

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

ORIGINAL

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. _____

7-23-97 7-26-97 7-30-97

Spud Date Date Reached TD Completion Date

API NO. 15- 189-221770000 _____

County Stevens

SE - NW - NW Sec. 26 Twp. 34 Rge. 36 X E W

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 Rush #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3037 KB 3046

Total Depth 2993 PBTB 2938

Amount of Surface Pipe Set and Cemented at 782 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 AH-1, 4-20-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 35,000 ppm Fluid volume 280 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 11-17-97

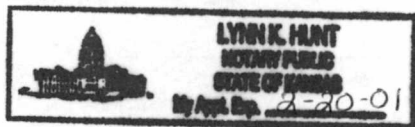
Subscribed and sworn to before me this 11th day of November, 19 97.

Notary Public Lynne K. Hunt

Date Commission Expires February 20, 2001

7-82.kcc

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input 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"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other
(Specify)		



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

Sec. 26 Twp. 34 Rge. 36 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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 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: <p style="text-align: center;">NO LOGS RUN</p>	<input type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Name</td> <td style="width:25%;">Top</td> <td style="width:25%;">Datum</td> </tr> </table>	Name	Top	Datum
Name	Top	Datum		

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#	782	Class C Class C	250 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2983	Class C Class C	275 100	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				

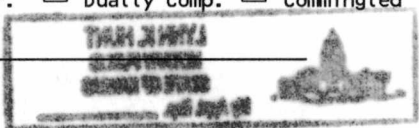
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	2736-48	Acid: 1,000 gals 7.5% HCL	
	2783-91	Fracd: 10,122 gals WF130 in 70q foam	
		80,800 lbs 16/30 sand	

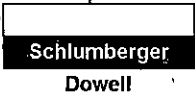
TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 8-22-97			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		229			

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

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

Production Interval: _____ 2736 _____ 2791 _____





Cementing Service Report

ORIGINAL

Customer	Job Number
MOBIL OIL CORP V390500757A	20008903

Well		Location (legal)		Dowell Location		Service Date	
Rush 1-3		Sec. 26-34S-36W		Ulysses, KS		7/23/97	
Field		Formation Name/Type		Deviation		Well MD	
Hugoton		Shale		0		787 ft	
County		State/Province		BHP		BHST	
Stevens		Kansas		0 psi		70 °F	
Rig Name		Drilled For		Service Via		Casing/Liner	
Norseman #2		Gas		Land		Depth, ft	
Water Depth		Well Class		Well Type		Size, in	
		101		Development		Weight, lb/ft	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Grade	
Bentonite		9.2 lb/gal		33 cp		Thread	
Service Line		Job Type		Depth		Size, in	
Cementing		Cem Surface Casing		0		Weight, lb/ft	
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Wellhead Connection		Grade	
0 psi		0 psi		Single cement head		Thread	
Service Instructions		Max. Density		Plastic Viscosity		Perforations/Open Hole	
Safely deliver & perform Surface Cement Job with materials & equipment listed below. Per clients instructions. Loc Code 63029 Acc Code 4903 I.D. JLLASITE Total Field Price 5395.47		9.2 lb/gal		33 cp		Top, ft	
						Bottom, ft	
						spf	
						No. of Shots	
						Total Interval	
						0 ft	
						Diameter	
						0 in	
						Pack Depth	
						0 ft	
						Open Hole Vol	
						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: 321 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide	
No. Centralizers: 5		Top Plugs: 1		Bottom Plugs: 0		Shoe Depth: 782 ft	
Cement Head Type: Single		Job Scheduled For: 7/23/97 22:00		Arrived on Location: 7/23/97 20:00		Leave Location: 7/24/97 0:00	
						Stage Tool Type	
						Tool Depth: 0 ft	
						Stage Tool Depth: 0 ft	
						Tail Pipe Size: 0 in	
						Collar Type: Other	
						Tail Pipe Depth: 0 ft	
						Collar Depth: 738 ft	
						Sqz Total Vol: 0 bbl	
Time	CumVol	Density	Pressure U1	Rosol Volume	TotFlowrate	Message	
24-hr clock	bbl	ppg	psi	bbl	bpm		
22:08	0	0	0	0	0	START ACQUISITION	
22:08	0	8.242	-18.38	0	0		
22:09	0	8.245	-18.38	0	0		
22:09	0	8.242	-18.38	0	0		
22:10	0	8.242	-18.38	0	0		
22:10	0	8.242	-18.38	0	0		
22:11	0	8.242	-18.38	0	0		
22:11	0	8.243	-18.38	0	0		
22:12	0	7.982	-17.7	0	0		
22:12	4939E-6	8.31	-18.38	4939E-6	4594E-6		
22:13	6083E-6	8.318	-18.38	6083E-6	1618E-7		
22:13	6842E-6	8.317	-18.38	6842E-6	1601E-6		
22:14	.0074	8.316	-18.38	.0074	3969E-8		
22:14	.2002	8.312	632.4	.2002	.3889		
22:15	.2255	8.318	1726	.2255	2398E-7		
22:15	.2291	8.312	-13.7	.2291	2255E-6		
22:16	.2419	8.303	-18.38	.2419	6001E-5		
22:16	0	0	0	0	0	Start Pumping Water	
22:16	.3968	8.289	-1.702	.3968	2.285		
22:17	2.948	8.244	82.63	2.948	5.69		
22:17	5.807	8.243	86.35	5.807	5.676		

