

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACD-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: Cheyenne Drilling

License: 5382

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  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

11-28-94 12-1-94 1-11-95  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21352-00-00

County Morton

Appr 70' S of C - SW Sec. 26 Twp. 34S Rge. 40  E  W

1250 Feet from  N (circle one) Line of Section

1350 Feet from  W (circle one) Line of Section

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

Lease Name O'Conner Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3360 KB 3371

Total Depth 2900 PBDT 2834

Amount of Surface Pipe Set and Cemented at 490 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 1 894 9-14-95  
(Data must be collected from the Reserve Pit)

Chloride content 15,100 ppm Fluid volume 592 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Mobil Oil Corporation

Lease Name Mangels #1-2 SWDW License No. 5208

SE Quarter Sec. 6 Twp. 34 S Rng. 39  E/W

County Morton Docket No. D-19,354

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FEB 2 1995  
CONSERVATION DIVISION  
WICHITA, KANSAS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 2-20-95

Subscribed and sworn to before me this 20<sup>th</sup> day of February, 19 95.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998

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 **ORIENTAL** Mobil Oil Corporation Lease Name O'Conner Unit Well # 3

Sec. 26 Twp. 34S Rge. 40  East  West County Morton

**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 checked="" type="checkbox"/> Log	<b>Formation (Top), Depth and Datums</b>	<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	Glorietta	1275	1435
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stone Corral	1710	1750
List All E.Logs Run:		Chase	2500	2857
Dual Induction Focused Log - Gamma Ray Caliper		Council Grove	2857	--
Z-Densilog Compensated Neutron Spectralog				

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#	490	Class C Class C	125 sx 175 sx	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2890	Class C Class C	220 sx 200 sx	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				

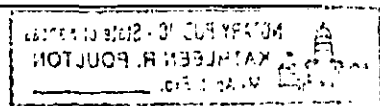
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	*See Attached Well History		

<b>TUBING RECORD</b>	Size <u>None</u>	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 1-6-95	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	Water Bbls.	Gas-Oil Ratio
		209		

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** 2535  
2625



Well Data - Well History Report

Lease: O'CONNER UNIT WELL #3  
API #: 15-129-21352-00

Well #: 3  
State: KS  
Ppty ID: 1996500

Well ID: 0053024  
County: MORTON  
OCSG #:

Spud Date: 11/28/1994  
Spud Time: 15:00

Water Depth: 0  
Original Ref Point: KB

KB Height: 10  
BH Height: 0  
DF Height:

ORIGINAL

Drilling Job Start/End: 11/28/94 @ 15:00 to 12/01/94 @ 16:00  
Completion Job Start/End: 12/12/94 @ 13:00 to 01/11/95 @ 10:00

DATE	ACTIVITY	OD	TD	Diam(@TD)	Plug Back Date	Plug Back Depth (PBT)
11/28/94	CASING	8.625	24.00#	US50	12/01/94	2900
12/01/94	CASING	5.500	14.00#	US50	01/11/95	2834

WELLBORE SUMMARY

API WB#	Creation Date	Top	TD	Diam(@TD)	Plug Back Date	Plug Back Depth (PBT)
00	11/28/94	0	2900		12/01/94	2900
00	11/28/94	0	2900		01/11/95	2834

CASING SUMMARY

Date RUN	String	OD	ID	Grade	Wt/FT	Connection	Top/Bot
11/28/94		8.625	8.097	US50	24.00	STC	0/490
12/01/94		5.500	5.012	US50	14.00	STC	0/2890

PERFORATION SUMMARY

Perf Date	Top Perf	Btm Perf	Zone Name	Phase Hole SPF	Hole Size (deg)	J/B	Sqzd
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PERFORATION TIME CODE ACTIVITY

DATE	HOURS	CODE	ACTIVITY
1994-12-12	2.67	636	PERFORATE W/4" CSG GUNS. WINFIELD: 2605' -15', & 2615'-25'. L. KRIDER: 2565'-75' & 2582'-92', U. KRIDER: 2535'-55'. R/D A

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CONSERVATION DIVISION  
WICHITA, KS

Well Data - Well History Report

ORIGINAL

TLAS WIRELINE. SWI.

