

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. _____
9-26-97 9-29-97 10-21-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-222060000
County Stevens
NE SW SW Sec. 6 Twp. 33 Rge. 35 X 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 Mann #2 Unit Well # 4
Field Name Hugoton
Producing Formation Chase
Elevation: Ground 2990 KB 2999
Total Depth 2930 PBTB 2860
Amount of Surface Pipe Set and Cemented at 651 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, 4-23-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 19,000 ppm Fluid volume 300 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. _____

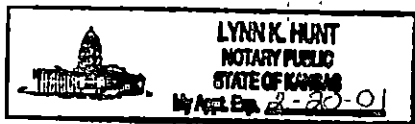
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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 12-18-97

Subscribed and sworn to before me this 18th day of December, 19 97.
Notary Public Lynn K. Hunt
Date Commission Expires February 20, 2001
7-107.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 Mann #2 Unit Well # 4
 Sec. 6 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 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		
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#	651	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2920	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				

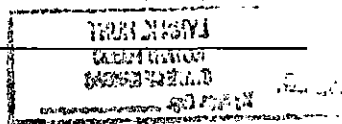
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	2614-20	Acid: 1,000 gals 7.5% HCL	
	2680-90	Fraccd: 38,000 gals WF130 in 70q foam	
	2732-42	125,960 lbs 16/30 sand	
	2776-86		

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)				
10-18-97						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		237				

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: _____ 2614 _____ 2786



Schlumberger
Dowell

ORIGINAL

Cementing Service Report

15-189-22206

Customer: MOBIL OIL CORP V390500757A
Job Number: 20019596

Well: MANN UNIT #2 4		Location (legal): 6, 33S, 35W		Dowell Location: Ulysses, KS		Service Date: 9/17/97		
Field: HUGOTON		Formation Name/Type: Dirty-Sandstone		Deviation: 0 °	Bit Size: 12.3 in	Well MD: 650 ft	Well TVD: 650 ft	
County: Stevens		State/Province: KS		BHP: 0 psi	BHST: 0 °F	BHCT: 0 °F	Poro Press. Gradient: 0 psi/ft	
Rig Name: NORSEMAN 2	Drilled For: Gas	Service Via: Land		Casing/Liner				
Water Depth: 0	Well Class: 101	Well Type: Development		Depth, ft: 650	Size, in: 8.63	Weight, lb/ft: 24	Grade: 0	
Drilling Fluid Type: Bentonite	Max. Density: 9.3 lb/gal	Plastic Viscosity: 0 cp		Tubing/Drill Pipe				
Service Line: Cementing	Job Type: Cem Surface Casing		Depth, ft: 0	Size, in: 0	Weight, lb/ft: 0	Grade: 0	Thread: 0	
Max. Allowed Tubing Pressure: 0 psi	Max. Allowed Ann. Pressure: 0 psi	Wellhead Connection: Single cement head		Perforations/Open Hole				
Service Instructions Cement and equipment to safely cement 8 5/8 casing as per customer's request. Loc #63121 I.D. JLLASITE Field Est. \$ 4820.70				Top, ft: 0	Bottom, ft: 0	spf: 0	No. of Shots: 0	Total Interval: 0 ft
				Diameter: 0 in	Diameter: 0 in	Diameter: 0 in	Diameter: 0 in	Diameter: 0 in
				Treat Down Casing: 0 ft	Displacement: 38.7 bbl	Packer Type: 0 ft	Packer Depth: 0 ft	Packer Depth: 0 ft
				Tubing Vol.: 0 bbl	Casing Vol.: 41.4 bbl	Annular Vol.: 0 bbl	Open Hole Vol.: 0 bbl	Open Hole Vol.: 0 bbl
				Casing/Tubing Secured: <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing: <input checked="" type="checkbox"/>	Casing Tools		Squeeze Job
Lift Pressure: 0 psi		Pipe Reciprocated: <input type="checkbox"/>		Shoe Type: Guide	Squeeze Type: 0 ft			
Pipe Rotated: <input type="checkbox"/>		Pipe Reciprocated: <input type="checkbox"/>		Shoe Depth: 650 ft	Tool Type: 0 ft			
No. Centralizers: 4		Top Plugs: 1	Bottom Plugs: 0	Stage Tool Type: 0 ft	Tool Depth: 0 ft			
Cement Head Type: Single		Job Scheduled For: 9/27/97 3:30		Stage Tool Depth: 0 ft	Tall Pipe Size: 0 in			
Arrived on Location: 9/27/97 3:30		Leave Location: 9/27/97 3:30		Collar Type: Other	Tall Pipe Depth: 0 ft			
				Collar Depth: 607 ft	Sqz Total Vol: 0 bbl			
Time	CumVol	Density	Pressure Ut	TotFlowrate	Message			
24 hr clock	bbl	ppg	psi	bpm				
5:55	0	0	0	0	START ACQUISITION			
5:55	0	8.15	4.57	0				
5:55	0	0	0	0	Pressure Test Lines			
5:56	0	8.156	4.494	0				
5:56	.2562	8.147	737.7	4544E-5				
5:57	.2714	8.15	3130	2851E-7				
5:57	0	0	0	0	Bleed Off Pressure			
5:58	.2714	8.147	11.35	7248E-12				
5:58	0	0	0	0	[CumVol]=.2714 bbl			
5:58	0	0	0	0	Reset Volume			
5:58	0	0	0	0	Start Pumping Water			
5:58	9367E-7	8.143	2.068	5592E-5				
5:59	2.681	8.466	116	5.563				
6:00	6.416	8.471	123.3	5.567				
6:00	10.15	8.471	135.4	5.566				
6:01	13.89	8.473	144	5.568				
6:02	17.63	8.471	154	5.571				
6:02	21.37	8.471	209.6	5.572				
6:03	25.1	8.471	184.3	5.57				
6:03	0	0	0	0	[CumVol]=26.03 bbl			
6:03	0	0	0	0	Reset Volume			

