

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

API NO. 15- 189-221820000

County Stevens
- SW - NE - NE Sec. 23 Twp. 32 Rge. 35 E X W

1250 Feet from S/N (circle one) Line of Section
1250 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 Moore #2 Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2984 KB 2993

Total Depth 3013 PBTD 2962

Amount of Surface Pipe Set and Cemented at 560 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. 1, 4-10-98 O.C.
(Data must be collected from the Reserve Pit)

Chloride content 5,000 ppm Fluid volume 200 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. _____

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 _____ SLOW _____ 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. _____

6-19-97 6-22-97 7-27-97
Spud Date Date Reached TD Completion Date

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

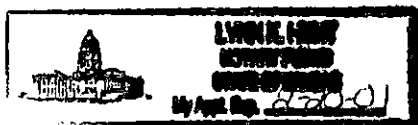
Title Regulatory Assistant Date 9-30-97

Subscribed and sworn to before me this 30th day of September, 19 97.

Notary Public Daphne K. Hunt

Date Commission Expires February 20, 2001
7-70.kcc

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



ORIGINAL

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Moore #2 Unit Well # 4

Sec. 23 Twp. 32 Rge. 35 East County Stevens West

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.) Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy.) List All E.Logs Run: NO LOGS RUN

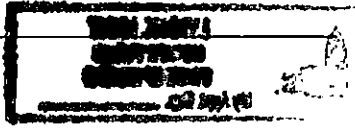
CASING RECORD Table with columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives

ADDITIONAL CEMENTING/SQUEEZE RECORD Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives

PERFORATION RECORD - Bridge Plugs Set/Type Table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth

TUBING RECORD Form with fields: Size, Set At, Packer At, Liner Run, Date of First, Resumed Production, SWD or Inj., Producing Method, Estimated Production Per 24 Hours

Disposition of Gas: METHOD OF COMPLETION Production Interval



CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER 3225	DATE 6-20-97
DS UKC	DISTRICT 2054

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

WELL NAME AND NO. MICRE #2-4	LOCATION (LEGAL) SEC. 23-325-35W
FIELD-POOL LUGGON	FORMATION SURFACE
COUNTY/PARISH STEVENS	STATE KS
API. NO.	

RIG NAME: NORSMAN #2	WELL DATA:		BOTTOM	TOP
BIT SIZE 12 1/4	CSG/Liner Size	1 1/2		
TOTAL DEPTH 65	WEIGHT	24 LB		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	539		
MUD TYPE	GRADE			
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	SR2		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	43'		TOTAL
MUD VISC.	Disp. Capacity	32.9		

NAME **MCBIL OIL**

AND **ORIGINAL**

ADDRESS

ZIP CODE

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE	DRICE FILL IN	TYPE	
	DEPTH	517	DEPTH	
Stage Tool	TYPE	CEMENT NO. 6	TYPE	
	DEPTH	510	DEPTH	

SPECIAL INSTRUCTIONS **SATLEY CEMENT**

SURFACE CASING AND DRILL C

BY CURTIS

Head & Plugs	<input type="checkbox"/> TBQ	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE		TOOL	TYPE
<input type="checkbox"/> Single	WEIGHT		DEPTH	
<input type="checkbox"/> Swage	GRADE		TAIL PIPE: SIZE	DEPTH
<input type="checkbox"/> Knockoff	THREAD		TUBING VOLUME	Bbls
TOP <input type="checkbox"/> OR <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL	Bbls
BOT <input type="checkbox"/> OR <input type="checkbox"/> W	DEPTH		TOTAL	Bbls
			ANNUAL VOLUME	Bbls

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **230** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **1500** PSI BUMP PLUG TO **97** PSI

ROTATE - RPM RECIPROCATE - FT No. of Centralizers -

JOB SCHEDULED FOR TIME **5:00** DATE **6-17-97** ARRIVE ON LOCATION TIME **7:25** DATE **6-20-97** LEFT LOCATION TIME **6:00** DATE **6-20-97**

TIME	PRESSURE		VOLUME PUMPED bbl		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBQ OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								PRE-JOB SAFETY MEETING
1:00		1710						Pre-Test
1:07		17	589	58	5.7	1.178		START 2nd cement
1:17		20	773	725	5.6	1.171		START 3rd cement
1:23				114				START 4th cement
1:28		200	211	1164	5.5	1.165		START 5th cement
1:31		200	309	1473	2	1.155		START 6th cement
1:35		200						START 7th cement
1:38		200						START 8th cement
1:41		200						START 9th cement
1:44		200						START 10th cement
1:47		200						START 11th cement
1:50		200						START 12th cement
1:53		200						START 13th cement
1:56		200						START 14th cement
1:59		200						START 15th cement

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			BBLS	DENSITY	BBLS	DENSITY
1.	175	1.99	175	1.99	59.7	1.17
2.	1.0	1.72	150	1.72	32	1.17
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	MIN.
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	Bbls
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR

Schlumberger

Dowell

Cementing Service Report

ORIGINAL

15-189-22182

Customer	MOBIL OIL CORP V390500757A	Job Number	20003696
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Well	Moore 2-4		Location (legal)	Ulysses, KS		Service Date	6/22/97		
Field	Hugoton		Formation Type	Dolomite		Deviation	Bit Size	Well MD	Well TVD
						0 °	7.88 in	3,013 ft	3,013 ft
County	Stevens		State/Province	Kansas		BHP	BHST	BHCT	Poro Press. Gradient
						0 psi	95 °F	85 °F	0 psi/ft
Rig Name	Drilled For	Service Via		Casing/Liner					
	Gas	Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Water Depth	Well Class	Well Type		3002	5.5	14	US50	8rd	
	101	Development		0	0	0			
Drilling Fluid Type	Max. Density		Plastic Viscosity		Tubing/Drill Pipe				
Bentonite	9.2 lb/gal		33 cp		Depth,	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type		0						
Cementing	Cem Prod Casing		0						
Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	Wellhead Connection		Perforations/Open Hole					
2000 psi	800 psi	Single cement head		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval	
Service Instructions				0	0	0	0	0 ft	
Safely deliver & perform Longstring Cement Job with materials & equipment listed below. Per clients instructions.				0	0	0	0	Diameter	
				0	0	0	0	0 in	
Treat Down		Displacement		Packer Type		Packer Depth			
Casing		72.1 bbl		None		0 ft			
Tubing Vol.		Casing Vol.		Annular Vol.		Open Hole Vol			
0 bbl		73.2 bbl		0 bbl		0 bbl			
Casing/Tubing Secured	<input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing		Casing Tools		Squeeze Job		
Lift Pressure:	1773 psi		<input type="checkbox"/>		Shoe Type:		Squeeze Type		
Pipe Rotated	<input type="checkbox"/>		Pipe Reciprocated		Shoe Depth:		Tool Type:		
No. Centralizers:	0		Top Plugs:		3003 ft		Tool Depth:		
			1				0 ft		
Cement Head Type:		Single		Stage Tool Type		Tool Depth:		0 ft	
				Stage Tool Depth:		Tail Pipe Size:		0 in	
Job Scheduled For:		Arrived on Location:		Leave Location:		Collar Type:		Auto-Fill	
6/22/97 15:30		6/22/97 3:30:00 PM		6/22/97		Collar Depth:		2957 ft	
						Sqz Total Vol:		0 bbl	
Time	Density	Pressure U1	TotFlowrate	Message					
24 hr clock	ppg	psi	bpm						
17:39	0	0	0	0	0	0	0	START ACQUISITION	
17:39	7.334	4725E-12	0	0	0	0	0		
17:40	7.318	2.51	0	0	0	0	0		
17:40	7.329	2.977	0	0	0	0	0		
17:41	7.34	1.969	0	0	0	0	0		
17:41	7.325	1.54	0	0	0	0	0		
17:42	7.308	4.416	0	0	0	0	0		
17:42	7.321	2.548	0	0	0	0	0		
17:43	7.338	5.156	0	0	0	0	0		
17:43	7.344	3.855	0	0	0	0	0		
17:44	7.339	2.267	0	0	0	0	0		
17:44	0	0	0	0	0	0	0	Pressure Test Lines	
17:44	7.334	.1799	0	0	0	0	0		
17:45	7.626	1554	.0325	0	0	0	0		
17:45	7.591	1526	1442E-8	0	0	0	0		
17:46	7.553	23.77	5163E-12	0	0	0	0		
17:46	7.887	10.23	1848E-15	0	0	0	0		
17:47	0	0	0	0	0	0	0	Start Pumping Water	
17:47	7.858	5.496	6618E-19	0	0	0	0		
17:47	0	0	0	0	0	0	0	[CumVol]=.2507 bbl	
17:47	0	0	0	0	0	0	0	Reset Volume	

Well			Field			Service Date		Customer		Job Number
Moore #2-4			Hugoton			6/22/97		MOBIL OIL CORP V39050075		20003696
Time	Density	Pressure U1	TotFlowrate					Message		
24 hr clock	ppg	psi	bpm							
17:47	8.006	193	3.324	0	0	0	0			
17:48	8.045	253.2	5.651	0	0	0	0			
17:48	8.07	247.6	5.945	0	0	0	0			
17:49	8.036	255	6.232	0	0	0	0			
17:49	7.952	254.1	6.231	0	0	0	0			
17:50	7.927	261.5	6.23	0	0	0	0			
17:50	8.03	273.9	6.228	0	0	0	0			
17:51	8.053	284.5	6.226	0	0	0	0			
17:51	8.034	299.4	6.218	0	0	0	0			
17:52	0	0	0	0	0	0	0	[CumVol]=26.72 bbl		
17:52	0	0	0	0	0	0	0	Reset Volume		
17:52	0	0	0	0	0	0	0	Start Mixing Lead Slurry		
17:52	8.805	306.6	6.242	0	0	0	0			
17:52	10.01	335.2	6.202	0	0	0	0			
17:53	10.29	346.9	6.212	0	0	0	0			
17:53	12.74	392.4	6.191	0	0	0	0			
17:54	11.31	311.2	6.232	0	0	0	0			
17:54	11.65	342.2	6.216	0	0	0	0			
17:55	11.97	339.3	6.216	0	0	0	0			
17:55	11.36	302.4	6.238	0	0	0	0			
17:56	11.71	293.2	6.241	0	0	0	0			
17:56	11.49	278.9	6.253	0	0	0	0			
17:57	11.45	263.8	6.251	0	0	0	0			
17:57	11.36	252.2	6.237	0	0	0	0			
17:58	11.4	241.2	6.252	0	0	0	0			
17:58	11.5	233.5	6.27	0	0	0	0			
17:59	11.41	216.2	6.265	0	0	0	0			
17:59	10.97	192.9	6.272	0	0	0	0			
18:00	10.37	159.3	6.282	0	0	0	0			
18:00	12.54	180.1	6.278	0	0	0	0			
18:01	11.77	167.7	6.292	0	0	0	0			
18:01	11.06	143.6	6.296	0	0	0	0			
18:02	11.6	154.1	6.294	0	0	0	0			
18:02	11.38	150.8	6.286	0	0	0	0			
18:03	11.23	144.6	6.298	0	0	0	0			
18:03	11.46	147.5	6.297	0	0	0	0			
18:04	11.51	152.1	6.296	0	0	0	0			
18:04	11.19	143.9	6.298	0	0	0	0			
18:05	11.24	139.5	6.297	0	0	0	0			
18:05	11.35	146.1	6.298	0	0	0	0			
18:06	11.09	140.7	6.308	0	0	0	0			
18:06	10.65	134.1	6.31	0	0	0	0			
18:07	0	0	0	0	0	0	0	Start Mixing Tail Slurry		
18:07	0	0	0	0	0	0	0	[CumVol]=94.58 bbl		
18:07	0	0	0	0	0	0	0	Reset Volume		
18:07	13.59	187.6	6.287	0	0	0	0			
18:07	14.42	258.1	6.262	0	0	0	0			
18:08	14.47	248.4	6.254	0	0	0	0			
18:08	14.5	258	6.261	0	0	0	0			
18:09	14.33	248	6.263	0	0	0	0			
18:09	14.37	237.5	6.255	0	0	0	0			
18:10	14.37	245.3	6.264	0	0	0	0			
18:10	13.06	192.5	6.286	0	0	0	0			

Well		Field		Service Date		Customer		Job Number	
Moore #2-4		Hugoton		6/22/97		MOBIL OIL CORP V39050079		20003696	
Time	Density	Pressure U1	TotFlowrate					Message	
24 hr clock	ppg	psi	bpm						
18:11	0	0	0	0	0	0	0	Shutdown	
18:11	12.69	.7207	5141E-6	0	0	0	0		
18:11	0	0	0	0	0	0	0	[CumVol]=23.31 bbl	
18:11	0	0	0	0	0	0	0	Reset Volume	
18:11	0	0	0	0	0	0	0	PAUSE ACQUISITION	
18:14	0	0	0	0	0	0	0	RESTART AFTER PAUSE	
18:14	7.934	5.469	1.041	0	0	0	0		
18:14	0	0	0	0	0	0	0	Drop Top Plug	
18:14	0	0	0	0	0	0	0	Start Displacement	
18:14	8.09	-10.09	2866E-7	0	0	0	0		
18:15	8.09	4.146	1026E-10	0	0	0	0		
18:15	8.045	38.9	3.44	0	0	0	0		
18:16	7.993	74.31	6.118	0	0	0	0		
18:16	7.938	76.35	6.141	0	0	0	0		
18:17	7.813	77.67	6.139	0	0	0	0		
18:17	7.791	73.71	6.144	0	0	0	0		
18:18	7.767	77.69	6.141	0	0	0	0		
18:18	7.764	78.09	6.133	0	0	0	0		
18:19	7.681	71.05	6.133	0	0	0	0		
18:19	7.662	97.06	6.119	0	0	0	0		
18:20	7.664	121.3	6.116	0	0	0	0		
18:20	7.656	142.2	6.109	0	0	0	0		
18:21	7.66	161.7	6.086	0	0	0	0		
18:21	7.65	188.7	6.071	0	0	0	0		
18:22	7.641	219.1	6.07	0	0	0	0		
18:22	7.627	248.2	6.06	0	0	0	0		
18:23	7.625	282	6.039	0	0	0	0		
18:23	7.619	327.9	6.02	0	0	0	0		
18:24	7.6	378.2	5.987	0	0	0	0		
18:24	7.592	440.5	5.977	0	0	0	0		
18:25	7.604	498.8	5.952	0	0	0	0		
18:25	7.589	560	5.932	0	0	0	0		
18:26	7.581	611.2	5.908	0	0	0	0		
18:26	0	0	0	0	0	0	0	Lower Pump Rate	
18:26	7.57	517.2	1.938	0	0	0	0		
18:27	7.636	527.3	1.916	0	0	0	0		
18:27	7.668	544.2	1.925	0	0	0	0		
18:28	7.664	559.6	1.915	0	0	0	0		
18:28	7.661	574.5	1.915	0	0	0	0		
18:29	7.663	591.9	1.921	0	0	0	0		
18:29	7.664	636.6	1.916	0	0	0	0		
18:30	0	0	0	0	0	0	0	Bump Top Plug	
18:30	0	0	0	0	0	0	0	Shutdown	
18:30	7.951	1176	1581E-6	0	0	0	0		
18:30	0	0	0	0	0	0	0	Bleed Off Pressure	
18:30	7.997	1167	4345E-10	0	0	0	0		
18:31	7.993	85.35	1556E-13	0	0	0	0		
18:31	7.998	4.502	5569E-17	0	0	0	0		
18:32	7.995	4.542	1994E-20	0	0	0	0		
18:32	0	0	0	0	0	0	0	End Job	

Well Moore #2-4		Field Hugoton		Service Date 6/22/97		Customer MOBIL OIL CORP V39050075		Job Number 20003896		
Time 24 hr clock	Density PPG	Pressure U1 psi	TotFlowrate bpm					Message		
Post Job Summary										
Average Pump Rates, bpm				Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate	Lead Slurry	Tail Slurry	Mud	Spacer	N2		
6	0	0	6.2	122.3	122.3	0	0	0		
Treating Pressure Summary, psi				Breakdown Fluid						
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
1176	1176	350		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 0 ft						
0 %	0 bbl	72.1 bbl								
Customer or Authorized Representative Russell Worley				Dowell Supervisor FICA BRENNON				<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed