

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. \_\_\_\_\_

8-26-97 8-29-97 9-24-97

Spud Date Date Reached TD Completion Date

API NO. 15- 189-222120000

County Stevens

     - NW - NW - SW Sec. 30 Twp. 34 Rge. 36 X E

2450 Feet from (S) N (circle one) Line of Section

450 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 Winter #2 Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3098 KB 3107

Total Depth 2978 PBTB 2936

Amount of Surface Pipe Set and Cemented at 719 Feet

Multiple Stage Cementing Collar Used?      Yes X 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, 4-30-98 v.c.  
(Data must be collected from the Reserve Bit)

Chloride content 42,000 ppm Fluid volume 225 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: 12-11-97  
rec'd

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 12-10-97

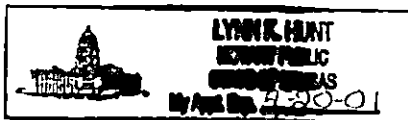
Subscribed and sworn to before me this 10th day of December, 19 97.

Notary Public Lynne K. Hunt

Date Commission Expires February 20, 2001

7-94.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"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)



Operator Name Mobil Oil Corporation Lease Name Winter #2 Unit Well # 4

Sec. 30 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	<input type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum
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:	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#	719	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2968	Class C Class C	225 100	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	2738-48	Acid: 1,000 gals 7.5% HCL	
	2798-2808	Fract: 9,660 gals WF130 in 70q foam	
	2860-70	92,200 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.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
9-22-97				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		362		

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

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

Production Interval: 2738  
2870

# Cementing Service Report

**Schlumberger**  
Dowell

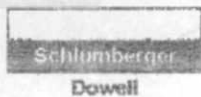
Customer: MOBIL OIL CORP V390500757A  
Job Number: 20013862

Well WINTER #2-4		Location (legal) SEC 30-34S-36W		Dowell Location Ulysses, KS		Service Date 8/12/97					
Field HUGOTON		Formation Name/Type Dirty-Sandstone		Deviation 0 °	Bit Size 12.3 in	Well MD 725 ft	Well TVD 725 ft				
County STEVENS		State/Province KS		BHP 0 psi	BHST 0 °F	BHCT 0 °F	Pore Press. Gradient 0 psi/ft				
Rig Name NORSEMAN 2	Drilled For Gas	Service Via Land		Casing/Liner							
Water Depth	Well Class 101	Well Type Development		Depth, ft 719	Size, in 8.875	Weight, lb/ft 24	Grade k55				
Drilling Fluid Type	Max. Density 0 lb/gal	Plastic Viscosity 0 cp		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0				
Service Line Cementing	Job Type Cem Surface Casing		Tubing/Drill Pipe								
Max. Allowed Tubing Pressure 1500 psi	Max. Allowed Ann. Pressure 1500 psi	Wellhead Connection Single cement head		Perforations/Open Hole							
Service Instructions SAFELY CEMENT 8 5/8 SURFACE CASING PER CUSTOMERS ORDERS.  I.D. JLLASTITE LOC. #62166 FIELD EXT.8786.49				Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0				
				Total Interval 0 ft	Diameter 0 in	Treat Down Casing	Displacement 42.9 bbl	Packer Type	Packer Depth 0 ft		
				Tubing Vol. 0 bbl	Casing Vol. 45.8 bbl	Annular Vol. 0 bbl	Open Hole Vol. 0 bbl				
				Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
				Lift Pressure: psi	Shoe Type: Guide	Shoe Depth: 719 ft		Squeeze Type			
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Stage Tool Type	Tool Type:							
No. Centralizers: 0	Top Plugs: 1	Bottom Plugs: 0	Stage Tool Depth: 0 ft	Tool Depth: 0 ft							
Cement Head Type: Single		Stage Tool Depth: 0 ft	Tail Pipe Size: 0 in								
Job Scheduled For: 8/27/97 3:30	Arrived on Location:	Leave Location:	Collar Type: None	Tail Pipe Depth: 0 ft							
Collar Depth: 675 ft	Sqz Total Vol: 0 bbl										
Time	Cum Vol	Density	Pressure U1	Pump				Message			
24 hr clock	bbbl	ppg	psi	bpm							
6:08	0	0	0	0	0	0	0	START ACQUISITION			
6:08	0	8.379	-4.568	0	0	0	0				
6:09	.2544	8.34	1027	5903E-5	0	0	0				
6:09	0	0	0	0	0	0	0	Pressure Test Lines			
6:09	.2642	8.372	3271	5028E-8	0	0	0				
6:10	.2642	8.365	3.844	2827E-12	0	0	0				
6:10	.9405	8.418	242.3	4.176	0	0	0				
6:11	4.339	8.411	297.8	5.601	0	0	0				
6:12	7.808	8.435	299.3	5.592	0	0	0				
6:12	11.28	8.423	303.6	5.593	0	0	0				
6:13	14.75	8.423	307.3	5.593	0	0	0				
6:13	18.22	8.415	310.1	5.58	0	0	0				
6:14	21.69	8.402	348	5.585	0	0	0				
6:15	25.16	8.313	334.9	5.591	0	0	0				
6:15	0	0	0	0	0	0	0	Start Mixing Lead Slurry			
6:15	0	0	0	0	0	0	0	[CumVol]=26.57 bbl			
6:15	0	0	0	0	0	0	0	Reset Volume			
6:15	1.979	11.45	357.5	5.593	0	0	0				
6:16	5.447	11.58	354.9	5.592	0	0	0				
6:17	8.916	11.33	335.5	5.602	0	0	0				
6:17	12.38	11.25	312	5.592	0	0	0				