Well		Field			Service Date		Customer		Job Number
MANN UNIT #2 #4		HUGOTON			9/17/97		MOBIL OIL CORP V39050075		20019596
Time	CumVol	Density	Pressure U1	TotFlowrate				Message	
24 hr clock	bbl	ppg	psi	bpm					
6:03	0	0	0	0	0	0	0	Start Mixing Lead Slurry	
6:04	2.714	12.27	256.8	5.555	0	0	0		
6:04	6.443	11.79	242.5	5.565	0	0	0		
6:05	10.17	12.87	256.9	5.553	0	0	0		
6:06	13.91	12.39	245.5	5.564	0	0	0		
6:06	17.64	12.99	253.4	5.561	0	0	0		
6:07	21.37	13.3	229	5.564	0	0	0		
6:08	25.1	12.79	185.4	5.572	0	0	0		
6:08	28.85	12.99	160.8	5.581	0	0	0		
6:09	32.58	13.26	161.4	5.579	0	0	0		
6:10	36.32	11.62	120.7	5.577	0	0	0		
6:10	40.06	12.41	154.1	5.583	0	0	0		
6:11	43.81	13.06	156.6	5.583	0	0	0		
6:12	47.55	13.03	168.7	5.583	0	0	0		
6:12	51.29	13.09	173.6	5.581	0	0	0		
6:13	55.02	12.67	155.4	5.575	0	0	0		
6:14	58.77	12.72	151.3	5.575	0	0	0		
6:14	62.51	12.76	149.5	5.575	0	0	0		
6:15	66.25	13.03	157.6	5.584	0	0	0		
6:16	69.99	12.63	150.3	5.577	0	0	0		
6:17	73.74	12.7	140.8	5.578	0	0	0		
6:17	77.49	12.64	143	5.578	0	0	0	[CumVol]=77.49 bbl	
6:17	0	0	0	0	0	0	0	Reset Volume	
6:17	0	0	0	0	0	0	0	Start Mixing Tail Slurry	
6:18	3.643	14.47	204.7	5.564	0	0	0		
6:19	7.379	14.17	191.7	5.571	0	0	0		
6:19	11.12	14.59	201.7	5.564	0	0	0		
6:20	14.86	14.2	211.6	5.569	0	0	0		
6:21	18.6	15.05	207.3	5.564	0	0	0		
6:21	22.33	14.57	186.2	5.579	0	0	0		
6:22	26.08	14.58	188.6	5.564	0	0	0		
6:23	29.81	14.68	186	5.578	0	0	0		
6:23	33.55	14.33	186.1	5.567	0	0	0		
6:23	0	0	0	0	0	0	0	Shutdown	
6:24	0	0	0	0	0	0	0	[CumVol]=34.72 bbl	
6:24	0	0	0	0	0	0	0	Reset Volume	
6:24	0	0	0	0	0	0	0	Drop Top Plug	
6:24	5566E-7	13.63	-1.19	1906E-6	0	0	0	Start Displacement	
6:25	6653E-7	13.51	-7.112	4845E-11	0	0	0		
6:25	6653E-7	13.47	-7.034	1232E-15	0	0	0		
6:26	.0839	13.76	42.85	2.054	0	0	0		
6:27	3.56	9.048	73.68	5.717	0	0	0		
6:27	7.388	8.411	61.02	5.711	0	0	0		
6:28	11.22	8.448	81.38	5.708	0	0	0		
6:29	15.04	8.426	110.4	5.713	0	0	0		
6:29	18.88	8.415	139.9	5.71	0	0	0		
6:30	22.71	8.43	168.4	5.708	0	0	0		
6:31	26.54	8.471	190	5.717	0	0	0		
6:31	0	0	0	0	0	0	0	Lower Pump Rate	
6:31	30.03	8.471	156.5	3.5	0	0	0		
6:32	31.37	8.471	148.2	1.854	0	0	0		
6:33	32.61	8.471	158.6	1.848	0	0	0		
6:33	0	0	0	0	0	0	0	Returns at Surface	

ORIGINAL

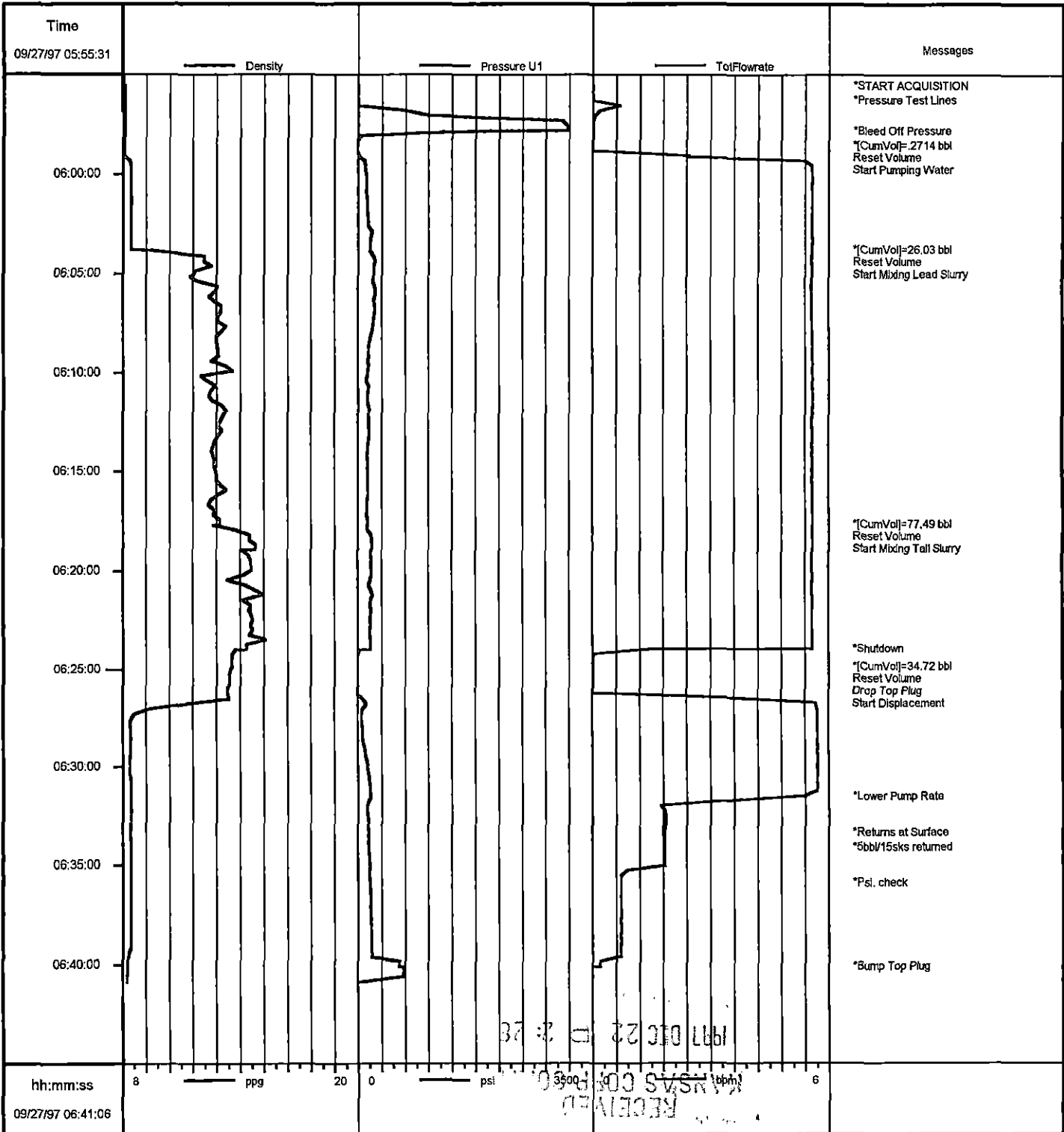
Well		Field			Service Date		Customer		Job Number		
MANN UNIT #2 #4		HUGOTON			9/17/97		MOBIL OIL CORP V39050079		20019596		
Time	CumVol	Density	Pressure U1	TotFlowrate					Message		
24 hr clock	bbbl	ppg	psi	bpm							
6:33	0	0	0	0	0	0	0	5bbl/15sks returned			
6:33	33.85	8.47	164.8	1.846	0	0	0				
6:34	35.09	8.471	178.6	1.848	0	0	0	ORIGINAL			
6:35	36.33	8.491	186.3	1.846	0	0	0				
6:35	36.94	8.471	183.2	.7276	0	0	0				
6:35	0	0	0	0	0	0	0	Psi. check			
6:36	37.42	8.471	191.6	.7265	0	0	0				
6:37	37.91	8.472	191.6	.7226	0	0	0				
6:37	38.39	8.471	199.1	.7225	0	0	0				
6:38	38.87	8.466	201.3	.7107	0	0	0				
6:39	39.35	8.465	202.7	.7182	0	0	0				
6:39	39.81	8.312	610.6	.2552	0	0	0				
6:40	0	0	0	0	0	0	0	Bump Top Plug			
6:40	39.82	8.283	692	6615E-9	0	0	0				
6:40	0	0	0	0	0	0	0	Bleed Off Pressure			
6:40	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				
4.5	0	0	5.7	112	0	26	0				
Treating Pressure Summary, psi				Breakdown Fluid							
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density				
205	680	75	680	0		0 bbl	0 lb/gal				
