

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

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: Norseman Drilling Inc.

License: 3779

Wellsite Geologist: L. J. Reimer

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.

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 \_\_\_\_\_ PBTB

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

7-7-97 7-11-97 7-18-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 189-22185000

County Stevens

NE - SW - SW Sec. 9 Twp. 33S Rge. 35 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 Smith #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2971 KB 2981

Total Depth 3045 PBTB 2996

Amount of Surface Pipe Set and Cemented at 687 Feet

Multiple Stage Cementing Collar Used?  Yes  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 Att. 1 1-16-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 33,000 ppm Fluid volume 180 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Mobil Oil Corporation

Lease Name \_\_\_\_\_ License No. 5208

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 10-24-97

Subscribed and sworn to before me this 24th day of October, 19 97.

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001  
7-75.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)



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

Sec. 9 Twp. 33S Rge. 35  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:  
 Array Induction Micro-Resistivity/GR  
 Compensated Neutron Litho-Density/GR  
 Microlog Gamma Ray  
 Natural Gamma Ray Spectroscopy  
 Caliper Log

Log		Formation (Top), Depth and Datums		Sample
Name	Top	Datum		
Glorietta	1232	1378		
Stone Corral	1700	1740		
Chase	2630	2978		
Council Grove	2978	--		

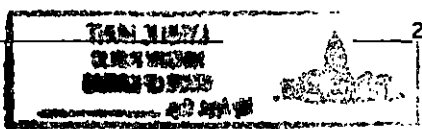
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12.250	8.625	24#	687	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	3035	Class C Class C	220 100	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
2 SPF	2712-2727	Acid: 1,000 gals 7.5% HCL	
	2754-2764	Fract: 4,200 gals 28% HCL	
		184,632 CCF nitrogen	

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.	7-31-97	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 86 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: 2712 2764





# ORIGINAL Cementing Service Report

15-189-22185

Well				Location (legal)				Dowell Location				Service Date					
SMITH 2/-3								Ulysses, KS				7/8/97					
Field				Formation Name/Type				Deviation		Bit Size		Well MD		Well TVD			
Hugoton RIDGE								0 °		12.3 in		692 ft		692 ft			
County				State/Province				BHP		BHST		BHCT		Pore Press. Gradient			
Stevens Lafayette				KS LA				0 psi		70 °F		65 °F		0 psi/ft			
Rig Name		Drilled For		Service Via				Casing/Liner									
Norseman #2		Gas		Land				Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Water Depth		Well Class		Well Type				687		8.63		24		US50		8RD	
		201		New Well Completion				0		0		0					
Drilling Fluid Type				Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
Bentonite				9.2 lb/gal		33 cp		Depth,		Size, in		Weight, lb/ft		Grade		Thread	
								0		0		0					
Service Line		Job Type						0		0		0					
Cementing		Cem Surface Casing						0		0		0					
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Wellhead Connection				Perforations/Open Hole									
1000 psi		300 psi		Single cement head				Top, ft		Bottom, ft		spf		No. of Shots		Total Interval	
								0		0		0		0		0 ft	
Service Instructions								0		0		0		0		Diameter	
Safely deliver & perform Surface Cement Job with materials & equipment listed below. Per clients instructions								0		0		0		0		0 in	
Loc Code 62995								Treat Down		Displacement		Packer Type		Packer Depth			
Acc. Code 4903								Casing		41 bbl		None		0 ft			
I.D. JLLASITE								Tubing Vol.		Casing Vol.		Annular Vol.		Open Hole Vol			
								0 bbl		43.7 bbl		50.5 bbl		0 bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>				1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>				Casing Tools				Squeeze Job					
Lift Pressure: 216 psi								Shoe Type: Guide		Shoe Depth: 687 ft		Squeeze Type		Tool Type:			
Pipe Rotated <input type="checkbox"/>				Pipe Reciprocated <input type="checkbox"/>				Stage Tool Type		Stage Tool Depth: 0 ft		Tail Pipe Size: 0 in		Tool Depth: 0 ft			
No. Centralizers: 5				Top Plugs: 1		Bottom Plugs: 0		Collar Type: Other		Collar Depth: 645 ft		Tail Pipe Depth: 0 ft		Sqz Total Vol: 0 bbl			
Cement Head Type: Single								Job Scheduled For: 7/8/97 5:00		Arrived on Location: 7/8/97 5:00		Leave Location: 7/8/97 8:30					
Time	CumVol	Density	Pressure	Reset Volume	Total Flowrate	Message											
24 hr clock	bbl	ppg	psi	bbl	bpm												
7:09	0	0	0	0	0	START ACQUISITION											
7:09	0	-6.25	-3796	0	0												
7:09	0	8.074	-23.49	0	0												
7:10	0	8.074	-26.06	0	0												
7:10	0	8.074	-26.58	0	0												
7:11	0	8.071	-25.22	0	0												
7:11	0	8.074	-27.4	0	0												
7:12	0	8.072	-27.54	0	0												
7:12	8908E-7	8.217	-26.46	8908E-7	3417E-5												
7:13	4934E-5	8.122	-20.27	4934E-5	.5272												
7:13	.2288	8.123	581	.2288	3972E-6												
7:14	.2593	8.119	-19.77	.2593	.1004												
7:14	.3913	8.097	1257	.3913	5418E-5												
7:15	.3944	8.089	-13.25	.3944	194E-7												
7:15	.3944	8.089	-23.93	.3944	6944E-12												
7:16	.3944	8.089	-27.12	.3944	2486E-15												
7:16	.3944	8.089	-27.51	.3944	8901E-19												
7:17	0	0	0	0	0	Pressure Test Lines											
7:17	.5145	8.089	-9.331	.5145	.5137												
7:17	.6237	8.193	1984	.6237	2487E-6												
7:18	.6239	8.145	1943	.6239	8903E-10												

