

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- 189-220880000

County Stevens

SW - NE - SE Sec. 36 Twp. 34S Rge. 36 X E W

Operator: License # 5208

1355 Feet from SW (circle one) Line of Section

Name: Mobil Oil Corporation

1250 Feet from EW (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

City/State/Zip Liberal, KS 67905-2173

Lease Name Carlile #1 Unit Well # 2

Purchaser: Spot Market

Field Name Hugoton

Operator Contact Person: Sharon Cook

Producing Formation Chase

Phone (316) 626-1142

Elevation: Ground 3021 KB 3031

Contractor: Name: Norseman Drilling Inc.

Total Depth 3015 PBDT 2840

License: 3779

Amount of Surface Pipe Set and Cemented at 730 Feet

Wellsite Geologist: L. J. Reimer

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set NA Feet

X Oil SWD S10W Temp. Abd.
X Gas ENHR SIGW
Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 1 2W 6-30-97
(Data must be collected from the Reserve Pit)

Operator: 12-12-96

Chloride content 2000 ppm Fluid volume 460 bbls

Well Name: 12-12-96

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
Plug Back PBDT
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

Operator Name Mobil Oil Corporation

8-19-96 8-23-96 9-26-96
Spud Date Date Reached TD Completion Date

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

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

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 12-11-96

Subscribed and sworn to before me this 11th day of December,
19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
6-207.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
KATHLEEN R. POULTON
My Appt. Exp. 08-18-98

Operator Name Mobil Oil Corporation Lease Name Carlile #1 Unit Well # 2
 Sec. 36 Twp. 34S Rge. 36 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:
 Hi 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	1187	1360
Stone Corral	1698	1750
Chase	2668	--
Council Grove	--	--

CASING RECORD New 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#	730	Class C	275	50:50 C/poz
					Class C	200	50:50 C/poz
Production Casing	7.875	5.500	14#	3004	Class C	180	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	2840	Class C	2 sxs	
<input checked="" 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	2752-2767	Acid: 1,000 gals 7.5% HCL	
	2793-2813	Fracd: 30,576 gals 20# Crosslink gel	
	2859-2867	116,543 lbs 12/20 Brady Sand	

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 10-1-96 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 195 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. Commingled 2752
 (If vented, submit ACO-18.) Other (Specify) 2867

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 0312 8589	DATE 8-22-96
STAGE DS	DISTRICT Ulysses, Ks.

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

WELL NAME AND NO. Carlile #1-2	LOCATION (LEGAL) Sec. 36-34s-36w	RIG NAME: NORSEMAN #2
FIELD-POOL Hugoton	FORMATION	WELL DATA: BIT SIZE 1 7/8
COUNTY/PARISH Stevens	STATE Ks.	CSG/Liner Size 5 1/2
API. NO.		TOTAL DEPTH 2275
NAME Mobil Oil Corp		WEIGHT 14
AND		FOOTAGE 3004 ORIGINAL
ADDRESS		MUD TYPE GRADE USS 55
ZIP CODE		THREAD 8 1/2
SPECIAL INSTRUCTIONS		MUD DENSITY 2.3
		MUD VISC. 72.1

NOTE: Include Footage From Ground Level To Head In Disp. Capacity			
Float	TYPE Insert float valve	DEPTH 2981	TYPE
SHOE	TYPE cmt. nose	DEPTH 3004	DEPTH

RECEIVED STATE CORPORATION COMMISSION DEC 12 1996 CONSERVATION DIVISION	Head & Plugs	<input type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB
IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> Double	SIZE	TOOL TYPE
LIFT PRESSURE 1772 PSI	<input checked="" type="checkbox"/> Single	WEIGHT	DEPTH
PRESSURE LIMIT 1770 PSI	<input type="checkbox"/> Swage	GRADE	TAIL PIPE: SIZE DEPTH
ROTATE RPM RECIPROCAT FT No. of Centralizers	<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME Bbls
	<input type="checkbox"/> TOP <input type="checkbox"/> BOT	NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL JOINTS Bbls
	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	FLUID INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE
0001 to 2400											
2316	2100										
2317	0	12			5.7	H70					
2320	210	88			5.7	cmt	11.5				
2329	170	50			5.7	cmt	11.5				
2336	100	18			3.8	cmt	14.8				
2338	110	10			3.8	cmt	14.8				
2340	0										
2343	0	72.7			5.7	H70					
2350	90	30			5.7	H70					
2352	140	40			5.7	H70					
2354	220	50			5.6						
2356	470	60			5.6						
2356	580	63			2						
2358	530	68			2						
2359	590	70			2						
0001	1270	73			2						
0002											