Avg. N2 Percent	Designed Slurry Volume		Displacement		Cement Circulated to Surface? Volume						
0 %	0 bbl		39.4 bbl		<input checked="" type="checkbox"/> 15 sks						
Customer or Authorized Representative				Dowell Supervisor							
Jeff Lasiter				Charley King				<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			

1997 DEC 22 2:28

RECEIVED
KANSAS CORP COMM

ORIGINAL

Well	Mann 2-4	Client	Mobil
Field	Hugoton	SIR No.	20019596
Country	USA 15-189-22200	Job Date	9/27/97 5:55:31 AM

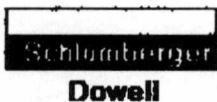


Job: mobil

09/27/1997 06:43

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KANSAS CITY
1997 DEC 22 10:22 AM

* Mark of Schlumberger



PRISM* V2.2 - Tabular Report

Cementing

Job Administration Data

Client
 Client Rep.
 Well Name
 Field Name
 Rig Name
 Rig Contractor
 Contractor Rep.
 Serv. Location
 Dowell Engineer
 Dowell Phone
 Acq. Front End

ORIGINAL

MOBILE & P US INC
 MR. JERR LASITER
 MANN 2-4
 HUGOTON

 NORSMAN #2

 ULYSSES KA.
 M.R. AHRVEY
 316-356-1272
 1 JAB/Hybrid RDA - 1 Cement
 Unit
 09/29/1997 12:26:56
 09/29/1997 13:26:45
 2001-9599
 CEMENT LONGSTRING

