITY	Disp. Capacity 69			TOTAL
MUD VISC.				

ORIGINAL

NAME mobil oil
AND
ADDRESS
ZIP CODE

NOTE: Include Footage From Ground Level To Head In Disp. Capacity												
<table border="1"> <tr> <td>Float</td> <td>TYPE auto Fill Ins</td> <td>TYPE</td> </tr> <tr> <td></td> <td>DEPTH 2827</td> <td>DEPTH</td> </tr> <tr> <td>SHOE</td> <td>TYPE CMT ROSE</td> <td>TYPE</td> </tr> <tr> <td></td> <td>DEPTH 2865</td> <td>DEPTH</td> </tr> </table>	Float	TYPE auto Fill Ins	TYPE		DEPTH 2827	DEPTH	SHOE	TYPE CMT ROSE	TYPE		DEPTH 2865	DEPTH
Float	TYPE auto Fill Ins	TYPE										
	DEPTH 2827	DEPTH										
SHOE	TYPE CMT ROSE	TYPE										
	DEPTH 2865	DEPTH										

SPECIAL INSTRUCTIONS
Inlet - cont - 5 1/2 US gal per meter
instructions

Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE	TOOL	TYPE	
<input type="checkbox"/> Single	<input type="checkbox"/> WEIGHT		DEPTH	
<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE	TAIL PIPE: SIZE	DEPTH	
<input type="checkbox"/> Knockoff	<input type="checkbox"/> 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

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE 1690 PSI CASING WEIGHT - SURFACE AREA (8.14 x R)
PRESSURE LIMIT 2500 PSI BUMP PLUG TO 940 PSI
ROTATE RPM RECIPROCATE FT No. of Centralizers

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: 1500 DATE: 10-14			ARRIVE ON LOCATION TIME: 1500 DATE: 10-14		LEFT LOCATION TIME: DATE:	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
0001 to 2400								PRE-JOB SAFETY MEETING			
1759		1800		X		H10	9.3	PSE TEST			
1801		100	20	X	5.6	11	11	START H2O			
1804		240	79	20	5.6	CMT	11.5	1 LOCMT.			
1819		190	19	99	5.6	CMT	14.8	4 TL CMT.			
1827		200		118		H10	9.3	SHUT DOWN WASH TO PIT			
1828		50			5.7	11	11	DROP PLUG START DISP			
1837		450		59	5.7	11	11	PSE CHECK			
1838		400		60	2	11	11	LOWER RATE			
1841		490		67	2	11	11	PSE CHECK			
1850		940		89	2	11	11	BUMP TOP PLUG			
1853								BLEED LINE CHECK: FLOAT			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	160	2.75	C + 3% D-79 + 0.12% O-46 + 1/4" D-29				79	11.5
2.								
3.	75	1.37	C + 2% B-28 + 2% S-1 + 0.16% O-60 + 0.2% O-46 + 1/4" D-29				17	11.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 940	MIN. 50
<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. 69	Bbls	TYPE OF WELL
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	
			R.D. WORLEY	R.D. Pearson	