

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 SIOG 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. _____

11-11-97 11-15-97 12-8-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-222040000

County Stevens

- NW - SE - SW Sec. 33 Twp. 32 Rge. 35 X E W

1250 Feet from S/N (circle one) Line of Section

1375 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 Decamp A2 Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2976 KB 2985

Total Depth 2969 PBDT 2913

Amount of Surface Pipe Set and Cemented at 584 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 AH1, 5-13-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 23,000 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.

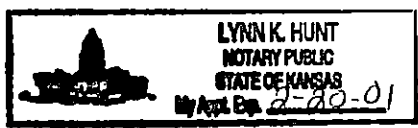
Signature Sharon A. Cook Sharon A. Cook
Title Regulatory Assistant Date 2-19-98

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

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001
8-18.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
(Specify)
2-24-98
1998 FEB 24 1998



SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Decamp A2 Unit Well # 4

Sec. 33 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 Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:
 NO LOGS RUN

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
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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#	584	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2959	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	2712-2727	Acid: 1,000 gals 7.5% HCL	
		Fracd: 17,000 gals WF130 in 75q foam	
		31,860 lbs 16/30 sand	

TUBING RECORD

Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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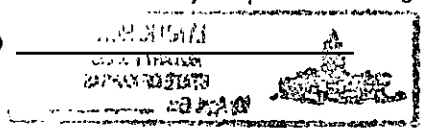
Date of First, Resumed Production, SWD or Inj. 12-3-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		193			

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 2712

Production Interval Other (Specify) 2727



CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 22851 DATE: 11-12-97
STATE: KS DISTRICT: Ulysses, KS

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

WELL NAME AND NO. **DeCamp A2-4** LOCATION (LEGAL) **Sec. 23-32S-35W** RIG NAME: **NORSEMAN #2**
 FIELD-POOL **Huerton** FORMATION **Stevens** WELL DATA: **BIT SIZE: 2 3/4** CSG/Liner Size **8 3/8** BOTTOM **24** TOP
 COUNTY/PARISH **Stevens** STATE **Ks.** API. NO. **584** TOTAL **584**
 NAME **Mobil Oil Corp** ROT CABLE **FOOTAGE** **584**
 AND **ORIGINAL** BHST BHCT **GRADE** **15550**
 ADDRESS **ZIP CODE** **THREAD** **820** TOTAL
MUD DENSITY **LESS FOOTAGE SHOE JOINT(S)** **37**
MUD VISC. **Disp. Capacity** **34.8**

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

Float	TYPE Bottom Plate	DEPTH 547	Stage Tool	TYPE	DEPTH
SHOE	TYPE cm + nose	DEPTH 584	Stage Tool	TYPE	DEPTH

Head & Plugs TBG D.P. SQUEEZE JOB
 Double WEIGHT GRADE THREAD NEW USED
 Single GRADE THREAD NEW USED
 Swage GRADE THREAD NEW USED
 Knockoff GRADE THREAD NEW USED
 TOP OR W NEW USED
 BOT OR W DEPTH

SPECIAL INSTRUCTIONS

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **240** PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **745** PSI BUMP PLUG TO **745** 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	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
0946	1230				ASAP	11-12	0500	11-12	1200	11-12	
0947	0		25		5.5	H2O					
0952	165		76		5.5	cm + 12.8					
1005	110		33		4	cm + 14.6					
1010	285			21	5.5	cm + 14.6					
1013	0										
1016	0		34.8		5	H2O					
1021	200		20		5	H2O					
1022	273		30		2						
1024	225		34		2						
1025	745		35		2						
1026											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED			
						BBLs	DENSITY		
1.	225	1.89	50% cement	6% gel	3% cacl ₂	5% D44	1/4" D29	75.7	12.8
2.									
3.	150	1.22	50% cement	2.5% cacl ₂				2.5	14.6
4.									
5.									
6.									

