

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 SIOW 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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11-10-97 11-13-97 12-3-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-221330000

County Stevens

SW SE SE Sec. 10 Twp. 32 Rge. 35 X W

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

675 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 Combes A1 Unit Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2966 KB 2975

Total Depth 2917 PBDT 2860

Amount of Surface Pipe Set and Cemented at 553 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 A/H 5-13-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 8,000 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. _____

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

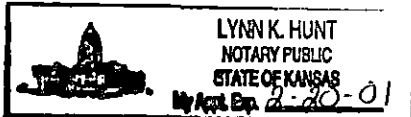
Title Regulatory Assistant Date 2-19-98

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

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001
8-17.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
2-24-98
1998 FEB 24 1002
13 ED 2



Operator Name Mobil Oil Corporation Lease Name Combes A1 Unit Well # 2
 Sec. 10 Twp. 32 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#	553	Class C Class C	180 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2907	Class C Class C	200 100	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	2646-2656	Acid: 1,000 gals 7.5% HCL	
	2682-2692	Fract: 30,000 gals WF130 in 80q foam	
	2726-2736	86,420 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. 12-1-97		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	
		144				

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: _____ 2646 _____ 2736 _____

2736-2746

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 2028810
DATE: 11-12-97
STAGE: DS DISTRICT: Ulysses, Kc

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

WELL NAME AND NO. Combes A#1-2		LOCATION (LEGAL) Sec 10-325-35u		RIG NAME: Norseman #4	
FIELD-POOL Hootan		FORMATION		WELL DATA:	
COUNTY/PARISH Stevens		STATE Kc		API. NO.	
NAME Mobil Oil Corp		MUD TYPE		GRADE	
AND		MUD DENSITY		LESS FOOTAGE SHOE JOINT(S)	
ADDRESS		MUD VISC.		Disp. Capacity	
SPECIAL INSTRUCTIONS		DISP. CAPACITY		TOTAL	

ORIGINAL
ZIP CODE

NOTE: Include Footage From Ground Level To Head In Disp. Capacity	
Float	TYPE: Insert Float Valve
DEPTH	2860
SHOE	TYPE: cmt nose
DEPTH	2907
Head & Plugs	<input type="checkbox"/> TBG <input type="checkbox"/> D.P. <input type="checkbox"/> SQUEEZE JOB
<input type="checkbox"/> Double	SIZE
<input type="checkbox"/> Single	<input type="checkbox"/> WEIGHT
<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE
<input type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD
TOOL	TYPE
	DEPTH
TUBING VOLUME	Bbbls
CASING VOL. BELOW TOOL	Bbbls
TOTAL	Bbbls
ANNUAL VOLUME	Bbbls

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE: 1714 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT: PSI BUMP PLUG TO: 1380 PSI

ROTATE: RPM RECIPROCATE FT No. of Centralizers

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400								1930	11-12	0030	11-13
2154	2350							PRE-JOB SAFETY MEETING 2 PSI Test			
2156	0	25			5.7	H2O		start H2O ahead			
2201	175	98			5.6	cmt	11.5	start pad cmt.			
2218	70	24			5.6	cmt	14.8	start tail cmt.			
2221	130		15		5.6	cmt	14.8	PSI check			
2225	0							shut down wash pump lines deep top plug			
2229	0	69.7			5.6	H2O		start displacement			
2223	50		20		5.6	H2O		PSI check			
2237	110		40		5.6			" "			
2238	310		50		5.6			" "			
2240	515		60		2			lower rate			
2243	525		67		2			PSI check			
2245	1380		70		2			bump top plug			
2246								bleed off check float & holding end job			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	200	2.75	class C + 3% D79 + .2% D46 + 4% D29				97.9	11.5
2.								
3.	100	1.37	class C + 2% B28 + 2% cmt + .6% D60 + 2% D46 + 4% D29				24.4	14.8
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 type="checkbox"/> NO	Cement Circulated To Surf. <input type="checkbox"/> YES <input type="checkbox"/> NO		Bbbls
BREAKDOWN		PSI	FINAL	PSI	DISPLACEMENT VOL.	69.7 Bbbls	TYPE OF WELL
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO		TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> OIL <input type="checkbox"/> GAS	<input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
PERFORATIONS		CUSTOMER REPRESENTATIVE		DS SUPERVISOR			
TO	TO	MARTIN HARVEY		JAMES ESQUIVEL			