# ORIGINAL

Well		Field				Service Date		Customer		Job Number	
SMITH #2		RIDGE				7/8/97		MOBIL OIL CORP V39050074		20006372	
Time	CumVol	Density	Pressure	Reset Volume	TotFlowrate			Message			
24 hr clock	bbbl	ppg	psf	bbbl	bpm						
7:18	.6239	8.143	13.56	.6239	3188E-13	0	0				
7:19	.6325	8.136	-22.96	.6325	5217E-5	0	0				
7:19	0	0	0	0	0	0	0	Start Pumping Water			
7:19	.7581	8.295	1.675	.7581	1.878	0	0				
7:20	3.289	8.25	96.66	3.289	5.774	0	0				
7:20	6.194	8.142	98.72	6.194	5.776	0	0				
7:21	9.088	8.219	109.4	9.088	5.737	0	0				
7:21	11.97	8.239	116.8	11.97	5.732	0	0				
7:22	14.87	8.241	123.4	14.87	5.736	0	0				
7:22	17.76	8.216	132.7	17.76	5.745	0	0				
7:23	20.65	8.173	137.7	20.65	5.761	0	0				
7:23	23.55	8.147	145.4	23.55	5.755	0	0				
7:23	0	0	0	0	0	0	0	[Reset Volume]=0 bbl			
7:24	0	0	0	0	0	0	0	Start Mixing Lead Slurry			
7:24	26.44	11.48	160.5	2.026	5.749	0	0				
7:24	29.34	12.65	197.6	4.922	5.742	0	0				
7:25	32.22	13.04	199.2	7.807	5.751	0	0				
7:25	35.11	12.82	187.7	10.7	5.752	0	0				
7:26	38.01	12.95	181.3	13.59	5.754	0	0				
7:26	40.9	12.73	177.9	16.48	5.758	0	0				
7:27	43.81	12.53	165.3	19.39	5.76	0	0				
7:27	46.7	12.57	157.3	22.29	5.768	0	0				
7:28	49.6	13.01	151	25.19	5.76	0	0				
7:28	52.5	12.65	129.3	28.08	5.777	0	0				
7:29	55.4	12.24	107.6	30.99	5.792	0	0				
7:29	57.74	10.25	39.02	33.32	4.005	0	0				
7:30	59.74	14.06	67.83	35.33	3.95	0	0				
7:30	62.46	13.22	112.3	38.05	5.781	0	0				
7:31	65.36	12.95	131.8	40.95	5.76	0	0				
7:31	68.26	12.87	123.4	43.85	5.756	0	0				
7:32	71.17	12.94	125.5	46.76	5.765	0	0				
7:32	74.07	12.84	128.5	49.66	5.761	0	0				
7:33	76.97	12.95	132.2	52.55	5.762	0	0				
7:33	79.86	12.9	131.8	55.45	5.757	0	0				
7:34	82.76	12.7	124	58.35	5.764	0	0				
7:34	85.67	12.74	124.2	61.26	5.755	0	0				
7:35	88.57	13.16	133.4	64.15	5.758	0	0				
7:35	91.47	12.7	125.1	67.05	5.769	0	0				
7:36	94.37	12.93	113.3	69.96	5.771	0	0				
7:36	97.27	12.91	131	72.86	5.766	0	0				
7:37	0	0	0	0	0	0	0	[Reset Volume]=0 bbl			
7:37	100.2	13.26	109.9	9696E-5	5.783	0	0				
7:37	0	0	0	0	0	0	0	Start Mixing Tail Slurry			
7:37	103.1	14.36	140.7	3	5.753	0	0				
7:38	105.5	15.22	84.29	5.374	3.969	0	0				
7:38	107.8	14.71	162	7.691	5.705	0	0				
7:39	110.7	14.55	165.2	10.58	5.757	0	0				
7:39	113.6	14.68	165	13.49	5.76	0	0				
7:40	116.5	14.74	171.2	16.39	5.76	0	0				
7:40	119.4	14.74	173.2	19.28	5.756	0	0				
7:41	122.3	14.64	170.6	22.18	5.761	0	0				
7:41	125.2	14.53	173.2	25.07	5.759	0	0				
7:42	128.1	14.38	167.7	27.98	5.756	0	0				