REMARKS: bump top plug, bleed psi of throat float & holding END JOB

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	180	2.75	class C + 3% D79 + .2% D46 + 1/4" D29				88.1	11.5
2.								
3.	75	1.37	class C + 2% B28 + 2% carl 2 + .6% D100 + .2% D46 + 1/4" D29				18.2	14.8
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 Surf.	<input type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL.	72.1 Bbls	TYPE OF WELL
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<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	
			Alan Moore	James Esquivel	

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER 12 8581 DATE 8-20-96
STAGE DS DISTRICT 03 12 UKS

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

WELL NAME AND NO. Carlile 1-2
LOCATION (LEGAL) Sec 36-34S-36W
FIELD-POOL Hugoton
FORMATION Surface
COUNTY/PARISH STEVENS
STATE KS
API. NO.

RIG NAME: Moisman #2
WELL DATA: BIT SIZE 12 1/4 CSG/Liner Size 8 5/8
TOTAL DEPTH 738 WEIGHT 24
MUD TYPE GRADE
MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 40
MUD VISC. Disp. Capacity 45.3
NOTE: Include Footage From Ground Level To Head In Disp. Capacity

NAME: Mobil oil
AND
ADDRESS
ZIP CODE

SPECIAL INSTRUCTIONS: Safely cement surface casing as directed by customer. RECEIVED
STATE CORPORATION COMMISSION
DEC 12 1996

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double Single Swage Knockoff
TOOL TYPE DEPTH
TAILOUT PIPE: SIZE DEPTH
TUBING VOLUME Bbls
CASING VOL. BELOW TOOL Bbls
BOT. OR W DEPTH TOTAL ANNUAL VOLUME

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE 250 PSI CASING WEIGHT SURFACE AREA (3.14 x R²)
PRESSURE LIMIT 2000 PSI BUMP PLUG TO 690 PSI
ROTATE RPM RECIPROCAT FT No. of Centralizers

JOB SCHEDULED FOR TIME: ASAP DATE: 8-20-96
ARRIVE ON LOCATION TIME: 0500 DATE: 8-20-96
LEFT LOCATION TIME: 0830 DATE: 8-20-96

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
0641	—	160	20	20	5.5	H ₂ O	8.3	0500	8-20-96	0830	8-20-96
0645	—	240	92.5	20	5.5	CMT	12.8				
0702	—	260	41	1125	5.5	CMT	14.6				
0709	—	20	—	1535	—	—	—				
0715	—	300	37	1535	5.5	H ₂ O	8.3				
0721	—	240	8.3	1705	2.0	H ₂ O	8.3				
0726	—	600	—	1988	—	—	—				
0736	—	—	—	—	—	—	—				

PRE-JOB SAFETY MEETING
START H₂O Ahead
START Lead CMT
START Tail CMT
Shutdown
Drop Plug, START Displacement
Lower Pump Rate
Bump Plug Shutdown
END Job

3 Dowell

Bump Plug TO 600 PSI, Shut in Head's Manifold
74 SKS TO Surface

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			50/50 PORT C + 6% D20 + 3% SI + 5% D44 (COW) + 1/4" SK	50/50 PORT C + 25% SI + 1/4" SK	BBLs	DENSITY		
1.	275	1.89	50/50 PORT C + 6% D20 + 3% SI + 5% D44 (COW) + 1/4" SK	129	92.5	12.8		
2.	200	1.22	50/50 PORT C + 25% SI + 1/4" SK	129	43.4	14.6		
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO
Cement Circulated To Surf. YES NO 25 Bbls
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 45.3 Bbls
Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
PERFORATIONS TO TO CUSTOMER REPRESENTATIVE: Allen Moore
DS SUPERVISOR: Darren D Shilling