Well		Field			Service Date		Customer	Job Number
WINTER ##2-4		HUGOTON			8/12/97		MOBIL OIL CORP V39050075	20013862
Time	CumVol	Density	Pressure U1	Pump				Message
24 hr clock	bbbl	ppg	psf	bpm				
6:18	15.86	11.33	299.1	5.59	0	0	0	
6:18	19.33	11.26	278.9	5.592	0	0	0	
6:19	22.8	11.18	269.6	5.592	0	0	0	
6:20	26.27	11.21	256.4	5.59	0	0	0	ORIGINAL
6:20	29.74	11.43	245.4	5.592	0	0	0	
6:21	33.22	11.51	237.2	5.59	0	0	0	
6:22	36.69	11.57	221.9	5.592	0	0	0	
6:22	40.18	11.54	211.9	5.71	0	0	0	
6:23	43.73	11.51	196.7	5.712	0	0	0	
6:23	47.28	11.57	179.1	5.711	0	0	0	
6:24	50.82	11.57	162.2	5.708	0	0	0	
6:25	54.37	11.57	141.6	5.71	0	0	0	
6:25	57.91	11.56	140.6	5.71	0	0	0	
6:26	61.46	11.53	135.3	5.72	0	0	0	
6:27	65.01	11.5	135.9	5.718	0	0	0	
6:27	68.55	11.47	136.3	5.718	0	0	0	
6:28	72.11	11.4	133	5.711	0	0	0	
6:28	75.65	11.64	138	5.71	0	0	0	
6:29	79.19	11.65	134.3	5.715	0	0	0	
6:30	82.73	11.68	137	5.711	0	0	0	
6:30	86.29	11.46	131.4	5.712	0	0	0	
6:31	89.83	11.43	130.2	5.711	0	0	0	
6:31	93.38	11.42	127	5.707	0	0	0	
6:32	96.92	11.45	125.9	5.716	0	0	0	
6:33	100.5	11.31	124.1	5.718	0	0	0	
6:33	104	11.89	129.9	5.71	0	0	0	
6:34	107.6	11.47	122.3	5.711	0	0	0	
6:35	111.1	11.78	123.5	5.708	0	0	0	
6:35	0	0	0	0	0	0	0	End Lead Slurry
6:35	114.6	11.34	116.5	5.72	0	0	0	
6:35	0	0	0	0	0	0	0	Reset Volume
6:35	0	0	0	0	0	0	0	[CumVol]=115 bbl
6:35	0	0	0	0	0	0	0	Start Mixing Tail Slurry
6:36	3.062	15.56	255.9	5.709	0	0	0	
6:36	6.54	15.5	268.4	5.592	0	0	0	
6:37	10.01	14.85	224.3	5.592	0	0	0	
6:38	13.49	14.91	220.9	5.592	0	0	0	
6:38	16.96	14.67	207.1	5.592	0	0	0	
6:39	20.42	15.04	216.3	5.592	0	0	0	
6:40	23.89	14.95	216.5	5.592	0	0	0	
6:40	0	0	0	0	0	0	0	End Tail Slurry
6:40	0	0	0	0	0	0	0	Drop Top Plug
6:40	0	0	0	0	0	0	0	Start Displacement
6:40	0	13.58	-2732	389E-5	0	0	0	[CumVol]=25.04 bbl
6:40	0	0	0	0	0	0	0	Reset Volume
6:40	0	0	0	0	0	0	0	PAUSE ACQUISITION
6:45	0	0	0	0	0	0	0	RESTART AFTER PAUSE
6:45	1816E-7	8.102	.44	7015E-17	0	0	0	
6:46	.5526	8.219	31.37	2.923	0	0	0	
6:47	3.606	8.339	88.62	5.709	0	0	0	
6:47	7.149	8.332	87.23	5.718	0	0	0	
6:48	10.69	8.325	67.2	5.711	0	0	0	
6:49	14.25	8.359	58.51	5.721	0	0	0	