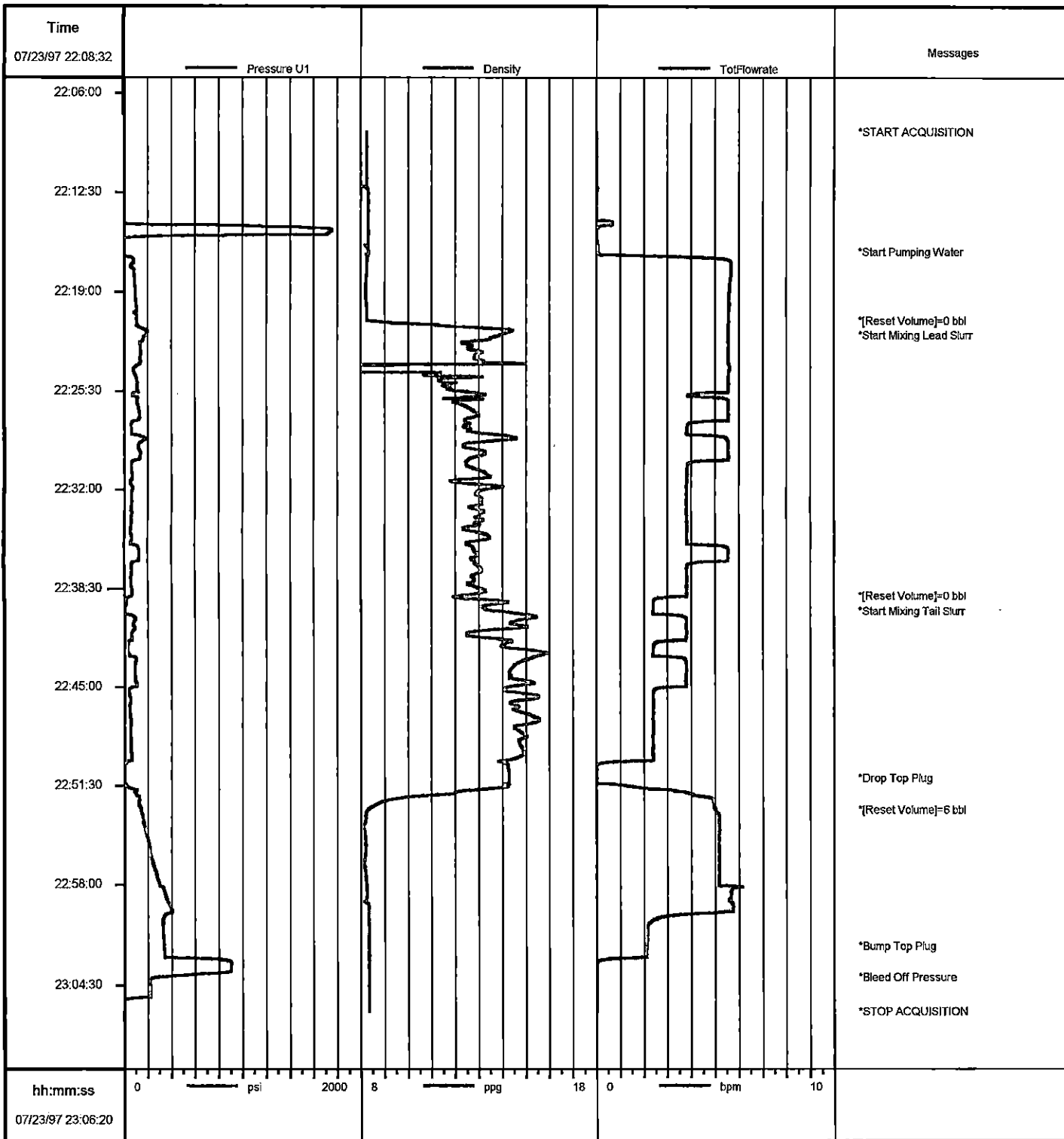
Well			Field			Service Date		Customer		Job Number	
Rush #1-3			Hugoton			7/23/97		MOBIL OIL CORP V39050075		20008903	
Time	CumVol	Density	Pressure U1	Reset Volume	TotFlowrate			Message			
24 hr clock	bbbl	ppg	psi	bbbl	bpm						
22:18	8.654	8.227	90.39	8.654	5.649	0	0				
22:18	11.5	8.211	93.44	11.5	5.618	0	0	ORIGINAL			
22:19	14.31	8.194	96.43	14.31	5.584	0	0				
22:19	17.12	8.227	101	17.12	5.571	0	0				
22:20	19.93	8.241	105.7	19.93	5.584	0	0				
22:20	22.73	8.244	106.6	22.73	5.565	0	0				
22:20	0	0	0	0	0	0	0				
22:20	0	0	0	0	0	0	0	Start Mixing Lead Slurry			
22:21	25.53	11.22	106.4	1.402	5.566	0	0				
22:21	28.32	14.19	196.3	4.193	5.554	0	0				
22:22	31.12	13.21	161.6	6.985	5.554	0	0				
22:22	33.91	12.54	141.7	9.779	5.557	0	0				
22:23	36.7	12.89	139.4	12.57	5.557	0	0				
22:23	39.51	14.27	137.8	15.38	5.569	0	0				
22:24	42.32	-3.074	80.43	18.19	5.591	0	0				
22:24	45.12	11.55	107.4	20.99	5.544	0	0				
22:25	47.91	11.56	112	23.78	5.55	0	0				
22:25	50.58	13.1	77.61	26.45	4.106	0	0				
22:26	53.04	11.93	109.8	28.91	5.557	0	0				
22:26	55.83	12.66	124.1	31.7	5.539	0	0				
22:27	58.61	12.82	133.2	34.48	5.554	0	0				
22:27	61.05	12.59	60.93	36.92	3.855	0	0				
22:28	62.97	12.75	59.9	38.84	3.812	0	0				
