

ORIGINAL

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 SLOW 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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
11-9-95 11-12-95 12-5-95
Spud Date Date Reached TD Completion Date

API NO. 15- 189-219950000
County Stevens
- SW - NE - SW Sec. 18 Twp. 31S Rge. 35 X W
1450 Feet from S/N (circle one) Line of Section
1350 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 Hinshaw Estate Unit Well # 5
Field Name Hugoton
Producing Formation Chase
Elevation: Ground 3008 KB 3016
Total Depth 2864 PBTB 2808
Amount of Surface Pipe Set and Cemented at 523 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 ALT 1 994 4-3-96
(Data must be collected from the Reserve Pit)
Chloride content 5,200 ppm Fluid Volume 360 bbls
Dewatering method used Waste Minimization Mud System
Location of fluid disposal if hauled offsite: _____
Operator Name Mobil Oil Corporation
Lease Name William Rapp #1 SWDW License No. 5208
NW Quarter Sec. 13 Twp. 31 Rge. 36 E/W
County Stevens Docket No. D-19,690

RECEIVED
KANSAS CORP COM
FEB-8 A 11 1996
2-8-96

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 2-7-96

Subscribed and sworn to before me this 7th day of February, 1996.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999
6-70.kcc

NOTARY PUBLIC - State of Kansas
DANA S. BAILEY
My Appt. Exp. 8-30-99

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)

Operator Name Mobil Oil Corporation Lease Name Hinshaw Estate Unit Well # 5

Sec. 18 Twp. 31S 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:
 High Resolution Dual Induction Focused Log Gamma Ray
 Z-Densilog Compensated Neutron Spectralog
 Caliper Log Gamma Ray

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Glorietta	1250	1429
Stone Corral	1712	1767
Chase	2544	--
Council Grove	--	--

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#	523	Class C	150	50:50 C/poz
					Class C	150	50:50 C/poz
Production Casing	7.875	5.500	14#	2854	Class C	125	3% D79
					Class C	75	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
1 SPF	2572-2582	Acid: 750 gals 7.5% HCL	
	2610-2620	Fract: 659 bbls 20# Crosslink gel	
	2658-2668	137,000 lbs 12/20 Brady Sand	
	2707-2727		

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.	12-4-95	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	279	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: Other (Specify) _____

NOV 18 1995
 STEVENS COUNTY, ND
 REGISTRATION

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER	DATE
506	11-9-95
ST. 1	DS 02 DISTRICT 12

DS-496-A PRINTED IN U.S.A. 6

WELL NAME AND NO. Hushaw ST. #3	LOCATION (LEGAL) SEC. 18-315-354	RIG NAME: NO. 2
FIELD-POOL HUSTON	FORMATION SURF.	WELL DATA:
COUNTY/PARISH STEVENS	STATE KS	BIT SIZE 12 1/4
NAME Mobil	API. NO.	CSG/Liner Size 8 3/8
AND		TOTAL DEPTH 24
ADDRESS		WEIGHT 24
ZIP CODE		FOOTAGE 526
SPECIAL INSTRUCTIONS		GRADE 15550
		THREAD 8RD
		LESS FOOTAGE SHOE JOINT(S) 487
		Disp. Capacity 31

ORIGINAL

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

Float	TYPE	BoE Plug	Stage Tool	TYPE
	DEPTH	480		DEPTH
SHOE	TYPE	CM2050		TYPE
	DEPTH	526		DEPTH

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Head & Plugs <input type="checkbox"/> Double <input checked="" type="checkbox"/> Single	<input type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB
LIFT PRESSURE 230 PSI	<input type="checkbox"/> Swage <input type="checkbox"/> Knockoff	<input type="checkbox"/> GRADE <input type="checkbox"/> THREAD	TOOL TYPE DEPTH
PRESSURE LIMIT 1500 PSI	<input type="checkbox"/> NEW <input type="checkbox"/> USED	TUBING VOLUME	DEPTH
ROTATE RPM RECIPROCATE FT No. of Centralizers	BOT <input type="checkbox"/> OR <input type="checkbox"/> W	DEPTH	TOTAL Bbls
		ANNUAL VOLUME	Bbls

