

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 S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:
 Operator: _____
 Well Name: 12-16-97 DEC 10 1997
 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. _____
9-4-97 9-7-97 10-3-97
 Spud Date Date Reached TD Completion Date

API NO. 15- 189-222150000
 County Stevens
- SE - NW - NE Sec. 36 Twp. 33 Rge. 36 X W
1250 Feet from S/N (circle one) Line of Section
1411 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 Fulkerson Unit Well # 3
 Field Name Hugoton
 Producing Formation Chase
 Elevation: Ground 3013 KB 3020
 Total Depth 2886 PBTB 2832
 Amount of Surface Pipe Set and Cemented at 729 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, 4-28-98
 (Data must be collected from the Reserve Pit)
 Chloride content 30,000 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. _____

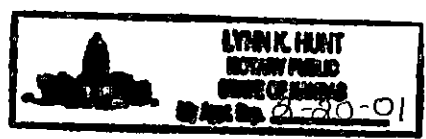
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 CONSERVATION DIVISION
 WICHITA, KS

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 Lynnk K. Hunt
 Date Commission Expires February 20, 2001
 7-97.kcc

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)



SIDE TWO

1110190

Operator Name Mobil Oil Corporation Lease Name Fulkerson Unit Well # 3

Sec. 36 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 (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 Name Top Datum
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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#	729	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2874	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	2715-2730	Acid: 1,000 gals 7.5% HCL	
		Fract: 23,000 gals WF130 in 80q foam	
		60,740 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. 9-25-97	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 263	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 _____ 2730 _____

TAMM INDUSTRIES
 10000 10th St
 Dallas, TX 75243
 972-443-8800

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 20011189 DATE: 9-7-97
STAGE: DS DISTRICT: Ulysses, KS

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

WELL NAME AND NO.: Fulkerson #3 LOCATION (LEGAL): Sec 36-33s-36w
FIELD-POOL: Hooton FORMATION:
COUNTY/PARISH: Stevens STATE: KS API. NO.:
NAME: Mobil Oil Corp. ADDRESS:
AND: ORIGINAL
ZIP CODE:

RIG NAME: Nopsman #4
WELL DATA: BIT SIZE: 5 1/2 CSG/Liner Size: 5 1/2
TOTAL DEPTH: 2874 WEIGHT: 14
 ROT CABLE FOOTAGE: 2874
MUD TYPE: GRADE: USS50
 BHST THREAD: 820
 BHCT LESS FOOTAGE SHOE JOINT(S): 47
MUD DENSITY: 14.8 MUD VISC.: 68.9
NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS:
IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE: 1695 PSI CASING WEIGHT - SURFACE AREA (3.14 x R²):
PRESSURE LIMIT: PSI BUMP PLUG TO: 1207 PSI
ROTATE: RPM RECIPROCATE FT No. of Centralizers

Float: TYPE: Insert Float Valve DEPTH: 2827
SHOE: TYPE: cmt nose DEPTH: 2874
SQUEEZE JOB: TBG D.P.
 Double SIZE: TOOL TYPE: DEPTH:
 Single WEIGHT
 Swage GRADE TAIL PIPE: SIZE DEPTH:
 Knockoff THREAD TUBING VOLUME Bbbls
TOP R W NEW USED CASING VOL. BELOW TOOL Bbbls
BOT R W DEPTH TOTAL Bbbls
ANNUAL VOLUME Bbbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: 1700 DATE: 9-7			ARRIVE ON LOCATION TIME: 1700 DATE: 9-7		LEFT LOCATION TIME: 2130 DATE: 9-7	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
1930	200							PRE-JOB SAFETY MEETING 2 PSI test lines			
1931	200		25		5.4	H2O		START H2O ahead			
1932	190		4		5.4	H2O		PSI check			
1935	180		110		5.6	CMT	11.5	START LOAD CMT.			
1943	80		44		5.7	CMT	11.3	PSI check			
1952	80		95		5.7	CMT	11.6	PSI check			
1957	100		24		5.6	CMT	14.8	START TAIL CMT.			
1959	153		15		5.6	CMT	14.8	PSI check			
2001	0							SHUTDOWN			
2005	0		68.9		5.7	H2O		START displacement			
2011	90		30		5.7	H2O		PSI check			
2014	260		50		5.6			PSI check			
2016	426		60		2			lower rate			
2019	410		65		2			PSI check			
2020	440		68		2			PSI check			
2022	1207		69		2			bump top plug			
2023								bleed psi at check float holding PHO job			