22:28	65.44	14.13	176.3	41.31	5.527	0	0				
22:29	68.24	12.43	121.9	44.11	5.549	0	0				
22:29	71.03	13.13	139.1	46.9	5.558	0	0				
22:30	73.59	12.47	63.66	49.46	3.912	0	0				
22:30	75.52	13.04	63.7	51.39	3.825	0	0				
22:31	77.44	13.07	68.92	53.31	3.816	0	0				
22:31	79.36	13.71	61.85	55.23	3.803	0	0				
22:32	81.28	12.85	61.03	57.15	3.811	0	0				
22:32	83.19	13.04	61.57	59.06	3.8	0	0				
22:33	85.11	12.8	58.31	60.98	3.81	0	0				
22:33	87.03	12.93	62.03	62.9	3.803	0	0				
22:34	88.94	12.97	62.51	64.81	3.808	0	0				
22:34	90.86	12.82	58.36	66.72	3.801	0	0				
22:35	92.76	13.31	68.11	68.63	3.793	0	0				
22:35	94.87	12.72	119.4	70.74	5.424	0	0				
22:36	97.74	12.95	129.1	73.61	5.537	0	0				
22:36	100.5	12.8	79.64	76.34	4.266	0	0				
22:37	102.4	13.12	64.31	78.27	3.79	0	0				
22:37	104.3	12.76	59.51	80.18	3.802	0	0				
22:38	106.2	12.71	59.22	82.09	3.795	0	0				
22:38	108.1	13	65.91	84.01	3.8	0	0				
22:38	0	0	0	0	0	0	0	[Reset Volume]=0 bbl			
22:39	0	0	0	0	0	0	0	Start Mixing Tail Slurry			
22:39	109.7	13.81	9.061	.8196	2.419	0	0				
22:39	110.9	13.26	.586	2.029	2.405	0	0				
22:40	112.2	15.38	73.25	3.336	3.589	0	0				
22:40	114.1	14.34	77.01	5.233	3.79	0	0				
22:41	116.1	12.82	69.26	7.147	3.802	0	0				
22:41	118	13.88	67.39	9.057	3.78	0	0				
22:42	119.3	14.08	27.99	10.42	2.402	0	0				

