

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- 189-21970000

County Stevens

SW - NE - NW Sec. 14 Twp. 33S Rge. 37 X E W

1250 Feet from S (circle one) Line of Section

1500 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Albert #2 Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3084 KB 3095

Total Depth 2960 PBDT 2908

Amount of Surface Pipe Set and Cemented at 636 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 I 3-14-96  
(Data must be collected from the Reserve Pit) RD

Chloride content 18,400 ppm Fluid volume 260 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name Hill #3 SWD License No. 5208

SW Quarter Sec. 3 Twp. 33 S Rng. 37 E W

County Stevens Docket No. CD-117710

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: Murfin Drilling Co., Inc.

License: 30606

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, Explosive, Cathodic, etc)

If Workover: **RECEIVED**  
**STATE CORPORATION COMMISSION**  
**12-11-95**  
**DEC 11 1995**

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date **CONSERVATION DIVISION**  
**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. \_\_\_\_\_

8-14-95 8-17-95 9-13-95  
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 12-7-95

Subscribed and sworn to before me this 7th day of December, 19 95.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999

5-234.kcc

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received

✓  KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

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

Operator Name Mobil Oil Corporation Lease Name Albert #2 Unit Well # 4  
 Sec. 14 Twp. 33S Rge. 37  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#	636	Class C Class C	175 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2953	Class C Class C	300 150	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	2617-2625 2804-2814	Acid: 1,000 gals 7.5% HCL	
	2652-2672	Fract: 614 bbls 20# Crosslink Gel	
	2706-2716	102,179 lbs 12/20 Brady Sand	
	2756-2776		

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. 9-11-95	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 183 Mcf	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  Other (Specify) \_\_\_\_\_

Production Interval: \_\_\_\_\_ 2617 \_\_\_\_\_ 2814

CEMENTING SERVICE REPORT

Schlumberger  
Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER	8-17-95	DATE	8-17-95
STAGE	DS	DISTRICT	2145555

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

WELL NAME AND NO. **Alb rpt 2-4** LOCATION (LEGAL) **Sec. 14-33s-37w**

FIELD-POOL **Hugoton** FORMATION

COUNTY/PARISH **Stephens** STATE **Ks** API. NO.

NAME **Mobil Oil Corp**

AND

ADDRESS

ZIP CODE

RIG NAME: **Mur Fin #24**

WELL DATA:		BOTTOM	TOP
BIT SIZE <b>1 7/8</b>	CSG/Liner Size <b>5 7/8</b>		
TOTAL DEPTH <b>2760</b>	WEIGHT <b>14</b>		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <b>2953</b>		
MUD TYPE	GRADE <b>11555</b>		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD <b>8ed</b>		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) <b>47</b>		TOTAL
MUD VISC.	Disp. Capacity <b>71</b>		

ORIGINAL

Float	TYPE <b>Insert Float valve</b>	Stage Tool	TYPE
	DEPTH <b>2911</b>		DEPTH
SHOE	TYPE <b>cmt nose</b>	Stage Tool	TYPE
	DEPTH <b>2953</b>		DEPTH

SPECIAL INSTRUCTIONS

**RECEIVED**  
STATE CORPORATION COMMISSION

**DEC 1 1 1995**

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE **1741** PSI CASING WEIGHT SURFACE AREA **3.14 x R<sup>2</sup> x L**

PRESSURE LIMIT **1330** PSI BUMP PLUG TO **1330** PSI

ROTATE RPM RECIPROCAT FT No. of Centralizers

Head & Plugs  TBG  D.P. SQUEEZE JOB

Double  Single  Swage  Knockoff

SIZE WEIGHT GRADE THREAD

TOOL TYPE DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL DEPTH Bbls

ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME DATE			ARRIVE ON LOCATION TIME DATE			LEFT LOCATION TIME DATE	
0001 to 2400	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY					

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0656	3100							PRE-JOB SAFETY MEETING
0658	310	25			5.7	H10		PSI Test
0702	340	146			5.8	cmt	11.5	start H2O ahead
0715	140		74		5.8	cmt	11.5	start lead cmt.
0728	120	36.5			5.8	cmt	14.8	psi check
0732	240		216		5.8	cmt	14.8	start tail cmt.
0734	0							psi check
0736	0	71			6	H2O		psi check
0740	100		20		6	H2O		psi check
0741	240		30		6			" "
0742	290		35		6			cmt to surface
0743	400		40		6			psi check
0744	590		50		6			" "
0746	790		703		2.4			lower rate
0748	700		67		2.4			psi check
0750	1330		71		2.4			bump top plug
0751								bleed psi of check float + holding end job

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	300	2.75	class C + 3% D79 + .2% D46 + 4% D29				146.9	11.5
2.								
3.	150	1.37	class C + 2% B28 + 2% cact2 + .6% D60 + 2% D46				36.5	14.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE

HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST

DENSITY PRESSURE MAX. MIN.

YES  NO Cement Circulated To Surf.  YES  NO Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **71** Bbls

Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Dennis Russell** DS SUPERVISOR **James Esquivel**

**CEMENTING SERVICE REPORT**

**Schlumberger**

**Dowell**

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER 1372	DATE 8-19-95
STAGE 1	DS 03
DISTRICT 12	

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

WELL NAME AND NO. ALBERT 2-4	LOCATION (LEGAL) SEC. 14-335-37W
FIELD-POOL HUGOTON	FORMATION SURF
COUNTY/PARISH STEVENS	STATE KS.
API. NO.	

RIG NAME: MURKIN 24	WELL DATA:		BOTTOM	TOP
BIT SIZE 11 7/8	CSG/Liner Size 8 1/2	WEIGHT 24		
TOTAL DEPTH 636	FOOTAGE 636			
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	GRADE USSG			
MUD TYPE	THREAD 8 1/2			
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	LESS FOOTAGE SHOE JOINT(S) 593			TOTAL
MUD DENSITY	Disp. Capacity 37.8			
MUD VISC.				

NAME MOBIL OIL CORP. **ORIGINAL**

ADDRESS \_\_\_\_\_

ZIP CODE \_\_\_\_\_

SPECIAL INSTRUCTIONS  
*Surf log cut 8 1/2" casing per customer's orders as follows.*

Float	TYPE REG. PLUG	STAGE TOOL	TYPE
	DEPTH 593		DEPTH
SHOE	TYPE CMT ROSE		TYPE
	DEPTH 636		DEPTH

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

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE 265 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 × R<sup>2</sup>)

PRESSURE LIMIT 2000 PSI BUMP PLUG TO 730 PSI

ROTATE RPM \_\_\_\_\_ RECIPROCATE \_\_\_\_\_ FT \_\_\_\_\_ No. of Centralizers \_\_\_\_\_

JOB SCHEDULED FOR TIME: 20:00 DATE: 8/19/95 ARRIVE ON LOCATION TIME: 20:00 DATE: 8-14 LEFT LOCATION TIME: \_\_\_\_\_ DATE: 14-96

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								PRE-JOB SAFETY MEETING
23:01		2500				H2O 8.3		PSI TEST
23:03		120	26	×	6	" "		START H2O
23:07		150	59	26	6	CMT 12.8		START 20 CMT
23:17		100	35	85	6	CMT 14.6		START 7L CMT
23:23		100		120	6	CMT 14.6		SHOT DOWN AND DROP TOP PLUG
23:25		50	378		6	H2O 9.3		START DISP
23:28		180		18	6	" "		PSI CHECK
23:30		240		29	6	" "		LOWER RATE
23:31		180		31	2	" "		PSI CHECK
23:36		190		31	2	" "		CMT TO SURF
23:35		730		378	2	" "		BUMP TOP PLUG
23:37		280						CLOSE IN KEEP PRES
23:38								END JOB RELEASE DOWELL

REMARKS  
CONSERVATION DIVISION  
Wichita, Kansas

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	175	1.87	80	2 + 6% D-20 + 2% S-1 + 5% 044 (WOOD) + 4% SK D-29	59	12.8
2.				GEL CALCIUM SALT	38	
3.	175	1.22	80	2 + 2.5% S-1 + 4% SK D-29	35	14.6
4.				calcium calcium fluoride		
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.	Bbls	TYPE OF WELL	<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER
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"/> WILDGAT
PERFORATIONS	TO TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR	
		D. Russell		RH Pearson	