Channels Description

Channel	Description	Start Time	End Time	Unit
Acquisition Time	Acquisition time	09/29/1997 12:26:56	09/29/1997 13:26:45	
Cum Vol	Cumulative Volume	0	104.7	bbf
Density	Micromotion DS3008 NRD 5 to 25 ppg	0	17.36	ppg
Pressure UI	Viatran 500 Pressure Transducer 4-20mA 0-15 kpsi	-3750	2785	psi
Pump1	DS Cementer with TLO Head 4 1/2 in. plunger	0	85.19	mbl/s
Pump2	DS Cementer with TGO Head 3 3/4 in. plunger	0	58.81	mbl/s

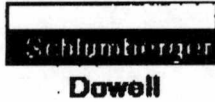
Acquisition Data

Acquisition Time	Cum Vol	Density	Pressure UI	Pump1	Pump2	Messages
09/29/1997 12:26:56						START ACQUISITION
09/29/1997 12:26:56	0	0	-3750	0	0	
09/29/1997 12:27:03						Pressure Test Level
09/29/1997 12:27:56	2213E-5	11.62	1197	3346	31E-7	
09/29/1997 12:28:28						Flow Off Pressure
09/29/1997 12:28:57	4618E-5	11.62	167.5	1.668	7398E-9	
09/29/1997 12:29:35						Start Pumping Water
09/29/1997 12:29:57	.8185	11.66	187.2	66.35	8156E-5	
09/29/1997 12:30:57	5.782	11.61	235	83.78	9333E-13	
09/29/1997 12:31:58	10.82	11.63	249.2	83.39	1196E-18	
09/29/1997 12:32:58	15.84	11.62	260.5	83.36	1531E-25	
09/29/1997 12:33:59	20.88	11.64	280.4	83.44	1966E-32	
09/29/1997 12:34:59	25.91	11.65	296.1	83.37	232E-38	
09/29/1997 12:35:59	30.93	11.62	296.9	83.07	323E-45	
09/29/1997 12:37:00	35.97	11.72	307.3	83.92	414E-52	
09/29/1997 12:37:01	-	-	-	-	-	Start Mixing Lead Slurry
09/29/1997 12:37:04	-	-	-	-	-	(Cum Vol = 36.31 bbl)
09/29/1997 12:37:04	-	-	-	-	-	Reset Volume
09/29/1997 12:38:00	44.29	14.37	340.1	83.12	1346E-9	

