

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. _____

9-12-97 9-15-97 10-16-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-222240000

County Stevens

NE - SW - SW Sec. 6 Twp. 33 Rge. 36 X E W

1250 Feet from S (circle one) Line of Section

1250 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name WRD #4 Unit Well # 5

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3061 KB 3068

Total Depth 2914 PBTB 2870

Amount of Surface Pipe Set and Cemented at 604 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 A.H. 1, 4-22-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume 250 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 10-18-97

Subscribed and sworn to before me this 18th day of December 1997

Notary Public Lynne K. Hunt

Date Commission Expires February 20, 2001
7-101.kcc

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 SWD/Rep NGPA
 Plug Other
(Specify)



Operator Name Mobil Oil Corporation Lease Name WRD #4 Unit Well # 5
 Sec. 6 Twp. 33 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 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:
 NO LOGS RUN

Log Formation (Top), Depth and Datums Sample
 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#	604	Class C Class C	200 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2904	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	2650-58	Acid: 1,000 gals 7.5% HCL	
	2720-28	Fract: 11,500 gals WF130 in 70q foam	
	2770-80	110,000 lbs 16/30 sand	
	2812-20		

TUBING RECORD Size Set At Packer At Liner Run Yes No

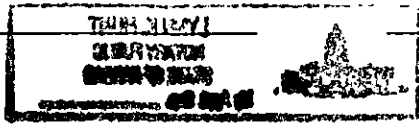
Date of First, Resumed Production, SWD or Inj. 9-29-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 183 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 2650

Production Interval Other (Specify) 2820



15-189-22224

Schlumberger
Dowell

ORIGINAL

Cementing Service Report

Customer: MOBIL OIL CORP V390500757A Job Number: 20018203

Well WRD 4		Location (Legal) 6, 33S, 36W		Dowell Location Ulysses, KS		Service Date 9/8/97					
Field HUGOTON		Formation Name/Type Dolomite		Deviation 0 °		Bit Size 7.88 in	Well MD 2,914 ft	Well TVD 2,914 ft			
County Stevens		State/Province KS		BHP 0 psi	BHST 0 °F	BHCT 0 °F	Pore Press. Gradient 0 psi/ft				
Rig Name NORSEMAN 4	Drilled For Gas	Service Via Land		Casing/Liner							
Water Depth	Well Class 101	Well Type Development		Depth, ft 2904	Size, in 5.5	Weight, lb/ft 14	Grade H40	Thread 8RD			
Drilling Fluid Type Bentonite	Max. Density 9.2 lb/gal	Plastic Viscosity 0 cp		Tubing/Drill Pipe							
Service Line Cementing	Job Type Cem Prod Casing		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0	Thread 0				
Max. Allowed Tubing Pressure 3000 psi	Max. Allowed Ann. Pressure 3000 psi	Wellhead Connection Single cement head		Perforations/Open Hole							
Service Instructions SAFELY EQUIPMENT TO CEMENT 5 1/2 PRODUCTION CASING AS CUSTOMERS REQUEST. I.D. MTHARVEY LOC. 63207 ACC CODE 4903 FIELD EXT. \$6969.18				Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0	Total Interval 0 ft			
				Diameter 0 in	Treat Down Casing	Displacement 70 bbl	Packer Type	Packer Depth 0 ft			
				Tubing Vol. 0 bbl	Casing Vol. 70.8 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: 545 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide	Squeeze Type		
No. Centralizers: 0	Top Plugs: 1	Bottom Plugs: 0		Shoe Depth: 2904 ft	Tool Type:						
Cement Head Type: Single				Stage Tool Type	Tool Depth: 0 ft						
Job Scheduled For: 9/15/97 2:00	Arrived on Location: 9/15/97 2:00		Leave Location: 9/15/97 6:00		Stage Tool Depth: 0 ft	Tall Pipe Size: 0 in					
				Collar Type: Auto-Fill	Tall Pipe Depth: 0 ft						
				Collar Depth: 2863 ft	Sqz Total Vol: 0 bbl						
Time 24 hr clock	Density ppg	Pressure U1 psi	Pump bpm	Rezero bbl	Message						
5:31	-6.25	-3750	0	0	0	0	0	START ACQUISITION			
5:32	8.333	6.793	0	.2389	0	0	0				
5:33	8.334	1809	0	.6924	0	0	0				
5:33	0	0	0	0	0	0	0	Pressure Test Lines			
5:33	8.333	1708	0	.6936	0	0	0				
5:34	8.333	9.988	0	.6936	0	0	0				
5:34	8.316	12.72	.7052	.7151	0	0	0				
5:35	8.283	257.4	5.742	3.213	0	0	0				
5:35	8.239	264.6	5.73	6.486	0	0	0				
5:36	8.278	274.3	5.686	9.737	0	0	0				
5:37	8.291	281.9	5.68	12.96	0	0	0				
5:37	8.289	292.2	5.708	16.22	0	0	0				
5:38	8.291	297.6	5.681	19.48	0	0	0				
5:38	8.282	308.8	5.7	22.7	0	0	0				
5:39	0	0	0	0	0	0	0	Reset Volume			
5:39	0	0	0	0	0	0	0	[CumVol]=24.62 bbl			
5:39	0	0	0	0	0	0	0	(Start Mixing Lead Slurry			
5:39	11.88	349.7	5.685	25.95	0	0	0				
5:39	11.65	336.2	5.678	29.2	0	0	0				
5:40	11.66	317.8	5.66	32.43	0	0	0				
5:41	11.55	304.9	5.718	35.69	0	0	0				

