

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  S1OW  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. \_\_\_\_\_

9-30-97 10-3-97 11-3-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 189-221580000

County Stevens

- - NW - NW Sec. 16 Twp. 33 Rge. 35 X W<sup>E</sup>

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

660 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 Salley #2 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2972 KB 2981

Total Depth 2925 PBTD 2878

Amount of Surface Pipe Set and Cemented at 633 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 7,000 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.

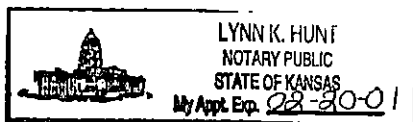
Signature Sharon A. Cook Sharon A. Cook

Title Regulatory Assistant Date 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  
7-108.kcc



RECEIVED  
12-22-97

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 Salley #2 Unit Well # 3  
 Sec. 16 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#	633	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2916	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	2710-30	Acid: 1,000 gals 7.5% HCL	
		Fraccd: 1st stage: 6,300 gals WF120 Divertafac 1,860 lbs 20/40 sand	
		2nd stage: 26,000 gals WF130 in 70q foam 53,325 lbs 16/30 sand 166,404 scf nitrogen	

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. 10-17-97	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
		286		

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled 2710  
 Other (Specify) 2730

Production Interval: 2710  
2730



# Cementing Service Report

15-189-22158

ORIGINAL

Customer: MOBIL OIL CORP V390500757A	Job Number: 20022134
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Well: SALLEY #2 UNIT 3		Location (legal): sec 16-33s-35w		Dowell Location: Ulysses, KS		Service Date: 10/1/97					
Field: HUGOTON		Formation Name/Type: Dolomite		Deviation: 0 °		Well MD: 2,920 ft					
County: Stevens		State/Province: KS		BHP: 0 psi		Well TVD: 2,920 ft					
Rig Name: NORSEMAN 2		Drilled For: Gas		Service Via: Land		Casing/Liner					
Water Depth:		Well Class: 101		Well Type: Development		Depth, ft: 2916					
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: 0					
Max. Allowed Tubing Pressure: 0 psi		Max. Allowed Ann. Pressure: 0 psi		WellHead Connection: Single cement head		Thread: 0					
<b>Service Instructions</b> Cement and equipment to safely cement 5 1/2 casing as per customer's request. Loc #62695 Acc Code 4903 I.D. JLLASITE Field Est. \$				Perforations/Open Hole		Top, ft: 0					
				Bottom, ft: 0		sprf: 0		No. of Shots: 0			
				Total Interval: 0 ft		Diameter: 0 in		Treat Down Casing: 0 ft		Displacement: 70 bbl	
				Packer Type: 0 ft		Packer Depth: 0 ft		Tubing Vol.: 0 bbl		Casing Vol.: 71.15 bbl	
				Annular Vol.: 0 bbl		Open Hole Vol.: 0 bbl		Casing Tools		Squeeze Job	
				Casing/Tubing Secured: <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing: <input checked="" type="checkbox"/>		Shoe Type: Guide		Squeeze Type:	
Lift Pressure: 560 psi		Pipe Rotated: <input type="checkbox"/>		Pipe Reciprocated: <input type="checkbox"/>		Shoe Depth: 2916 ft					
No. Centralizers: 10		Top Plugs: 1		Bottom Plugs: 0		Tool Type:					
Cement Head Type: Single		Stage Tool Type:		Tool Depth: 0 ft		Stage Tool Depth: 0 ft					
Job Scheduled For: 10/3/97 3:30		Arrived on Location: 10/3/97 3:30		Leave Location: 10/3/97 7:00		Collar Type: Auto-Fill					
						Collar Depth: 2870 ft					
						Sqz Total Vol: 0 bbl					
Time	CumVol	Density	Pressure U1	TotFlowrate	Message						
24 hr clock	bbl	ppg	psi	bpm							
4:52	0	0	0	0	START ACQUISITION						
4:52	0	-6.336	-3710	0							
4:52	0	0	0	0	Pressure Test Lines						
4:53	.321	8.576	1393	3774E-5							
4:53	0	0	0	0	Bleed Off Pressure						
4:53	0	0	0	0	[CumVol]=.3258 bbl						
4:53	0	0	0	0	Reset Volume						
4:54	7319E-10	8.53	-2.975	67E-9							
4:54	0	0	0	0	Start Pumping Water						
4:55	2.468	8.439	196.4	5.594							
4:55	7.632	8.518	202	5.61							
4:56	12.78	8.478	211.8	5.588							
4:57	17.94	8.512	213.3	5.592							
4:58	23.1	8.449	227.6	5.591							
4:59	28.26	8.56	295.7	5.591							
5:00	33.41	8.532	255	5.59							
5:00	0	0	0	0	[CumVol]=35.3 bbl						
5:00	0	0	0	0	Reset Volume						
5:01	0	0	0	0	Start Mixing Lead Slurry						
5:01	3.184	12.21	309.6	5.59							
5:02	8.338	11.34	278.4	5.583							

