

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. _____

9-8-97 9-11-97 10-3-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-222080000

County Stevens

NE - SW - SE Sec. 30 Twp. 33 Rge. 36 X W

1250 Feet from S/N (circle one) Line of Section

1510 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 E. Carpenter #1 Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3067 KB 3075

Total Depth 2940 PBTB 2882

Amount of Surface Pipe Set and Cemented at 639 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 4-22-98 etc.
(Data must be collected from the Reserve Pit)

Chloride content 33,000 ppm Fluid volume 300 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: 16 1997 12-16-97

Operator Name Mobil Oil Corporation

Lease Name _____ License No. 5208

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

RECEIVED
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS

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 12-15-97

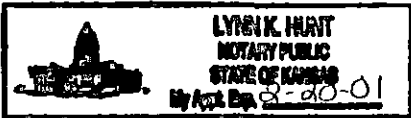
Subscribed and sworn to before me this 15th day of December, 19 97.

Notary Public Lynnik K. Hunt

Date Commission Expires February 20, 2001

7-99.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 E. Carpenter #1 Unit Well # 4
 Sec. 30 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#	639	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2930	Class C Class C	220 100	3% D79 2% B28

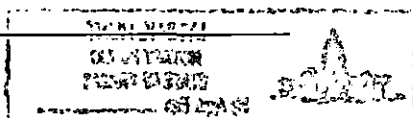
ADDITIONAL CEMENTING/SQUEEZE RECORD

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	2624-30	Acid: 1,000 gals 7.5% HCL	
	2698-2708	Fract: 11,400 gals WF130 in 70q foam	
	2749-57	Chased with 5,000 gals 15% HCL	
	2800-10		

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. 9-26-97		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
		182			

Disposition of Gas: METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2624
 (If vented, submit ACO-18.) Other (Specify) 2810





ORIGINAL

Cementing Service Report 15-189-22208

Customer: MOBIL OIL CORP. V390500757A Job Number: 20017193

Well: E. CARPENTER UNIT #1 4		Location (legal): 30, 33S, 36W		Dowell Location: Ulysses, KS		Service Date: 8/29/97					
Field: HUGOTON		Formation Name/Type: Dolomite		Deviation: 0 °		Well MD: 2,940 ft					
County: Stevens		State/Province: KS		Bit Size: 7.88 in		Well TVD: 2,940 ft					
Rig Name: NORSEMAN 4		Drilled For: Gas		Service Via: Land		Casing/Liner:					
Water Depth:		Well Class: 101		Well Type: Development		Depth, ft: 2930					
Drilling Fluid Type: Bentonite		Max. Density: 9.3 lb/gal		Plastic Viscosity: 0 cp		Size, in: 5.5					
Service Line: Cementing		Job Type: Cem Prod Casing		Weight, lb/ft: 14		Grade:					
Max. Allowed Tubing Pressure: 0 psi		Max. Allowed Ann. Pressure: 0 psi		Wellhead Connection: Single cement head		Thread:					
Service Instructions Cement and equipment to safely cement 5 1/2 casing as per customer's request. Loc #63117 I.D. MTHARVEY Field est. \$6982.87				Depth, ft: 0		Grade:					
				Top, ft: 0		Bottom, ft: 0		spf: 0		No. of Shots: 0	
				Total Interval: 0 ft		Diameter: 0 in		Treat Down: Casing		Displacement: 70.3 bbl	
				Packer Depth: 0 ft		Packer Type:		Tubing Vol.: 0 bbl		Casing Vol.: 71.5 bbl	
				Open Hole Vol: 0 bbl		Annular Vol.: 0 bbl		Squeeze Job:		Squeeze Type:	
				Casing Tools:		Shoe Type: Guide		Shoe Depth: 2930 ft		Tool Type:	
Casing/Tubing Secured: <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing: <input checked="" type="checkbox"/>		No. Centralizers: 10		Top Plugs: 1					
Lift Pressure: 0 psi		Pipe Rotated: <input type="checkbox"/>		Pipe Reciprocated: <input type="checkbox"/>		Bottom Plugs: 0					
Cement Head Type: Single		Job Scheduled For: 9/11/97 12:00		Arrived on Location: 9/11/97 12:00		Leave Location:					
Stago Tool Type:		Stago Tool Depth: 0 ft		Collar Type: Auto-Fill		Collar Depth: 2882 ft					
Tool Depth: 0 ft		Tail Pipe Size: 0 in		Tail Pipe Depth: 0 ft		Sqz Total Vol: 0 bbl					
Time: 15:16		CumVol: 0 bbl		Density: 0 ppg		Pressure U1: 0 psi					
24 hr clock		totcumvol: 0 bbl		Totflowrate: 0 bpm		Message: START ACQUISITION					
15:16		0		-6.25		-3819					
15:16		0		0		0					
15:16		.3521		8.318		2176					
15:17		.3521		6233E-5		0					
15:17		0		0		0					
15:17		.3555		8.318		2074					
15:18		.3555		1683E-13		0					
15:19		.3575		8.16		7766E-5					
15:20		.5898		8.333		2422					
15:21		.6485		8.34		1.064					
15:21		.8629		8.35		1497					
15:22		.9757		8.348		678.7					
15:23		1.062		8.349		755					
15:24		1.084		8.347		1.519					
15:24		1.111		8.346		6553E-5					
15:25		1.2		8.333		1145					
15:26		1.379		8.333		1991					
15:27		1.506		8.333		23.7					
15:27		1.506		8.333		1524E-7					
15:28		1.507		8.349		6.127					
15:29		1.566		8.333		6631E-7					

