

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

API NO. 15- 189-21914-00-00 **ORIGINAL**  
County Stevens  
NW - NW - SE - SE Sec. 5 Twp. 34S Rge. 36 X E  
1250 Feet from S/N (circle one) Line of Section  
1250 Feet from E/W (circle one) Line of Section

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, Expl., Cathodic, etc)

If Workover:

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

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

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBT  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

5-13-95 5-17-95 6-21-95  
Spud Date Date Reached TD Completion Date

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

Lease Name Foster #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3073 KB 3084

Total Depth 2965 PBDT 2905

Amount of Surface Pipe Set and Cemented at 755 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 1 874 9-5-95  
(Data must be collected from the Reserve Ppt)

Chloride content 4,000 ppm Fluid volume 521 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name Foster #1 SWDW License No. 5208

Quarter SW Sec. 5 Twp. 34 S Rng. 36 E/W

County Stevens Docket No. D-19,820

STATE CORPORATION COMMISSION

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 8-10-95

Subscribed and sworn to before me this 10th day of August, 19 95.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998

5-145.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)



Operator Name Mobil Oil Corporation Lease Name Foster #1 Unit Well # 3  
 Sec. 5 Twp. 34S Rge. 36  East County Stevens  
 West

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 Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="0"> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Glorietta</td> <td>1225</td> <td>1415</td> </tr> <tr> <td>Stone Corral</td> <td>1715</td> <td>1785</td> </tr> <tr> <td>Chase</td> <td>2670</td> <td>--</td> </tr> <tr> <td>Council Grove</td> <td>--</td> <td>--</td> </tr> </table>	Name	Top	Datum	Glorietta	1225	1415	Stone Corral	1715	1785	Chase	2670	--	Council Grove	--	--
Name	Top		Datum														
Glorietta	1225		1415														
Stone Corral	1715		1785														
Chase	2670		--														
Council Grove	--	--															
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																
List All E.Logs Run:																	
Dual Induction Focused Log Gamma Ray Caliper 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#	755	Class C Class C	275 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2955	Class C Class C	250 150	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
	See Attached Well History		

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. 6-14-95	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 Gravity
		298		

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

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

Production Interval: 2670  
 Other (Specify) 2820

NO. 100. 11. 1990

Well Data - Well History Report

Lease: FOSTER #1 UNIT WELL #3      Well #: 3      Well ID: 0065488  
 API #: 15-189-21914-00      State: KS      County: STEVENS  
    Ppty ID: 2058600      OCSG #:

Spud Date: 05/13/1995      Ground Level Elev.: 3074      KB Height: 10  
 Spud Time: 16:30      Original Ref Point: KB      BH Height: 15  
    DF Height:

ORIGINAL

Drilling Job Start/End: 05/13/95 @ 16:30 to 05/17/95 @ 04:45  
 Completion Job Start/End: 05/23/95 @ 11:00 to 06/21/95 @ 12:00

DATE	ACTIVITY				
05/14/95	CASING	OD:	8.625,	24.00#	K55, Top/Bot: 0/755
05/16/95	CASING	OD:	5.500,	14.00#	K55, Top/Bot: 0/2955
05/24/95	PERFORATIONS:		2670-2680	1.3 JSPF;	2705-2713 1.3 JSPF
			2735-2745	S 1.3 JSPF;	2755-2765 . 1.3PJSPF; 2800-2820 . 1.3PJSPF

WELLBORE SUMMARY

API WB#	Creation Date	Top	TD	Diam(@TD)	Plug Back Date	Depths PBSD
00	05/13/95	0	2965		05/17/95	2965
00	05/13/95	0	2965		06/21/95	2905

RECEIVED  
 STATE CORPORATION COMMISSION

AUG 13 1995

CASING SUMMARY

Date RUN	String	OD	ID	Grade	Wt/FT	Connection	Top/Bot
05/14/95		8.625	8.097	K55	24.00	ST&C	0/755
05/16/95		5.500	5.012	K55	14.00	ST&C	0/2955

PERFORATION SUMMARY

Perf Date	Top Perf	Btm Perf	Zone Name	SPF	Phase (deg)	Hole Size	J/B	Sqzd
05/24/95	2670	2680	HERINGTON	1.3	0	0.30	J	
05/24/95	2705	2713	UPPER KRIDER	1.3	0	0.30	J	
05/24/95	2735	2745	LOWER KRIDER	1.3	0	0.30	J	
05/24/95	2755	2765	LOWER KRIDER	1.3	0	0.30	J	
05/24/95	2800	2820	WINFIELD	1.3	0	0.30	J	