Well		Field				Service Date		Customer		Job Number
Rush #1-3		Hugoton				7/23/97		MOBIL OIL CORP V39050075		20008903
Time	GunVol	Density	Pressure Uf	Reset Volume	Total Flowrate			Message		
24 hr clock	bbbl	ppg	psi	bbbl	bpm					
22:42	120.5	15.73	41.59	11.62	2.384	0	0			
22:43	122.2	14.71	97.01	13.31	3.784	0	0			
22:43	124.1	14.34	91.46	15.22	3.795	0	0	ORIGINAL		
22:44	126	14.3	93.93	17.13	3.781	0	0			
22:44	127.9	14.95	111.7	19.02	3.783	0	0			
22:45	129.4	14.45	43.05	20.47	2.408	0	0			
22:45	130.6	14.96	55.91	21.67	2.402	0	0			
22:46	131.8	14.63	49.98	22.89	2.403	0	0			
22:46	133	15.21	52.01	24.09	2.397	0	0			
22:47	134.2	15.32	60	25.3	2.398	0	0			
22:47	135.4	14.67	54.82	26.5	2.403	0	0			
22:48	136.6	14.93	59.18	27.71	2.395	0	0			
22:48	137.8	14.77	59.58	28.92	2.396	0	0			
22:49	139	14.92	62.16	30.12	2.392	0	0			
22:49	140.2	14.1	58.67	31.32	2.265	0	0			
22:50	140.4	14.25	.1656	31.47	9752E-7	0	0			
22:50	140.4	14.27	5931E-8	31.47	3491E-10	0	0			
22:51	0	0	0	0	0	0	0	Drop Top Plug		
22:51	140.4	14.28	4.596	31.47	.2579	0	0			
22:51	141.3	12.23	86.32	32.44	3.284	0	0			
22:52	143.5	9.471	127.1	34.56	4.89	0	0			
22:52	146	8.506	133.9	37.05	4.966	0	0			
22:53	0	0	0	0	0	0	0	[Reset Volume]=6 bbl		
22:53	148.5	8.198	154.3	7.442	5.146	0	0			
22:53	151.1	8.196	162.7	10.05	5.153	0	0			
22:54	153.7	8.116	180	12.65	5.168	0	0			
22:54	156.3	8.172	196.4	15.24	5.149	0	0			
22:55	158.9	8.194	208.7	17.84	5.165	0	0			
22:55	161.5	8.185	220.3	20.43	5.145	0	0			
22:56	164.1	8.141	234.3	23.04	5.158	0	0			
22:56	166.7	8.153	257	25.63	5.153	0	0			
22:57	169.3	8.191	273.8	28.23	5.16	0	0			
22:57	171.9	8.226	296.3	30.82	5.149	0	0			
22:58	174.6	8.237	338.1	33.61	5.671	0	0			
22:58	177.5	8.232	360.2	36.47	5.66	0	0			
22:59	180.4	8.316	389.3	39.32	5.756	0	0			
22:59	183.1	8.319	358.3	42.07	4.047	0	0			
23:00	184.5	8.324	328.9	43.46	2.312	0	0			
23:00	185.6	8.32	327.7	44.56	2.147	0	0			
23:01	186.7	8.319	329.3	45.64	2.13	0	0			
23:01	187.7	8.319	334.7	46.71	2.118	0	0			
23:02	0	0	0	0	0	0	0	Bump Top Plug		
23:02	188.8	8.318	339.6	47.76	2.093	0	0			
23:02	189.5	8.319	892.3	48.5	.0879	0	0			
23:03	189.5	8.319	900.7	48.5	3147E-8	0	0			
23:03	189.5	8.318	300.9	48.5	1127E-11	0	0			
23:04	0	0	0	0	0	0	0	Bleed Off Pressure		
23:04	189.5	8.321	218.6	48.5	4034E-15	0	0			
23:04	189.5	8.321	220.6	48.5	1444E-18	0	0			
23:05	189.5	8.318	-3.648	48.5	5171E-22	0	0			
23:05	189.5	8.318	-18.38	48.5	3107E-6	0	0			

