

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 PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

7-14-97 7-18-97 8-1-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-221890000

County Stevens

- NW - SE - SE Sec. 28 Twp. 33 Rge. 35 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 Jehle #1 Unit Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2981 KB 2991

Total Depth 3030 PBTD 2972

Amount of Surface Pipe Set and Cemented at 757 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 AM. 1.4-13-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 21,000 ppm Fluid volume 200 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:
11-10-97

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

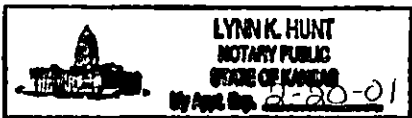
Title Regulatory Assistant Date 11-4-97

Subscribed and sworn to before me this 4th day of November, 19 97.

Notary Public Lynne K. Hunt

Date Commission Expires February 20, 2001
7-77.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)



SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Jehle #1 Unit Well # 2
 Sec. 28 Twp. 33 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Glorietta	1211	1362
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stone Corral	1984	1724
		Chase	2643	2988
		Council Grove	2988	--

List All E.Logs Run:
 Array Induction Gamma Ray-SP
 Compensated Neutron Litho-Density-GR
 Natural Gamma Ray Spectroscopy

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#	757	Class C Class C	220 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	3020	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	2774-84	Acid: 1,000 gals 7.5% HCL	
	2715-35	Fract: 9,912 gals WF130 in 70q foam	
		67,698 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. 8-11-97	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 232	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: 2715 2784