Well			Field			Service Date		Customer		Job Number
E. CARPENTER UNIT #1 #4			HUGOTON			8/29/97		MOBIL OIL CORP V39050074		20017193
Time	CumVol	Density	Pressure U1	totCumVol	TotFlowrate			Message		
24 hr clock	bbbl	ppg	psi	bbbl	bpm					
15:30	1.628	8.333	21.32	1.628	1592E-5	0	0			
15:30	1.653	8.357	5641E-7	1.653	3991E-5	0	0	ORIGINAL		
15:31	1.691	8.333	-5968E-12	1.691	8119E-5	0	0			
15:32	1.762	8.333	-8901E-12	1.762	8406E-5	0	0			
15:33	1.834	8.333	-8901E-12	1.834	.0926	0	0			
15:34	2.01	8.33	2.683	2.01	.1635	0	0			
15:34	2.049	8.333	.3033	2.049	1185E-6	0	0			
15:35	0	0	0	0	0	0	0	[CumVol]=2.049 bbl		
15:35	0	0	0	0	0	0	0	Reset Volume		
15:35	0	0	0	0	0	0	0	Start Pumping Water		
15:35	.0504	8.33	17.53	2.099	1.319	0	0			
15:36	3.847	8.295	241.1	5.896	5.625	0	0			
15:37	8.173	8.24	251.3	10.22	5.63	0	0			
15:37	12.49	8.272	265.1	14.54	5.603	0	0			
15:38	16.79	8.282	271.1	18.84	5.587	0	0			
15:39	21.08	8.245	275.7	23.13	5.585	0	0			
15:39	0	0	0	0	0	0	0	[CumVol]=24.06 bbl		
15:39	0	0	0	0	0	0	0	Reset Volume		
15:40	0	0	0	0	0	0	0	Start Mixing Lead Slurry		
15:40	1.109	11.2	312.2	27.4	5.53	0	0			
15:40	5.276	11.44	299.7	31.57	5.53	0	0			
15:41	9.521	11.49	285.6	35.81	5.528	0	0			
15:42	13.76	11.51	272.5	40.06	5.511	0	0			
15:43	18	11.33	249.4	44.3	5.514	0	0			
15:44	22.25	11.24	232.1	48.54	5.532	0	0			
15:44	26.49	11.5	218.2	52.79	5.515	0	0			
15:45	30.73	11.5	197.5	57.03	5.524	0	0			
15:46	34.98	11.41	179	61.27	5.531	0	0			
15:47	39.22	11.46	154.7	65.52	5.54	0	0			
15:47	43.48	11.57	139	69.77	5.531	0	0			
15:48	47.72	11.43	117.8	74.02	5.52	0	0			
15:49	51.97	11.45	113.1	78.27	5.531	0	0	RECEIVED KANSAS CORPORATION COMMISSION		
15:50	56.22	11.46	113.6	82.51	5.526	0	0			
15:50	60.48	11.53	113.3	86.77	5.532	0	0			
15:51	64.73	11.43	110.5	91.02	5.525	0	0	DEC 13 1997		
15:52	68.9	11.55	114.5	95.19	5.53	0	0			
15:53	73.15	11.52	115	99.44	5.524	0	0			
15:54	77.4	11.43	113.9	103.7	5.53	0	0	CONSERVATION DIVISION WICHITA, KS		
15:54	81.66	11.45	115.1	108	5.527	0	0			
15:55	85.9	11.25	113	112.2	5.527	0	0			
15:56	90.14	11.61	119	116.4	5.499	0	0			
15:57	94.38	11.47	115.1	120.7	5.512	0	0			
15:57	98.53	11.45	114.5	124.8	5.504	0	0			
15:58	102.8	10.99	113.2	129	5.513	0	0			
15:58	0	0	0	0	0	0	0	[CumVol]=104.2 bbl		
15:58	0	0	0	0	0	0	0	Reset Volume		
15:59	0	0	0	0	0	0	0	Start Mixing Tail Slurry		
15:59	2.553	14.99	188	133.3	5.443	0	0			
16:00	6.745	14.92	192	137.4	5.452	0	0			
16:00	10.94	14.93	191.5	141.6	5.45	0	0			
16:01	15.13	14.75	193.3	145.8	5.474	0	0			
16:02	19.25	14.94	193.8	150	5.456	0	0			
16:03	0	0	0	0	0	0	0	Shutdown		