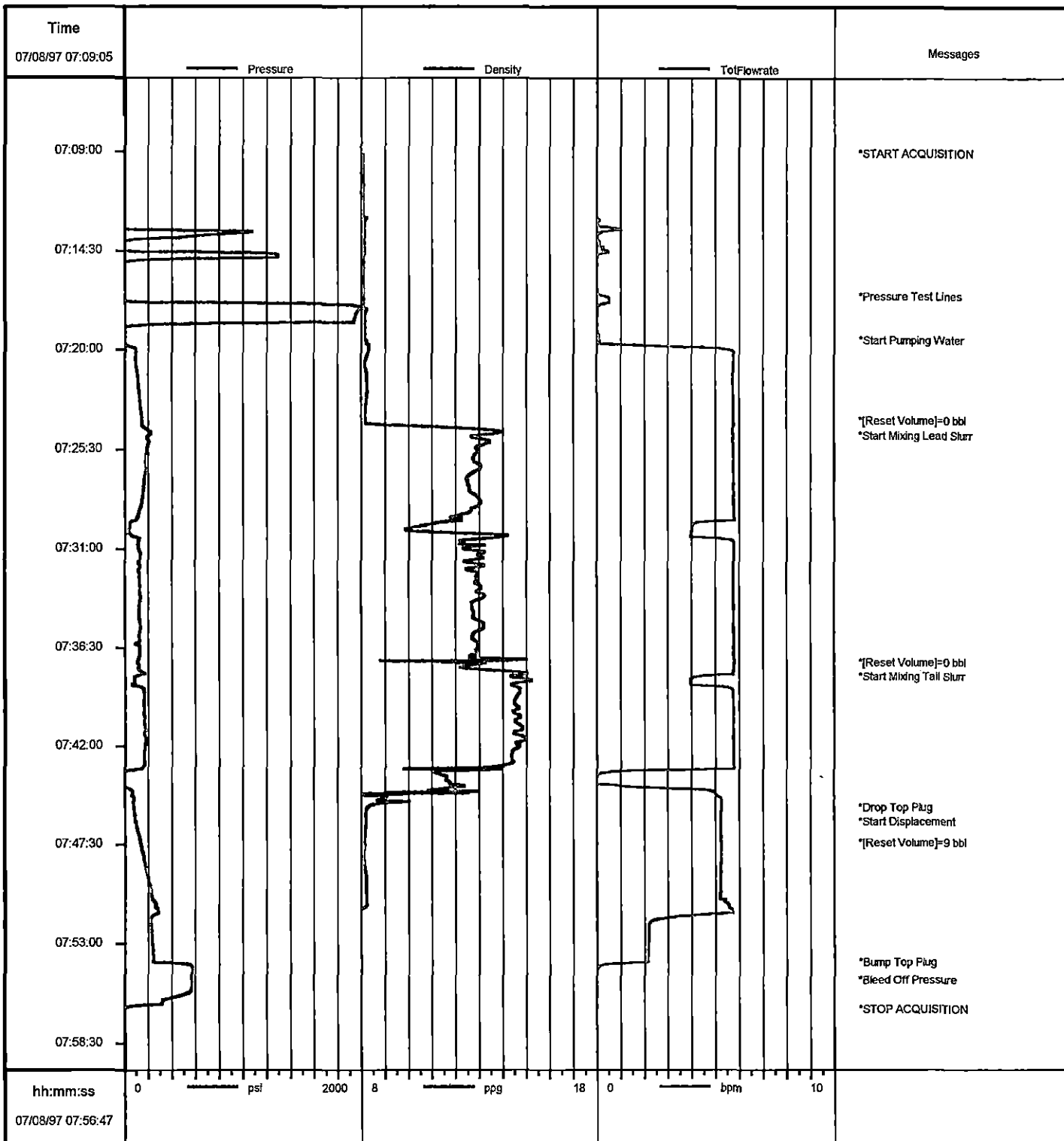
# ORIGINAL

Well		Field				Service Date		Customer		Job Number	
SMITH #2		RIDGE				7/8/97		MOBIL OIL CORP V39050075		20006372	
Time	CumVol	Density	Pressure	Reset Volume	TotFlowrate			Message			
24 hr clock	bbbl	PPG	psi	bbbl	bpm						
7:42	131	14.45	169.6	30.87	5.751	0	0				
7:43	133.6	11.61	18.93	33.47	1.348	0	0				
7:43	133.6	11.58	-14.78	33.54	4888E-7	0	0				
7:44	134.1	11.41	47.71	34.04	3.919	0	0				
7:44	136.6	8.984	80.3	36.51	5.195	0	0				
7:45	139.3	8.268	78.56	39.15	5.238	0	0				
7:45	0	0	0	0	0	0	0	Drop Top Plug			
7:45	0	0	0	0	0	0	0	Start Displacement			
7:45	141.9	8.178	88.2	41.78	5.233	0	0				
7:46	0	0	0	0	0	0	0	[Reset Volume]=9 bbl			
7:46	144.5	8.185	100.9	10.84	5.21	0	0				
7:46	147.1	8.166	117.8	13.47	5.218	0	0				
7:47	149.8	8.128	134.7	16.1	5.241	0	0				