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\* WELL TREATMENT TIME CODE ACTIVITY  
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DATE	HOURS	CODE	ACTIVITY
1994-12-13	1.00	657	ACIDIZE W/1500 GALS 7.5% HCL & 1500 GALS FW, IN 500 GAL STAGES, BEGINNING W/WTR & DROPPING 150 BALL SEALERS, FORMATION BROKE @ 1990#, GOOD BALL ACTION, BUT DID NOT L BALL OUT, AIR 8.75 BPM, MAX TREAT. PSI 2032# ON BALL ACTION, ISIP 0, CLEAR PERFS
1994-12-13	1.50	655	FRAC VIA CSG. W/35000# 10/20 COLO. SILC. & 62000# 10/20 BRADY SND. & 1000 BBL'S X-LINKED GELLED FW. SND RAMMED 1PPG-10PPG, AIR 51 BPM, SCREENED OUT W/58 BBL'S F LUSH IN CSG. SI

Report Generated on: 02/14/95 @ 10:16

End of Report...

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KANSAS CORPORATION COMMISSION  
FEB 22 1995  
CONSERVATION DIVISION  
WICHITA, KS

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER: 0312 6073 DATE: 2-28-94

STAGE: DS DISTRICT: ULYSSES, KANSAS

DS-886A PRINTED IN U.S.A.

WELL NAME AND NO. <b>OCCONOR #3</b>	LOCATION (LEGAL) <b>SEC. 26-34S-40W</b>	RIG NAME: <b>Cheyenne #4</b>
FIELD-POOL <b>HUGOTON</b>	FORMATION <b>SURFACE</b>	WELL DATA: BIT SIZE <b>12 1/4"</b> CSG/Liner Size <b>8 5/8"</b> BOTTOM TOP
COUNTY/PARISH <b>MORTON</b>	STATE <b>KANSAS RECEIVED</b>	TOTAL DEPTH <b>600</b> WEIGHT <b>24#</b>
NAME <b>Widob Oil</b>	ADDRESS <b>CONSERVATION DIVISION WICHITA, KS</b>	<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE <b>490.4#</b>
AND <b>ORIGINAL FEB 22 1995</b>		MUD TYPE <b>WB</b> GRADE
		<input type="checkbox"/> BHST <input type="checkbox"/> BHCT <b>850F</b> THREAD <b>8id</b>
		MUD DENSITY <b>9</b> LESS FOOTAGE SHOE JOINT(S) <b>44.68</b> TOTAL <b>445.76</b>
		MUD VISC. Disp. Capacity <b>445.76</b>

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

SHOE	TYPE	DEPTH	SHOE TOOL	TYPE	DEPTH
	<b>AUTOHILL INSERT</b>	<b>445.76</b>			
	<b>CMT. NOSE GUIDE</b>	<b>490.94</b>			

SPECIAL INSTRUCTIONS

**SAFELY CEMENT 490 FT. OF 8 5/8" CASING WITH 125 SXS OF LEAD AND 175 SXS OF TAIL CEMENT AS DIRECTED BY CUSTOMER**

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE **CS9 173** PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT **2000** PSI BUMP PLUG TO **500 TSP** PSI

ROTATE  RPM RECIPROCATATE  FT No. of Centralizers **5**

JOB SCHEDULED FOR TIME: **ASAP** DATE: **11-28-94** ARRIVE ON LOCATION TIME: **18:20** DATE: **11-28-94** LEFT LOCATION TIME: **21:15** DATE: **11-28-94**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								PREJOB SAFETY MEETING
20:05								START JOB
20:05		1500						PRESSURE TEST LINES. TEST OK
20:08			25		6	H2O	8.33	START WATER ahead. BLEND CIRCULATION
20:13		150	48	25	10	CMT	12.2	START LEAD SURGING
20:20		150	37	75	4-6	CMT	14.8	START TAIL SURGING
20:24				110				SHUTDOWN. DROP TOP PLUG
20:30			28	110	5	H2O	8.33	START DISPLACEMENT
20:35		180		135	2	H2O	8.33	LOWER PUMP RATE
20:36		810		138				BUMP TOP PLUG
20:37								Bled off Press & CHECK FLOAT
								Float testing SI CMT
								Head & MAN 1 Per.
								Release Dowell

REMARKS: **PER CO. MAN DO NOT SHUTDOWN TO BATCH UP TUB.**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED BBLs		
			50/50	C/POZ	+ G% D2O	+ 5% DAA (BWOW)	+ 1/4 pps D29	DENSITY	
1.	125	2.2	50/50	C/POZ	+ G% D2O	+ 5% DAA (BWOW)	+ 1/4 pps D29	48.98	12.2
2.	175	1.2	50/50	C/POZ	+ 0.75% D2O	+ 2% SI	+ 1/4 pps D29	37.40	14.8
3.									
4.									
5.									
6.									