Well			Field			Service Date		Customer		Job Number	
E. CARPENTER UNIT #1 #4			HUGOTON			8/29/97		MOBIL OIL CORP V39050074		20017193	
Time	CumVol	Density	Pressure U1	totCumVol	TotFlowrate			Message			
24 hr clock	bbbl	ppg	psi	bbbl	bpm						
16:03	22.7	13.87	1.335	153.4	.4116	0	0				
16:03	0	0	0	0	0	0	0	[CumVol]=22.74 bbl			
16:03	0	0	0	0	0	0	0	Reset Volume			
16:07	2267E-5	5.216	-9.191	153.5	.1358	0	0				
16:07	0	0	0	0	0	0	0	Drop Top Plug			
16:07	0	0	0	0	0	0	0	Start Displacement			
16:08	1.69	9.201	53.25	155.1	5.541	0	0				
16:09	6.029	9.184	63.37	159.5	5.652	0	0				
16:10	10.37	9.069	56.53	163.8	5.637	0	0				
16:10	14.69	8.941	60.41	168.1	5.62	0	0	ORIGINAL			
16:11	19.02	8.822	59.74	172.5	5.625	0	0				
16:12	23.34	8.716	60.42	176.8	5.58	0	0				
16:13	25.42	8.637	-6.602	178.9	1.778	0	0				
16:13	26.59	8.578	-8.794	180	1.469	0	0				
16:14	27.48	8.47	-9.191	180.9	1.128	0	0				
16:15	28.43	8.433	-7.568	181.9	1.481	0	0				
16:16	29.62	8.516	-7.301	183.1	1.538	0	0				
16:16	30.8	8.526	-4.663	184.2	1.528	0	0				
16:17	31.5	8.581	-9.19	184.9	.7985	0	0				
16:18	32.13	8.579	-9.191	185.6	.8398	0	0				
16:19	33.08	8.73	-2.557	186.5	1.938	0	0				
16:20	35.39	8.644	37.91	188.8	3.863	0	0				
16:20	39.41	8.427	141.5	192.9	5.734	0	0				
16:21	43.79	8.524	183.8	197.2	5.681	0	0				
16:22	48.14	8.386	267.5	201.6	5.63	0	0				
16:23	52.36	8.402	364.4	205.8	5.583	0	0				
16:23	56.64	8.394	469.2	210.1	5.565	0	0				
16:24	60.91	8.382	540	214.4	5.469	0	0				
16:24	0	0	0	0	0	0	0	Lower Pump Rate			
16:25	63.28	7.769	479	216.7	2.195	0	0	RECEIVED KANSAS CORPORATION COMMISSION			
16:26	64.93	7.8	502.8	218.4	2.13	0	0				
16:26	66.56	7.72	517.3	220	2.117	0	0	DEC 16 1997			
16:27	68.17	7.746	538	221.6	2.074	0	0				
16:28	69.81	7.773	555.1	223.3	2.053	0	0	CONSERVATION DIVISION WICHITA, KS			
16:29	70.65	.4347	1330	224.1	3931E-6	0	0				
16:30	70.65	.145	-6.795	224.1	2044E-11	0	0				
16:30	0	0	0	0	0	0	0	Bump Top Plug			
16:30	70.65	.1377	-9.191	224.1	4235E-7	0	0				
16:30	0	0	0	0	0	0	0	Bleed Off Pressure			

Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
4.5	0	0	5.6	127	0	24	0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
560	1325	200	0	0		0 bbl	0 lb/gal			
Avg. N2 Percent		Designed Slurry Volume		Displacement		Cement Circulated to Surface? Volume		Washed Thru Perfs To		
0 %		0 bbl		70.4 bbl		0 bbl		0 ft		
Customer or Authorized Representative				Dowell Supervisor			Circulation Lost			Job Completed
Marvin Harvey				Charley King			<input type="checkbox"/>			<input checked="" type="checkbox"/>

ORIGINAL Cementing Service Report

Schlumberger
Dowell

Customer: MOBIL OIL CORP V390500757A Job Number: 20017191

Well: E. Carpenter 1-4		Location (logal): Sec. 30-33S-36W		Dowell Location: Ulysses, KS		Service Date: 8/29/97					
Field: Hugoton		Formation Name/Type: Surface		Deviation: 0 °		Well MD: 0 ft					
County: Stevens		State/Province: Kansas		BHP: 0 psi		Well TVD: 0 ft					
Rig Name: Norseman #4		Drilled For: Gas		Service Via: Land		Casing/Liner					
Water Depth:		Well Class: 101		Well Type: Development		Depth, ft: 0					
Drilling Fluid Type: Bentonite		Max. Density: 9.6 lb/gal		Plastic Viscosity: 31 cp		Size, In: 8.63					
Service Line: Cementing		Job Type: Cem Surface Casing		Weight, lb/ft: 24		Grade: US 50					
Max. Allowed Tubing Pressure: 1000 psi		Max. Allowed Ann. Pressure: 0 psi		Wellhead Connection: 8 5/8 Cement Head		Thread: 8rd					
Service Instructions Safely deliver & perform Surface Cement job with materials & equipment listed below. Per clients instructions. Loc Code 63117 I. D. MTHARVEY Acc Code 4903 Total Field Price 5465.44				Perforations/Open Hole		Depth, ft: 0					
				Top, ft: 0		Bottom, ft: 0		spf: 0			
				No. of Shots: 0		Total Interval: 0 ft		Diameter: 0 in			
				Treat Down: Casing		Displacement: 380 bbl		Packer Type: None		Packer Depth: 0 ft	
				Tubing Vol.: 0 bbl		Casing Vol.: 0 bbl		Annular Vol.: 0 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: 262 psi				Shoe Type: Guide		Squeeze Type:					
Pipes Rotated <input type="checkbox"/> Pipe Reel/Prepacked <input type="checkbox"/>				Shoe Depth: 638 ft		Tool Type:					
No. Centralizers: 5 Top Plugs: 1 Bottom Plugs: 0				Stage Tool Type:		Tool Depth: 0 ft					
Cement Head Type: Single				Stage Tool Depth: 0 ft		Tail Pipe Size: 0 in					
Job Scheduled For: Arrived on Location: 9/8/97 23:30 Leave Location: 9/9/97 8:30				Collar Type: Other		Tail Pipe Depth: 0 ft					
				Collar Depth: 597 ft		Sqz Total Vol.: 0 bbl					
Time	CumVol	Density	Pressure U1	Rosat Volume	TotFlowrate	Message					
24 hr clock	bbl	ppg	psi	bbl	bpm						
6:57	0	0	0	0	0	START ACQUISITION					
6:57	0	-6.25	-3761	0	0						
6:58	0	-5.411	-17.89	0	0						
6:58	0	-2.299	-17.28	0	0						
6:59	0	-4.131	-17.42	0	0						
6:59	0	-1.876	-19.27	0	0						
7:00	0	-4.302	-22.39	0	0						
7:00	0	-1.525	-20.03	0	0						
7:01	0	-4.232	-21.22	0	0						
7:01	0	-5.427	-22.55	0	0						
7:02	0	-5.041	-25.84	0	0						
7:02	0	-4.751	-25.98	0	0						
7:03	0	-4.393	-26.26	0	0						
7:03	3892E-6	5.223	-20.36	3892E-6	644E-5						
7:04	1052E-5	6.979	-20.1	1052E-5	.2228						
7:04	.2991	7.044	1568	.2991	4314E-5						
7:05	.3017	7.098	1295	.3017	1635E-8						
7:05	.3118	7.161	-14.05	.3118	3238E-5						
7:06	.3309	7.289	-13.76	.3309	3597E-5						
7:06	0	0	0	0	0	Start Pumping Water					
7:06	.3583	7.412	-13.74	.3583	5308E-5						