7:47	152.4	8.085	152.9	18.73	5.225	0	0				
7:48	155	8.106	165.5	21.36	5.231	0	0				
7:48	157.7	8.161	185	23.98	5.204	0	0				
7:49	160.3	8.202	201.9	26.61	5.208	0	0				
7:49	162.9	8.222	218.1	29.23	5.208	0	0				
7:50	165.5	8.224	232.3	31.85	5.203	0	0				
7:50	168.2	8.18	263.8	34.57	5.573	0	0				
7:51	171	7.903	241.9	37.28	3.969	0	0				
7:51	172.3	7.879	222.3	38.61	2.198	0	0				
7:52	173.4	7.885	227.9	39.7	2.175	0	0				
7:52	174.5	7.896	232.8	40.79	2.159	0	0				
7:53	175.5	7.891	241	41.88	2.146	0	0				
7:53	176.6	7.884	244	42.95	2.129	0	0				
7:54	0	0	0	0	0	0	0	Bump Top Plug			
7:54	176.9	7.87	569.8	43.23	2503E-6	0	0				
7:54	176.9	7.875	569.2	43.23	8962E-10	0	0				
7:55	0	0	0	0	0	0	0	Bleed Off Pressure			
7:55	176.9	7.877	569.2	43.23	3209E-13	0	0				
7:55	176.9	7.877	416.1	43.23	1149E-16	0	0				
7:56	176.9	7.875	47.98	43.23	932E-5	0	0				

Post Job Summary											
Average Pump Rates, bpm					Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2			
5.5	0	0	5.7		108	0	0	0			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density				
550	550	250	0	0		0 bbl	0 lb/gal				
Avg. N2 Percent		Designed Slurry Volume		Displacement		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume					
0 %		0 bbl		41 bbl		<input type="checkbox"/> Washed Thru Perfs To		0 ft			
Customer or Authorized Representative					Dowell Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	
Jeff Lasiter					BRAWLEY DAVID						

<p><b>Well</b>     Smith #1-3</p> <p><b>Field</b>    Hugoton</p> <p><b>Country</b>  USA</p>	<p><b>Client</b>    Mobil E&amp;P US Inc.</p> <p><b>SIR No.</b>   20006372</p> <p><b>Job Date</b>  7/8/97 7:09:05 AM</p>
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Job: mobs6372

07/08/1997 08:01

\* Mark of Schlumberger

# ORIGINAL

## Cementing Service Report

15.189-22185

**Schlumberger**  
Dowell

<b>Customer</b> MOBIL OIL CORP V390500757A	<b>Job Number</b> 20006374
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<b>Well</b> Smith #1-3 1-3		<b>Location (legal)</b> Sec 9-33S-35W		<b>Dowell Location</b> Ulysses, KS		<b>Service Date</b> 7/10/97					
<b>Field</b> Hugoton		<b>Formation Type</b> Dolomite		<b>Deviation</b> 0 °		<b>Bit Size</b> 7.88 in	<b>Well MD</b> 3,045 ft	<b>Well TVD</b> 3,045 ft			
<b>County</b> Stevens		<b>State/Province</b> KS		<b>BHP</b> 0 psi	<b>BHST</b> 0 °F	<b>BHCT</b> 0 °F	<b>Pore Press. Gradient</b> 0 psi/ft				
<b>Rig Name</b> Norsman #22		<b>Drilled For</b> Gas		<b>Service Via</b> Land		<b>Casing/Liner</b>					
<b>Water Depth</b>		<b>Well Class</b> 101		<b>Well Type</b> Development		<b>Depth, ft</b> 3034	<b>Size, in</b> 5.5	<b>Weight, lb/ft</b> 14	<b>Grade</b>	<b>Thread</b> 8rd	
<b>Drilling Fluid Type</b> Bentonite		<b>Max. Density</b> 9.2 lb/gal		<b>Plastic Viscosity</b> 33 cp		<b>Tubing/Drill Pipe</b>					
<b>Service Line</b> Cementing		<b>Job Type</b> Cem Prod Casing		<b>Depth</b> 0	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>			
<b>Max. Allowed Tubing Pressure</b> 2500 psi		<b>Max. Allowed Ann. Pressure</b> 0 psi		<b>Wellhead Connection</b> Single cement head		<b>Perforations/Open Hole</b>					
<b>Service Instructions</b> Safley cement production casing as directed by customer.				<b>Top, ft</b> 0	<b>Bottom, ft</b> 0	<b>spf</b> 0	<b>No. of Shots</b> 0	<b>Total Interval</b> 0 ft			
				<b>Depth</b> 0	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>			
				<b>Depth</b> 0	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>			
				<b>Treat Down</b> Casing		<b>Displacement</b> 73 bbl		<b>Packer Type</b>		<b>Packer Depth</b> 0 ft	
				<b>Tubing Vol.</b> 0 bbl		<b>Casing Vol.</b> 74 bbl		<b>Annular Vol.</b> 0 bbl		<b>Open Hole Vol</b> 0 bbl	
<b>Casing/Tubing Secured</b> <input checked="" type="checkbox"/> <b>1 Hole Volume Circulated prior to Cementing</b> <input checked="" type="checkbox"/>				<b>Casing Tools</b>			<b>Squeeze Job</b>				
<b>Lift Pressure:</b> 1785 psi				<b>Shoe Type:</b> Guide			<b>Squeeze Type</b>				
<b>Pipe Rotated</b> <input type="checkbox"/> <b>Pipe Reelocated</b> <input type="checkbox"/>				<b>Shoe Depth:</b> 3035 ft			<b>Tool Type:</b>				
<b>No. Centralizers:</b> 0		<b>Top Plugs:</b> 1		<b>Bottom Plugs:</b> 0		<b>Stage Tool Type</b>			<b>Tool Depth:</b> 0 ft		
<b>Cement Head Type:</b> Single				<b>Stage Tool Depth:</b> 0 ft			<b>Tail Pipe Size:</b> 0 in				
<b>Job Scheduled For:</b> 7/10/97 22:00		<b>Arrived on Location:</b> 7/10/97 22:00		<b>Leave Location:</b> 7/10/97 3:00		<b>Collar Type:</b> Auto-Fill			<b>Tail Pipe Depth:</b> 0 ft		
				<b>Collar Depth:</b> 2994 ft			<b>Sqz Total Vol:</b> 0 bbl				
<b>Time</b>	<b>Density</b>	<b>Pressure U1</b>	<b>Pump</b>					<b>Message</b>			
24 hr clock	ppg	psi	bpm								
1:24	-6.235	132.6	5.591	0	0	0	0				
1:29	-6.235	120.9	5.593	0	0	0	0				
1:29	-6.235	122.9	5.592	0	0	0	0				
1:28	-6.235	124.7	5.604	0	0	0	0				
1:28	-6.235	122.7	5.592	0	0	0	0				
2:10	0	0	0	0	0	0	0	End Job			
1:27	-6.235	121.4	5.583	0	0	0	0				
1:26	-6.235	124	5.59	0	0	0	0				
1:20	-6.235	139.7	5.589	0	0	0	0				
1:25	-6.235	133	5.591	0	0	0	0				
1:31	-6.235	108.3	5.596	0	0	0	0				
1:24	-6.235	130.4	5.601	0	0	0	0				
1:23	-6.236	130.6	5.585	0	0	0	0				
1:23	-6.235	130.7	5.593	0	0	0	0				
1:22	-6.235	132.3	5.593	0	0	0	0				
1:22	-6.235	130.6	5.593	0	0	0	0				
1:21	-6.235	137	5.592	0	0	0	0				
1:21	-6.235	135.7	5.592	0	0	0	0				
1:40	0	0	0	0	0	0	0	RESTART AFTER PAUSE			
1:25	-6.235	127.2	5.59	0	0	0	0				
1:33	-6.235	240.8	5.591	0	0	0	0				
1:36	0	0	0	0	0	0	0	PAUSE ACQUISITION			