* Mark of Schlumberger

KANSAS CORP COMM

ORIGINAL



PRISM* V2.2 - Tabular Report

Cementing

Acquisition Time	CumVol	Density	Pressure U1	Pump1	Pump2	Messages
09/29/1997 12:39:00	9.661	13.96	321.8	83.88	.048	
09/29/1997 12:40:01	14.74	13.97	301.9	83.99	3209E-12	
09/29/1997 12:41:01	19.78	14.24	290.5	83.46	6677E-19	
09/29/1997 12:42:01	24.83	14.22	273.7	83.92	8359E-26	
09/29/1997 12:43:02	29.88	14.46	260	83.77	1097E-32	
09/29/1997 12:44:02	34.94	14.28	236.4	84.12	1406E-39	
09/29/1997 12:45:03	40.03	14.68	200.2	84.18	1803E-46	
09/29/1997 12:46:03	45.13	14.45	177.3	84.79	2311E-53	
09/29/1997 12:47:03	50.25	14.38	141.9	84.83	2962E-60	
09/29/1997 12:48:04	55.36	14.43	141.0	84.81	3736E-67	
09/29/1997 12:49:04	60.48	14.41	141.9	84.87	4866E-74	
09/29/1997 12:50:04	65.61	14.38	143	85.06	6377E-81	
09/29/1997 12:51:05	70.74	14.41	143.4	84.85	7995E-88	
09/29/1997 12:52:05	75.85	14.4	141.0	84.72	1023E-94	
09/29/1997 12:53:05	80.98	14.45	143.1	84.92	1314E-101	
09/29/1997 12:54:06	86.1	14.37	143	85	1E-100	
09/29/1997 12:55:06	91.19	14.56	148.4	84.32	1E-100	
09/29/1997 12:56:06	96.32	14.49	144.2	84.53	1E-100	
09/29/1997 12:57:07	101.4	14.19	138.8	84.94	1E-100	
09/29/1997 12:57:37	-	-	-	-	-	End Lead Shurry
09/29/1997 12:57:41	-	-	-	-	-	Start Mixing Tail Shurry
09/29/1997 12:57:45	-	-	-	-	-	(CumVol)=104.7bb
09/29/1997 12:57:45	-	-	-	-	-	Reset Volume
09/29/1997 12:58:07	1.78	16.89	198.9	83.88	1E-100	
09/29/1997 12:59:07	6.863	16.52	185.7	84.24	1E-100	
09/29/1997 13:00:08	11.92	16.75	200	83.58	1E-100	
09/29/1997 13:01:08	16.97	16.72	204	83.87	1E-100	
09/29/1997 13:01:34	-	-	-	-	-	End Tail Shurry
09/29/1997 13:02:08	20.88	17.07	29.14	1.726	1E-100	
09/29/1997 13:02:10	-	-	-	-	-	(CumVol)=20.88bb
09/29/1997 13:02:10	-	-	-	-	-	Reset Volume
09/29/1997 13:03:09	2.88E-5	17.1	44.09	228E-10	10.92	
09/29/1997 13:03:58	-	-	-	-	-	Remark
09/29/1997 13:04:09	2.761	12.61	46.54	83E-16	12.24	
09/29/1997 13:05:10	2.925	12.7	60.18	17.58	11.21	
09/29/1997 13:05:40	-	-	-	-	-	Drop Water Plug
09/29/1997 13:05:54	-	-	-	-	-	Start Displacement
09/29/1997 13:06:10	6.571	12.75	44.93	36.66	36.21	
09/29/1997 13:07:10	11.39	12.69	54.95	36.76	36.5	
09/29/1997 13:08:11	15.75	12.69	64.86	36.66	36.3	
09/29/1997 13:09:11	20.06	12.65	54.95	35.17	36.4	
09/29/1997 13:10:11	24.37	12.61	54.84	34.97	36.4	
09/29/1997 13:11:12	28.68	12.55	55.41	35.1	36.51	
09/29/1997 13:12:13	33	12.51	57.48	35.04	36.7	
09/29/1997 13:13:12	37.31	12.41	107.1	34.95	36.49	
09/29/1997 13:14:13	41.62	12.37	137.3	34.98	36.45	
09/29/1997 13:15:13	45.92	12.27	207.2	34.75	36.37	
09/29/1997 13:16:13	50.22	12.21	273.5	34.8	36.38	
09/29/1997 13:17:14	54.52	12.11	350.8	34.54	36.36	
09/29/1997 13:18:14	58.79	12.04	433.3	34.58	36.3	
09/29/1997 13:19:12	-	-	-	-	-	Lower Pump Rate
09/29/1997 13:19:13	63.05	12.02	473.4	34.88	37.04	
09/29/1997 13:20:15	65.23	11.94	479.7	34.48	4039E-9	
09/29/1997 13:21:13	67.31	11.87	512.3	34.48	5177E-16	
09/29/1997 13:22:16	69.39	11.84	553.9	34.29	6636E-23	
09/29/1997 13:23:16	71.46	11.81	584	34.26	8306E-30	
09/29/1997 13:24:16	73.1	10.98	922.2	3.608	109E-35	
09/29/1997 13:24:13	-	-	-	-	-	Pump Top Plug
09/29/1997 13:25:17	73.18	10.83	1187	8007E-9	1398E-43	
09/29/1997 13:25:17	-	-	-	-	-	Pressure Test Cease
09/29/1997 13:26:12	-	-	-	-	-	End Job
09/29/1997 13:26:17	73.18	10.86	36.89	1203E-5	1791E-30	
09/29/1997 13:26:45	-	-	-	-	-	STOP ACQUISITION