Well Rush #1-3		Field Hugoton		Service Date 7/23/97		Customer MOBIL OIL CORP V39050075		Job Number 20008903	
Time 24 hr clock	CumVol bbl	Density PPG	Pressure U1 psi	Rosol Volume bbl	TotFlowrate bpm	Message			
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2	
4	0	0	5.5		116	0	0	0	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density	
500	400	300	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		47 bbl		<input type="checkbox"/> Washed Thru Perfs To		0 ft		
Customer or Authorized Representative Jeff Lasiter			Dowell Supervisor Dave Brawley			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

ORIGINAL

Well	Rush #1-3	Client	Mobil E&P US Inc
Field	Hugoton	SIR No.	20008903
Country	USA	Job Date	7/23/97 10:08:32 PM



Job: mobil8903

07/23/1997 23:09

* Mark of Schlumberger

ORIGINAL

Cementing Service Report



Dowell

Customer	MOBIL OIL CORP V390500757A	Job Number	20008911
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Well		Location (log)		Dowell Location		Service Date	
Rush 1-3		Sec. 26-34S-36W		Ulysses, KS		7/16/97	
Field		Formation Name/Type		Deviation		Well TVD	
Hugoton		Dolomite		0		2,983 ft	
County		State/Province		BHP		Pore Press. Gradient	
Stevens		KS		0 psi		0 psi/ft	
Rig Name		Drilled For		Service Via		Casing/Liner	
NORSEMAN 2		Gas		Land		Depth, ft	
Water Depth		Well Class		Well Type		Size, in	
		101		Development		14	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Weight, lb/ft	
Bentonite		8.2 lb/gal		0 cp		Grade	
Service Line		Job Type		Depth		Thread	
Cementing		Cem Prod Casing		0		0	
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Workhead Connection		Perforations/Open Hole	
0 psi		0 psi		Single cement head		Top, ft	
Service Instructions		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Bottom, ft		spf	
Cement and equipment to safely cement 5 1/2 casing as per customer request				0		No. of Shots	
Location #63029				0		Total Interval	
I.D. J L Lasiter				0		0 ft	
				0		Diameter	
				0		0 in	
				Treat Down		Packer Type	
				Casing		Packer Depth	
				71.6 bbl		0 ft	
				Tubing Vol.		Open Hole Vol	
				0 bbl		0 bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: 1760 psi		Shoe Type: Guide		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Shoe Depth: 2983 ft		Tool Type:			
Pipe Recirculated <input type="checkbox"/>		Stage Tool Type		Tool Depth: 0 ft			
No. Centralizers: 0		Top Plugs: 0		Bottom Plugs: 0			
Cement Head Type: Single		Stage Tool Depth: 0 ft		Tail Pipe Size: 0 in			
Job Scheduled For: 7/26/97 14:00		Arrived on Location: 7/26/97 13:50		Leave Location:			
		Coffler Type: Auto-Fill		Tail Pipe Depth: 0 ft			
		Coffler Depth: 2936 ft		Sqs Total Vol: 0 bbl			
Time	Gain/Net	Density	Pressure UP	Total Flowrate	Message		
24 hr Clock	bbl	ppg	psi	ppm			
15:55	0	0	0	0	START ACQUISITION		
15:55	2035E-6	8.303	137	8398E-5			
15:55	0	0	0	0	Pressure Test Lines		
15:55	4787E-5	8.297	2707	2682E-5			
15:56	0	0	0	0	Bleed Off Pressure		
15:56	6004E-5	8.297	144.8	769E-5			
15:57	0	0	0	0	[Cum Vol]=6041 E-5 bbl		
15:57	0	0	0	0	Reset Volume		
15:57	0	0	0	0	Start Pumping Water		
15:57	.0617	8.195	168.5	1.031			
15:58	3.468	8.212	360.5	5.711			
15:58	7.28	8.189	365.9	5.685			
15:59	11.05	8.152	370.3	5.609			
16:00	14.79	8.139	377.4	5.62			
16:00	18.55	8.123	382.7	5.602			
16:01	22.28	8.147	389.9	5.564			
16:02	25.99	8.203	401.3	5.57			
16:02	29.77	8.206	402.8	5.558			
16:03	0	0	0	0	Start Mixing Lead Slurry		
16:03	33.61	8.197	409.5	5.551			
16:03	0	0	0	0	Reset Volume		

RECEIVED
 1997 JUL 18 4 11 PM
 SLS

Well			Field			Service Date		Customer	Job Number
Rush #1-3			Hugoton			7/16/97		MOBIL OIL CORP V39050074	20006911
Time	CumVol	Density	Pressure UI	TotFlowrate				Message	
24 hr Clock	bbbl	ppg	psi	gpm					
16:04	2.049	10.26	428.1	5.558	0	0	0		
16:04	5.745	11.8	435.4	5.549	0	0	0		
16:05	9.46	11.51	411.7	5.561	0	0	0		
16:06	13.17	11.62	399.9	5.542	0	0	0		
16:06	16.87	11.81	386.1	5.536	0	0	0		
16:07	20.59	11.39	366.6	5.56	0	0	0		
16:08	24.3	11.41	352.1	5.544	0	0	0		
16:08	28.11	11.49	330.8	5.578	0	0	0		
16:09	31.84	11.68	328.5	5.575	0	0	0		
16:10	35.57	11.71	305.2	5.56	0	0	0		
16:10	39.29	11.7	286.4	5.584	0	0	0		
16:11	43.02	11.47	265.9	5.582	0	0	0		
16:12	46.76	11.43	236.2	5.58	0	0	0		
16:12	50.48	11.54	232.8	5.561	0	0	0		
16:13	54.21	11.16	228.4	5.579	0	0	0		
16:14	58.03	11.66	237.3	5.555	0	0	0		
16:14	61.75	11.42	234	5.571	0	0	0		
16:15	65.47	11.31	228.8	5.567	0	0	0		
16:16	69.18	11.32	233	5.557	0	0	0		
16:16	72.9	11.48	232.1	5.566	0	0	0		
16:17	76.61	11.38	233.1	5.561	0	0	0		
16:18	80.32	11.43	232.6	5.547	0	0	0		
16:18	84.14	11.36	233.4	5.554	0	0	0		
16:19	87.86	11.5	236.1	5.559	0	0	0		
16:20	91.57	11.44	232.9	5.552	0	0	0		
16:20	95.27	11.67	239.5	5.547	0	0	0		
16:21	98.99	11.41	234.4	5.552	0	0	0		
16:22	102.7	11.39	232.8	5.55	0	0	0		
16:22	106.4	11.61	239.9	5.549	0	0	0		
16:23	110.1	11.39	234.1	5.585	0	0	0		
16:24	114	11.48	236.6	5.576	0	0	0		
16:24	117.7	11.52	237.7	5.559	0	0	0		
16:25	121.4	10.94	234	5.568	0	0	0		
16:26	125.1	11.51	242.9	5.556	0	0	0		
16:26	128.8	11.21	241.5	5.555	0	0	0		
16:27	132.6	12.34	249.6	5.526	0	0	0		
16:28	136.2	14.59	273.4	5.487	0	0	0		
16:28	0	0	0	0	0	0	0	Start Mixing Tail Slurry	
16:28	0	0	0	0	0	0	0	[CumVol]=136.4 bbl	
16:28	0	0	0	0	0	0	0	Reset Volume	
16:28	1.285	14.83	296	5.48	0	0	0		
16:29	4.933	15.09	338.5	5.45	0	0	0		
16:30	8.694	15.35	332.1	5.488	0	0	0		
16:30	12.35	14.74	310.7	5.461	0	0	0		
16:31	15.99	14.87	310.6	5.441	0	0	0		
16:32	19.65	14.87	315	5.471	0	0	0		
16:32	23.3	14.42	304	5.486	0	0	0		
16:33	0	0	0	0	0	0	0	Shutdown	
16:33	24.06	14.18	136.3	6.223	0	0	0		
16:33	0	0	0	0	0	0	0	PAUSE ACQUISITION	
16:35	0	0	0	0	0	0	0	RESTART AFTER PAUSE	
16:35	24.22	8.362	127.9	1.139	0	0	0		
16:35	0	0	0	0	0	0	0	Drop Top Plug	

Well		Field			Service Date		Customer		Job Number
Rush #1-3		Hugoton			7/16/97		IOBIL OIL CORP V39050075		20008911
Time	CumVol	Density	Pressure UI	Yofflowrate				Message	
24 hr clock	bbbl	bpm	psi	bpm					
16:35	0	0	0	0	0	0	0	Start Displacement	
16:35	0	0	0	0	0	0	0	[CumVol]=24.34 bbl	
16:35	0	0	0	0	0	0	0	Reset Volume	
16:36	2501E-5	8.538	118.7	.2639	0	0	0		
16:36	0	0	0	0	0	0	0	Shutdown	
16:36	2.2	8.482	98.51	.661	0	0	0		
16:37	0	0	0	0	0	0	0	Start Displacement	
16:37	2.33	8.509	114.6	.1857	0	0	0		
16:38	2.345	4.141	127.3	8237E-9	0	0	0		
16:38	3.718	6.18	170.1	5.355	0	0	0		
16:39	7.556	8.164	188.2	5.769	0	0	0	ORIGINAL	
16:40	11.4	8.161	191.8	5.746	0	0	0		
16:40	15.24	8.173	194.7	5.761	0	0	0		
16:41	19.2	8.203	192.2	5.741	0	0	0		
16:42	23.03	8.151	225.5	5.717	0	0	0		
16:42	26.84	8.117	250.1	5.698	0	0	0		
16:43	30.64	8.109	272.3	5.666	0	0	0		
16:44	34.42	8.1	299.6	5.662	0	0	0		
16:44	38.2	8.134	335.9	5.642	0	0	0		
16:45	41.95	8.087	363.3	5.596	0	0	0		
16:46	45.79	8.05	477.2	5.565	0	0	0		
16:46	49.5	8.035	547	5.547	0	0	0		
16:47	53.2	8.051	631	5.514	0	0	0		
16:48	56.88	8.064	709.3	5.486	0	0	0		
16:48	0	0	0	0	0	0	0	Lower Pump Rate	
16:48	60.42	7.813	712.4	4.223	0	0	0		
16:49	62.11	7.399	682.5	2.077	0	0	0		
16:50	63.48	7.396	708.8	2.023	0	0	0		
16:50	64.82	7.375	723.4	1.984	0	0	0		
16:51	66.13	7.396	740.8	1.948	0	0	0		
16:52	67.43	7.363	753.2	1.92	0	0	0		
16:52	68.68	7.351	767.1	1.855	0	0	0		
16:53	69.92	7.357	780.8	1.842	0	0	0		
16:54	71.05	7.336	1383	.8984	0	0	0		
16:54	0	0	0	0	0	0	0	Bump Top Plug	
16:54	71.1	6.366	1590	2625E-8	0	0	0		
16:55	71.1	6.369	237.5	6673E-13	0	0	0		
16:55	0	0	0	0	0	0	0	Bleed Off Pressure	
16:55	0	0	0	0	0	0	0	End Job	

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.6	0	0	5.8	162	0	0	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to Breakdown	Type	Volume	Density	
770	0	300	0		0 bbl	0 lb/gal	
Avg. N2 Percent		Designed Slurry Volume		Displacement		<input type="checkbox"/> Cement Counted to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To	
0 %		0 bbl		71.6 bbl		0 ft	
Customer or Authorized Representative				Dowell Supervisor			
Jeff Lasiter				Charley King			
				<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	