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											
11:42		1900	X								
11:45		170	18	X	5.7	11	11				
11:49		180	51	18	5.7	507	12.8				
11:50		150	33	69	5.7	507	14.6				
12:03				102							
12:06		100	31		4	420	8.3				
12:08		130		70	4	11	11				
12:11		140		22	2	11	11				
12:15		180		30	2	11	11				
12:16		740		31	2	11	11				
12:17		250		-	-	4	4				

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1.	150	1.89	50% 92	50% 92 + 6% 0-20 + 2% 5-1 + 5% 1244 (10.211) + 1/2% 12.8	51	12.8		
2.								
3.	150	1.22	50% 92 + 2.5% 5-1 + 1/2% 12.8		33	14.6		
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	2.0 Bbls
BREAKDOWN PSI FINAL	PSI	DISPLACEMENT VOL. Bbls	TYPE OF WELL	<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER	605KS
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT. MEASURED DISPLACEMENT <input type="checkbox"/>	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILD CAT	
PERFORATIONS	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR.	
	TO	JEFF LASITER		REY REARDON	

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-12-7814	DATE 11-12-95
STAGE DS	DISTRICT ULYSSES, KS

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

WELL NAME AND NO. HINSHAW ESTATE #3	LOCATION (LEGAL) SEC 18-31S-35W	RIG NAME: NORSMAN #2
FIELD-POOL HUGOTON	FORMATION CHASE	WELL DATA:
COUNTY/PARISH STEVENS	STATE KS	API NO.
NAME MOBIL OIL CORP.		BIT SIZE 7 7/8
AND		CSG/Liner Size 5 1/2
ADDRESS		TOTAL DEPTH 14
ZIP CODE		WEIGHT 2853
SPECIAL INSTRUCTIONS		FOOTAGE 2853
SAFELY CEMENT 5 1/2"		MUD TYPE U550
PRODUCTION CASING WITH 125 SKS OF LEAD AND 75 SKS OF TAIL AS DIRECTED BY THE CUSTOMER		GRADE 8RD
		THREAD 45
		LESS FOOTAGE SHOE JOINT(S) 68.5
		DISP. CAPACITY 68.5

ORIGINAL

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	DISP. CAPACITY 68.5	TOTAL
LIFT PRESSURE 1450 PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)	
PRESSURE LIMIT 500 OVER PSI	BUMP PLUG TO 1160 PSI	
ROTATE RPM RECIPROCATE FT No. of Centralizers		

Head & Plugs	<input checked="" type="checkbox"/> TBG <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 checked="" 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

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME: 1600 DATE: 11-12-95	ARRIVE ON LOCATION TIME: 1545 DATE: 11-12-95	LEFT LOCATION TIME: 1900 DATE: 11-12-95
0001 to 2400	TBG OR D.P.	CASING	INJECT RATE	FLUID TYPE	FLUID DENSITY

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME: 1600 DATE: 11-12-95	ARRIVE ON LOCATION TIME: 1545 DATE: 11-12-95	LEFT LOCATION TIME: 1900 DATE: 11-12-95
0001 to 2400	TBG OR D.P.	CASING	INJECT RATE	FLUID TYPE	FLUID DENSITY
1700					PRE-JOB SAFETY MEETING
1712	2500			H ₂ O	8.34
1713		35	5.4	H ₂ O	8.34
1720		61	5.4	CMT	11.5
1732		18	3.5	CMT	14.8
1737					
1741		68	3.2	H ₂ O	8.34
1800					
1804			1.80	H ₂ O	8.34
1805					
1805					
1807					

REMARKS LOST RETURNS 50 bbl INTO LEAD GOT RETURNS BACK 10 bbl INTO TAIL
20 bbl LOST

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
						BBLs	DENSITY
1.	125	2.75	CLASS C + 37% B79 + 0.27% D46 + 1/4#/BK D29			61.2	11.5
2.	75	1.37	CLASS C + 27% B28 + 27% S1 + 0.67% D60 + 0.27% D46			18.2	14.9
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 type="checkbox"/> NO	Cement Circulated To Surf.	<input type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL. 60 Bbls	TYPE OF WELL
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input checked="" type="checkbox"/>	<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	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	
			JEFF LASITER	RUSS WAGSTAFF	