# ORIGINAL

Well		Field			Service Date		Customer		Job Number	
Smith #1-3 #1-3		Hugoton			7/10/97		MOBIL OIL CORP V39050075		20006374	
Time	Density	Pressure U1	Pump					Message		
24 hr clock	ppg	psi	bpm							
1:36	-6.235	-8.796	4356E-6	0	0	0	0			
1:36	0	0	0	0	0	0	0	Reset Volume		
1:36	0	0	0	0	0	0	0	[Stage Vol]=24.84 bbl		
1:36	0	0	0	0	0	0	0	Shutdown		
1:36	-6.235	151.9	5.594	0	0	0	0			
1:35	-6.237	222.2	5.601	0	0	0	0			
1:35	-6.235	209.1	5.594	0	0	0	0			
1:30	-6.235	116.8	5.593	0	0	0	0			
1:34	-6.235	264.9	5.592	0	0	0	0			
1:30	-6.235	115.3	5.596	0	0	0	0			
1:33	-6.235	269.9	5.591	0	0	0	0			
1:32	-6.235	215.2	5.586	0	0	0	0			
1:32	-6.235	152.1	5.584	0	0	0	0			
1:32	0	0	0	0	0	0	0	Start Mixing Tail Slurry		
1:32	0	0	0	0	0	0	0	Reset Volume		
1:32	0	0	0	0	0	0	0	[Stage Vol]=95.67 bbl		
1:31	-6.235	84.41	5.591	0	0	0	0			
1:19	-6.235	150.1	5.591	0	0	0	0			
1:34	-6.236	235.1	5.592	0	0	0	0			
1:07	-6.25	-3716	0	0	0	0	0	START ACQUISITION		
1:10	-6.236	1.118	0	0	0	0	0			
1:10	0	0	0	0	0	0	0	Start Pumping Water		
1:10	0	0	0	0	0	0	0	Reset Volume		
1:10	0	0	0	0	0	0	0	[Stage Vol]=0 bbl		
1:09	-6.235	1881	0	0	0	0	0			
1:09	-6.235	1696	0	0	0	0	0			
1:08	-6.235	-9991	0	0	0	0	0			
1:20	-6.235	136.6	5.592	0	0	0	0			
1:07	0	0	0	0	0	0	0	Pressure Test Lines		
1:11	-6.235	218	6.825	0	0	0	0			
0:56	0	0	0	0	0	0	0	STOP ACQUISITION		
0:56	0	0	0	0	0	0	0	Reset Volume		
0:56	0	0	0	0	0	0	0	[Stage Vol]=1.187 bbl		
0:55	-6.235	-2.097	0	0	0	0	0			
0:55	-6.235	-5.906	0	0	0	0	0			
0:54	-6.235	-5.822	0	0	0	0	0			
0:54	-6.25	-3716	0	0	0	0	0	START ACQUISITION		
0:49	0	0	0	0	0	0	0	STOP ACQUISITION		
1:08	-6.235	3.136	0	0	0	0	0			
1:14	0	0	0	0	0	0	0	[Stage Vol]=27.73 bbl		
1:19	-6.236	162.7	5.579	0	0	0	0			
1:18	-6.235	185.7	5.601	0	0	0	0			
1:18	-6.239	208.1	5.595	0	0	0	0			
1:17	-6.235	232.3	5.594	0	0	0	0			
1:17	-6.235	238	5.595	0	0	0	0			
1:16	-6.235	252.1	5.605	0	0	0	0			
1:16	-6.235	286.4	5.59	0	0	0	0			
1:15	-6.235	283.8	5.576	0	0	0	0			
1:10	-6.235	245	7.667	0	0	0	0			
1:14	0	0	0	0	0	0	0	Reset Volume		
1:11	-6.236	224.3	7.668	0	0	0	0			
1:14	0	0	0	0	0	0	0	Start Mixing Lead Slurry		
1:14	-6.235	227.7	5.588	0	0	0	0			
1:14	-6.235	225.8	5.591	0	0	0	0			