Well		Field			Service Date		Customer		Job Number	
WINTER ##2-4		HUGOTON			8/12/97		MOBIL OIL CORP V39050075		20013862	
Time	Cum/Vol	Density	Pressure U1	Pump				Message		
24 hr clock	bbbl	ppg	psi	bpm						
6:49	17.79	8.364	61.5	5.711	0	0	0			
6:50	21.33	8.342	67.37	5.71	0	0	0			
6:50	24.87	8.32	66.66	5.711	0	0	0			
6:51	28.43	8.285	71.53	5.709	0	0	0			
6:52	31.97	8.243	86.92	5.708	0	0	0	ORIGINAL		
6:52	35.51	8.248	115.4	5.71	0	0	0			
6:53	39.05	8.253	151.8	5.718	0	0	0			
6:53	42.61	8.273	192.2	5.709	0	0	0			
6:54	46.11	8.271	242.9	5.589	0	0	0			
6:55	49.58	8.157	317.3	5.59	0	0	0			
6:55	53.04	8.198	378.9	5.592	0	0	0			
6:56	56.52	8.094	446.5	5.591	0	0	0			
6:57	59.99	8.109	502.6	5.589	0	0	0			
6:57	63.28	7.9	461.3	3.515	0	0	0			
6:58	64.59	7.542	480.2	1.981	0	0	0			
6:58	65.82	6.891	498.1	1.98	0	0	0			
6:59	67.05	6.674	515.8	1.976	0	0	0			
7:00	68.28	6.573	535	1.969	0	0	0			
7:00	69.5	6.403	550.2	1.978	0	0	0			
7:01	70.73	6.148	575.5	1.977	0	0	0			
7:01	0	0	0	0	0	0	0	Bump Top Plug		
7:02	71.12	.1001	1223	1059E-6	0	0	0			
7:02	71.12	8752E-5	809.9	5955E-11	0	0	0			
7:03	71.12	8048E-5	-5.657	3347E-15	0	0	0			
7:03	71.12	7195E-5	-6.159	1882E-19	0	0	0			
7:04	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		
5.5	0	0	5.5	108	0	0	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
689	689	300	200	0		65 23 bbl	0 lb/gal		
Avg. N2 Percent		Designed Slurry Volume		Displacement		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To 0 ft			
0 %		0 bbl		43 bbl					
Customer or Authorized Representative				Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
JEFF LASITER				DUTTON JEFFREY					



# ORIGINAL Cementing Service Report

<b>Customer</b> MOBIL OIL CORP V390500757A				<b>Job Number</b> 20013867																			
<b>Well</b> WINTER #2-4		<b>Location (Legal)</b> SEC 30-34S-36W		<b>Dowell Location</b> Ulysses, KS		<b>Service Date</b> 8/29/97																	
<b>Field</b> HUGOTON		<b>Formation Name/Type</b> Dolomite		<b>Deviation</b> 0 °	<b>Bit Size</b> 7.88 in	<b>Well MD</b> 2,978 ft	<b>Well TVD</b> 2,978 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> NORSEMAN 2		<b>Drilled Per</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> 2968	<b>Size, in</b> 5.5																
<b>Drilling Fluid Type</b> Bentonite		<b>Max. Density</b> 9.2 lb/gal		<b>Plastic Viscosity</b> 0 cp		<b>Weight, lb/ft</b> 14	<b>Grade</b> H-40																
<b>Service Line</b> Cementing		<b>Job Type</b> Cem Prod Casing		<b>Perforations/Open Hole</b>		<b>Thread</b> 8RD	<b>Thread</b>																
<b>Max. Allowed Tubing Pressure</b> 2500 psi		<b>Max. Allowed Ann. Pressure</b> 2500 psi		<b>Wellhead Connection</b> Single cement head		<b>Depth</b> 0	<b>Size, in</b> 0																
<b>Service Instructions</b> SAFELY DELIVER EQUIPMENT AND CEMENT 5 1/2 PRODUCTION CASING AS CUSTOMERS ORDERS.  I.D.: JLLASITE LOC: 62166 FIELD EXT. \$7246.91				<b>Top, ft</b>		<b>Bottom, ft</b>		<b>spf</b>		<b>No. of Shots</b>		<b>Total Interval</b>											
				0		0		0		0		0		0 ft									
				0		0		0		0		0		Diameter									
				0		0		0		0		0		0 in									
<b>Treat Down</b>		<b>Displacement</b>		<b>Packer Type</b>		<b>Packer Depth</b>																	
Casing		71.4 bbl				0 ft																	
<b>Tubing Vol.</b>		<b>Casing Vol.</b>		<b>Annular Vol.</b>		<b>Open Hole Vol</b>																	
0 bbl		72.4 bbl		94 bbl		92 bbl																	
<b>Casing/Tubing Sealed</b> <input 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> 604 psi				<b>Pipe Reciprocated</b> <input type="checkbox"/>				<b>Shoe Type:</b> Guide				<b>Squeeze Type</b>											
<b>Pipe Rotated</b> <input type="checkbox"/>				<b>Top Plugs:</b> 1				<b>Bottom Plugs:</b> 0				<b>Shoe Depth:</b> 2968 ft				<b>Tool Type:</b>							
<b>No. Centralizers:</b> 0				<b>Cement Head Type:</b> Single				<b>Stage Tool Type</b>				<b>Tool Depth:</b> 0 ft											
<b>Job Scheduled For:</b> 8/29/97 15:00				<b>Arrived on Location:</b> 8/29/97 15:00				<b>Stage Tool Depth:</b> 0 ft				<b>Tail Pipe Size:</b> 0 in											
<b>Leave Location:</b> 8/29/97 18:30				<b>Coiler Type:</b> Other				<b>Coiler Depth:</b> 2926 ft				<b>Tail Pipe Depth:</b> 0 ft											
								<b>Sqz Total Vol:</b> 0 bbl															
<b>Time</b>												<b>Message</b>											
<b>24 hr clock</b>																							
<b>CurVol</b>		<b>Density</b>		<b>Pressure UI</b>		<b>Pump</b>																	
bbl		ppg		psi		bpm																	
17:04		0		0		0		0		0		0		0		0		0		START ACQUISITION			
17:04		1864E-6		8.188		6813E-12		.1118		0		0		0		0		0					
17:04		5551E-5		8.318		6813E-12		.1215		0		0		0		0		0					
17:04		.2088		8.333		15.26		3018E-5		0		0		0		0		0					
17:05		.3614		8.333		2202		887E-7		0		0		0		0		0					
17:05		0		0		0		0		0		0		0		0		0		Pressure Test Lines			
17:05		.3646		8.333		2519		1553E-10		0		0		0		0		0					
17:06		.3648		8.333		1227		3107E-6		0		0		0		0		0					
17:06		.3979		8.333		5.931		.111		0		0		0		0		0					
17:06		.9611		8.261		134.6		3.882		0		0		0		0		0					
17:07		3.016		8.237		192.6		5.659		0		0		0		0		0					
17:07		5.295		8.193		195		5.635		0		0		0		0		0					
17:08		7.509		8.176		194.9		5.445		0		0		0		0		0					
17:08		9.665		8.262		200.9		5.425		0		0		0		0		0					
17:08		11.87		8.272		205.7		5.406		0		0		0		0		0					
17:09		14.06		8.292		211.6		5.399		0		0		0		0		0					
17:09		16.23		8.291		216.3		5.398		0		0		0		0		0					
17:10		18.4		8.294		220.9		5.396		0		0		0		0		0					
17:10		20.57		8.299		225		5.396		0		0		0		0		0					
17:11		22.74		8.275		229.5		5.395		0		0		0		0		0					
17:11		0		0		0		0		0		0		0		0		0		Start Mixing Lead Slurry			

