

ORIGINAL

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

API NO. 15- 189-220840000

County Stevens

       - SW - NE - NE Sec. 14 Twp. 32S Rge. 36 X W<sup>E</sup>

1250 Feet from S/W (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 Morrell #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3051 KB 3060

Total Depth 2991 PBDT 2937

Amount of Surface Pipe Set and Cemented at 692 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 A17.1.2-25-98-U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 2,500 ppm Fluid volume 260 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite: 11-6-96

Operator Name Mobil Oil Corporation

Lease Name Parker Est. #1-2 SWDW License No. 5208

SW Quarter Sec. 19 Twp. 34 S Rhg. 36 E/W

County Stevens Docket No. D-23,898

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        S10W        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        PBDT

       Commingled        Docket No.       

       Dual Completion        Docket No.       

       Other (SWD or Inj?)        Docket No.       

7-21-96 7-24-96 8-23-96  
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 11-5-96

Subscribed and sworn to before me this 5th day of November, 19 96.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999  
6-197.kcc

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

K.C.C. OFFICE USE ONLY		
F	<u>      </u>	Letter of Confidentiality Attached
C	<u>      </u>	Wireline Log Received
C	<u>      </u>	Geologist Report Received
Distribution		
<u>1</u>	KCC	<u>      </u> SWD/Rep <u>      </u> NGPA
<u>      </u>	KGS	<u>      </u> Plug <u>      </u> Other (Specify)

Operator Name Mobil Oil Corporation Lease Name Morrell #1 Unit Well # 3  
 Sec. 14 Twp. 32S Rge. 36  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#	692	Class C Class C	250 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2981	Class C Class C	140 75	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
1 SPF	2687-2702	Acid: 1,000 gals 7.5% HCL	
	2736-2751	Fract: 29,000 gals 20# Crosslink gel	
	2795-2815	140,520 lbs 12/20 Brady 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. 8-20-96			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	
		313				

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

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

Production Interval: \_\_\_\_\_ 2687 \_\_\_\_\_ 2815 \_\_\_\_\_

**CEMENTING SERVICE REPORT**

Schlumberger  
Dowell

TREATMENT NUMBER: 8514 DATE: 7-23-96  
STAGE: DS DISTRICT: Okfussey, Ks.

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

WELL NAME AND NO.: *Morrell #1-3*  
LOCATION (LEGAL): *Sec. 14-32s-36w*  
FIELD-POOL: *Huoston*  
FORMATION: *Stevens*  
COUNTY/PARISH: *Stevens* STATE: *Ks.* API. NO.:

RIG NAME: *NORSEMAN #2*  
WELL DATA: WELL NAME: *NORSEMAN #2*  
BIT SIZE: *5 7/8* CSG/Liner Size: *5 7/8* BOTTOM: *14* TOP: *14*  
TOTAL DEPTH: *2981* WEIGHT: *14* ORIGINAL  
 ROT  CABLE FOOTAGE: *2981*  
MUD TYPE: *USC55* GRADE: *USC55*  
 BHST  BHCT THREAD: *820*  
MUD DENSITY: *11.3* LESS FOOTAGE SHOE JOINT(S): *44* TOTAL  
MUD VISC.: *716* Disp. Capacity: *716*

NAME: *Mobil Oil Corp*  
AND:  
ADDRESS:  
ZIP CODE:

SPECIAL INSTRUCTIONS:

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

Float	TYPE	<i>1 1/2 sept Float Valve</i>	TYPE	
	DEPTH	<i>2937</i>	DEPTH	
SHOE	TYPE	<i>cmf nose</i>	TYPE	
	DEPTH	<i>2981</i>	DEPTH	

Head & Plugs:  Double  Single  Swage  Knockoff  
 TBG  D.P. SQUEEZE JOB  
SIZE: WEIGHT: GRADE: THREAD: DEPTH: TAIL PIPE: SIZE: DEPTH: TUBING VOLUME: Bbls  
TOP  R  W  NEW  USED CASING VOL. BELOW TOOL: Bbls  
BOT  R  W DEPTH: TOTAL: Bbls  
ANNUAL VOLUME: Bbls

IS CASING/TUBING SECURED?  YES  NO  
LIFT PRESSURE: *1758* PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>): *1480* PSI  
PRESSURE LIMIT: *1480* PSI BUMP PLUG TO: *1480* PSI  
ROTATE: RPM: RECIPROCATATE: FT: No. of Centralizers:

JOB SCHEDULED FOR TIME: *7:00* DATE: *7-23-96* ARRIVE ON LOCATION TIME: *7:00* DATE: *7-23-96* LEFT LOCATION TIME: *7:30* DATE: *7-23-96*

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											
2034	2500										
2036	0		10		5.6	H <sub>2</sub> O					
2038	220		68.5		5.6	cmf	11.5				
2045	160		40		5.6	cmf	11.5				
2050	100		18.2		4	cmf	14.8				
2052	120		10		4	cmf	14.8				
2054	0										
2057	0		71.6		5.6	H <sub>2</sub> O					
2101	100		20		5.6	H <sub>2</sub> O					
2103	140		30		5.6						
2104	240		40		5.6						
2106	370		50		5.6						
2108	610		60		5.6						
2108	680		63		2						
2110	560		66		2						
2111	580		70		2						
2112	1480		71.6		2						

REMARKS: *PRE-JOB SAFETY MEETING + PSI Test lines*  
*start H<sub>2</sub>O ahead*  
*start lead cmf*  
*PSI check*  
*start tail cmf*  
*PSI check*  
*shutdown wash pump lines deep top plug*  
*start displacement*  
*PSI check*  
*" "*  
*" "*  
*" "*  
*lower rate*  
*PSI check*  
*PSI check*  
*bump top plug*  
*bleed psi of check float + holding*  
*end job*

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY	
1.	140	2.75	class C + 3% D79 + .2% D46 + 1/4" D79	68.5	11.3		
2.							
3.	75	1.37	class C + 2% B28 + 2% rock + .6% D60 + .2% D46 + 1/4" D79	18.2	14.8		
4.							
5.							
6.							

BREAKDOWN FLUID TYPE:  HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO Bbls.  
BREAKDOWN PSI: FINAL PSI: *71.6* Bbls. TYPE OF WELL:  OIL  STORAGE  BRINE WATER  GAS  INJECTION  WILDCAT  
Washed Thru Perfs:  YES  NO TO: FT. MEASURED DISPLACEMENT:  WIRELINE  
PERFORATIONS: TO: TO: CUSTOMER REPRESENTATIVE: *Dennis Russell* SUPERVISOR: *James Esquivel*

RECEIVED  
MAGSAS ODRP COMM  
NOV-6 AM 11:33