Schlumberger
Dowell

Cementing Service Report

ORIGINAL

15-189-22189

Customer: MOBIL OIL CORP V390500757A
Job Number: 20008434

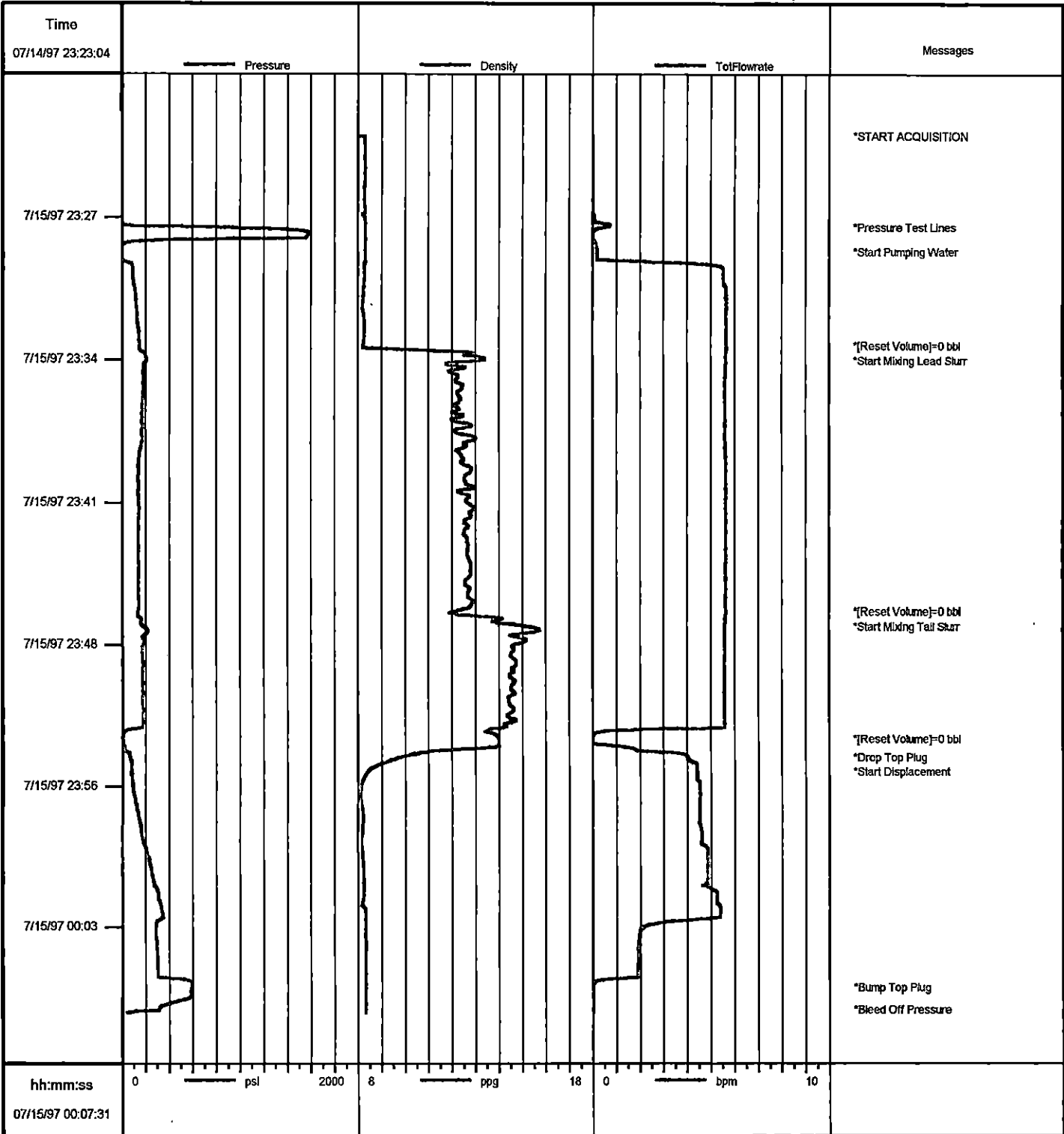
Well Jehle 1-2		Location (legal) Sec. 28-33S-35W		Dowell Location Ulysses, KS		Service Date 7/14/97			
Field Hugoton		Formation Name/Type Shale		Deviation 0 °		Well MD 761 ft			
County Stevens		State/Province Kansas		BHP 0 psi		BHT 70 °F			
Rig Name Norseman #2		Drilled For Gas		Service Via Land		Casing/Liner			
Water Depth		Well Class 101		Well Type Development		Depth, ft			
Drilling Fluid Type Bentonite		Max. Density 9.2 lb/gal		Plastic Viscosity 33 cp		Size, in			
Service Line Cementing		Job Type Cem Surface Casing		Weight, lb/ft		Grade			
Max. Allowed Tubing Pressure 1000 psi		Max. Allowed Ann. Pressure 0 psi		Wellhead Connection Single cement head		Thread			
Service Instructions Safely deliver & perform Surface Cement Job with materials & equipment listed below. Per clients instructions. Acc. Code 4903 Loc. Code 62998 I.D. RDWORLEY		Depth, ft		Weight, lb/ft		Grade			
		Top, ft		Bottom, ft		No. of Shots			
		Total Interval		Diameter		In			
		Treat Down Casing		Displacement 45.5 bbl		Packer Type		Packer Depth 0 ft	
		Tubing Vol. 0 bbl		Casing Vol. 48.2 bbl		Annular Vol. 55.9 bbl		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: 218 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: 757 ft			
Cement Head Type: Single		Job Scheduled For: 7/14/97 22:00		Arrived on Location: 7/14/97 22:00		Leave Location: 7/15/97 0:30			
						Stage Tool Type			
						Stage Tool Depth: 0 ft			
						Collar Type: Other			
						Collar Depth: 714 ft			
						Tail Pipe Size: 0 in			
						Tail Pipe Depth: 0 ft			
						Sqz Total Vol: 0 bbl			
Time	CumVol	Density	Pressure	Rosol Volume	TotFlowrate	Message			
24 hr clock	bbl	ppg	psi	bbl	bpm				
23:23	0	0	0	0	0	START ACQUISITION			
23:23	0	-6.25	-3796	0	0				
23:23	0	8.295	-4.59	0	0				
23:24	0	8.293	-4.59	0	0				
23:24	0	8.292	-4.59	0	0				
23:25	0	8.294	-4.59	0	0				
23:25	0	8.275	-4.59	0	0				
23:26	0	8.273	-4.591	0	0				
23:26	0	8.272	-4.59	0	0				
23:27	7712E-6	8.252	-4.472	7712E-6	8016E-5				
23:27	.1633	8.305	95.26	.1633	.6806				
23:27	0	0	0	0	0	Pressure Test Lines			
23:28	.2128	8.307	1564	.2128	3822E-7				
23:28	.2448	8.306	-2.539	.2448	.1276				
23:28	0	0	0	0	0	Start Pumping Water			
23:29	.3305	8.309	-4.588	.3305	.177				
23:29	1.639	8.253	88.44	1.639	5.416				
23:30	4.436	8.261	91.8	4.436	.5534				
23:30	7.232	8.239	104.5	7.232	5.618				
23:31	10.07	8.212	113.8	10.07	5.639				
23:31	12.93	8.164	119.3	12.93	5.655				

Well		Fluid				Service Date		Customer		Job Number	
Jehle #1-2		Hugoton				7/14/97		MOBIL OIL CORP V39050075		20008434	
Time	CumVol	Density	Pressure	Reset Volume	TotFlowrate			Message			
24 hr clock	bbbl	ppg	psi	bbbl	bpm						
23:32	15.77	8.239	128.2	15.77	5.64	0	0				
23:32	18.61	8.266	135.5	18.61	5.648	0	0				
23:33	21.45	8.266	142.3	21.45	5.648	0	0				
23:33	0	0	0	0	0	0	0	[Reset Volume]=0 bbl			
23:33	24.29	8.186	146.9	9474E-5	5.651	0	0				
23:33	0	0	0	0	0	0	0	Start Mixing Lead Slurry			
23:34	27.13	12.89	195	2.934	5.645	0	0				
23:34	29.97	12.34	180.2	5.778	5.619	0	0				
23:35	32.79	12.25	182.6	8.601	5.6	0	0				
23:35	35.61	12.41	184.4	11.41	5.589	0	0				
23:36	38.42	12.29	179.4	14.22	5.588	0	0				
23:36	41.24	12.11	173.7	17.05	5.59	0	0				
23:37	44.05	12.42	177.4	19.86	5.59	0	0				
23:37	46.86	12.76	180	22.67	5.589	0	0				
23:38	49.68	12.87	171	25.48	5.589	0	0				
23:38	52.49	12.6	162.5	28.3	5.599	0	0				
23:39	55.32	12.4	146.6	31.13	5.625	0	0				
23:39	58.16	12.69	137.1	33.96	5.63	0	0				
23:40	60.99	12.53	136.3	36.8	5.643	0	0				
23:40	63.83	12.82	139.2	39.63	5.629	0	0				
23:41	66.66	12.74	139.6	42.47	5.641	0	0				
23:41	69.51	12.87	141.6	45.31	5.636	0	0				
23:42	72.34	12.81	142	48.15	5.64	0	0				
23:42	75.18	12.67	140.4	50.98	5.641	0	0				
23:43	78.01	12.55	137.7	53.82	5.635	0	0				
23:43	80.85	12.68	139.7	56.66	5.631	0	0				
23:44	83.69	12.68	139.5	59.5	5.63	0	0				
23:44	86.53	12.81	142.8	62.33	5.635	0	0				
23:45	89.36	12.76	140.1	65.16	5.627	0	0				
23:45	92.19	12.59	137.7	68	5.629	0	0				
23:46	95.02	12.66	138.5	70.83	5.632	0	0				
23:46	97.86	12.82	143.2	73.67	5.621	0	0				
23:47	0	0	0	0	0	0	0	[Reset Volume]=0 bbl			
23:47	0	0	0	0	0	0	0	Start Mixing Tail Slurry			
23:47	100.7	12.43	131.6	.8511	5.641	0	0				
23:47	103.5	14.73	168.3	3.671	5.592	0	0				
23:48	106.3	14.47	188.4	6.48	5.598	0	0				
23:48	109.1	14.63	181.6	9.304	5.603	0	0				
23:49	112	14.51	173.2	12.12	5.592	0	0				
23:49	114.8	14.73	179.9	14.93	5.574	0	0				
23:50	117.6	14.47	175.9	17.73	5.589	0	0				
23:50	120.4	14.59	176.8	20.54	5.583	0	0				
23:51	123.2	14.62	181.8	23.36	5.583	0	0				
23:51	126	14.46	174.4	26.16	5.574	0	0				
23:52	128.8	14.4	180.1	28.97	5.582	0	0				
23:52	131.6	14.23	178.9	31.77	5.587	0	0				
23:53	133.1	13.79	10.64	33.24	5809E-5	0	0				
23:53	0	0	0	0	0	0	0	[Reset Volume]=0 bbl			
23:53	133.1	14.03	8.723	2624E-8	2079E-8	0	0				
23:53	0	0	0	0	0	0	0	Drop Top Plug			
23:54	0	0	0	0	0	0	0	Start Displacement			
23:54	134	10.49	60.43	.9122	3.745	0	0				
23:54	136.1	9.029	84.22	2.964	4.38	0	0				