Well			Field			Service Date		Customer		Job Number
WINTER #2-4			HUGOTON			8/29/97		MOBIL OIL CORP V39050075		20013867
Time	CumVol	Density	Pressure 1H	Pump				Message		
24 hr clock	bbbl	ppg	psl	bpm						
17:11	24.92	10.91	230.6	5.393	0	0	0			
17:11	0	0	0	0	0	0	0	[CumVol]=25.19 bbl		
17:11	0	0	0	0	0	0	0	Reset Volume		
17:11	1.8	11.57	244.3	5.365	0	0	0			
17:12	3.967	12.01	239.9	5.349	0	0	0	ORIGINAL		
17:12	6.116	11.46	236.2	5.359	0	0	0			
17:13	8.27	11.54	229	5.347	0	0	0			
17:13	10.42	11.54	222.4	5.345	0	0	0			
17:13	12.57	11.51	217.1	5.343	0	0	0			
17:14	14.72	11.44	207	5.33	0	0	0			
17:14	16.88	11.39	193.8	5.351	0	0	0			
17:15	19.03	11.47	191	5.361	0	0	0			
17:15	21.19	11.51	183	5.361	0	0	0			
17:15	23.34	11.43	175.2	5.35	0	0	0			
17:16	25.5	11.34	166.4	5.355	0	0	0			
17:16	27.66	11.41	160.2	5.362	0	0	0			
17:17	29.82	11.45	152.6	5.369	0	0	0			
17:17	31.99	11.37	144.9	5.382	0	0	0			
17:17	34.15	11.32	138.3	5.378	0	0	0			
17:18	36.32	11.48	133.5	5.387	0	0	0			
17:18	38.46	11.49	127	5.372	0	0	0			
17:19	40.64	11.35	116.6	5.373	0	0	0			
17:19	42.82	11.38	111.3	5.376	0	0	0			
17:19	44.98	11.52	101.9	5.377	0	0	0			
17:20	47.15	11.51	97.35	5.378	0	0	0			
17:20	49.31	11.45	92.44	5.385	0	0	0			
17:21	51.48	11.73	96.5	5.38	0	0	0			
17:21	53.65	11.95	96.75	5.379	0	0	0			
17:21	55.82	11.48	95.19	5.388	0	0	0			
17:22	58	11.18	87.9	5.412	0	0	0			
17:22	60.17	11.51	96.45	5.379	0	0	0			
17:23	62.33	11.46	96.68	5.388	0	0	0			
17:23	64.5	11.53	96.88	5.387	0	0	0			
17:23	66.67	11.92	101.3	5.396	0	0	0			
17:24	68.83	11.68	100.1	5.381	0	0	0			
17:24	71.01	11.55	100.4	5.381	0	0	0			
17:25	73.18	11.44	97.62	5.384	0	0	0			
17:25	75.34	11.57	97.88	5.38	0	0	0			
17:25	77.51	11.28	94.55	5.396	0	0	0			
17:26	79.68	11.43	97.16	5.376	0	0	0			
17:26	81.84	11.2	95.61	5.388	0	0	0			
17:27	84.02	11.39	96.66	5.38	0	0	0			
17:27	86.18	11.45	97.37	5.387	0	0	0			
17:27	88.34	11.51	97.73	5.382	0	0	0			
17:28	90.51	11.52	97.23	5.375	0	0	0			
17:28	92.67	11.4	96.69	5.374	0	0	0			
17:29	94.83	11.5	96.69	5.371	0	0	0			
17:29	97.01	11.29	96.69	5.383	0	0	0			
17:29	99.17	11.55	96.69	5.365	0	0	0			
17:30	101.3	11.6	101.4	5.366	0	0	0			
17:30	103.5	11.5	97.44	5.387	0	0	0			
17:31	105.7	11.17	92.23	5.397	0	0	0			
17:31	0	0	0	0	0	0	0	End Lead Slurry		