BREAKDOWN FLUID TYPE **N/A** VOLUME **N/A** DENSITY **N/A** PRESSURE **010** MAX. **11000**

HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO **4** Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **28.39** Bbls

Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT   WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **MR. BENJAMIN COWEN** DS SUPERVISOR **MR. DAVID R. SARVER**

**CEMENTING SERVICE REPORT**

Schlumberger  
Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER 113 12 0684 DATE 12-1-94  
PAGE 7 DS DISTRICT ULYSSES, KANSAS

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

WELL NAME AND NO. **OCONNOR #3** LOCATION (LEGAL) **- SEC. 26 - 345 - 40W** RIG NAME: **Chapine #4**  
 FIELD-POOL **HUGOTON** FORMATION **CHASE** WELL DATA: **TOP** BIT SIZE **7 7/8** CSG/Liner Size **5 1/2** BOTTOM " **TOP**  
 COUNTY/PARISH **MORTON** STATE **KANSAS** APL. NO. **RECEIVED** TOTAL MUD DENSITY **7** LESS FOOTAGE SHOE JOINT(S) **47.37** TOTAL **2842.73**  
 NAME **Mobil Oil** ADDRESS **FEB 22 1995** MUD VISC. **2842 93** Disp. Capacity **2842 93**

CONSERVATION DIVISION  
ZIP CODE **WICHITA, KS**  
 SPECIAL INSTRUCTIONS  
**SAFELY CEMENT 2890 FT. OF 5 1/2" CASING WITH 220 SXS OF LEAD AND 200 SXS OF TAIL CEMENT AS DIRECTED BY CUSTOMER**

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE **1644** PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT **2400** PSI BUMP PLUG TO **500 TAP** PSI  
 ROTATE **1** RPM RECIPROCATE **0** FT No. of Centralizers **16**

JOB SCHEDULED FOR TIME: **08:30** DATE: **12-1-94** ARRIVE ON LOCATION TIME: **08:30** DATE: **12-1-94** LEFT LOCATION TIME: **13:45** DATE: **12-1-94**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								
12:04								PRE-JOB SAFETY MEETING
12:09		2000						START JOB
12:11		40	25	-	6	H <sub>2</sub> O	8.33	PRESSURE TEST LINES. TEST OK
12:16		290	122	25	6	CMT	11.5	START WATER ahead. BREAK CIRCULATION
12:37		190	56	147	6	CMT	14.8	START LEAD SLURRY
12:47				203				START TAIL SLURRY
12:53		#	69.4	203	6	WTR	8.33	SHUTDOWN. WASH LINES. DROP TOP Plug
13:04		900		267	2	WTR	8.33	START DISPLACEMENT.
13:06		1360		272.4				LOWER PUMP RATE.
13:07								Bump Top Plug.
								Bled off PRESS. & CHECK HOIST.
								HOIST HOLD, RELEASE, DOWELL

**ORIGINAL**

DENSITY CHECK ON Slurry w/ Press. Mud scales indication wt.  $\pm$  < 0.5 ppm LESS THAN PERCENT W/ (WATER) BUMPED wt. up  $\pm$  15.2 ON END OF TAIL SLURRY.  
 AP FOR TO Pumping 09 - 10 psi.

REMARKS **PER COMPANY MAN, DO NOT SHUTDOWN & WATCH UP SLURRY JOB.**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
			CLAS C	DA6	D79	BBLs	DENSITY
1.	220	2.15	CLAS C + 3.1. D79 + 0.2. DA6 + 1/4 pps D29			107.75	11.5
2.	200	1.54	CLAS C + 2.1. B28 + 2.1 SL + 0.6. D60 + 0.2. DA6			48.80	17.8
3.							
4.							
5.							
6.							

BREAKDOWN FLUID TYPE **D/A** VOLUME **114** DENSITY **11.4** PRESSURE MAX. **25.4** MIN. **25.4**  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **69.4** Bbls TYPE OF WELL  OIL  STORAGE  BRINE WATER  WILDCAT  
 Washed Thru Perfs  YES  NO TO **51.6** FT. MEASURED DISPLACEMENT  WIRELINE  
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **MR. JOE DAVIS** DS SUPERVISOR **MR. DAVID R SARVER**