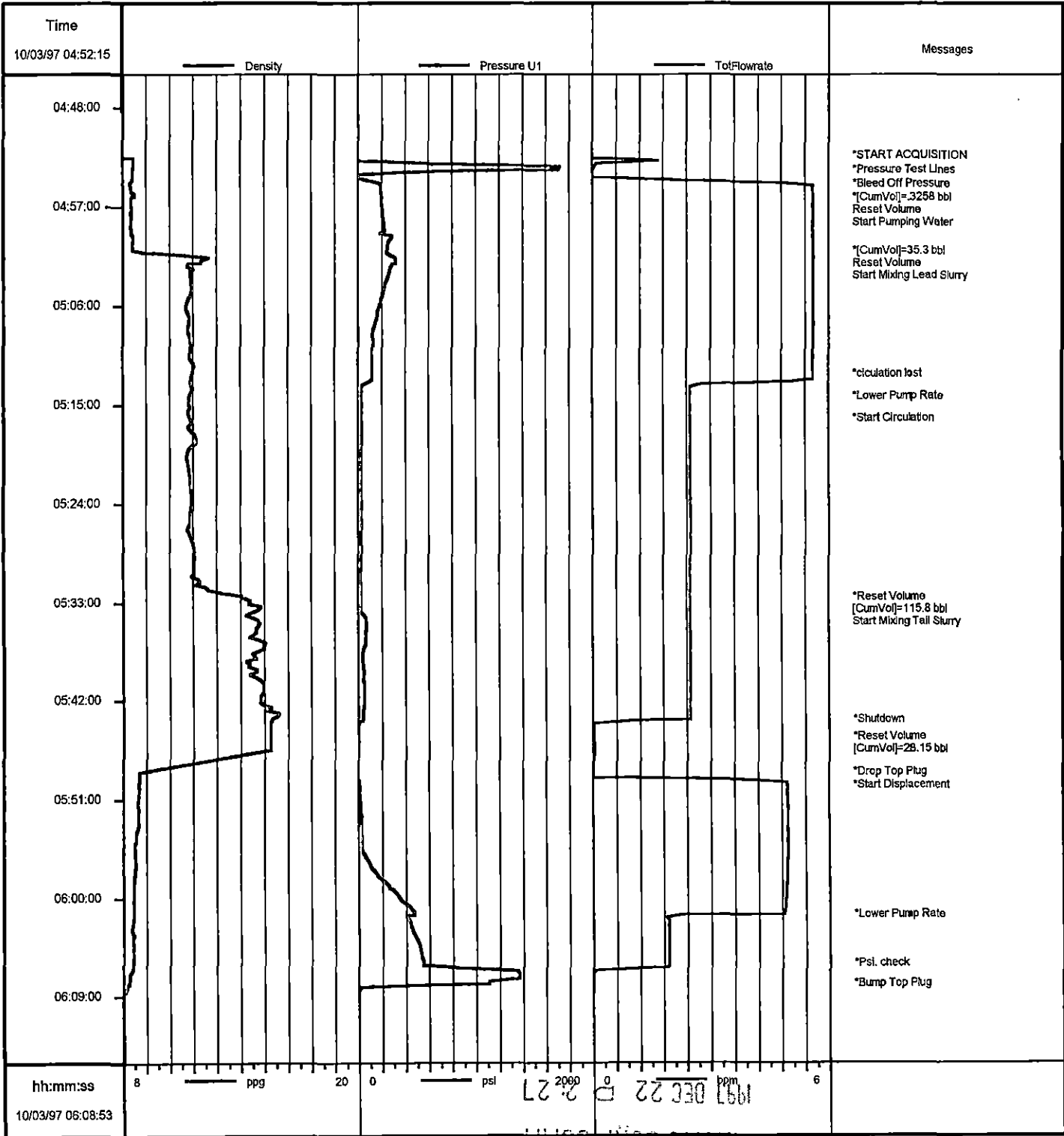
Well		Field			Service Date		Customer		Job Number
SALLEY #2 UNIT #3		HUGOTON			10/1/97		MOBIL OIL CORP V39050075		20022134
Time	CumVol	Density	Pressure U1	TotFlowrate				Message	
24 hr clock	bbl	ppg	psi	bpm					
5:03	13.5	11.51	252.8	5.592	0	0	0		
5:04	18.66	11.53	225.5	5.592	0	0	0		
5:05	23.81	11.45	206.2	5.593	0	0	0		
5:06	28.98	11.26	179	5.592	0	0	0		
5:07	34.13	11.43	162.9	5.592	0	0	0	ORIGINAL	
5:07	39.29	11.38	134.2	5.592	0	0	0		
5:08	44.45	11.47	126.6	5.592	0	0	0		
5:09	49.6	11.5	127.8	5.592	0	0	0		
5:10	54.76	11.49	124.3	5.594	0	0	0		
5:11	59.92	11.64	127.8	5.593	0	0	0		
5:12	0	0	0	0	0	0	0	Circulation lost	
5:12	65.07	11.53	123.9	5.591	0	0	0		
5:13	68.76	11.56	30.93	2.472	0	0	0		
5:14	0	0	0	0	0	0	0	Lower Pump Rate	
5:14	71.04	11.41	31.7	2.474	0	0	0		
5:15	0	0	0	0	0	0	0	Start Circulation	
5:15	73.33	11.45	33.3	2.473	0	0	0		
5:16	75.61	11.5	34.94	2.474	0	0	0		
5:17	77.9	11.45	34.85	2.481	0	0	0		
5:18	80.18	11.78	33.18	2.48	0	0	0		
5:19	82.47	11.39	30.96	2.474	0	0	0		
5:19	84.76	11.32	27.1	2.481	0	0	0		
5:20	87.04	11.4	28.02	2.48	0	0	0		