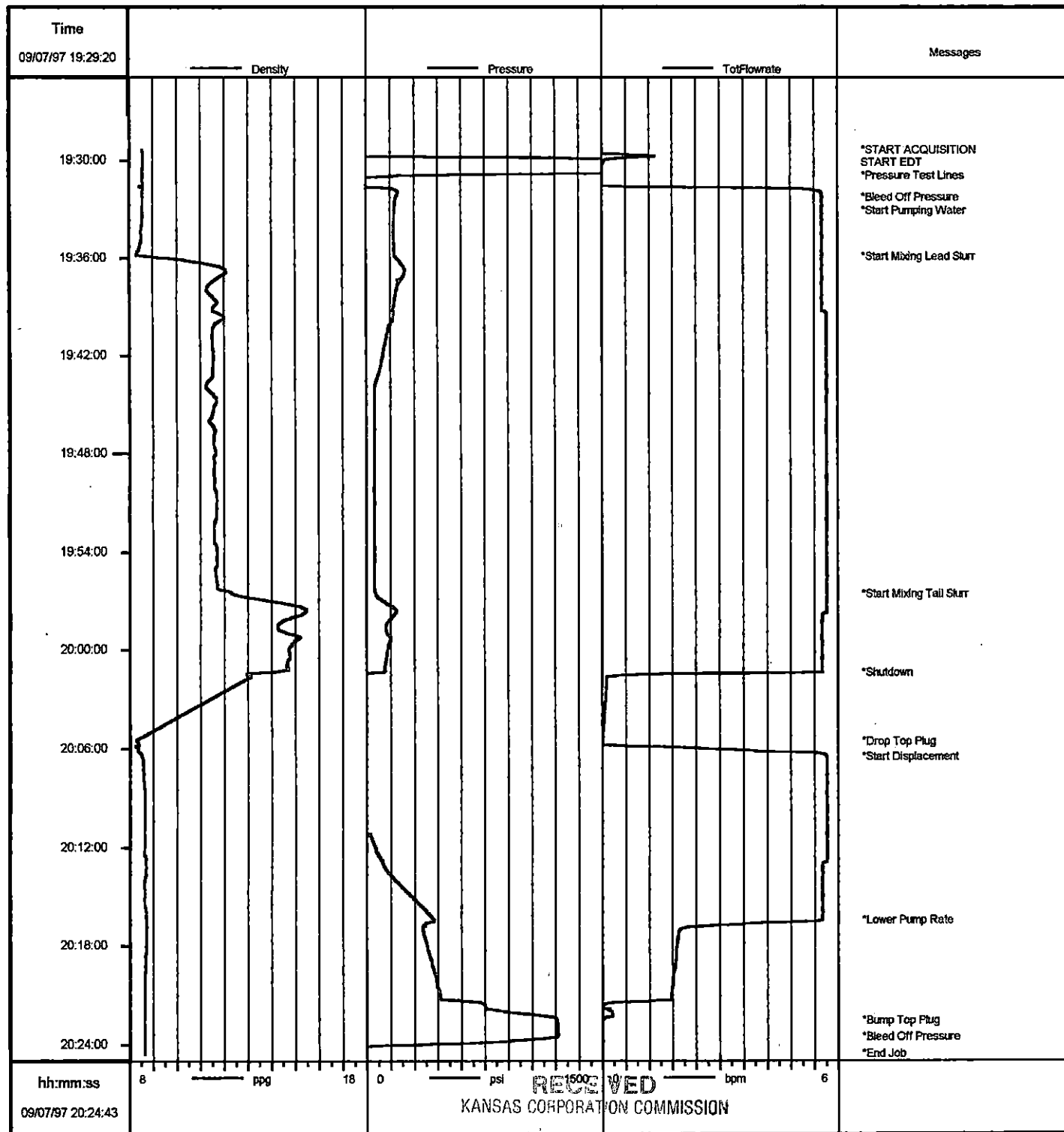
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REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	225	2.75	class C + 3% D79 + .2% D46 + 1/4" D29				110	11.5
2.								
3.	100	1.37	class C + 2% B28 + 2% carl + .6% D60 + .2% D46 + 1/4" D29				24.4	14.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO
Cement Circulated To Surf. YES NO Bbbls
BREAKDOWN: PSI FINAL: 68.9 Bbbls
Washed Thru Perfs: YES NO TO: FT. MEASURED DISPLACEMENT: WIRELINE
PERFORATIONS: TO TO: CUSTOMER REPRESENTATIVE: MARVIN HARVEY DS SUPERVISOR: James Esquivel

Well	FULKERSON #3	Client	MOBIL OIL CORP.
Field	HUGOTON	SIR No.	20017189
Country	USA	Job Date	9/7/97 7:29:20 PM



Job: mobil7189

09/07/1997 20:29

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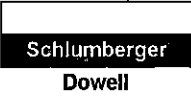
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ORIGINAL

CONSERVATION DIVISION
WICHITA, KS

15-189-22215
Cementing Service Report

ORIGINAL



Customer MOBIL OIL CORP V390500757A	Job Number 20017188
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Well FULKERSON UNIT 3		Location (legal) 36, 33S, 36W		Dowell Location Ulysses, KS		Service Date 8/29/97					
Field HUGOTON		Formation Name/Type Dirty-Sandstone		Deviation 0 °		Bit Size 12.3 in	Well MD 740 ft	Well TVD 740 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 730	Size, in 8.625	Weight, lb/ft 24	Grade	Thread			
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	Weight, lb/ft	Grade	Thread				
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 surface casing as per customer's request Acct code:4903 Loc. # 62710 I.D. Field est \$5125.65				Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0	Total Interval 0 ft			
				Diameter	0 in	Treat Down Casing	Displacement 43.8 bbl	Packer Type	Packer Depth 0 ft		
				Tubing Vol. 0 bbl	Casing Vol. 46.5 bbl	Annular Vol. 0 bbl	Open Hole Vol 0 bbl				
				Casing/Tubing Secured <input type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>	Casing Tools		Squeeze Job			
				Lift Pressure: 330 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Type: Guide	Squeeze Type			
No. Centralizers: 4	Top Plugs: 1	Bottom Plugs: 0	Shoe Depth: 730 ft	Tool Type:							
Cement Head Type: Single	Job Scheduled For: 9/5/97 6:30	Arrived on Location: 9/5/97 6:30	Leave Location:	Stage Tool Type	Tool Depth: 0 ft						
Stage Tool Depth: 0 ft	Collar Type: Other	Collar Depth: 688 ft	Tail Pipe Size: 0 in	Tail Pipe Depth: 0 ft							
Sqz Total Vol: 0 bbl	Time	CumVol	Density	Pressure UI	TotFlowrate	Message					
24 hr clock	bbl	ppg	psi	bpm							
8:12	0	0	0	0	0	START ACQUISITION					
8:12	0	8.356	4.577	0	0						
8:12	0	0	0	0	0	Pressure Test Lines					
8:13	.1607	8.356	15.27	.6888	0						
8:13	0	0	0	0	0	Bleed Off Pressure					
8:13	.317	8.356	1387	8356E-8	0						
8:14	.3241	8.315	4.6	7765E-5	0						
8:15	.3584	8.35	6629E-7	.0578	0						
8:16	.4162	8.347	.1876	8932E-5	0						
8:16	0	0	0	0	0	[CumVol]=.4484 bbl					
8:16	0	0	0	0	0	Reset Volume					
8:16	0	0	0	0	0	Start Pumping Water					
8:16	.1478	8.32	18.73	1.527	0						
8:17	4.569	8.209	82.36	6.24	0						
8:18	9.255	8.242	89.17	6.199	0						
8:19	14.01	8.259	95.77	6.158	0						
8:19	18.73	8.247	101.2	6.123	0						
8:20	23.43	8.249	110.5	6.095	0						
8:21	0	0	0	0	0	Reset Volume					
8:21	0	0	0	0	0	[CumVol]=26.28 bbl					
8:21	0	0	0	0	0	Start Mixing Lead Slurry					

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Well		Field			Service Date	Customer		Job Number
FULKERSON UNIT #3		HUGOTON			8/29/97	MOBIL OIL CORP V39050079		20017188
Time	CumVol	Density	Pressure U ₁	TotFlowrate				Message
24 hr clock	bbl	ppg	psi	bpm				
8:21	1.625	9.773	113.8	6.067	0	0	0	
8:22	6.278	13.29	175.1	6.04	0	0	0	ORIGINAL
8:22	10.83	12.38	144.2	6.043	0	0	0	
8:23	15.49	13.1	144.5	6.074	0	0	0	
8:24	20.17	12.74	128.9	6.087	0	0	0	
8:25	24.86	13.44	132.1	6.09	0	0	0	
8:26	29.54	12.7	114.6	6.103	0	0	0	
8:26	34.22	13	113	6.091	0	0	0	
8:27	38.58	13.73	74.61	4.588	0	0	0	
8:28	42.74	13.01	122.5	6.091	0	0	0	
8:29	47.39	12.46	106.1	6.045	0	0	0	
8:29	52.03	12.75	113	6.04	0	0	0	
8:30	56.67	12.75	112.1	6.033	0	0	0	
8:31	61.3	13.46	127.7	6.034	0	0	0	
8:32	65.94	12.69	114.3	6.028	0	0	0	
8:32	70.57	12.71	109	6.018	0	0	0	
8:33	75.11	12.57	108.7	6.009	0	0	0	
8:34	79.73	12.95	114.7	6.015	0	0	0	
8:34	0	0	0	0	0	0	0	Reset Volume
8:34	0	0	0	0	0	0	0	[CumVol]=81.42 bbl
8:34	0	0	0	0	0	0	0	Start Mixing Tail Slurry
8:35	1.96	14.66	74.14	4.49	0	0	0	
8:36	5.545	14.88	137.8	5.81	0	0	0	
8:36	10.16	14.56	146.8	6.01	0	0	0	
8:37	14.78	14.49	147.4	6.015	0	0	0	
8:38	19.4	14.75	152.6	6.019	0	0	0	
8:39	23.93	14.62	149	6.003	0	0	0	
8:39	28.56	14.6	150.4	6.022	0	0	0	
8:40	33.19	14.53	150.3	6.032	0	0	0	
8:41	37.44	12.06	47.01	2.308	0	0	0	
8:41	0	0	0	0	0	0	0	Shutdown
8:41	0	0	0	0	0	0	0	Drop Top Plug
8:41	0	0	0	0	0	0	0	Start Displacement
8:41	0	0	0	0	0	0	0	[CumVol]=37.65 bbl
8:41	0	0	0	0	0	0	0	Reset Volume
8:42	3656E-5	12.94	22.89	.1445	0	0	0	
8:42	.1703	13.05	22.89	.1954	0	0	0	
8:43	.1857	13.14	22.21	208E-8	0	0	0	
8:44	1.324	9.773	81.29	3.716	0	0	0	
8:45	5.108	8.365	111.8	5.107	0	0	0	
8:45	9.047	8.136	129.9	5.128	0	0	0	
8:46	12.98	8.184	153.2	5.109	0	0	0	
8:47	16.91	8.179	178.2	5.111	0	0	0	
8:48	20.83	8.22	210.5	5.104	0	0	0	
8:49	24.71	8.253	232	5.086	0	0	0	
8:49	28.7	8.249	247.7	5.488	0	0	0	
8:50	32.93	8.293	282.6	5.488	0	0	0	
8:51	37.15	8.313	312	5.491	0	0	0	
8:51	0	0	0	0	0	0	0	Lower Pump Rate
8:52	40.37	8.333	275.1	2.314	0	0	0	
8:52	0	0	0	0	0	0	0	Returns at Surface
8:52	0	0	0	0	0	0	0	3bbl/9sks to surface
8:52	42.11	8.333	284	2.265	0	0	0	

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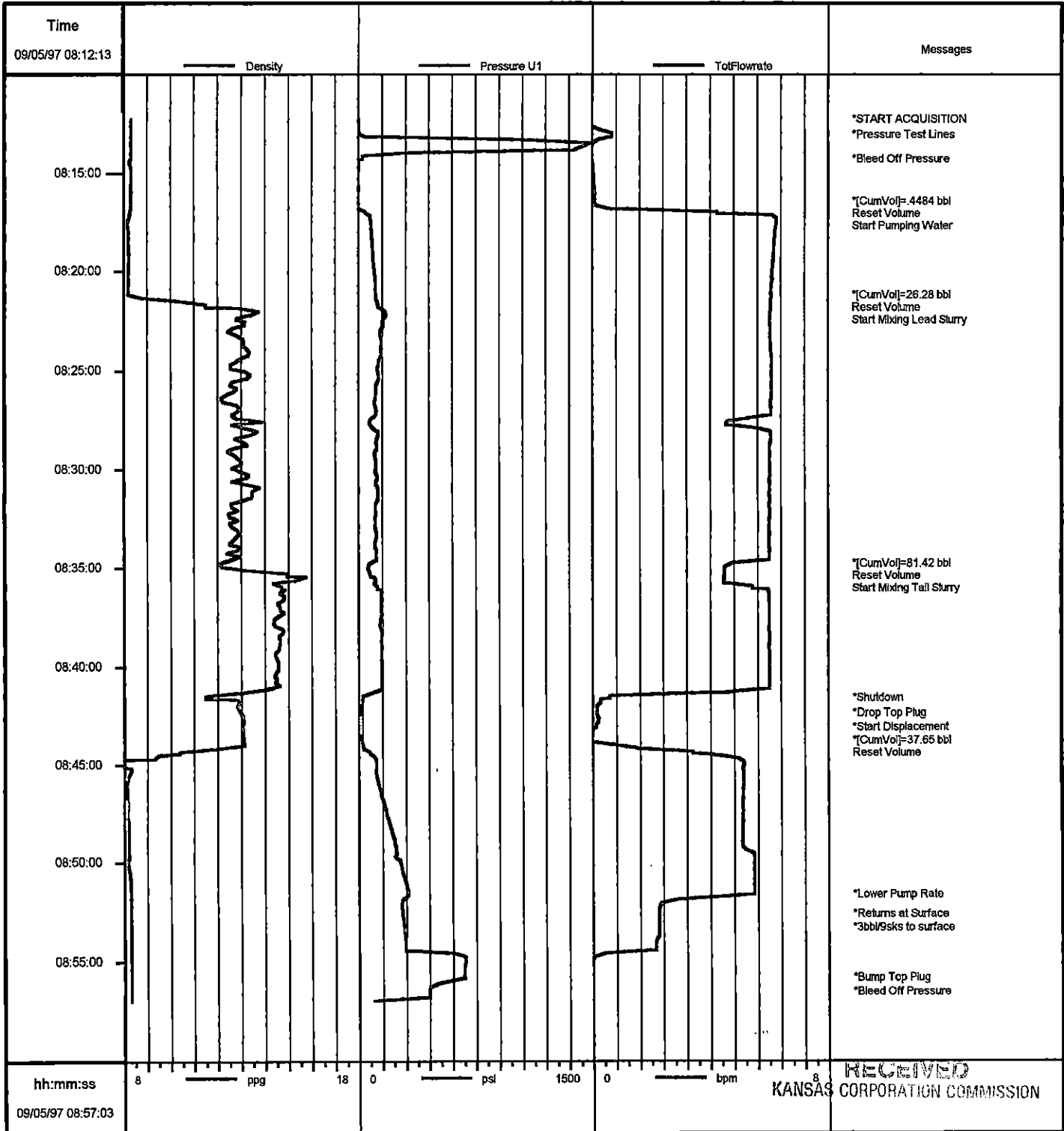
Well FULKERSON UNIT #3		Field HUGOTON		Service Date 8/29/97		Customer MOBIL OIL CORP V39050075		Job Number 20017188		
Time	CumVol	Density	Pressure U1	TotFlowrate				Message		
24 hr clock	bbl	ppg	psi	bpm				ORIGINAL		
8:53	43.85	8.333	294	2.255	0	0	0			
8:54	45.51	8.333	299.2	2.146	0	0	0			
8:55	45.76	8.333	677.9	4941E-8	0	0	0			
8:55	0	0	0	0	0	0	0	Bump Top Plug		
8:55	0	0	0	0	0	0	0	Bleed Off Pressure		
8:55	45.76	8.333	597.9	2569E-13	0	0	0			
8:56	0	0	0	0	0	0	0	Psi. check		
8:56	45.76	8.333	453.2	1336E-18	0	0	0			
8:56	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	6.2		117	0	26	0		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
330	688	175	0	0		0 bbl	0 lb/gal			
Avg. N2 Percent	Designed Slurry Volume		Displacement		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume		<input type="checkbox"/> Washed Thru Perfs To			
0 %	0 bbl		44.4 bbl		9.565 bbl		3			
Customer or Authorized Representative				Dowell Supervisor			<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed
Marvin Harvey				Charley King						

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WICHITA, KS

Well	Fulkerson #3	Client	Mobil	ORIGINAL
Field	Hugoton	SIR No.	20017188	
Country	USA	Job Date	9/5/97 8:12:13 AM	



Job: mobil
09/05/1997 09:01

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