PERFORATION TIME CODE ACTIVITY

Well Data - Well History Report

-----  
DATE HOURS CODE ACTIVITY  
-----

1995-05-23 4.00 636 PERFORATE W/ 4' CSG GUN. 0 DEGREE PHASIN  
. HERRINGTON:2670'-2680'(1.33 SPF)U. KRI  
DER 2705'-2713' (1.33 SPF), L. KRIDER:27  
35'-2745'(1.33 SPF),L.KRIDER: 2755'-2766  
'(1.33 SPF), WINFIELD: 2800'-2820'. RDMO  
ATLAS WIRELINE. SWI.

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WELL TREATMENT TIME CODE ACTIVITY  
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DATE HOURS CODE ACTIVITY  
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1995-05-25 3.00 657 MIRU DOWELL, TEST LINES TO 3500 PSI. BRE  
AKDOWN WELL W/ 1000 GALS 7.5% HCL & 1000  
GALS FW, STARTING W/ FW & ALTERNATING I  
N 500 GAL STAGES. DROPPED 175 BALLS. GOO  
D BALL ACTION. NO BALL OUT. BREAKDOWN W.  
2028 PSI @ 8 BPM. ATLAS RIH W/ GAUGE RIN  
G & JUNK BASKET, CLEAR PERFS.

1995-05-25 .50 655 FRAC'D DOWN CSG W/742 BBLs X-LINKED 15#  
GEL & 145860 LBS 12/20 SAND, AIR 50 BPM.  
RAMPED SAND F/ 1-10 ppg, NO SCREEN OUT.  
FLUSHED W/ 62 BBLs FW. ISIP 907, 5 MIN  
408, MAX 1323 PSI. RDMO DOWELL. SWI.

Report Generated on: 08/04/95 @ 14:46

End of Report...

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**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER: 12-7109 DATE: 5-14-95  
 STAGE: Ulysses DS: Ks DISTRICT: Ks

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

WELL NAME AND NO. <u>Foster #1-3</u>		LOCATION (LEGAL) <u>Sec. 5-34s-36w</u>		RIG NAME: <u>MurFin #24</u>	
FIELD-POOL		FORMATION		WELL DATA:	
COUNTY/PARISH <u>Stevens</u>		STATE <u>Ks.</u>		API. NO.	
NAME <u>Mobil Oil Corp</u>		MUD TYPE		GRADE <u>155 SS</u>	
AND		MUD DENSITY		LESS FOOTAGE SHOE JOINT(S) <u>42</u>	
ADDRESS		MUD VISC.		Disp. Capacity <u>458</u>	
ZIP CODE		NOTE: Include Footage From Ground Level To Head In Disp. Capacity		TOTAL	
SPECIAL INSTRUCTIONS		TYPE <u>Baffle Plate</u>		DEPTH	
		DEPTH <u>713</u>		DEPTH	
		TYPE <u>cmt hose</u>		DEPTH	
		DEPTH <u>755</u>		DEPTH	

**ORIGINAL**

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		SQUEEZE JOB	
LIFT PRESSURE <u>310</u> PSI		CASING WEIGHT ÷ SURFACE AREA (3.14 x R <sup>2</sup> )	
PRESSURE LIMIT <u>770</u> PSI		BUMP PLUG TO <u>770</u> PSI	
ROTATE RPM		RECIPROCATATE FT	
No. of Centralizers		ANNUAL VOLUME Bbbls	

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	
0001 to 2400											
0402	2100										
0406	0		25		5.5	H70					
0411	190		92.5		5.5	cmt	12.8				
0414	140		48		5.2	cmt	12.8				
0428	170		32.5		5.2	cmt	14.6				
0431	210		20		5.2	cmt	14.6				
0434	0										
0434	0		45.4		5.5	H70					
0437	100		10		5.5	H70					
0438	200		20		5.5						
0440	250		30		5.5						
0442	370		37		2						
0443	350		40		2						
0446	770		45.4		2						
0447	400										

REMARKS: PRE-JOB SAFETY MEETING, start H70 ahead, start lead cmt., psi check, start tail cmt., psi check, RECEIVED OUT DROP TOP PLUG, STATE CORPORATION COMMISSION, psi check, AUG 1 1995, psi check, bump top plug, bled psi off to 400 psi, shut cmt manifold, end job

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			SO <sub>2</sub>	POZ	CaCl <sub>2</sub>	D44	BBLs	DENSITY
1.	275	1.89	50	6%	3%	5%	42.5	12.8
2.								
3.	150	1.22	50	2.5%			32.5	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE		MAX.	
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Cement Circulated To Surf. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
BREAKDOWN		PSI		FINAL		PSI		DISPLACEMENT VOL.	
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO		TO		FT.		MEASURED DISPLACEMENT		<input type="checkbox"/> WIRELINE	
PERFORATIONS		TO		TO		CUSTOMER REPRESENTATIVE		DS SUPERVISOR	
						<u>Russell Worley</u>		<u>Jamac Esquivel</u>	

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER

DATE

STAGE

DS

DISTRICT

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

WELL NAME AND NO. <i>FOSTER #1-3</i>	LOCATION (LEGAL) <i>SEC. 5-345-364</i>	RIG NAME: <i>MURKIN 24</i>
FIELD-POOL <i>Hugoton</i>	FORMATION	WELL DATA: BOTTOM TOP
COUNTY/PARISH <i>Stevens</i>	STATE <i>KS</i>	APL. NO.

NAME *MOBIL OIL CORP.*

AND **ORIGINAL**

ADDRESS ZIP CODE

**SPECIAL INSTRUCTIONS**

*Supply cement 15 lbs per customer  
orders as follows*

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE PSI *1750* CASING WEIGHT ÷ SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT *2900* PSI BUMP PLUG TO PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers *15*

Float	TYPE	<i>Auto Fill Plug</i>	Stage Tool	TYPE	
	DEPTH	<i>2917</i>		DEPTH	
SHOE	TYPE	<i>CMT nose</i>	Stage Tool	TYPE	
	DEPTH	<i>2955</i>		DEPTH	

Head & Plugs  TBG  D.P.  SQUEEZE JOB

Double  Single  Swage  Knockoff

SIZE WEIGHT GRADE THREAD

TOOL TYPE DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbbls

CASING VOL. BELOW TOOL Bbbls

TOTAL ANNUAL VOLUME Bbbls

ARRIVE ON LOCATION TIME: *22:00* DATE: *5-16* LEFT LOCATION TIME: DATE: *5-17*

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											
<i>00:39</i>		<i>2000</i>									
<i>00:40</i>		<i>1000</i>	<i>15</i>		<i>4</i>	<i>H2O</i>	<i>8.3</i>				
<i>00:44</i>		<i>170</i>	<i>123</i>	<i>16</i>	<i>4</i>	<i>CMT</i>	<i>11.5</i>				
<i>01:16</i>		<i>180</i>	<i>36</i>	<i>137</i>	<i>5.8</i>	<i>CMT</i>	<i>14.8</i>				
<i>01:22</i>		<i>0</i>		<i>173</i>		<i>H2O</i>	<i>8.3</i>				
<i>01:25</i>		<i>100</i>	<i>742</i>		<i>6.6</i>	<i>H2O</i>	<i>8.3</i>				
<i>01:35</i>		<i>700</i>		<i>62</i>	<i>2</i>	<i>H2O</i>	<i>8.3</i>				
<i>01:40</i>		<i>940</i>		<i>765</i>	<i>2</i>	<i>H2O</i>	<i>8.3</i>				

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
						BBLs	DENSITY
1.	<i>250</i>	<i>2.75</i>	<i>C + 3% D-79 + 0.2% D-46 + 4 3/4 D-29</i>			<i>121</i>	<i>11.5</i>
2.							
3.	<i>150</i>	<i>1.37</i>	<i>C + 2% A-28 + 2% S-1 + 0.6% D60 + 0.2% D-46</i>			<i>36</i>	<i>14.8</i>
4.							
5.							
6.							

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN:

HESITATION SQ.  RUNNING SQ. CIRCULATION LOST *LOST 3 BLS*  YES  NO Cement Circulated To Surf.  YES  NO *6* Bbbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. *71.5* Bbbls

Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE TYPE OF WELL  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT *12 SACS*

PERFORATIONS TO TO TO TO CUSTOMER REPRESENTATIVE *RUSSELL WARLEY* DS SUPERVISOR *Ref Pearson*