Well			Field			Service Date		Customer		Job Number	
Smith #1-3 #1-3			Hugoton			7/10/97		MOBIL OIL CORP V39050074		20006374	
Time	Density	Pressure UI	Pump					Message			
24 hr clock	PPg	psi	bpm								
1:13	-6.235	227.8	5.595	0	0	0	0				
1:13	-6.235	220.9	5.596	0	0	0	0				
1:12	-6.235	217.2	5.591	0	0	0	0	ORIGINAL			
1:12	-6.235	217.9	5.595	0	0	0	0				
1:27	-6.235	123.3	5.592	0	0	0	0				
1:15	-6.235	232.4	5.593	0	0	0	0				
2:00	-6.239	1031	3646E-6	0	0	0	0				
2:04	-6.235	-8.292	3524E-37	0	0	0	0				
2:04	-6.236	-7.034	9844E-34	0	0	0	0				
2:03	-6.236	-7.317	768E-26	0	0	0	0				
2:02	-6.235	-9.128	5991E-20	0	0	0	0				
2:01	-6.237	25.68	1673E-16	0	0	0	0				
2:01	-6.235	1032	4674E-13	0	0	0	0				
1:57	0	0	0	0	0	0	0	Shutdown			
2:00	0	0	0	0	0	0	0	Bleed Off Pressure			
2:06	-6.24	948.4	3927E-9	0	0	0	0				
1:59	0	0	0	0	0	0	0	Shutdown			
1:59	0	0	0	0	0	0	0	Bump Top Plug			
1:59	-6.238	704.9	1.747	0	0	0	0				
1:59	-6.236	574.2	5687E-16	0	0	0	0				
1:58	-6.238	585.4	1588E-12	0	0	0	0				
1:58	-6.236	594.2	4437E-9	0	0	0	0				
1:57	-6.236	613.6	1239E-5	0	0	0	0				
2:00	-6.238	1029	1306E-9	0	0	0	0				
0:47	-6.235	-2528E-12	0	0	0	0	0				
2:10	-6.235	85.63	5.709	0	0	0	0				
2:09	-6.235	167.8	5.698	0	0	0	0				
2:09	-6.238	-7.516	827E-29	0	0	0	0				
2:08	-6.236	-8.317	231E-25	0	0	0	0				
2:08	-6.235	-2.42	6452E-23	0	0	0	0				
0:49	-6.235	36.17	2.322	0	0	0	0				
0:49	-6.235	-3.224	0	0	0	0	0				
2:05	-6.236	10.95	.7321	0	0	0	0				
0:48	-6.235	-4.397	0	0	0	0	0				
2:05	-6.235	1171	1097E-5	0	0	0	0				
0:47	0	0	0	0	0	0	0	START ACQUISITION			
1:26	-6.237	118.9	5.587	0	0	0	0				
1:40	-6.235	-10.01	4656E-9	0	0	0	0				
2:07	-6.237	-8.778	1802E-19	0	0	0	0				
2:07	-6.238	-4.597	5034E-16	0	0	0	0				
2:06	-6.238	-5.78	1406E-12	0	0	0	0				
2:02	-6.237	-9.117	2145E-23	0	0	0	0				
0:48	-6.236	-9551	0	0	0	0	0				
1:44	-6.235	39.09	5.716	0	0	0	0				
1:48	-6.235	149.7	5.625	0	0	0	0				
1:47	-6.237	118.4	5.719	0	0	0	0				
1:47	-6.237	87.99	5.712	0	0	0	0				
1:46	-6.236	52.96	5.714	0	0	0	0				
1:46	-6.235	53.15	5.711	0	0	0	0				
1:57	-6.235	691.1	1.771	0	0	0	0				
1:45	-6.237	43.42	5.711	0	0	0	0				
1:48	-6.235	185.4	5.589	0	0	0	0				
1:44	-6.235	38.81	5.712	0	0	0	0				
1:45	-6.235	54.21	5.711	0	0	0	0				