Well		Field			Service Date		Customer		Job Number	
WINTER #2-4		HUGOTON			8/29/97		MOBIL OIL CORP V36050076		20013667	
Time	Conc/Vol	Density	Pressure UI	Pump				Message		
24 hr clock	bbbl	ppg	psi	bpm						
17:31	107.6	12.74	40.06	3.754	0	0	0			
17:31	0	0	0	0	0	0	0	[CumVol]=107.6 bbl		
17:31	0	0	0	0	0	0	0	Reset Volume		
17:31	0	0	0	0	0	0	0	Start Mixing Tail Slurry		
17:31	1.361	15.11	72.58	3.656	0	0	0			
17:32	2.829	15.15	82.8	3.642	0	0	0			
17:32	4.3	14.62	73.56	3.654	0	0	0	ORIGINAL		
17:33	5.774	14.8	73.65	3.656	0	0	0			
17:33	7.247	14.85	73.66	3.672	0	0	0			
17:33	8.722	14.96	75.2	3.659	0	0	0			
17:34	10.2	14.83	74.45	3.654	0	0	0			
17:34	11.68	14.92	76.44	3.663	0	0	0			
17:35	13.15	14.75	74.03	3.663	0	0	0			
17:35	14.63	14.84	73.67	3.664	0	0	0			
17:35	18.1	14.67	73.89	3.667	0	0	0			
17:36	17.57	14.75	74.63	3.663	0	0	0			
17:36	19.04	15.26	81.87	3.651	0	0	0			
17:37	20.52	14.86	79.78	3.663	0	0	0			
17:37	22	13.59	59.94	3.558	0	0	0			
Post Job Summary										
Average Pump Rates, bpm				Volume of Fluid Injected, bbl						
Slurry	M2	Seed	Maximum Rate	Total Slurry	Mud	Spacer	M2			
5.5	0	0	5.5	134	0	0	0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
1126	1126	500	1126	0		0 bbl	0 lb/gal			
Avg. M2 Percent		Designed Slurry Volume		Displacement		<input type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed thru Pore To		bbl 0 ft		
0 %		0 bbl		71.4 bbl						
Customer or Authorized Representative				Dowell Supervisor				<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
JEFF LASITER				DUTTON JEFFREY						