5:21	89.33	11.47	31.04	2.481	0	0	0		
5:22	91.61	11.52	28.16	2.481	0	0	0		
5:23	93.9	11.53	28.41	2.481	0	0	0		
5:24	96.19	11.5	29.61	2.474	0	0	0		
5:25	98.47	11.47	31.2	2.473	0	0	0		
5:26	100.8	11.39	27.82	2.475	0	0	0		
5:27	103	11.55	27.39	2.482	0	0	0		
5:28	105.3	11.66	31.42	2.473	0	0	0		
5:29	107.6	11.7	30.71	2.471	0	0	0		
5:30	109.9	11.7	27.04	2.474	0	0	0		
5:31	112.2	11.98	25.75	2.474	0	0	0		
5:31	114.5	12.7	20.89	2.482	0	0	0		
5:32	0	0	0	0	0	0	0	Reset Volume	
5:32	0	0	0	0	0	0	0	[(CumVol)]=115.8 bbl	
5:32	0	0	0	0	0	0	0	Start Mixing Tail Slurry	
5:32	.8725	14.55	26.07	2.48	0	0	0		
5:33	3.155	14.68	29.23	2.479	0	0	0		
5:34	5.445	15.04	72.41	2.474	0	0	0		
5:35	7.729	14.86	70.28	2.474	0	0	0		
5:36	10.01	15.29	71.04	2.481	0	0	0		
5:37	12.3	14.77	41.62	2.474	0	0	0		
5:38	14.59	14.34	39.62	2.471	0	0	0		
5:39	16.87	14.92	49.3	2.48	0	0	0		
5:40	19.16	15.11	52.41	2.474	0	0	0		
5:41	21.44	15.19	52.67	2.474	0	0	0		
5:42	23.73	15.04	52.05	2.481	0	0	0		
5:43	26.01	15.88	40.74	2.481	0	0	0		
5:43	0	0	0	0	0	0	0	Shutdown	
5:43	28.12	15.53	6.262	.5834	0	0	0	Reset Volume	
5:44	0	0	0	0	0	0	0		