Cementing Service Report

Dowell		Customer: MOBIL DRILLING				Job Number: 20028885	
Well: COMBES A1 UNIT 2		Location (seg): 10 32S 35W		Dowell Location: Ulysses, KS		Service Date: 11/3/97	
Field: HUGGTON		Formation Name/Type: Dirty-Sandstone		Deviation: 0		Bit Cps: 12.3 in	
County: Stevens		State/Province: KS		Well ID: 563 ft		Well FWD: 563 ft	
Rig Name: NORSEMAN 4		Drilled For: Gas		Service Via: Land		Casing/Liner	
Offshore Zone:		Well Class: New		Well Type: Development		Depth, ft: 0	
Drilling Fluid Type: Bentonite		Max. Density: 9.2 lb/gal		Plastic Viscosity: 0 cp		Size, in: 8.625	
Service Line: Cementing		Job Type: Cem Surface Casing		Wellhead Connection: Single cement head		Weight, lb/ft: 24	
Max. Allowed Tubing Pressure: 1500 psi		Max. Allowed Ann. Pressure: 1500 psi		Wellhead Connection: Single cement head		Grade: K56	
Service Instructions: SAFELY CEMENT 8 5/8 SURFACE CASING AS REQUESTED BY CUSTOMER. LOC 62543 I.D. MTHARVEY FIELD EST. 50X3.59		Perforations/Open Hole		Tubing/Drill Pipe		Thread: BRD	
Casing/Tubing Secured: 1 Hole Volume Circulated prior to Cementing		Perforations/Open Hole		Tubing/Drill Pipe		Depth, ft: 0	
LR Pressure: 1500 psi		Perforations/Open Hole		Tubing/Drill Pipe		Size, in: 0	
Pipe Rotated: Pipe Recirculated		Perforations/Open Hole		Tubing/Drill Pipe		Weight, lb/ft: 0	
No. Centralizers: 0		Top Plugs: 1		Bottom Plugs: 0		Grade: 0	
Cement Head Type: Single		Perforations/Open Hole		Tubing/Drill Pipe		Thread: 0	
Job Scheduled For: 11/10/97 21:30		Arrived on Location: 11/10/97 21:00		Leave Location: 11/11/97 0:00		Total Interval: 0 ft	
Time		Cm Vol		Density		Pressure (SI)	
25 hr clock		gal		lb/gal		psi	
23:57		0		0		0	
23:57		0		8.274		-38.07	
23:57		228		8.265		643.8	
23:58		2394		8.267		1854	
23:58		0		0		0	
23:58		2395		8.268		41.48	
23:58		2395		8.276		28.91	
23:59		2396		8.28		-31.78	
23:59		0		0		0	
23:59		0		0		0	
23:59		0		0		0	
23:59		2516		8.28		-13.35	
0:00		2681		8.276		-20.1	
0:00		7759		8.216		94.81	
0:01		3074		8.21		129.7	
0:01		5.82		8.254		157.6	
0:02		8.056		8.236		120.1	
0:02		10.49		8.253		127.2	
0:02		12.93		8.257		124.3	
0:03		15.36		8.263		128.7	
0:03		17.8		8.261		130.1	

ORIGINAL

2-24-98

APR 11 1998 13-98 WRC

RECEIVED STATE OF KANSAS COMMISSION FEB 24 1998

Well		Field				Service Date	Customer	Job Number
COMBES AT UNIT #2		HUGOTON				11/3/97	MOBIL DRILLING	20028869
Time	CumVol	Density	Pressure UI	Topkicks			Message	
24 hr clock	bbl	ppg	psd	spm				
0:04	20.24	8.275	139.9	5.382	0	0		
0:04	22.68	8.283	161.5	5.593	0	0		
0:05	25.12	8.254	153.5	5.592	0	0		
0:05	0	0	0	0	0	0	Start Mbung Lead Slurry	
0:05	0	0	0	0	0	0	Reset Volume	
0:05	0	0	0	0	0	0	[CumVol]=26.99 bbl	
0:05	4682	10.59	185.3	5.594	0	0		
0:05	2.901	12.98	222.6	5.595	0	0		
0:06	5.337	12.96	226.5	5.592	0	0		
0:06	7.785	13.08	207.3	5.592	0	0		
0:07	10.22	12.59	188	5.592	0	0		
0:07	12.66	12.85	173	5.593	0	0		
0:08	15.08	12.73	155.1	5.592	0	0		
0:08	17.53	12.94	142.7	5.592	0	0		
0:09	19.96	12.9	139.1	5.592	0	0		
0:09	22.41	12.85	129.3	5.592	0	0		
0:09	24.85	12.83	132	5.592	0	0		
0:10	27.28	12.86	129.3	5.595	0	0		
0:10	29.72	12.82	127.8	5.591	0	0		
0:11	32.15	12.79	122.8	5.592	0	0		
0:11	34.59	12.76	122	5.592	0	0		
0:12	37.02	12.77	117.6	5.592	0	0		
0:12	39.47	12.71	118.7	5.589	0	0		
0:12	41.91	12.71	117.5	5.592	0	0		
0:13	44.34	12.75	117.7	5.591	0	0		
0:13	46.78	12.71	118.4	5.592	0	0		
0:14	49.21	12.71	116.9	5.604	0	0		
0:14	51.65	12.72	109.1	5.592	0	0		
0:15	54.09	12.74	108.9	5.596	0	0		
0:15	56.53	12.74	103.7	5.59	0	0		
0:16	58.97	12.16	96.05	5.594	0	0		
0:16	0	0	0	0	0	0	End Lead Slurry	
0:16	0	0	0	0	0	0	Reset Volume	
0:16	0	0	0	0	0	0	[CumVol]=90.45 bbl	
0:16	54.22	14.02	145.5	5.591	0	0		
0:16	3.276	14.71	172.9	5.601	0	0		
0:17	5.714	14.41	167.3	5.595	0	0		
0:17	8.161	14.65	177	5.592	0	0		
0:18	10.6	14.72	177.5	5.592	0	0		
0:18	13.03	14.69	174.8	5.592	0	0		
0:19	15.47	14.68	166	5.592	0	0		
0:19	17.9	14.76	168.6	5.596	0	0		
0:19	20.34	14.66	165.4	5.592	0	0		
0:20	22.78	14.57	157.1	5.592	0	0		
0:20	25.22	14.67	152.9	5.579	0	0		
0:21	27.66	14.66	145	5.592	0	0		
0:21	30.09	14.69	144.8	5.592	0	0		
0:22	31.76	13.45	19.47	327	0	0		
0:22	31.78	13.43	28.07	3373E-7	0	0		
0:22	31.78	13.45	23.49	3478E-10	0	0		
0:23	0	0	0	0	0	0	End Tail Slurry	
0:23	31.78	13.46	39.62	3687E-13	0	0	[CumVol]=31.78 bbl	
0:23	0	0	0	0	0	0	Reset Volume	