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO

BREAKDOWN PSI: **24.8** Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE: **R.D. Woolley**

PRESSURE MAX. **1505** MIN. **5** Cement Circulated To Surf. YES NO

TYPE OF WELL: OIL STORAGE BRINE WATER GAS INJECTION WILDCAT

DS SUPERVISOR: **J. Esquivel**

Cementing Service Report

Customer: MOBIL DRILLING Job Number: 20028857

Well UNIT A2 DECAMP 4		Location (legal) 33, 32S, 35W		Dowell Location Ulysses, KS		Service Date 11/3/97		
Field HUGOTON		Formation Name/Type Shale		Deviation 0	Bit Size 7.88 in	Well MD 2,969 ft	Well TVD 2,969 ft	
County Stevens		State/Province KS		BHP psi	BHST °F	BHCT °F	Poro Press. Gradient psi/ft	
Rig Name	Drilled For Gas	Service Via Land		Casing/Liner				
				Depth, ft	Size, in	Weight, lb/ft	Grade	
				2959	5.5	14	H40	
Offshore Zone	Well Class New	Well Type Development		0	0	0		
Drilling Fluid Type Bentonite		Max. Density 9.2 lb/gal	Plastic Viscosity 0 cp		Tubing/Drill Pipe			
				Depth,	Size, in	Weight, lb/ft	Grade	
				0	0	0		
Service Line Cementing	Job Type Cem Prod Casing			0	0	0		
Max. Allowed Tubing Pressure 2500 psi	Max. Allowed Ann. Pressure 2500 psi	Wellhead Connection Single cement head		Perforations/Open Hole				
				Top, ft	Bottom, ft	spf	No. of Shots	
				0	0	0	0	
				0	0	0	0	
				0	0	0	0	
				Treat Down Casing	Displacement 71 bbl	Packer Type	Packer Depth 0 ft	
				Tubing Vol. 0 bbl	Casing Vol. 73 bbl	Annular Vol. 92 bbl	Open Hole Vol 0 bbl	
Casing/Tubing Secured <input type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>			Casing Tools		Squeeze Job		
Lift Pressure: 605 psi				Shoe Type: Guide	Squeeze Type			
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>			Shoe Depth: 2959 ft	Tool Type:			
No. Centralizers: 6	Top Plugs: 1	Bottom Plugs:		Stage Tool Type	Tool Depth: 0 ft			
Cement Head Type: Single				Stage Tool Depth: 0 ft	Tail Pipe Size: 0 in			
Job Scheduled For: 11/14/97 17:00	Arrived on Location: 11/14/97 17:00	Leave Location:		Collar Type: Float	Tail Pipe Depth: 0 ft			
				Collar Depth: 2915 ft	Sqz Total Vol: 0 bbl			
Time	CumVol	Density	Pressure U1	Pump	Rezero		Message	
24 hr clock	bbl	ppg	psi	bpm	bbl			
23:11	0	0	0	0	0	0	START ACQUISITION	
23:11	0	-6.25	-3614	0	0	0		
23:12	.1599	7.907	2085	3232E-6	.1599	0		
23:12	0	0	0	0	0	0	Pressure Test Lines	
23:12	.1616	7.898	1640	5834E-10	.1616	0		
23:13	.1616	7.903	-17.44	7251E-14	.1616	0		
23:13	0	0	0	0	0	0	Reset Volume	
23:13	0	0	0	0	0	0	[CumVol]=.1616 bbl	
23:14	6638E-15	7.908	-14.61	9013E-18	.1616	0		
23:14	0	0	0	0	0	0	Start Job	
23:14	.9878	8.316	197.7	2.265	1.149	0		
23:15	3.845	8.333	225.7	2.449	4.006	0		
23:15	6.75	8.278	224.6	2.422	6.911	0		
23:16	9.697	8.247	228.4	2.457	9.859	0		
23:16	12.64	8.258	232	2.454	12.8	0		
23:17	15.58	8.258	234.7	2.431	15.74	0		
23:18	18.53	8.255	238.5	2.439	18.69	0		
23:18	21.46	8.268	248.6	2.439	21.63	0	RECEIVED STATE COMMISSION	
23:19	0	0	0	0	0	0	End Lead Slurry	
23:19	0	0	0	0	0	0	Reset Volume [CumVol]=24.05 bbl	
23:19	0	0	0	0	0	0	NOV 24 1998	
23:19	.2586	11.39	248	2.425	24.56	0	CONSERVATION DIVISION	

ORIGINAL

Well	UNIT A2 DECAMF #4			Field	HUGGOTON			Service Date	Customer	Job Number
							11/3/97	MOBIL DRILLING	20028857	
Time	CumVol	Density	Pressure U1	Pump	Rezero	Message				
24 Hr clock	bbl	ppg	psi	ppm	bbl					
23:19	3,194	12.17	260.6	2,417	27.49		0	0		
23:20	6,136	11.25	241.1	2,437	30.44		0	0		
23:20	9,063	12.05	248.2	2,425	33.36		0	0		
23:21	11,999	11.52	221.3	2,421	36.29		0	0		
23:22	14,92	12.08	214.1	2,418	39.22		0	0		
23:22	17,85	11.2	193.9	2,429	42.15		0	0		
23:23	20,79	11.27	185.8	2,411	45.09		0	0		
23:23	23,71	11.74	180.3	2,414	48.01		0	0		
23:24	26,64	11.58	170.7	2,426	50.94		0	0		
23:24	29,57	11.39	155.8	2,413	53.87		0	0		
23:25	32.5	11.65	148.8	2,425	56.8		0	0		
23:26	35,44	11.38	133.6	2,434	59.74		0	0		
23:26	38,37	11.62	123.2	2,412	62.67		0	0		
23:27	41.3	11.46	114.6	2,419	65.6		0	0		
23:27	44,23	11.56	114.9	2,43	68.53		0	0		
23:28	47,17	11.51	110.2	2,408	71.47		0	0		
23:28	50.1	11.67	109.1	2,424	74.4		0	0		
23:29	53,03	11.83	113.8	2,428	77.33		0	0		
23:30	55,95	11.41	111.9	2,413	80.25		0	0		
23:30	58,88	11.5	110.5	2,425	83.18		0	0		
23:31	61,82	11.46	107.6	2,431	86.12		0	0		
23:31	64,75	11.51	106.8	2,413	89.05		0	0		
23:32	67,69	11.45	106.9	2,419	91.99		0	0		
23:32	70,61	11.41	105.6	2,438	94.91		0	0		
23:33	73,54	11.4	103.5	2,408	97.84		0	0		
23:34	76,48	11.45	105.1	2,426	100.8		0	0		
23:34	79,4	11.52	104.5	2,42	103.7		0	0		
23:35	82,33	11.43	103.7	2,41	106.6		0	0		
23:35	85,26	11.63	107	2,423	109.6		0	0		
23:36	88,18	11.46	103.7	2,416	112.5		0	0		
23:36	91,11	11.45	101.2	2,407	115.4		0	0		
23:37	94,03	11.41	94.01	2,413	118.3		0	0		
23:38	96,95	11.75	103.8	2,421	121.2		0	0		
23:38	99,87	11.66	100.4	2,393	124.2		0	0		
23:39	102,8	11.53	100.2	2,412	127.1		0	0		
23:39	105,7	11.63	99.84	2,424	130		0	0		
23:40	0	0	0	0	0		0	0	Start Mixing Tail Slurry	
23:40	108,7	11.58	88.4	2,374	133		0	0		
23:40	111,4	14.43	83.87	2,401	135.7		0	0		
23:41	113,9	15.1	179	2,399	138.2		0	0		
23:42	116,7	15.42	143.7	2,411	141		0	0		
23:42	119,1	15.3	161.2	2,413	143.4		0	0		
23:43	122	14.88	174.6	2,399	146.3		0	0		
23:43	124,9	14.73	165.8	2,411	149.2		0	0		
23:44	0	0	0	0	0		0	0	End Tail Slurry	
23:44	127,8	14.71	169	2,413	152.1		0	0		
23:44	130,8	14.91	170.9	2,399	155.1		0	0		
23:45	133,7	14.32	169.4	2,421	158		0	0		
23:45	0	0	0	0	0		0	0	PAUSE ACQUISITION	
23:50	135,2	7.327	13E-5	1072E-12	159.5		0	0	RESTART AFTER PAUSE	
23:50	0	0	0	0	0		0	0	[CumVol]=135.2 bbl	
23:50	0	0	0	0	0		0	0	Reset Volume	
23:50	0	0	0	0	0		0	0	Drop Top Plug	
23:51	0	0	0	0	0		0	0	Start Displacement	

ORIGINAL

RECEIVED
OPERATION COMMISSION
STATE OF KANSAS
NOV 2 1998

Well		Field				Service Date		Customer		Job Number
UNIT A2 DECAMP #4		HUGOTON				11/3/97		MOBIL DRILLING		20028857
Time	CumVol	Density	Pressure U1	Pump	Rezero			Message		
24 hr clock	bbl	ppg	psi	bpm	bbl					
23:51	1259E-14	7.488	-0308	1023E-16	159.5	0	0			
23:51	.3356	6.995	29.45	.5845	159.8	0	0			
23:52	.3984	7.286	-2.025	2469E-5	159.9	0	0			
23:52	.4003	7.28	-4417	4142E-9	159.9	0	0			
23:53	.929	7.408	42.92	1.372	160.4	0	0			
23:54	3.84	8.624	73.05	2.468	163.3	0	0			
23:54	6.797	8.821	72.74	2.467	166.3	0	0			
23:55	9.752	8.512	66.37	2.489	169.2	0	0			
23:55	12.72	8.081	64.15	2.487	172.2	0	0			
23:56	15.74	7.97	76.56	2.493	175.2	0	0			
23:56	19	7.926	77.94	2.496	178.5	0	0			
23:57	22.27	7.908	76.91	2.479	181.8	0	0			
23:58	25.54	7.906	111.2	2.477	185	0	0			
23:58	28.8	7.905	143.9	2.487	188.3	0	0			
23:59	32.07	7.906	169.5	2.466	191.6	0	0			
23:59	35.33	7.905	203.7	2.468	194.8	0	0			
0:00	38.58	7.906	229.8	2.468	198.1	0	0			
0:00	41.83	7.87	260.6	2.45	201.3	0	0			
0:01	45.08	7.843	302.1	2.464	204.6	0	0			
0:02	48.34	7.849	369.3	2.473	207.8	0	0			
0:02	51.58	7.845	445	2.453	211.1	0	0	ORIGINAL		
0:03	54.81	7.87	512.2	2.45	214.3	0	0			
0:03	58.04	7.913	580.1	2.445	217.5	0	0			
0:04	61.27	8.028	639.8	2.444	220.8	0	0			
0:04	64.5	8.016	711.5	2.442	224	0	0			
0:05	0	0	0	0	0	0	0	Lower Pump Rate		
0:05	67.59	7.972	718.2	3.986	227.1	0	0			
0:06	69	7.946	673.1	2.183	228.5	0	0			
0:06	70.25	8.899	686.9	2.178	229.7	0	0			
0:07	71.48	8.212	702.4	2.12	231	0	0			
0:07	0	0	0	0	0	0	0	Bump Top Plug		
0:07	72.06	7.244	1363	1008E-5	231.5	0	0			
0:08	72.06	7.254	1086	1253E-9	231.5	0	0			
0:08	72.06	6.676	11.36	1557E-13	231.5	0	0			
0:09	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			5.5	135		25	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to Breakdown	Type	Volume	Density	
1363	1363	400	1363			bbl	lb/gal
Avg. N2 Percent %		Designed Slurry Volume	Displacement	<input type="checkbox"/> Cement Circulated to Surface?		Volume	0 bbl
		0 bbl	71 bbl	<input type="checkbox"/> Washed Thru Perfs To		0 ft	
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost	
Russell Worley			Jeffrey Dutton			<input checked="" type="checkbox"/> Job Completed	

RECEIVED
STATE COMMISSION

FEB 24 1998