Well		Field			Service Date	Customer		Job Number
SALLEY #2 UNIT #3		HUGOTON			10/1/97	MOBIL OIL CORP V39050075		20022134
Time	CumVol	Density	Pressure U1	TotFlowRate				Message
24 hr clock	bbbl	ppg	psi	bpm				
5:44	0	0	0	0	0	0	0	[CumVol]=28.15 bbl
5:48	2642E-7	8.862	-18.63	9082E-11	0	0	0	
5:48	0	0	0	0	0	0	0	Drop Top Plug
5:48	0	0	0	0	0	0	0	Start Displacement
5:49	1.27	8.843	11.53	4.838	0	0	0	
5:50	5.8	8.838	10.62	4.936	0	0	0	
5:51	10.34	8.791	21.41	4.943	0	0	0	
5:52	14.88	8.813	24.9	4.949	0	0	0	
5:53	19.42	8.815	28.51	4.947	0	0	0	
5:53	23.97	8.723	30.5	4.946	0	0	0	
5:54	28.51	8.63	33.05	4.945	0	0	0	
5:55	33.05	8.654	37.75	4.941	0	0	0	
5:56	37.59	8.673	92.3	4.931	0	0	0	
5:57	42.12	8.651	146	4.924	0	0	0	
5:58	46.71	8.594	242.2	4.918	0	0	0	
5:59	51.22	8.573	324.1	4.896	0	0	0	
6:00	55.72	8.589	390.5	4.874	0	0	0	
6:01	60.21	8.593	452.9	4.575	0	0	0	
6:01	0	0	0	0	0	0	0	Lower Pump Rate
6:02	62.24	8.531	444.4	1.912	0	0	0	
6:03	64.03	8.54	476.1	1.921	0	0	0	
6:04	65.8	8.555	513.3	1.911	0	0	0	
6:05	67.57	8.537	532.2	1.918	0	0	0	
6:05	0	0	0	0	0	0	0	Psi. check
6:06	69.34	8.584	551.9	1.908	0	0	0	
6:06	0	0	0	0	0	0	0	Bump Top Plug
6:06	70.12	8.408	1374	263E-6	0	0	0	
6:07	0	0	0	0	0	0	0	Bleed Off Pressure
6:07	70.12	8.281	813.3	1265E-13	0	0	0	
6:08	0	0	0	0	0	0	0	End Job
6:08	70.12	8.106	1.892	6085E-20	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	
3.5	0	0	5.7	144	0	35	0	
Treating Pressure Summary, psi				Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
560	1360	50	0	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		bbl 0 ft		
0 %	0 bbl	70.1 bbl						
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Larry Love			Charley King					

1997 DEC 22 2:27

RECEIVED  
KANSAS CORP COMM

Well	Salley 2-3	ORIGINAL	Client	Mobil
Field	Hugoton		SIR No.	20022134
Country	USA		Job Date	10/3/97 4:52:15 AM



Job: mobil  
10/03/1997 06:16

\* Mark of Schlumberger

RECEIVED  
M&SAS CORP CORN

Schlumberger  
Dowell

# Cementing Service Report

ORIGINAL

Customer: MOBIL OIL CORP V390500757A  
Job Number: 20022119

Well <b>SALLEY #2 UNIT 3</b>		Location (legal)		Dowell Location <b>Ulysses, KS</b>		Service Date <b>9/30/97</b>	
Field <b>HUGOTON</b>		Formation Name/Type <b>SURFACE</b>		Deviation <b>0</b>	Bit Size <b>12.3 in</b>	Well MD <b>640 ft</b>	Well TVD <b>640 ft</b>
County <b>Stevens</b>		State/Province <b>KS</b>		BHP <b>0 psi</b>	BHST <b>70 °F</b>	BHCT <b>70 °F</b>	Pore Press. Gradient <b>0 psi/ft</b>
Rig Name	Drilled For <b>Gas</b>	Service Via <b>Land</b>		Casing/Liner			
Water Depth	Well Class <b>101</b>	Well Type <b>Development</b>		Depth, ft	Size, in	Weight, lb/ft	Grade
Drilling Fluid Type <b>Bentonite</b>	Max. Density <b>8.8 lb/gal</b>	Plastic Viscosity <b>20 cp</b>		Depth, ft	Size, in	Weight, lb/ft	Grade
Service Line <b>Cementing</b>	Job Type <b>Cem Surface Casing</b>		Wellhead Connection <b>CEMENT HEAD</b>	Depth, ft	Size, in	Weight, lb/ft	Grade
Max. Allowed Tubing Pressure <b>0 psi</b>	Max. Allowed Ann. Pressure <b>0 psi</b>	Wellhead Connection <b>CEMENT HEAD</b>		Perforations/Open Hole			
Service Instructions <b>CEMENT 8 5/8 CASING AS INSTRUCTED USING EQUIPMENT AND MATERIALS LISTED ON INVOICE</b>				Top, ft	Bottom, ft	spf	No. of Shots
				0	0	0	0
				0	0	0	0
				0	0	0	0
				Treat Down <b>Casing</b>	Displacement <b>37.58 bbl</b>	Packer Type	Packer Depth <b>0 ft</b>
				Tubing Vol. <b>0 bbl</b>	Casing Vol. <b>37.58 bbl</b>	Annular Vol. <b>46 bbl</b>	Open Hole Vol. <b>1 bbl</b>
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>			Casing Tools		Squeeze Job	
Lift Pressure: <b>260 psi</b>	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Type: <b>Guide</b>	Squeeze Type		
No. Controllers: <b>5</b>	Top Plugs: <b>1</b>	Bottom Plugs: <b>0</b>		Shoe Depth: <b>633 ft</b>	Tool Type:		
Cement Head Type: <b>Single</b>	Job Scheduled For: <b>9/30/97 22:30</b>	Arrived on Location:	Leave Location:	Stage Tool Type	Tool Depth: <b>0 ft</b>		
Job Scheduled For: <b>9/30/97 22:30</b>	Arrived on Location:	Leave Location:		Stage Tool Depth: <b>0 ft</b>	Tail Pipe Size: <b>0 in</b>		
Job Scheduled For: <b>9/30/97 22:30</b>	Arrived on Location:	Leave Location:		Collar Type: <b>INSERT</b>	Tail Pipe Depth: <b>0 ft</b>		
Job Scheduled For: <b>9/30/97 22:30</b>	Arrived on Location:	Leave Location:		Collar Depth: <b>590 ft</b>	Sqz Total Vol: <b>0 bbl</b>		
Time <b>24 hr clock</b>	Fluid Type	Fluid Density <b>lb/gal</b>	Rates CO <sub>2</sub> /N <sub>2</sub> Fluid <b>bpm bpm</b>		Volumes Incr. Cum. <b>bbl bbl</b>		Pressures Casing Tubing <b>psi psi</b>
							Message
Post Job Summary							
Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N <sub>2</sub>	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N <sub>2</sub>
3	0	0	5	170	0	25	0
Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
249	249	100	0	620		0 bbl	8.34 lb/gal
Avg. N <sub>2</sub> Percent <b>0 %</b>	Designed Slurry Volume <b>0 bbl</b>		Displacement <b>37.5 bbl</b>		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To <b>0 ft</b>		
Customer or Authorized Representative <b>LARRY LOVE</b>			Dowell Supervisor <b>M.R.HARVEY</b>		<input type="checkbox"/> Circulation Lost	<input checked="" type="checkbox"/> Job Completed	

1997 DEC 22 2:27  
RECEIVED  
KANSAS CORP COMM

CEMENTING SERVICE REPORT

Schlumberger  
Dowell

TREATMENT NUMBER 2002-119  
DATE 9-30-97  
DISTRICT 11558

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. SALLEY A 2-3  
LOCATION (LEGAL) NOYSMAN A 2  
FIELD-POOL Hagonan  
FORMATION Surface  
COUNTY/PARISH Silsbee  
STATE KANSAS  
API. NO.  
NAME Mobil E+P US INC  
AND  
ADDRESS  
ZIP CODE

SPECIAL INSTRUCTIONS Cement 8 5/8 casing  
As instructed  
ORIGINAL

IS CASING/TUBING SECURED? YES NO  
LIFT PRESSURE 260 PSI  
PRESSURE LIMIT 500 PSI  
ROTATE RPM RECIPROCAT FT No. of Centralizers 5

Table with columns: TIME, PRESSURE (TBG OR D.P., CASING), VOLUME PUMPED (INCREMENT, CUM), JOB SCHEDULED FOR TIME, DATE, ARRIVE ON LOCATION TIME, DATE, LEFT LOCATION TIME, DATE. Includes handwritten data for pressure and volume, and a detailed SERVICE LOG DETAIL with notes like 'PRE-JOB SAFETY MEETING', 'PRESSURE TEST TO 1600 PSI', 'PUMP WATER', etc.

REMARKS

COMPOSITION OF CEMENTING SYSTEMS table with columns: SYSTEM CODE, NO. OF SACKS, YIELD CU. FT/SK, COMPOSITION OF CEMENTING SYSTEMS, SLURRY MIXED BBLs, DENSITY. Includes handwritten notes like '50/50 Pac C w/ 6% Grt 3% S-1 5% DM (Cement) Water'.

BREAKDOWN FLUID TYPE, VOLUME, DENSITY, PRESSURE, MAX, MIN. Includes checkboxes for HESITATION SQ., RUNNING SQ., CIRCULATION LOST, etc. CUSTOMER REPRESENTATIVE: Larry Loue, SUPERVISOR: M. J. ...



## 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

15-189-22158

MOBIL OIL CO  
 MRLARRY LOVE  
 SALLEY 2-3  
 HUGOTON

NORSMAN #2

ULYSSES  
 M.R.HARVEY  
 315-356-1272  
 1 JAB/Hybrid RDA - 1 Cement  
 Unit

Start Date  
 End Date  
 SIR Number  
 Description

10/01/1997 00:04:20  
 10/01/1997 00:49:12  
 2002-2119  
 SURFACE

## Channels Description

Channel	Description	Minimum	Maximum	Unit
Acquisition Time	Acquisition time	10/01/1997 00:04:20	10/01/1997 00:49:06	
CumVol	Cumulative Volume	0	107.1	bbbl
Density	Micromotion DS300S NRD 0 to 25 ppg	-6.25	15.43	ppg
Pressure U1	Viatran 500 Pressure Transducer 4-20mA 0-15 kpsi	-3750	1903	psi
TotFlowrate	Total Flowrate	0	5.587	bpm

## Acquisition Data

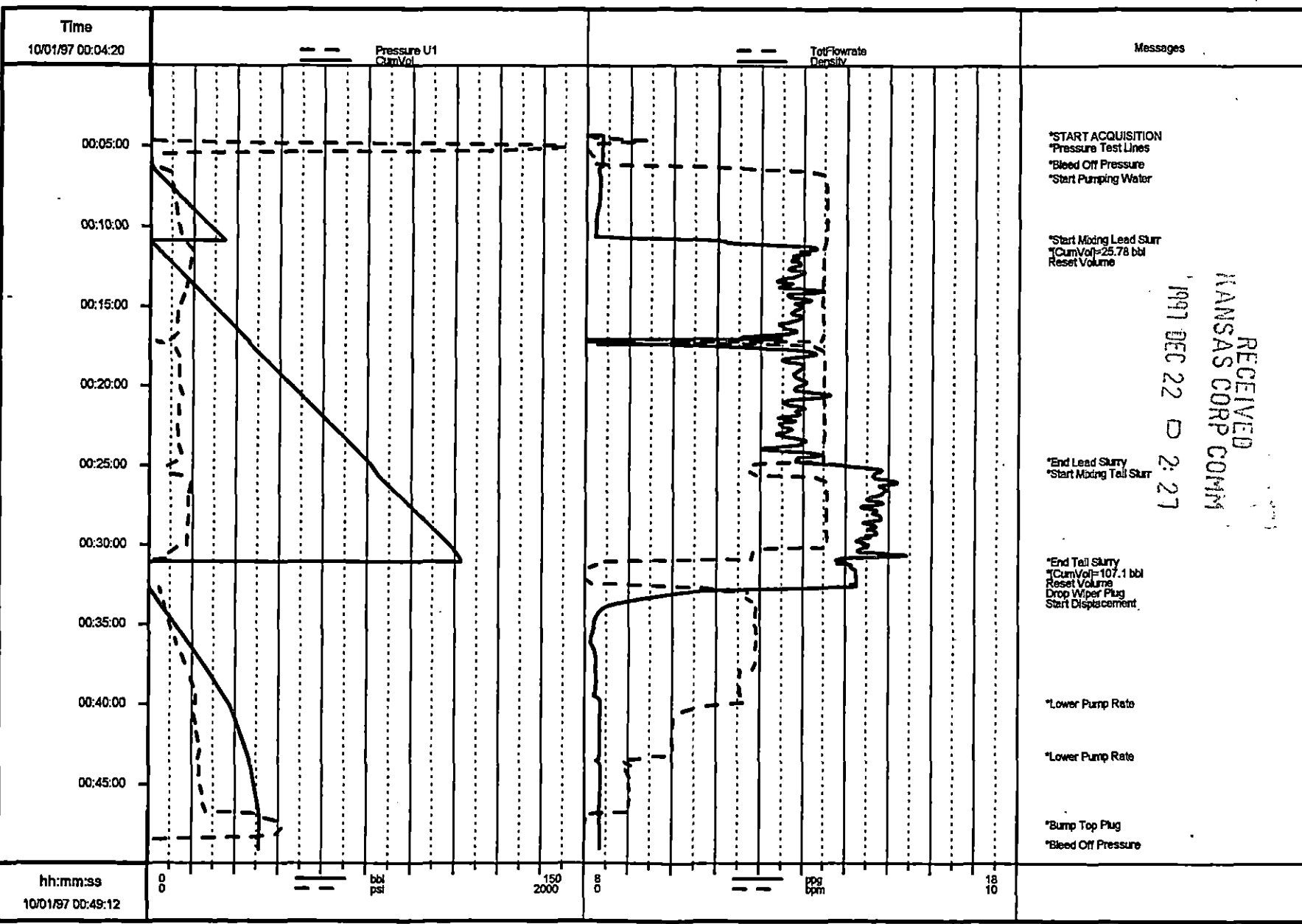
Acquisition Time	CumVol	Density	Pressure U1	TotFlowrate	Messages
10/01/1997 00:04:20	-	-	-	-	START ACQUISITION
10/01/1997 00:04:20	0	-6.25	-3750	0	
10/01/1997 00:04:23	-	-	-	-	Pressure Test Lines
10/01/1997 00:05:20	.3687	8.364	1116	1887E-7	
10/01/1997 00:05:27	-	-	-	-	Bleed Off Pressure
10/01/1997 00:05:42	-	-	-	-	Start Pumping Water
10/01/1997 00:06:21	.8715	8.308	38.84	3.256	
10/01/1997 00:07:21	6.109	8.327	105.3	5.547	
10/01/1997 00:08:21	11.69	8.306	118.2	5.559	
10/01/1997 00:09:22	17.29	8.239	126.5	5.564	
10/01/1997 00:10:22	22.88	8.21	138.8	5.545	
10/01/1997 00:10:47	-	-	-	-	Start Mixing Lead Slurry
10/01/1997 00:10:54	-	-	-	-	[CumVol]=25.78 bbl
10/01/1997 00:10:54	-	-	-	-	Reset Volume
10/01/1997 00:11:23	2.579	13.3	202.1	5.48	
10/01/1997 00:12:23	8.094	12.91	190.5	5.474	
10/01/1997 00:13:23	13.6	12.38	173.2	5.48	
10/01/1997 00:14:24	19.1	12.69	156.9	5.474	
10/01/1997 00:15:24	24.6	12.71	141.6	5.468	
10/01/1997 00:16:25	30.11	12.63	127.8	5.468	