* Mark of Schlumberger

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KANSAS CORP COM

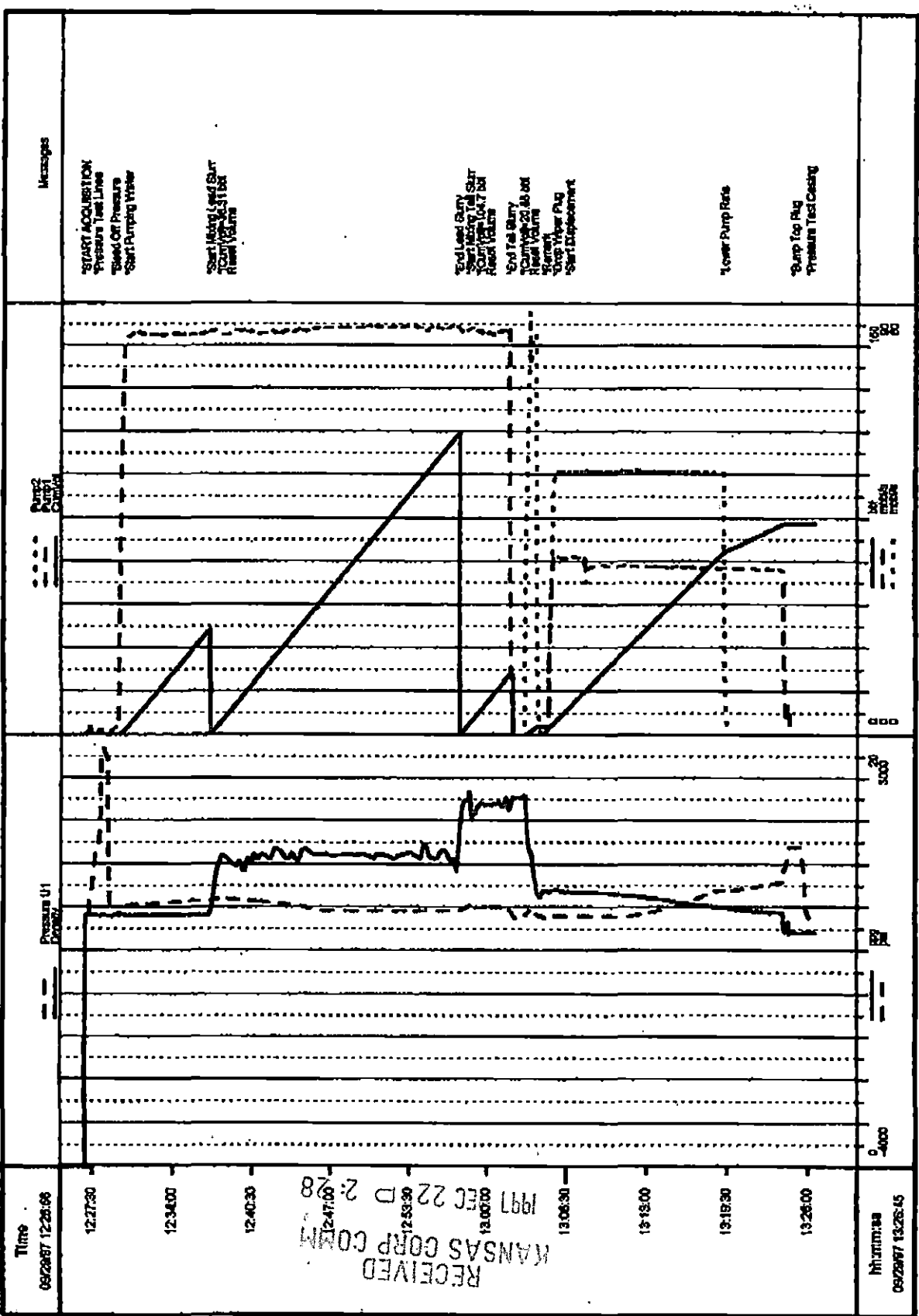
ORIGINAL

PRISM V2.2

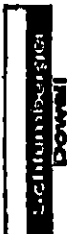
Cementing Job Report

Client MOBIL E & P US INC
SIR No. 2091-9599
Job Date 9/29/97 12:26:56 PM

Well MANN 2-4
Field HUGOTON
Country USA



RECEIVED
KANSAS CORP COM
12:47:00 2:28
12:53:30
13:00:00
1997
REC 22 D



* Mark of Schlumberger