RECORDED
KANSAS CORPORATION COMMISSION

DEC 16 1997

CONSERVATION DIVISION
WICHITA, KS

Well		Field				Service Date	Customer		Job Number
E. Carpenter #1-4		Hugoton				8/29/97	MOBIL OIL CORP V39050075		20017191
Time	CumVol	Density	Pressure U1	Reset Volume	TotFlowrate			Message	
24 hr clock	bbbl	ppg	psl	bbbl	bpm				
7:07	1.444	8.268	78.98	1.444	4.691	0	0		
7:07	4.223	8.29	109.6	4.223	5.628	0	0		
7:08	7.055	8.273	110.5	7.055	5.636	0	0	ORIGINAL	
7:08	9.897	8.272	117.9	9.897	5.625	0	0		
7:09	12.72	8.272	119.1	12.72	5.606	0	0		
7:09	15.53	8.272	119.1	15.53	5.566	0	0		
7:10	18.32	8.256	123.7	18.32	5.545	0	0		
7:10	21.11	8.238	128.8	21.11	5.551	0	0		
7:11	23.91	8.22	133.3	23.91	5.537	0	0		
7:11	0	0	0	0	0	0	0	[Reset Volume]=0 bbl	
7:11	0	0	0	0	0	0	0	Start Mixing Lead Slurry	
7:11	26.69	11.77	166.6	1.295	5.517	0	0		
7:12	29.46	13.34	186.9	4.067	5.506	0	0		
7:12	32.23	13.34	185.2	6.837	5.507	0	0		
7:13	35	12.89	167.3	9.609	5.513	0	0		
7:13	37.79	12.69	157.4	12.39	5.515	0	0		
7:14	40.56	12.96	157.3	15.17	5.518	0	0		
7:14	43.34	12.64	142.1	17.95	5.517	0	0		
7:15	46.11	12.77	134.8	20.72	5.521	0	0		
7:15	48.89	12.72	131.2	23.49	5.52	0	0		
7:16	51.67	12.79	136.4	26.28	5.517	0	0		
7:16	54.44	12.49	123.4	29.05	5.51	0	0		
7:17	57.2	11.55	96.93	31.8	4.809	0	0		
7:17	59.5	13.39	147.1	34.1	5.448	0	0		
7:18	62.25	12.7	141.2	36.86	5.504	0	0		
7:18	65.03	12.97	144.5	39.63	5.492	0	0		
7:19	67.79	12.8	138.5	42.4	5.496	0	0		
7:19	70.56	12.55	133.1	45.17	5.506	0	0		
7:20	73.33	12.61	132.3	47.93	5.506	0	0		
7:20	76.09	13.38	152.6	50.7	5.481	0	0		
7:21	78.87	12.49	132	53.48	5.517	0	0		
7:21	81.64	12.86	140.4	56.24	5.496	0	0		
7:22	84.41	12.59	132.9	59.01	5.51	0	0		
7:22	87.17	12.7	140.1	61.78	5.508	0	0		
7:23	89.96	13.2	148.8	64.56	5.505	0	0		
7:23	92.73	12.62	136.3	67.33	5.515	0	0		
7:24	95.5	12.81	141	70.11	5.519	0	0		
7:24	98.27	12.94	151.1	72.88	5.52	0	0		
7:25	101.1	12.38	137.5	75.66	5.523	0	0		
7:25	0	0	0	0	0	0	0	[Reset Volume]=0 bbl	
7:25	0	0	0	0	0	0	0	Start Mixing Tail Slurry	
7:25	103.8	14.62	185.2	2.685	5.493	0	0		
7:26	106.6	15.06	201.8	5.442	5.48	0	0		
7:26	109.3	14.85	194	8.199	5.478	0	0		
7:27	112.1	14.7	191.6	10.95	5.478	0	0		
7:27	114.9	14.8	193.1	13.71	5.473	0	0		
7:28	117.6	14.79	195.3	16.47	5.475	0	0		
7:28	120.4	14.61	187.4	19.22	5.468	0	0		
7:29	123.1	14.7	187.4	21.98	5.467	0	0		
7:29	125.9	14.5	181.7	24.73	5.48	0	0		
7:30	128.6	14.51	179.2	27.49	5.484	0	0		
7:30	131.4	14.3	175.6	30.26	5.482	0	0		
7:31	133.2	13.83	-4.507	32.08	.161	0	0		