Well		Field				Service Date		Customer	Job Number
WRD #4		HUGOTON				9/8/97		MOBIL OIL CORP V39050075	20016203
Time	Density	Pressure Ut	Pump	Rezero				Message	
24 hr clock	ppg	psi	bpm	bbl					
5:41	11.45	290	5.687	38.94	0	0	0		
5:42	11.37	272.9	5.635	42.16	0	0	0		
5:42	11.62	270.2	5.699	45.4	0	0	0		
5:43	11.34	256.8	5.684	48.66	0	0	0		
5:43	11.3	246.1	5.628	51.88	0	0	0		
5:44	11.56	245.5	5.684	55.11	0	0	0		
5:45	11.29	227.2	5.677	58.35	0	0	0		
5:45	11.81	215.3	5.627	61.59	0	0	0		
5:46	11.59	197.2	5.685	64.81	0	0	0		
5:46	11.4	180.9	5.677	68.05	0	0	0		
5:47	11.57	166.6	5.629	71.28	0	0	0		
5:47	11.59	154.6	5.68	74.51	0	0	0		
5:48	11.44	136	5.677	77.75	0	0	0		
5:49	11.45	134.6	5.641	80.98	0	0	0		
5:49	11.5	138.2	5.673	84.19	0	0	0		
5:50	11.55	138.8	5.681	87.43	0	0	0		
5:50	11.57	138.5	5.657	90.67	0	0	0		
5:51	11.54	139.3	5.669	93.89	0	0	0		
5:51	11.51	137.3	5.69	97.14	0	0	0		
5:52	11.51	134.4	5.67	100.4	0	0	0		
5:53	11.46	133.5	5.649	103.6	0	0	0		
5:53	11.51	139.8	5.701	106.8	0	0	0		
5:54	11.5	137.3	5.687	110.1	0	0	0		
5:54	12.14	145.8	5.642	113.3	0	0	0		
5:55	11.57	140.2	5.7	116.6	0	0	0		
5:55	11.76	140.5	5.682	119.8	0	0	0		
5:56	11.5	136.4	5.663	123.1	0	0	0		
5:57	11.73	140.8	5.677	126.3	0	0	0		
5:57	12.38	140.5	5.671	129.5	0	0	0		
5:57	0	0	0	0	0	0	0	End Lead Slurry	
5:57	0	0	0	0	0	0	0	Reset Volume	
5:57	0	0	0	0	0	0	0	[CumVol]=105.6 bbl	
5:57	0	0	0	0	0	0	0	Start Mixing Tail Slurry	
5:58	14.78	210.3	5.62	132.7	0	0	0		
5:58	14.7	217.7	5.672	136	0	0	0		
5:59	14.64	109.9	3.887	138.4	0	0	0		
5:59	15.25	233.1	5.611	141.2	0	0	0		
6:00	14.8	201.1	5.656	144.4	0	0	0		
6:01	15	217	5.645	147.6	0	0	0		
6:01	14.97	210.5	5.615	150.9	0	0	0		
6:02	0	0	0	0	0	0	0	End Tail Slurry	
6:02	0	0	0	0	0	0	0	Drop Top Plug	
6:02	13.05	14.66	.3668	153.2	0	0	0		
6:02	0	0	0	0	0	0	0	Start Displacement	
6:02	0	0	0	0	0	0	0	PAUSE ACQUISITION	
6:06	0	0	0	0	0	0	0	RESTART AFTER PAUSE	
6:06	9.374			153.2	0	0	0		
6:07	0	0	0	0	0	0	0	[CumVol]=23 bbl	
6:07	0	0	0	0	0	0	0	Reset Volume	
6:07	9.481	73.83	4.568	154.4	0	0	0		
6:07	9.494	105.3	5.715	157.6	0	0	0		
6:08	9.577	105.4	5.76	160.8	0	0	0		
6:09	9.494	104.9	5.741	164.2	0	0	0		

ORIGINAL

02
 [CumVol]=23 bbl
 Reset Volume

RECEIVED
 KANSAS CORP COM

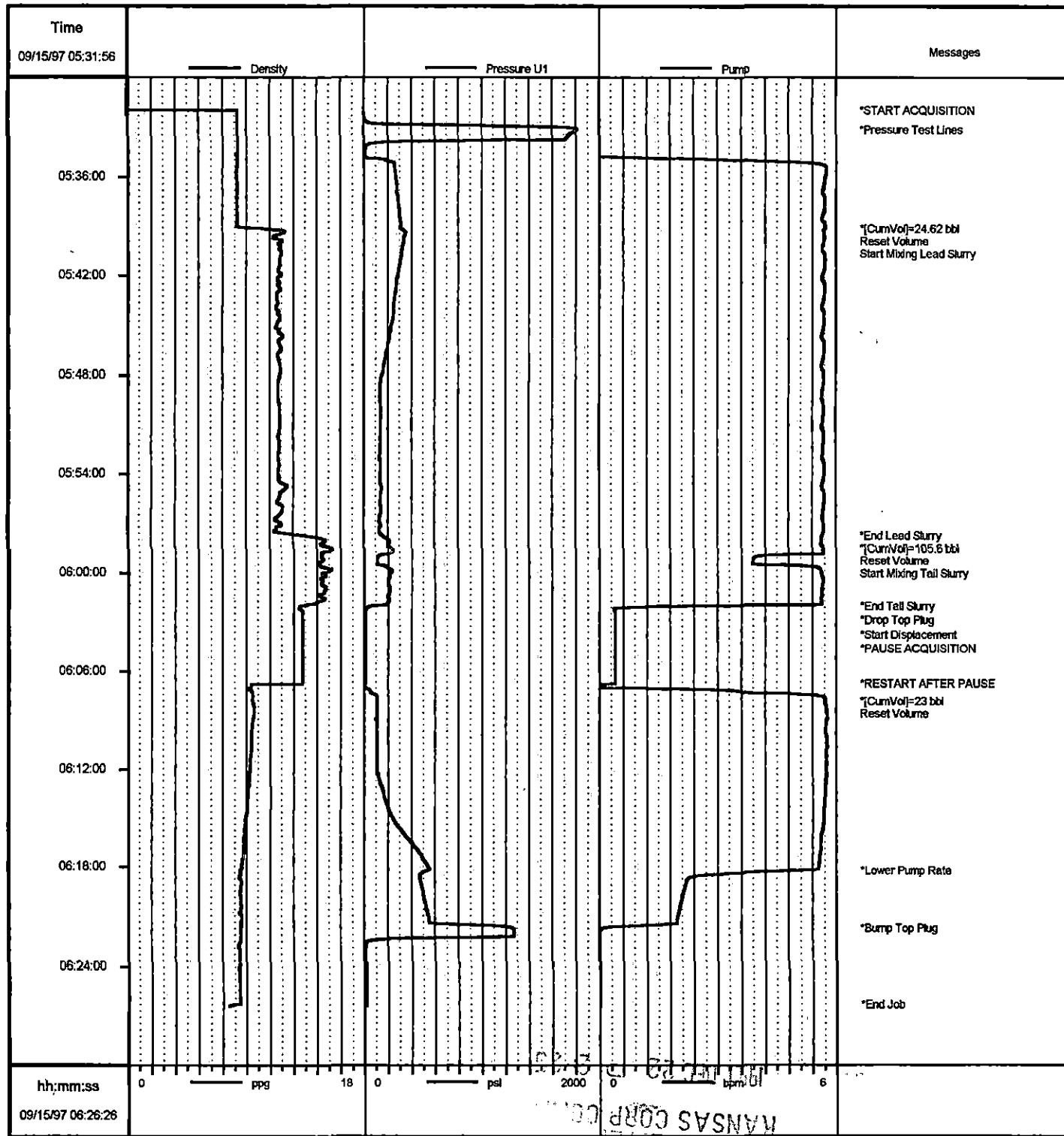
Well		Field			Service Date		Customer		Job Number	
WRD #4		HUGOTON			9/8/97		MOBIL OIL CORP V39050075		20018203	
Time	Density	Pressure U1	Pump	Rezero				Message		
24 hr clock	ppg	psi	bpm	bbl						
6:09	9.401	105.3	5.727	167.5	0	0	0			
6:10	9.397	105.3	5.76	170.7	0	0	0			
6:10	9.384	105.3	5.757	174	0	0	0			
6:11	9.281	105.3	5.737	177.3	0	0	0			
6:11	9.242	105.1	5.742	180.6	0	0	0	ORIGINAL		
6:12	9.175	121.3	5.735	183.8	0	0	0			
6:13	9.19	148.2	5.726	187.1	0	0	0			
6:13	9.134	166.3	5.709	190.4	0	0	0			
6:14	9.102	193.9	5.699	193.6	0	0	0			
6:14	8.978	225.8	5.679	196.9	0	0	0			
6:15	8.903	272.7	5.66	200.1	0	0	0			
6:15	8.88	333	5.623	203.3	0	0	0			
6:16	8.813	397.9	5.597	206.5	0	0	0			
6:17	8.783	459.8	5.583	209.7	0	0	0			
6:17	8.681	506.1	5.568	212.9	0	0	0			
6:18	8.549	533.4	5.126	216	0	0	0			
6:18	0	0	0	0	0	0	0	Lower Pump Rate		