ORIGINAL

Acquisition Time	CumVol	Density	Pressure UI	TotFlowrate	Messages
10/01/1997 00:17:25	35.1	10.3	81.28	4.879	
10/01/1997 00:18:25	40.58	12.52	129.8	5.507	
10/01/1997 00:19:26	46.12	12.82	137.2	5.494	
10/01/1997 00:20:26	51.65	13.36	144.5	5.484	
10/01/1997 00:21:27	57.19	12.97	139.3	5.513	
10/01/1997 00:22:27	62.73	12.49	132.5	5.516	
10/01/1997 00:23:27	68.28	13.08	144.3	5.493	
10/01/1997 00:24:28	73.82	13.04	150.6	5.501	
10/01/1997 00:24:43	-	-	-	-	End Lead Slurry
10/01/1997 00:24:48	-	-	-	-	Start Mixing Tail Slurry
10/01/1997 00:25:28	78.23	14.7	99.19	3.767	
10/01/1997 00:26:29	83.49	14.94	188.1	5.569	
10/01/1997 00:27:29	89.09	14.64	185.8	5.566	
10/01/1997 00:28:29	94.7	14.61	183.7	5.577	
10/01/1997 00:29:30	100.3	14.57	175.4	5.56	
10/01/1997 00:30:30	105.4	14.69	93.92	3.829	
10/01/1997 00:31:00	-	-	-	-	End Tail Slurry
10/01/1997 00:31:06	-	-	-	-	[CumVol]=107.1 bbl
10/01/1997 00:31:06	-	-	-	-	Reset Volume
10/01/1997 00:31:13	-	-	-	-	Drop Wiper Plug
10/01/1997 00:31:17	-	-	-	-	Start Displacement
10/01/1997 00:31:31	8635E-5	14.21	.3428	3925E-5	
10/01/1997 00:32:31	1581	14.2	14.13	1.224	
10/01/1997 00:33:31	3.398	9.036	64.93	3.743	
10/01/1997 00:34:32	7.325	8.273	88.79	3.911	
10/01/1997 00:35:32	11.25	8.18	113.8	3.914	
10/01/1997 00:36:32	15.19	8.211	140.1	3.899	
10/01/1997 00:37:33	19.12	8.257	171.6	3.905	
10/01/1997 00:38:33	22.78	8.264	196.7	3.542	
10/01/1997 00:39:34	26.35	8.291	221.7	3.627	
10/01/1997 00:39:54	-	-	-	-	Lower Pump Rate
10/01/1997 00:40:34	29.32	8.364	208.4	2.091	
10/01/1997 00:41:34	31.37	8.364	219.7	2.019	
10/01/1997 00:42:35	33.4	8.358	234.3	2.014	
10/01/1997 00:43:11	-	-	-	-	Lower Pump Rate
10/01/1997 00:43:35	35.14	8.317	228.3	.9657	
10/01/1997 00:44:36	36.15	8.361	234.9	1.015	
10/01/1997 00:45:36	37.17	8.356	248.4	1.016	
10/01/1997 00:46:36	38.2	8.336	254.2	1.015	
10/01/1997 00:47:30	-	-	-	-	Bump Top Plug
10/01/1997 00:47:37	38.43	8.36	618.5	8893E-7	
10/01/1997 00:48:37	38.43	8.361	5.498	7216E-7	
10/01/1997 00:48:44	-	-	-	-	Bleed Off Pressure
10/01/1997 00:48:57	-	-	-	-	End Job
10/01/1997 00:49:12	-	-	-	-	STOP ACQUISITION

RECEIVED  
KANSAS CORP COMM  
1997 DEC 22 2:27

Well	SALLEY 2-3	Client	MOBIL OIL CO
Field	HUGOTON	SIR No.	2002-2119
Country	USA	Job Date	10/1/97 12:04:20 AM



ORIGINAL

Job: mobdep

10/01/1997 00:51

\* Mark of Schlumberger