Well		Field				Service Date		Customer		Job Number			
Jehle #1-2		Hugoton				7/14/97		MOBIL OIL CORP V39050075		20008434			
Time	CumVol	Density	Pressure	Reset Volume	Total Flowrate	Message							
24 hr clock	bbl	PPG	psi	bbl	bpm	ORIGINAL							
23:55	138.3	8.353	82.6	5.184	4.411							0	0
23:55	140.5	8.157	89.37	7.416	4.528							0	0
23:56	142.8	8.093	102.8	9.702	4.522							0	0
23:56	145.1	8.134	118.1	11.98	4.523							0	0
23:57	147.3	8.205	134	14.25	4.517							0	0
23:57	149.6	8.203	153.3	16.52	4.52							0	0
23:58	151.9	8.174	165.6	18.81	4.612							0	0
23:58	154.2	8.147	183.6	21.14	4.597							0	0
23:59	156.6	8.166	209.6	23.53	4.866							0	0
23:59	159.1	8.201	234.2	25.98	4.853							0	0
0:00	161.5	8.231	250.7	28.42	4.879							0	0
0:00	164	8.237	269.6	30.87	4.856							0	0
0:01	166.4	8.233	303	33.35	5.196							0	0
0:01	169.1	8.174	318.4	35.99	5.251							0	0
0:02	171.8	8.3	336.6	38.68	5.377							0	0
0:02	174.3	8.309	301	41.21	3.496							0	0
0:03	175.5	8.315	287.6	42.39	2							0	0
0:03	176.5	8.317	292.8	43.38	1.948							0	0
0:04	177.4	8.317	297.6	44.35	1.918							0	0
0:04	178.4	8.317	301.8	45.31	1.902	0	0						
0:05	179.4	8.317	302.9	46.26	1.882	0	0						
0:05	180	8.315	582.8	46.92	7159E-5	0	0						
0:06	0	0	0	0	0	0	0	Bump Top Plug					
0:06	180	8.316	584.6	46.92	2563E-8	0	0						
0:06	180	8.313	446.8	46.92	9177E-12	0	0						
0:07	0	0	0	0	0	0	0	Bleed Off Pressure					
0:07	180	8.316	67.52	46.92	3285E-15	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		106.5	0	0	0		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
560	560	200	0	0		0 bbl	0 lb/gal			
Avg. N2 Percent		Designed Slurry Volume		Displacement		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume <u>222</u> bbl <input type="checkbox"/> Washed Thru Ports To 0 ft <u>653</u> ks				
0 %		0 bbl		45.5 bbl						
Customer or Authorized Representative				Dowell Supervisor				<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed
Mr. Russell Worley				BRAWLEY DAVID						

Well	Jehle #1-2	Client	Mobil E&P US Inc
Field	Hugoton	SIR No.	20008434
Country	USA	Job Date	7/14/97 11:23:04 PM



Job: mobs8434

07/15/1997 00:09

* Mark of Schlumberger

Well		Field			Service Date		Customer		Job Number	
JEHLE #1-2		Hugoton			7/15/97		IOBIL OIL CORP V39050075		20008570	
Time	CumVol	Density	Pressure U1	TotalFlowrate					Message	
24 hr clock	bbbl	ppg	psi	bpm						
16:25	25.77	11.45	152.7	5.449	0	0	0			
16:26	29.97	11.6	133.7	5.453	0	0	0			
16:27	34.16	11.56	115.5	5.462	0	0	0			
16:28	38.37	11.46	103.3	5.467	0	0	0			
16:28	42.57	11.44	103.9	5.46	0	0	0			
16:29	46.76	11.44	101.9	5.45	0	0	0			
16:30	50.86	11.75	109.6	5.443	0	0	0			
16:31	55.05	11.88	113.2	5.437	0	0	0			
16:32	59.23	11.85	111.9	5.444	0	0	0			
16:32	63.42	11.37	102.8	5.457	0	0	0			
16:33	67.62	11.39	105.9	5.466	0	0	0			
16:34	71.81	11.35	102	5.458	0	0	0			
16:35	76	11.66	110.4	5.45	0	0	0			
16:35	80.11	11.43	106	5.453	0	0	0			
16:36	84.3	11.38	105.7	5.452	0	0	0			
16:37	88.49	11.64	105.6	5.434	0	0	0			
16:38	92.67	11.23	105.2	5.452	0	0	0			
16:38	96.86	11.54	108.6	5.445	0	0	0			
16:39	101	11.26	102.7	5.463	0	0	0			
16:40	0	0	0	0	0	0	0		[CumVol]=103.5 bbl	
16:40	0	0	0	0	0	0	0		Reset Volume	
16:40	0	0	0	0	0	0	0		Start Mixing Tail Slurry	
16:40	.5126	8.456	18.4	3.827	0	0	0			
16:41	3.087	13.75	17.39	2.404	0	0	0			
16:42	5.389	15.02	83.83	3.695	0	0	0			
16:42	8.239	14.7	82.19	3.713	0	0	0			
16:43	11.09	14.73	81.68	3.712	0	0	0			
16:44	13.94	15.1	91.48	3.703	0	0	0			
16:45	16.78	15.07	90.83	3.696	0	0	0			
16:45	19.62	14.99	87.58	3.699	0	0	0			
16:46	22.41	14.96	90.61	3.7	0	0	0			
16:50	24.74	8.327	-27.58	8081E-6	0	0	0			
16:50	0	0	0	0	0	0	0		Reset Volume	
16:50	0	0	0	0	0	0	0		Drop Top Plug	
16:50	0	0	0	0	0	0	0		Start Displacement	
16:50	27.18	8.632	56	5.8	0	0	0			
16:51	31.64	8.413	53.37	5.803	0	0	0			
16:52	.3856	8.141	56.7	5.779	0	0	0			
16:53	15.97	8.046	59.67	5.787	0	0	0			
16:54	20.41	8.026	56.13	5.763	0	0	0			
16:54	24.83	8.058	54.74	5.762	0	0	0			
16:55	29.26	8.118	55.06	5.757	0	0	0			
16:56	33.82	8.137	113.1	5.712	0	0	0			
16:57	38.16	8.152	158.4	5.705	0	0	0			
16:57	42.54	8.149	196.7	5.67	0	0	0			
16:58	46.89	8.11	240.7	5.669	0	0	0			
16:59	51.23	8.112	300.6	5.624	0	0	0			
17:00	55.55	8.146	387.6	5.62	0	0	0			
17:00	0	0	0	0	0	0	0		Psi. check	
17:00	0	0	0	0	0	0	0		Lower Pump Rate	
17:00	59.05	7.255	347	2.341	0	0	0			
17:01	60.58	7.102	377.4	1.919	0	0	0			
17:02	62.01	7.017	412	1.799	0	0	0			

Well		Field			Service Date		Customer		Job Number	
JEHLE #1-2		Hugoton			7/15/97		MOBIL OIL CORP V39050075		20008570	
Time	CumVol	Density	Pressure U1	TotFlowrate				Message		
24 hr clock	bbl	ppg	psi	bpm						
17:03	63.58	7.018	461.5	2.093	0	0	0			
17:04	65.16	6.929	483.3	2.019	0	0	0			
17:04	66.69	6.83	506	1.961	0	0	0			
17:05	68.17	6.597	528.7	1.905	0	0	0			
17:06	69.62	6.169	548.2	1.852	0	0	0			
17:07	71	5.584	566.5	1.817	0	0	0			
17:07	72.35	4.937	595.3	1.766	0	0	0			
17:08	73.41	2.377	1368	.1365	0	0	0			
17:08	0	0	0	0	0	0	0	Bump Top Plug		
17:09	0	0	0	0	0	0	0	Bleed Off Pressure		
17:09	73.42	6295E-5	1217	9238E-10	0	0	0			
17:10	73.42	6105E-5	-10.83	6258E-15	0	0	0			
Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
130	0	0	5.7 0	130	0	33	0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
1370	0	0	1370	0		0 bbl	0 lb/gal			
Avg. N2 Percent	Designed Slurry Volume		Displacement		<input type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To 0 ft					
0 %	137 bbl		0 bbl							
Customer or Authorized Representative				Dowell Supervisor				<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Russell Worley				PEARSON REX						