6:18	8.56	471.7	2.212	217.8	0	0	0			
6:19	8.581	491.5	2.157	219	0	0	0			
6:19	8.56	503.2	2.084	220.2	0	0	0			
6:20	8.6	520	2.034	221.4	0	0	0			
6:21	8.63	540.8	1.987	222.6	0	0	0			
6:21	8.626	1182	4.649	223.6	0	0	0			
6:21	0	0	0	0	0	0	0	Bump Top Plug		
6:22	8.559	1270		223.6	0	0	0			
6:22	8.373	14		223.6	0	0	0			
6:23	8.506	13.72		223.6	0	0	0			
6:23	8.461	13.26		223.6	0	0	0			
6:24	8.456	11.8		223.6	0	0	0			
6:25	8.458	13.69		223.6	0	0	0			
6:25	8.448	13.72		223.6	0	0	0			
6:26	8.504	13.74		223.6	0	0	0			
6:26	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	0	0	5.5	128	0	0	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
1274	1274	300	1274	0		0 bbl	0 lb/gal
Avg. N2 Percent		Designed Slurry Volume		Displacement		Cement Circulated to Surface? Volume	
0 %		0 bbl		69.8 bbl		<input type="checkbox"/> To 0 ft	
Customer or Authorized Representative				Dowell Supervisor			
Marvin Harvey				Jeffrey Dutton			
				<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

RECEIVED
 KANSAS CORP CORP
 25 DEC 22 PM 2:25

Well	WRD #4-5	Client	MOBIL
Field	HUGOTON ORIGINAL	SIR No.	20018203
Country	USA	Job Date	9/15/97 5:31:56 AM



Job: mobil182

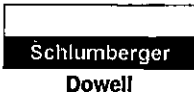
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* Mark of Schlumberger

RECEIVED
KANSAS CORP



Cementing Service Report

ORIGINAL

Customer	Job Number
MOBIL OIL CORP V390500757A	20018202

Well WRD 4		Location (legal) 6, 33S, 36W		Dowell Location Ulysses, KS		Service Date 9/12/97	
Field HUGOTON		Formation Name/Type Dirty-Sandstone		Deviation 0 °	BT Size 12.3 in	Well MD 611 ft	Well TVD 611 ft
County Stevens		State/Province KS		BHP 0 psi	BHST 0 °F	BHCT 0 °F	Pore Press. Gradient 0 psi/ft
Rlg Name	Drilled For Gas	Service Via Land		Casing/Liner			
Water Depth	Well Class 101	Well Type Development		Depth, ft	Size, in	Weight, lb/ft	Grade K55
Drilling Fluid Type Bentonite	Max. Density 9.2 lb/gal	Plastic Viscosity 0 cp		Depth,	Size, in	Weight, lb/ft	Grade K55
Service Line Cementing	Job Type Cem Surface Casing		WellHead Connection Single cement head	Depth,	Size, in	Weight, lb/ft	Grade K55
Max. Allowed Tubing Pressure 0 psi	Max. Allowed Ann. Pressure 0 psi	WellHead Connection Single cement head		Perforations/Open Hole			
Service Instructions SAFELY EQUIPMENT 8 5/8 SUFING CASING AS PER CUSTMERS REQUEST I.D. MTHARVEY LOC.63207 FIELD EXT. \$4691.38				Top, ft	Bottom, ft	spf	No. of Shots
				0	0	0	0
				0	0	0	0
				0	0	0	0
				Troat Down Casing	Displacement 35.7 bbl	Packer Type	Packer Depth 0 ft
Tubing Vol. 0 bbl	Casing Vol. 37.5 bbl	Annular Vol. 43 bbl	OpenHole 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: 156 psi		Pipe Rotated <input type="checkbox"/>		Pipe Recirculated <input type="checkbox"/>		Shoe Type: Guide	
No. Centralizers: 0		Top Plugs: 1	Bottom Plugs: 0	Shoe Depth: 590 ft		Squeeze Type	
Cement Head Type: Single		Job Scheduled For: 9/12/97 22:30		Arrived on Location: 9/12/97 23:00		Leave Location: 9/12/97	
Cement Head Type: Single		Stage Tool Type		Stage Tool Depth: 0 ft		Tool Type: 0 ft	
Job Scheduled For: 9/12/97 22:30		Arrived on Location: 9/12/97 23:00		Leave Location: 9/12/97		Collar Type: Other	
Job Scheduled For: 9/12/97 22:30		Arrived on Location: 9/12/97 23:00		Leave Location: 9/12/97		Collar Depth: 561 ft	
Job Scheduled For: 9/12/97 22:30		Arrived on Location: 9/12/97 23:00		Leave Location: 9/12/97		Tail Pipe Size: 0 in	
Job Scheduled For: 9/12/97 22:30		Arrived on Location: 9/12/97 23:00		Leave Location: 9/12/97		Tail Pipe Depth: 0 ft	
Job Scheduled For: 9/12/97 22:30		Arrived on Location: 9/12/97 23:00		Leave Location: 9/12/97		Sqz Total Vol: 0 bbl	
Time	CumVol	Density	Pressure U1	Pump	Message		
24 hr clock	bbl	ppg	psi	bpm			
0:21	0	0	0	0	START ACQUISITION		
0:21	0	-6.25	-3756	0			
0:22	.1489	8.333	6.318	0			
0:22	.4373	8.333	1844	0			
0:22	0	0	0	0	Pressure Test Lines		
0:23	.4416	8.333	1818	0			
0:23	.4416	8.333	1692	0			
0:24	.4416	8.333	1569	0			
0:24	.4416	8.333	-2.38	0			
0:25	.4416	8.333	-3737	0			
0:25	.4416	8.333		0			
0:26	1.135	8.302	72.93	4.399			
0:26	3.921	8.296	105.3	5.671			
0:27	6.774	8.287	109.7	5.685			
0:27	9.63	8.248	114	5.68			
0:28	12.48	8.21	114.4	5.65			
0:28	15.31	8.213	117.7	5.608			
0:29	18.13	8.253	119.1	5.57			
0:29	20.93	8.243	121.4	5.563			
0:30	23.73	8.23	123.7	5.555			
0:30	0	0	0	0	[CumVol]=25.68 bbl		

Well		Field			Service Date		Customer		Job Number	
WRD #4		HUGOTON			9/12/97		MOBIL OIL CORP V39050075		20018202	
Time	CumVol	Density	Pressure UI	Pump					Message	
24 hr clock	bbf	ppg	psi	bpm						
0:30	0	0	0	0	0	0	0	0	Reset Volume	
0:30	.7428	12.04	152.1	5.536	0	0	0	0	Start Mixing Lead Slurry	
0:31	3.532	12.35	162.3	5.525	0	0	0	0		
0:31	5.661	13.07	109.1	3.8	0	0	0	0		
0:32	8.078	12.65	153.1	5.501	0	0	0	0		
0:32	10.85	12.83	151.1	5.51	0	0	0	0		
0:33	13.62	12.75	142.4	5.509	0	0	0	0	ORIGINAL	
0:33	16.4	12.81	143.3	5.508	0	0	0	0		
0:34	19.17	12.54	140	5.525	0	0	0	0		
0:34	21.94	12.81	148.4	5.513	0	0	0	0		
0:35	24.71	13.42	159.7	5.491	0	0	0	0		
0:35	27.48	14.04	166.7	5.47	0	0	0	0		
0:36	30.26	11.79	129.3	5.51	0	0	0	0		
0:36	32.65	12.7	80.5	3.797	0	0	0	0		
0:37	34.7	13.13	150.1	5.303	0	0	0	0		
0:37	37.45	12.6	140.2	5.48	0	0	0	0		
0:38	40.2	12.98	146.6	5.474	0	0	0	0		
0:38	42.96	12.92	147.2	5.47	0	0	0	0		
0:39	45.72	12.83	146.4	5.478	0	0	0	0		
0:39	48.47	12.75	144.8	5.487	0	0	0	0		
0:40	51.23	12.69	146.1	5.481	0	0	0	0		
0:40	53.99	12.71	149.2	5.483	0	0	0	0		
0:41	56.76	12.97	153.2	5.478	0	0	0	0		
0:41	59.51	12.73	149.8	5.48	0	0	0	0		
0:42	62.27	12.54	147.1	5.503	0	0	0	0		
0:42	65.03	12.94	155.3	5.485	0	0	0	0		
0:43	67.79	12.76	151.6	5.484	0	0	0	0		
0:43	70.56	12.7	153.7	5.484	0	0	0	0		
0:44	73.32	12.5	154.6	5.494	0	0	0	0		
0:44	75.92	12.53	105.2	3.988	0	0	0	0		
0:45	0	0	0	0	0	0	0	0	Reset Volume	
0:45	0	0	0	0	0	0	0	0	[CumVol]=76.99 bbl	
0:45	.4623	14.81	96.04	3.641	0	0	0	0		
0:45	0	0	0	0	0	0	0	0	Start Mixing Tail Slurry	
0:45	2.332	14.04	108.3	3.742	0	0	0	0		
0:46	4.216	15.19	111.5	3.72	0	0	0	0		
0:46	6.093	14.36	102.6	3.735	0	0	0	0		
0:47	7.97	14.86	102.6	3.729	0	0	0	0		
0:47	9.847	15	105.7	3.727	0	0	0	0		
0:48	11.72	14.7	104.5	3.728	0	0	0	0		
0:48	13.6	14.98	105.5	3.724	0	0	0	0		
0:49	15.48	14.74	104.1	3.732	0	0	0	0		
0:49	17.35	14.73	100.9	3.737	0	0	0	0		
0:50	19.23	14.69	98.38	3.724	0	0	0	0		
0:50	21.1	14.44	97.68	3.727	0	0	0	0		
0:51	22.98	14.73	100.7	3.723	0	0	0	0		
0:51	24.86	15.13	102.4	3.708	0	0	0	0		
0:52	26.73	14.43	98.96	3.738	0	0	0	0		
0:52	28.6	14.95	105.3	3.709	0	0	0	0		
0:53	30.47	14.06	96.83	3.73	0	0	0	0		
0:53	0	0	0	0	0	0	0	0	End Tail Slurry	
0:53	31.04	14.04	13.86		0	0	0	0		
0:53	0	0	0	0	0	0	0	0	[CumVol]=31.04 bbl	

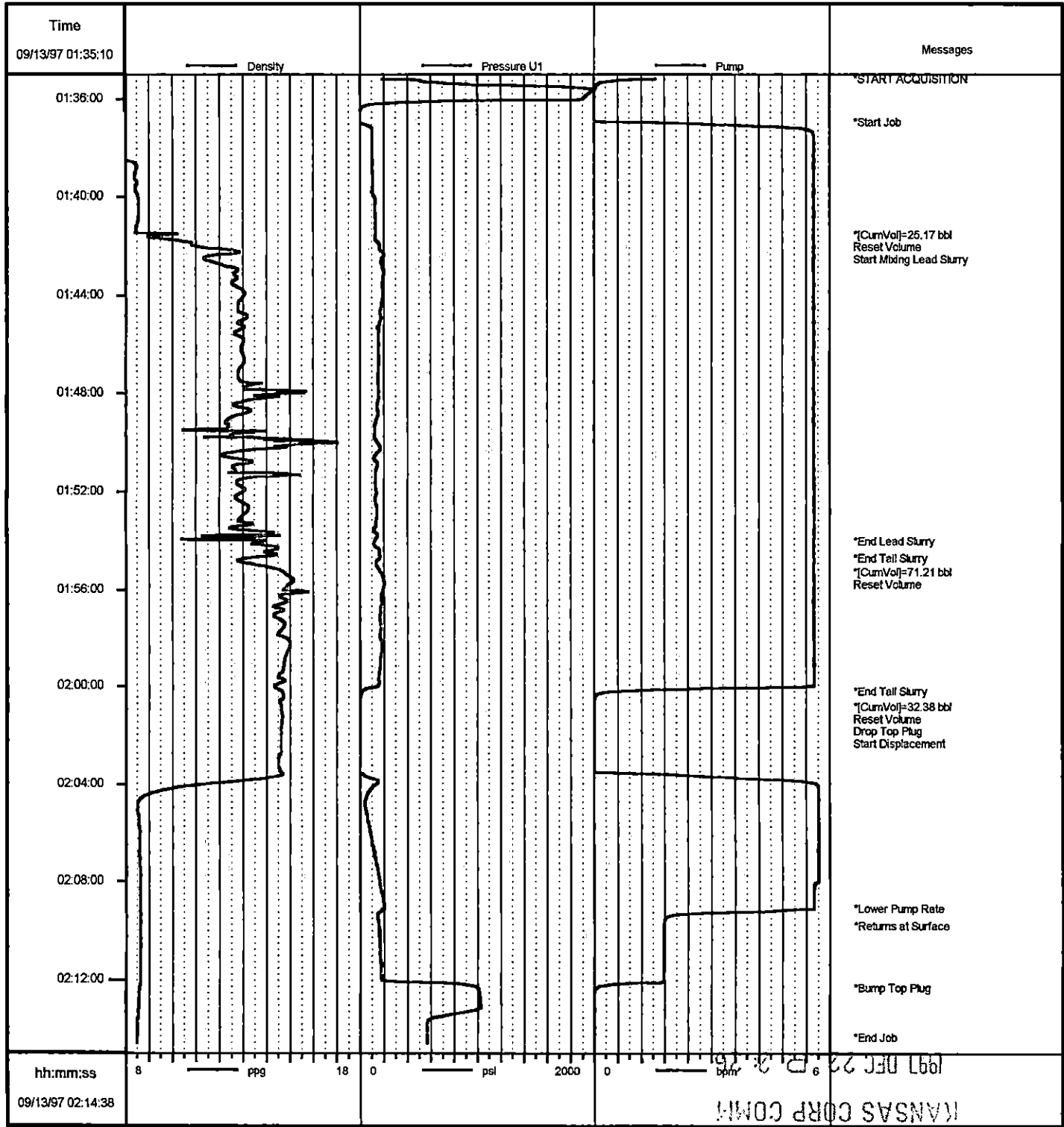
Well		Field		Service Date		Customer		Job Number		
WRD #4		HUGOTON		9/12/97		MOBIL OIL CORP V39050075		20018202		
Time	CumVol	Density	Pressure U1	Pump				Message		
24 hr clock	bbl	ppg	psi	bpm						
0:53	0	0	0	0	0	0	0	Reset Volume		
0:53	0	0	0	0	0	0	0	Drop Top Plug		
0:54	0	0	0	0	0	0	0	Start Displacement		
0:54	0	0	0	0	0	0	0	PAUSE ACQUISITION		
0:56	0	0	0	0	0	0	0	RESTART AFTER PAUSE		
0:56		14.19	10.52		0	0	0			
0:57	.4308	11.67	38.51	2.208	0	0	0			
0:58	2.371	9.33	109.2	2.284	0	0	0			
0:58	4.801	8.468	132.9	2.479	0	0	0			
0:59	7.467	8.268	142.1	2.477	0	0	0	ORIGINAL		
0:59	10.07	8.22	150.3	2.458	0	0	0			
1:00	12.68	8.134	166.6	2.468	0	0	0			
1:00	15.29	8.213	186.6	2.453	0	0	0			
1:01	17.89	8.271	204.7	2.454	0	0	0			
1:01	20.5	8.278	222.9	2.441	0	0	0			
1:02	23.25	8.273	267.3	5.522	0	0	0			
1:02	26.08	8.276	266.4	5.106	0	0	0			
1:02	0	0	0	0	0	0	0	Lower Pump Rate		
1:02	0	0	0	0	0	0	0	Returns at Surface		
1:03	27.92	8.333	228.5	2.795	0	0	0			
1:03	29.09	8.333	228.5	2.157	0	0	0			
1:04	30.17	8.334	236.9	2.091	0	0	0			
1:04	31.21	8.333	242.4	2.066	0	0	0			
1:05	32.25	8.334	246.2	2.049	0	0	0			
1:05	33.27	8.333	250.4	2.041	0	0	0			
1:06	34.3	8.333	258.5	2.031	0	0	0			
1:06	35.03	8.304	757.1	.1011	0	0	0			
1:07	35.04	8.333	765.2		0	0	0			
1:07	35.04	8.333	676.5		0	0	0			
1:08	35.04	8.333	669.2		0	0	0			
1:08	0	0	0	0	0	0	0	Bump Top Plug		
Post Job Summary										
Average Pump Rates, bpm				Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
5	0	0	5.5	109	0	0	0			
Treating Pressure Summary, psi				Breakdown Fluid						
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
1050	1050	200	1050	0		2756	0 bbl	0 lb/gal		
Avg. N2 Percent				Designed Slurry Volume		Displacement		Cement Circulated to Surface? Volume		
0 %		0 bbl		36 bbl		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To 0 ft		0 bbl		
Customer or Authorized Representative				Dowell Supervisor			Circulation Lost			Job Completed
Marvin Harvey				Jeffrey Dutton			<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed

1997 DEC 22 2:25

RECEIVED
KANSAS CORP COMM

ORIGINAL

Well	WRD #4-5	Client	MOBIL
Field	HUGOTON	SIR No.	20018202
Country	USA	Job Date	9/13/97 1:35:10 AM



Job: mobil200
09/13/1997 02:31

hh:mm:ss
09/13/97 02:14:38

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KANSAS CORP COMM
1997 DEC 22 P 2:26

* Mark of Schlumberger