ORIGINAL

MOBIL DRILLING
CORPORATION

FEB 24 1998

MOBIL DRILLING

Well		Field			Service Date	Customer	Job Number
COMBES A1 UNIT #2		HUGOTON			11/3/97	MOBIL DRILLING	20028969
Time	CardVol	Density	Pressure MI	TotalFlowrate	Message		
24 hr clock	bbbl	ppg	psi	gpm			
0:23	0	0	0	0	0	0	Drop Top Plug
0:23	0	0	0	0	0	0	Start Displacement
0:23	4896E-6	13.45	-33.3	2827	0	0	
0:24	1.737	10.83	93.48	5.564	0	0	
0:24	4.171	8.740	44.21	5.562	0	0	
0:25	0	0	0	0	0	0	Returns at Surface
0:25	6.607	8.286	38.36	5.563	0	0	
0:25	9.043	8.247	53.74	5.591	0	0	
0:26	11.49	8.279	62.32	5.601	0	0	
0:26	13.93	8.28	72.02	5.592	0	0	
0:26	16.36	8.274	99.86	5.591	0	0	
0:27	18.8	8.275	119.2	5.592	0	0	
0:27	21.23	8.251	136.3	5.577	0	0	
0:26	23.67	8.23	155	5.592	0	0	
0:26	0	0	0	0	0	0	Lower Pump Rate
0:26	26.84	8.253	116.6	2.832	0	0	
0:26	26.77	8.249	117.7	2.049	0	0	
0:29	27.67	8.25	124.8	2.047	0	0	
0:29	28.56	8.238	140.5	2.056	0	0	
0:30	29.45	8.26	143.1	2.043	0	0	
0:30	30.35	8.234	141.3	2.045	0	0	
0:31	31.24	8.226	150	2.047	0	0	
0:31	32.13	8.242	163.4	2.048	0	0	
0:32	33.03	8.281	156.9	2.056	0	0	
0:32	33.69	8.244	765.5	1513	0	0	
0:32	0	0	0	0	0	0	Bump Top Plug
0:33	33.69	8.28	790.2	1561E-7	0	0	
0:33	33.69	8.26	785.9	161E-9	0	0	
0:33	33.69	8.287	787	166E-12	0	0	
0:34	33.69	8.282	779.2	1712E-16	0	0	
0:34	33.69	8.278	650.8	1766E-19	0	0	
0:35	33.69	8.256	376.7	1821E-22	0	0	
0:35	33.69	8.256	376.8	1878E-25	0	0	
0:36	33.69	0.430	375.5	1937E-28	0	0	
0:36	0	0	0	0	0	0	End Job

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	#1	Max	Minimum Rate	Total Slurry	Max	Spacer	#2		
55			6	97		27			0
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Flow	Average	Bump Plug to	Breakdown	Type	Volume	Spacers		
790	790	150	790			0 bbl			0 bbl
Avg #2 Percent	Designed Slurry Volume		Displacement		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 23 bbl <input type="checkbox"/> Washed They Part To 0 ft 68 Sk				
Customer or Authorized Representative			Downer Representative		<input type="checkbox"/> Circulate Only <input checked="" type="checkbox"/> Job Completed				
MARVIN HARVEY			Jeffrey Dutton						

ORIGINAL