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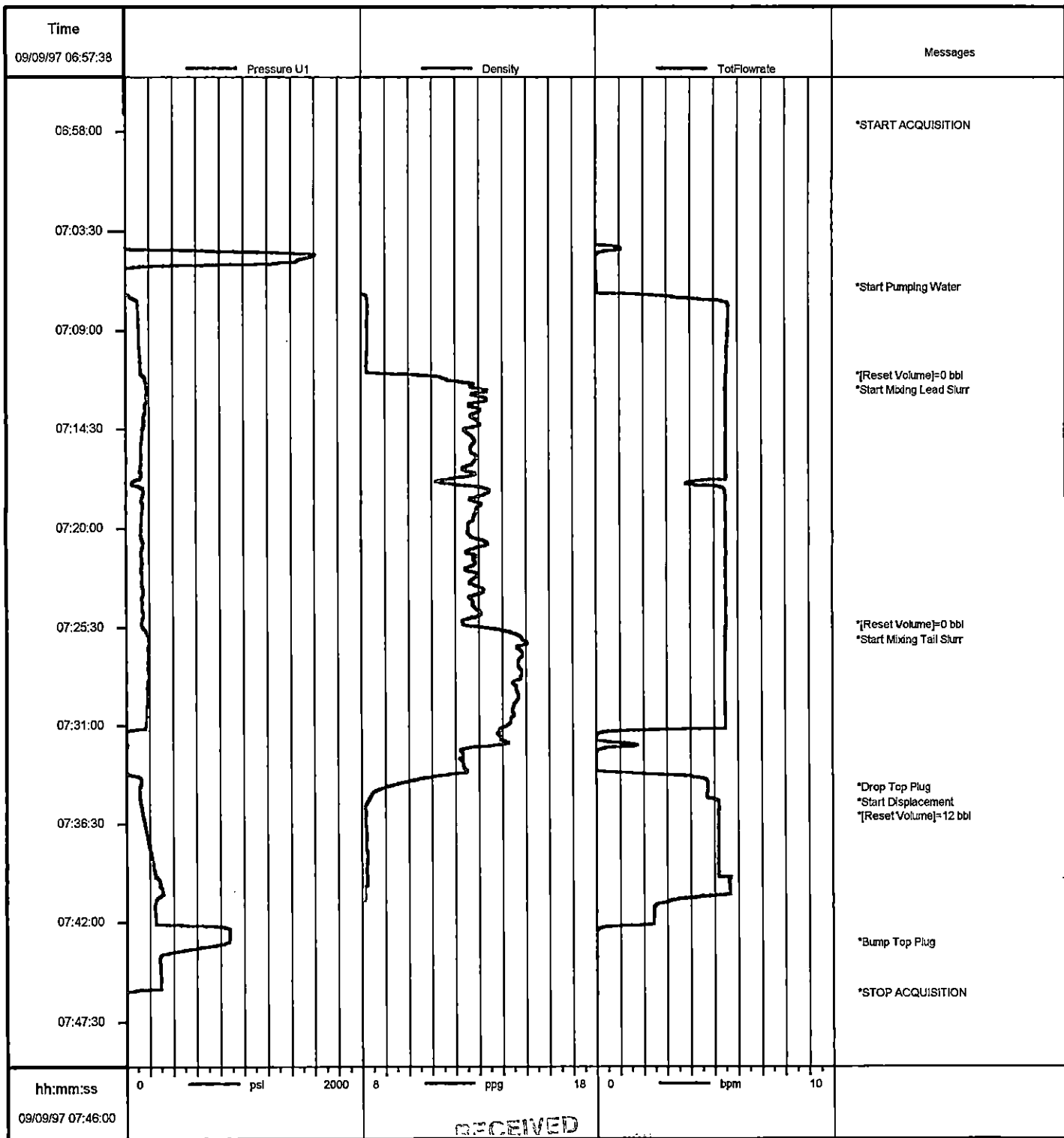
Well		Field		Service Date		Customer		Job Number	
E. Carpenter #1-4		Hugoton		8/29/97		MOBIL OIL CORP V39050075		20017191	
Time	CumVol	Density	Pressure U1	Reset Volume	TotFlowrat	Message			
24 hr clock	bbbl	PPG	psi	bbbl	bpm				
7:31	133.2	14.12	-5.598	32.1	.4395	0	0		
7:32	133.7	12.23	-7.728	32.52	3979E-5	0	0		
7:32	133.7	12.21	-9.163	32.52	1424E-8	0	0	ORIGINAL	
7:33	133.7	12.37	-9.163	32.52	51E-10	0	0		
7:33	134.5	10.86	120.5	33.37	4.221	0	0		
7:34	136.9	9.118	122.3	35.72	4.723	0	0		
7:34	0	0	0	0	0	0	0	Drop Top Plug	
7:34	0	0	0	0	0	0	0	Start Displacement	
7:34	139.2	8.413	116.7	38.1	4.702	0	0		
7:35	141.7	8.179	127.9	40.6	5.183	0	0		
7:35	144.4	8.19	144	43.22	5.17	0	0		
7:36	0	0	0	0	0	0	0	[Reset Volume]=12 bbl	
7:36	147	8.165	156.3	13.39	5.18	0	0		
7:36	149.6	8.193	173.5	15.99	5.179	0	0		
7:37	152.2	8.195	189.3	18.6	5.192	0	0		
7:37	154.8	8.194	202.7	21.2	5.193	0	0		
7:38	157.4	8.24	223.9	23.82	5.171	0	0		
7:38	160	8.22	237.7	26.42	5.177	0	0		
7:39	162.6	8.238	251.7	29.03	5.171	0	0		
7:39	165.4	8.217	293.7	31.85	5.654	0	0		
7:40	168.3	8.134	311.9	34.69	5.62	0	0		