Well		Field		Service Date		Customer		Job Number	
Smith #1-3 #1-3		Hugoton		7/10/97		MOBIL OIL CORP V39060075		20006374	
Time	Density	Pressure Uf	Pump					Message	
24 hr clock	PPG	psi	bpm						
1:43	-6.235	77.75	5.71	0	0	0	0		
1:43	-6.236	77.65	5.718	0	0	0	0		
1:42	-6.235	77.67	5.722	0	0	0	0	ORIGINAL	
1:42	-6.235	37.57	4.545	0	0	0	0		
1:41	-6.235	-10.4	5968E-16	0	0	0	0		
1:41	-6.235	-6.743	1667E-12	0	0	0	0		
1:40	0	0	0	0	0	0	0	Start Displacement	
1:40	0	0	0	0	0	0	0	Drop Top Plug	
2:03	-6.236	-5.923	2749E-30	0	0	0	0		
1:55	-6.235	651.7	1.837	0	0	0	0		
1:56	-6.236	668.8	1.816	0	0	0	0		
1:49	-6.236	224.3	5.592	0	0	0	0		
1:55	-6.235	639.7	1.869	0	0	0	0		
1:54	-6.24	622.4	1.898	0	0	0	0		
1:54	-6.235	610.3	1.927	0	0	0	0		
1:53	-6.236	612.6	2.303	0	0	0	0		
1:53	0	0	0	0	0	0	0	Lower Pump Rate	
1:53	-6.235	690.2	5.589	0	0	0	0		
1:52	-6.235	622.1	5.588	0	0	0	0		
1:52	-6.238	579.4	5.59	0	0	0	0		
1:51	-6.235	493.9	5.59	0	0	0	0		
1:50	-6.235	349.8	5.584	0	0	0	0		
1:56	-6.235	686.5	1.781	0	0	0	0		
1:49	-6.235	263.1	5.589	0	0	0	0		
1:50	-6.235	309	5.589	0	0	0	0		
1:51	-6.235	407.4	5.58	0	0	0	0		
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Lead Slurry	Tail Slurry	Mud	Spacer	N2	
5.5	0	0	5.7	119.8	119.8	0	0	0	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
1300	0	400	0	0		0 bbl	0 lb/gal		
Avg. N2 Percent		Designed Slurry Volume		Displacement		Cement Circulated to Surface? Volume		Density	
0 %		0 bbl		73.9 bbl		<input type="checkbox"/> To		0 ft	
Customer or Authorized Representative					Dowell Supervisor				
Mr. Russell Worley					FICA BRENNON				
					<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed				