FORM MUST BE TYPED **ORIGINAL** SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

RECEIVED
KANSAS CORP COMM
APR 15 1998
4-15-98

API NO. 15- 189-222640000

County Stevens

NE - NE Sec. 8 Twp. 33 Rge. 37 E X W

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

600 Feet from E/W (circle one) Line of Section

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

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
X New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
X 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. ____

12-13-97 Spud Date
12-17-97 Date Reached TD
1-14-97 Completion Date

Lease Name Ratcliff #1 Unit Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3117 KB 3127

Total Depth 2941 PBTD 2886

Amount of Surface Pipe Set and Cemented at 635 Feet

Multiple Stage Cementing Collar Used? ____ Yes X 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 Alt. I, 6-12-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume 260 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 4-10-97

Subscribed and sworn to before me this 10th day of April, 19 98.

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001

8-31.kcc

LYNN K. HUNT
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2-20-01

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)

Form ACO-1 (7-91)

SIDE TWO ORIGINAL

Operator Name Mobil Oil Corporation Lease Name Ratcliff #1 Unit Well # 2

Sec. 8 Twp. 33 Rge. 37 ☐ 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.)	☐ Yes	☒ No
Samples Sent to Geological Survey	☐ Yes	☒ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☐ Yes	☒ No

List All E.Logs Run:

NO LOGS RUN

☐ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

CASING RECORD ☒ New ☐ 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#	635	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2931	Class C Class C	225 100	3% D79 2% B28

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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	2552-58 2776-86	Acid: 1,000 gals 7.5% HCL	
	2620-30	Fracd: 43,000 gals WF130 in 70q foam	
	2670-80	125,000 lbs 16/30 sand	
	2730-45		

TUBING RECORD Size Set At Packer At Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. 1-8-98

Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

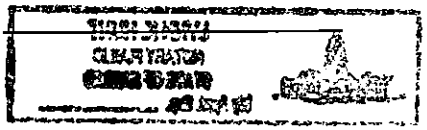
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		514			

Disposition of Gas: METHOD OF COMPLETION Production Interval

☐ Vented ☒ Sold ☐ Used on Lease (If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2552

☐ Other (Specify) 2786



Schlumberger
Dowell

Cementing Service Report

ORIGINAL
15-189-22264

Customer	Job Number
MOBIL DRILLING	20034969

Well	Location (legal)	Dowell Location	Service Date
RATCLIFF UNIT #1 2	8, 33S, 37W	Ulysses, KS	12/16/97

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
HUGOTON	Dolomite	0 °	7.88 in	2,941 ft	2,941 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Stevens	KS	0 psi	0 °F	0 °F	0 psi/ft

Rig Name	Drilled For	Service Via
NORSEMAN 2	Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
Bentonite	9.3 lb/gal	0 cp

Service Line	Job Type
Cementing	Cem Prod Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
0 psi	0 psi	Single cement head

Service Instructions

Cement and equipment to safely cement 5 1/2 casing as per customer's request.
Loc #63203 Acc. Code 4903
I.D. RDWORLEY
Field Est. $7670.45

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
2931	5.5	14		
0	0	0		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread
0	0	0		
0	0	0		

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
0	0	0	0	0 ft
0	0	0	0	Diameter
0	0	0	0	0 in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	70.4 bbl		0 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
0 bbl	71.5 bbl	0 bbl	0 bbl

Casing/Tubing Secured ☐	1 Hole Volume Circulated prior to Cementing ☐
Lift Pressure: 680 psi	
Pipe Rotated ☐	Pipe Reciprocated ☐
No. Centralizers: 10	Top Plugs: 1	Bottom Plugs: 0
Cement Head Type: Single	

Job Scheduled For:	Arrived on Location:	Leave Location:
12/16/97 21:30	12/16/97 21:15	

Casing Tools

Shoe Type:	Guide
Shoe Depth:	2931 ft
Stage Tool Type	
Stage Tool Depth:	0 ft
Collar Type:	Auto-Fill
Collar Depth:	2886 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	0 ft
Tail Pipe Size:	0 in
Tail Pipe Depth:	0 ft
Sqz Total Vol:	0 bbl

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure U1 (psi)	TotFlowrate (bpm)				Message
23:28	0	0	0	0	0	0	0	START ACQUISITION
23:28	932E-6	8.226	-4.55	5592E-5	0	0	0	
23:28	0	0	0	0	0	0	0	Pressure Test Lines
23:29	4208E-5	8.259	-4.55	5718E-5	0	0	0	
23:29	8134E-5	8.255	-4.55	5068E-5	0	0	0	
23:30	9835E-5	8.131	.2388	7011E-8	0	0	0	
23:31	.2956	3.328	486.8	.4291	0	0	0	
23:32	.3314	1.667	1641	1529E-8	0	0	0	
23:32	.3314	3.018	59.55	1036E-13	0	0	0	
23:33	.3314	8.379	-4.549	7018E-19	0	0	0	
23:33	0	0	0	0	0	0	0	Start Pumping Water
23:34	.0389	8.395	1.18	1.042	0	0	0	
23:35	3.274	8.304	127.9	4.909	0	0	0	
23:35	6.982	8.321	129.4	4.928	0	0	0	
23:36	10.69	8.294	138.8	4.93	0	0	0	
23:37	14.42	8.251	149.3	4.932	0	0	0	
23:38	18.13	8.268	156.6	4.929	0	0	0	
23:38	21.85	8.237	167.2	4.949	0	0	0	
23:39	25.58	8.148	177.1	4.951	0	0	0	
23:39	0	0	0	0	0	0	0	[CumVol]=27.09 bbl
23:39	0	0	0	0	0	0	0	Reset Volume

Well	Field	Service Date	Customer	Job Number
RATCLIFF UNIT #1 #2	HUGOTON	12/16/97	MOBIL DRILLING	20034969

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure U1 (psi)	TotFlowrate (bpm)				Message
23:39	0	0	0	0	0	0	0	Start Mixing Lead Slurry
23:40	2.154	11.06	200.1	4.955	0	0	0	
23:41	5.858	12.51	215.7	4.913	0	0	0	
23:41	9.568	11.8	183.2	4.923	0	0	0	
23:42	13.29	11.55	156.2	4.921	0	0	0	
23:43	17.01	11.69	146.8	4.93	0	0	0	
23:44	20.73	11.68	137.7	4.943	0	0	0	
23:44	24.45	11.59	123.9	4.947	0	0	0	
23:45	28.19	11.46	109.9	4.947	0	0	0	
23:46	31.91	11.63	105.3	4.947	0	0	0	
23:47	35.64	11.59	102.4	4.939	0	0	0	
23:47	39.36	11.45	96.71	4.943	0	0	0	
23:48	43.1	11.5	98.36	4.946	0	0	0	
23:49	46.82	11.63	99.99	4.932	0	0	0	
23:50	50.54	11.69	101.3	4.929	0	0	0	
23:50	54.27	11.45	99.12	4.942	0	0	0	
23:51	58	11.56	96.87	4.948	0	0	0	
23:52	61.73	11.8	101.3	4.938	0	0	0	
23:53	65.45	11.73	103	4.948	0	0	0	
23:53	69.17	11.5	100.3	4.949	0	0	0	
23:54	72.91	11.57	98.84	4.949	0	0	0	
23:55	76.63	11.83	103.2	4.935	0	0	0	
23:56	80.35	11.75	103.3	4.934	0	0	0	
23:56	84.08	11.43	100.4	4.948	0	0	0	
23:57	87.82	11.94	103	4.935	0	0	0	
23:58	91.54	11.7	102.9	4.937	0	0	0	
23:59	95.27	11.33	97.18	4.956	0	0	0	
23:59	99.02	12.08	102.8	4.939	0	0	0	
0:00	102.7	11.53	100.7	4.959	0	0	0	
0:01	0	0	0	0	0	0	0	[CumVol]=105.1 bbl
0:01	0	0	0	0	0	0	0	Reset Volume
0:01	0	0	0	0	0	0	0	Start Mixing Tail Slurry
0:01	1.323	13.77	109.2	4.935	0	0	0	
0:02	5.037	14.88	144.2	4.925	0	0	0	
0:02	8.763	14.82	144.9	4.933	0	0	0	
0:03	12.48	14.86	145.1	4.931	0	0	0	
0:04	16.21	14.84	145.3	4.949	0	0	0	
0:05	19.93	15.09	149.6	4.936	0	0	0	
0:05	23.66	14.88	150	4.948	0	0	0	
0:06	0	0	0	0	0	0	0	Shutdown
0:06	25.67	11.59	4.74	9835E-6	0	0	0	
0:06	0	0	0	0	0	0	0	[CumVol]=25.67 bbl
0:06	0	0	0	0	0	0	0	Reset Volume
0:10	2351E-7	8.322	4.55	6522E-5	0	0	0	
0:10	0	0	0	0	0	0	0	Drop Top Plug
0:10	0	0	0	0	0	0	0	Start Displacement
0:11	5051E-6	8.17	4.55	7456E-5	0	0	0	
0:12	1.516	8.612	32.56	2.874	0	0	0	
0:12	4.598	8.591	77.01	4.384	0	0	0	
0:13	7.892	8.39	76.52	4.383	0	0	0	
0:14	11.54	8.158	97.3	5.076	0	0	0	
0:15	15.36	8.032	95.55	5.084	0	0	0	
0:15	19.18	8.117	95.17	5.09	0	0	0	

Well	Field	Service Date	Customer	Job Number
RATCLIFF UNIT #1 #2	HUGOTON	12/16/97	MOBIL DRILLING	20034969

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure U1 (psi)	TotFlowrate (bpm)				Message
0:16	23.06	8.154	92.96	5.064	0	0	0	
0:17	26.9	8.172	92.58	5.089	0	0	0	
0:18	30.72	8.191	114.3	5.05	0	0	0	
0:18	34.54	8.095	154.1	5.054	0	0	0	
0:19	38.34	8.089	193.9	5.033	0	0	0	
0:20	42.13	8.119	238.2	4.998	0	0	0	
0:21	45.89	8.103	297.3	4.992	0	0	0	
0:21	49.66	8.15	383	4.959	0	0	0	
0:22	53.38	8.149	469.3	4.929	0	0	0	
0:23	57.09	8.124	532.6	4.906	0	0	0	
0:24	60.79	8.139	598.3	4.912	0	0	0	
0:24	0	0	0	0	0	0	0	Lower Pump Rate
0:24	63.38	8.05	557.7	1.92	0	0	0	
0:25	65.22	8.211	604.9	2.551	0	0	0	
0:26	67.12	8.335	626.3	2.503	0	0	0	
0:27	69	8.424	655.6	2.463	0	0	0	
0:27	0	0	0	0	0	0	0	Psi. check
0:27	70.84	8.466	824.2	2.172	0	0	0	
0:28	0	0	0	0	0	0	0	Bump Top Plug
0:28	70.98	8.242	1145	1637E-8	0	0	0	
0:29	70.98	8.18	623	1109E-13	0	0	0	
0:29	0	0	0	0	0	0	0	Bleed Off Pressure
0:30	70.98	8.232	7.677	7513E-19	0	0	0	
0:30	70.98	8.275	6.423	5089E-24	0	0	0	
0:31	71.17	8.268	644.1	.5447	0	0	0	
0:32	71.31	8.324	1170	.18	0	0	0	
0:33	71.32	8.327	31.66	1269E-9	0	0	0	
0:33	0	0	0	0	0	0	0	End Job

RECEIVED
KANSAS CORP COMM
2000 JAN 15 D 12: 30

ORIGINAL

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
4.5	0	0	5.1

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
132	0	26	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
680	1250	175	1250	0

Breakdown Fluid

Type	Volume	Density
	0 bbl	0 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement
0 %	0 bbl	70.4 bbl

☐ Cement Circulated to Surface? Volume 0 bbl

☐ Washed Thru Perfs To 0 ft

Customer or Authorized Representative	Dowell Supervisor		
Russell Worley	Charley King	☐ CirculationLost	☑ Job Completed

ORIGINAL

15-189-22264

Schlumberger
Dowell

Cementing Service Report

Customer	Job Number
MOBIL DRILLING	20034968

Well	Location (legal)	Dowell Location	Service Date
Ratcliff 1-2	Sec. 8-33S-37W	Ulysses, KS	12/14/97

RECEIVED KANSAS CORP COMM DEC 19 1997

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
Hugoton	Surface	0 °	12.3 in	640 ft	12640 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Stevens	Kansas	0 psi	70 °F	65 °F	0 psi/ft

Rig Name	Drilled For	Service Via
NORSEMAN 2	Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
Bentonite	9.2 lb/gal	33 cp

Service Line	Job Type
Cementing	Cem Surface Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
1000 psi	0 psi	Single cement head

Service Instructions

Safely deliver & perform Surface cement job with materials & equipment listed below. Per clients instructions
I.D. RDWORLEY
Acc Code 4903
Loc Code 63203
Total Field Price $5429.31

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
635	8.625	24	USS50	8rd
0	0	0		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread
0	0	0		
0	0	0		

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
0	0	0	0	0 ft
0	0	0	0	Diameter
0	0	0	0	0 in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	37.7 bbl	None	0 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
0 bbl	40.4 bbl	46.6 bbl	0 bbl

Casing/Tubing Secured	☑	1 Hole Volume Circulated prior to Cementing	☐
Lift Pressure:	261 psi		
Pipe Rotated	☐	Pipe Reciprocated	☐

No. Centralizers:	5	Top Plugs:	1	Bottom Plugs:	0

Cement Head Type:	Single

Job Scheduled For:	Arrived on Location:	Leave Location:
12/14/97 3:00	12/14/97 3:00	12/14/97 7:30

Casing Tools

Shoe Type:	Guide
Shoe Depth:	635 ft
Stage Tool Type	
Stage Tool Depth:	0 ft
Collar Type:	Baffle Plate
Collar Depth:	592 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	0 ft
Tail Pipe Size:	0 in
Tail Pipe Depth:	0 ft
Sqz Total Vol:	0 bbl

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure U1 (psi)	Reset Volume (bbl)	TotFlowrate (bpm)			Message
6:27	0	0	0	0	0	0	0	START ACQUISITION
6:27	0	-6.25	-3704	0	0	0	0	
6:27	0	0	0	0	0	0	0	Start Pumping Water
6:27	.397	8.408	97.74	.397	4.492	0	0	
6:28	3.149	8.425	141.6	3.149	5.592	0	0	
6:28	5.961	8.414	146.9	5.961	5.585	0	0	
6:29	8.774	8.262	154.3	8.774	5.593	0	0	
6:29	11.59	8.255	155.1	11.59	5.592	0	0	
6:30	14.4	8.269	156.5	14.4	5.594	0	0	
6:30	17.21	8.294	161.1	17.21	5.592	0	0	
6:31	20.02	8.314	163.3	20.02	5.595	0	0	
6:31	22.83	8.218	169.6	22.83	5.6	0	0	
6:32	0	0	0	0	0	0	0	[Reset Volume]=0 bbl
6:32	0	0	0	0	0	0	0	Start Mixing Lead Slurry
6:32	25.64	11.22	196.1	1.312	5.596	0	0	
6:32	28.45	12.88	234.3	4.123	5.587	0	0	
6:33	31.27	12.82	238.7	6.935	5.592	0	0	
6:33	34.08	12.73	226.3	9.747	5.592	0	0	
6:34	36.89	12.79	223.9	12.56	5.597	0	0	
6:34	39.71	12.74	209.8	15.38	5.592	0	0	
6:35	42.53	12.67	194	18.2	5.592	0	0	
6:35	45.34	12.71	177.2	21.01	5.598	0	0	

Well	Field	Service Date	Customer	Job Number
Ratcliff #1-2	Hugoton	12/14/97	MOBIL DRILLING	20034968

Time 24 hr clock	CumVol bbl	Density ppg	Pressure U1 psi	Reset Volume bbl	TotFlowrate bpm			Message
6:36	48.15	12.86	168	23.82	5.592	0	0	
6:36	50.96	12.88	164.2	26.63	5.577	0	0	
6:37	53.78	12.88	164.1	29.45	5.592	0	0	
6:37	56.59	12.6	152.4	32.26	5.592	0	0	
6:38	59.41	13.18	159.8	35.07	5.594	0	0	
6:38	62.22	13.06	161.4	37.88	5.601	0	0	
6:39	65.03	12.91	158.5	40.7	5.592	0	0	
6:40	67.85	12.7	157.6	43.52	5.592	0	0	
6:40	70.66	12.85	159.4	46.33	5.592	0	0	
6:41	73.47	12.77	158.5	49.14	5.588	0	0	
6:41	76.28	12.74	156	51.95	5.593	0	0	
6:42	79.09	12.7	148	54.76	5.592	0	0	
6:42	81.92	12.97	156.3	57.58	5.592	0	0	
6:43	84.73	13	158.4	60.4	5.592	0	0	
6:43	87.54	12.78	146.7	63.21	5.59	0	0	
6:44	90.35	12.84	147.9	66.02	5.593	0	0	
6:44	93.16	12.5	143.8	68.83	5.592	0	0	
6:45	95.99	12.79	135.1	71.65	5.592	0	0	
6:45	98.8	12.8	137.5	74.47	5.592	0	0	
6:45	0	0	0	0	0	0	0	[Reset Volume]=0 bbl
6:46	101.6	12.12	112.2	.7503	5.597	0	0	
6:46	0	0	0	0	0	0	0	Start Mixing Tail Slurry
6:46	104.4	15.31	233.2	3.559	5.58	0	0	
6:47	107.2	14.86	226.9	6.371	5.592	0	0	
6:47	110.1	14.63	210.4	9.194	5.592	0	0	
6:48	112.9	14.7	210.7	12.01	5.586	0	0	
6:48	115.7	14.7	208.6	14.82	5.592	0	0	
6:49	118.5	14.63	201.2	17.63	5.592	0	0	
6:49	121.3	14.64	193.8	20.44	5.592	0	0	
6:50	124.1	14.66	198.9	23.26	5.588	0	0	
6:50	126.9	14.62	191.9	26.08	5.592	0	0	
6:51	129.7	14.63	182.6	28.89	5.593	0	0	
6:51	132.6	14.67	175.4	31.7	5.592	0	0	
6:52	135	12.24	19.68	34.17	1.162	0	0	
6:52	135.1	12.32	-11.32	34.23	4153E-7	0	0	
6:53	135.4	12.46	57.92	34.51	3.484	0	0	
6:53	137.6	9.079	65.03	36.79	5.473	0	0	
6:54	140.5	8.36	56.49	39.65	5.711	0	0	
6:54	143.4	8.419	68.04	42.52	5.711	0	0	
6:55	146.3	8.439	81.39	45.4	5.711	0	0	
6:55	149.1	8.435	109	48.27	5.72	0	0	
6:55	0	0	0	0	0	0	0	[Reset Volume]=16 bbl
6:56	152	8.425	135.6	16.67	5.703	0	0	
6:56	154.9	8.425	159.4	19.54	5.708	0	0	
6:57	157.7	8.414	172.2	22.4	5.598	0	0	
6:57	160.5	8.396	197.6	25.22	5.592	0	0	
6:58	163.4	8.321	205.6	28.03	5.592	0	0	
6:58	166.2	8.313	224.1	30.84	5.592	0	0	
6:59	168.8	8.086	204.5	33.5	3.897	0	0	
6:59	170.1	7.964	181.7	34.77	2.087	0	0	
7:00	171.2	7.912	189.2	35.82	2.071	0	0	
7:00	172.2	7.896	198.8	36.86	2.045	0	0	
7:01	173.2	7.887	208.2	37.88	2.022	0	0	
7:01	173.6	7.781	657.5	38.25	6214E-6	0	0	

Well	Field	Service Date	Customer	Job Number
Ratcliff #1-2	Hugoton	12/14/97	MOBIL DRILLING	20034968

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure U1 (psi)	Reset Volume (bbl)	TotFlowrate (bpm)			Message
7:01	0	0	0	0	0	0	0	Bump Top Plug
7:02	173.6	7.799	653	38.25	2225E-9	0	0	
7:02	173.6	7.791	240.8	38.25	7965E-13	0	0	
7:03	173.6	7.784	408	38.28	1348E-5	0	0	
7:03	0	0	0	0	0	0	0	Bleed Off Pressure

RECEIVED ANCHORAGE CORP COMM 1998 APR 16 PM 12:37

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
5	0	0	5.5

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
108	0	0	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
275	250	200	0	0

Breakdown Fluid

Type	Volume	Density
	0 bbl	0 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement
0 %	0 bbl	38 bbl

- [x] Cement Circulated to Surface? Volume 5 bbl
- [ ] Washed Thru Perfs To 0 ft 155 ks

Customer or Authorized Representative	Dowell Supervisor		
Russell Worley	Dave Brawley	[ ] CirculationLost	[x] Job Completed

ORIGINAL