7:40	170.1	7.777	245.5	36.55	2.635	0	0		
7:41	171.4	7.906	245.8	37.79	2.433	0	0		
7:41	172.6	7.906	253.2	39.01	2.414	0	0		
7:42	173.1	3.511	878.5	39.54	1191E-5	0	0		
7:42	173.1	5.443	875.2	39.54	4263E-9	0	0		
7:43	0	0	0	0	0	0	0	Bump Top Plug	
7:43	173.1	5.868	562.4	39.54	1526E-12	0	0		
7:43	173.1	6.01	284.9	39.54	5464E-16	0	0		
7:44	173.1	6.074	291.2	39.54	1956E-19	0	0		
7:44	173.1	6.133	293.2	39.54	7004E-23	0	0		
7:45	173.1	6.155	293.2	39.54	2508E-26	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	5.6	108	0	0	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
250	250	200	0	0		0 bbl	0 lb/gal		
Avg. N2 Percent	Designed Slurry Volume	Displacement			Cement Circulated to Surface? Volume				
0 %	0 bbl	38 bbl			<input checked="" type="checkbox"/> bbl - 35				
Customer or Authorized Representative		Dowel Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed		
Marvin Harvey		David Brawley							

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Well	E. Carpenter #1-4	Client	Mobil E&P US Inc.	ORIGINAL
Field	Hugoton	SIR No.	20017191	
Country	USA	Job Date	9/9/97 6:57:38 AM	



Job: mob17191

09/09/1997 07:49

* Mark of Schlumberger

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