

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- 189-21905-00-00

County Stevens  
SE - SE - SW Sec. 19 Twp. 33S Rge. 35 X W E

Operator: License # 5208

500 Feet from S/N (circle one) Line of Section

Name: Mobil Oil Corporation

2700 Feet from E/W (circle one) Line of Section

Address P.O. Box 2173

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

2319 North Kansas Avenue

Lease Name Nix #3 Unit Well # 3

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3005 KB 3015

Phone (316) 626-1142

Total Depth 2979 PBDT 2924

Contractor: Name: Murfin Drilling Co., Inc.

Amount of Surface Pipe Set and Cemented at 687 Feet

License: 30606

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: L. J. Reimer

If yes, show depth set NA Feet

Designate Type of Completion  
 New Well  Re-Entry  Workover

If Alternate II completion, cement circulated from NA

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl. Cathodic, etc)

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 1 87 11-13-95  
(Data must be collected from the Reserve Pit)

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

Chloride content 9,800 ppm Fluid volume 100 bbls

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

Dewatering method used Waste Minimization Mud System

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

Location of fluid disposal if hauled offsite:

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

Operator Name Mobil Oil Corporation

Lease Name Foster #1 SWD License No. 5208

4-28-95 5-2-95 6-9-95  
Spud Date Date Reached TD Completion Date

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

County Stevens Docket No. D-19,820

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 8-1-95

Subscribed and sworn to before me this 1st day of August, 19 95.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998  
5-136.kcc

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

NOTARY PUBLIC - State of Kansas  
KATHLEEN R. POULTON  
My Appl. Exp. 08-18-98

Operator Name: Mobil Oil Corporation Lease Name Nix #3 Unit Well # 3  
 Sec. 19 Twp. 33S Rge. 35  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>1210</td> <td>1364</td> </tr> <tr> <td>Stone Corral</td> <td>1700</td> <td>1754</td> </tr> <tr> <td>Chase</td> <td>2624</td> <td>--</td> </tr> <tr> <td>Council Grove</td> <td>--</td> <td>--</td> </tr> </table>	Name	Top	Datum	Glorietta	1210	1364	Stone Corral	1700	1754	Chase	2624	--	Council Grove	--	--
Name	Top		Datum														
Glorietta	1210		1364														
Stone Corral	1700		1754														
Chase	2624		--														
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:																	

Array Induction Shallow Focused Electric Log  
 Compensated Neutron Compensated Photo-Density  
 Spectral Gamma Ray  
 Caliper Plot

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#	687	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2969	Class C Class C	290 150	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				

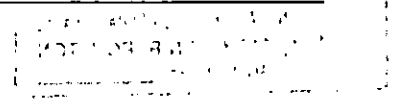
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
	See Attached Well History	
1.3	2695'-2715'	
1.3	2754'-2764'	

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.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
6-1-95	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
Estimated Production Per 24 Hours		232		

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

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

Production Interval: 2695-  
2764



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MSD999

\*\*\* PRISM \*\*\*

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Well Data - Well History Report

Lease: NIX 3 UNIT, WELL #3      Well #: 3      Well ID: 0053420  
 API #: 15-189-21905-00      State: KS      County: STEVENS  
    Ppty ID: 508300      OCSG #:

Spud Date: 04/28/1995    Ground Level Elev.: 3005      KB Height: 10  
 Spud Time: 15:00      Original Ref Point: KB      BH Height: 11  
    DF Height:

Drilling Job Start/End: 04/28/95 @ 15:00 to 05/02/95 @ 15:00  
 Completion Job Start/End: 05/10/95 @ 07:00 to 06/09/95 @ 16:00

ORIGINAL

DATE	ACTIVITY
04/28/95	CASING      OD: 8.625, 24.00# J55,      Top/Bot: 0/687
05/02/95	CASING      OD: 5.500, 14.00# J55,      Top/Bot: 0/2969
05/11/95	PERFORATIONS: 2695-2715 1.3 JSPF; 2754-2764 1.3 JSPF

WELLBORE SUMMARY

API WB#	Creation Date	Top	TD	Diam(@TD)	Plug Back Date	Depths PBTB
00	04/28/95	0	2979		05/02/95	2979
00	04/28/95	0	2979		06/09/95	2924

RECEIVED  
 STATE CORPORATION COMMISSION

AUG 03 1995

CASING SUMMARY

Date RUN	String	OD	ID	Grade	Wt/FT	Connection	Top/Bot
04/28/95		8.625	8.097	J55	24.00	STC	0/687
05/02/95		5.500	5.012	J55	14.00	STC	0/2969

PERFORATION SUMMARY

Perf Date	Top Perf	Btm Perf	Zone Name	SPF	Phase (deg)	Hole Size	J/B	Sqzd
05/11/95	2695	2715	LOWER KRIDER	1.3	0	0.33	J	
05/11/95	2754	2764	WINFIELD	1.3	0	0.33	J	

PERFORATION TIME CODE ACTIVITY

DATE	HOURS	CODE	ACTIVITY
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MSD999

\*\*\* PRISM \*\*\*

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Well Data - Well History Report

1995-05-10 2.00 636 PERF, WINFIELD 2754-2764 (1.33 SPF), LOW  
ER KRIDER 2695- 2715 (1.33 SPF)

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WELL TREATMENT TIME CODE ACTIVITY

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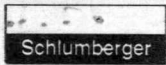
DATE	HOURS	CODE	ACTIVITY
-----	-----	---	-----
1995-05-10	1.50	657	ACIDIZE PERFS. W/1000 GAL 7.5% HCL & 100 0 GAL WATER IN 500 GAL STAGES, BEGIN W/W TR. & BALL SEALERS, FORM. BROKE @ 2677#, GOOD BALL ACTION & BALL OUT, R/GUAGE & JUNK BASKET, CLEAR PERFS.
1995-05-10	1.00	655	FRAC VIA CSG W/135620# 12/20 SND & 900 B BL'S GELLED X- LINKED FW, SND RAMMED 1-8 PPG, AIR 45 BPM, MAX TREAT PSI 2119#, SD W/58.5 BBL'S FLUSH IN CSG, ISIP 1260# 5 MIN SI 219#, FRAC TAGGED W/31 Mi IR-192 , 6 Mi Sb124, 12 Mi Sc46, SI

Report Generated on: 07/20/95 @ 11:09

End of Report...

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**CEMENTING SERVICE REPORT**



**Dowell SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER: 03-12-4070 DATE: 4-28-95  
 STAGE: DS DISTRICT: Ulysses, KS 03-12

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

WELL NAME AND NO. <b>Nix #3</b>		LOCATION (LEGAL) <b>SFC 19-335-35W</b>		RIG NAME: <b>MURFEN #24</b>	
FIELD-POOL <b>HUSOTON</b>		FORMATION		WELL DATA:	
COUNTY/PARISH <b>STEVENS</b>		STATE <b>KS</b>		API. NO.	
NAME <b>MOBIL OIL CORP.</b>		MUD TYPE		GRADE <b>USS60</b>	
AND		MUD DENSITY		LESS FOOTAGE SHOE JOINT(S) <b>42</b>	
ADDRESS		MUD VISC.		Disp. Capacity <b>41</b>	
ZIP CODE		NOTE: Include Footage From Ground Level To Head In Disp. Capacity		TOTAL	

Float	TYPE	<b>BAFFLE PLATE</b>	Stage Tool	TYPE	
	DEPTH	<b>644</b>		DEPTH	
SHOE	TYPE	<b>TEXAS PATTERN</b>	Stage Tool	TYPE	
	DEPTH	<b>686</b>		DEPTH	

**ORIGINAL**

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		SQUEEZE JOB	
LIFT PRESSURE <b>282</b> PSI	CASING WEIGHT ÷ SURFACE AREA (3.14 x R <sup>2</sup> )	TOOL TYPE	DEPTH
PRESSURE LIMIT <b>200 OVER</b> PSI	BUMP PLUG TO <b>800</b> PSI	TAIL PIPE: SIZE	DEPTH
ROTATE RPM	RECIPROCATATE FT	TUBING VOLUME	Bbbs
No. of Centralizers		CASING VOL. BELOW TOOL	Bbbs
		TOTAL	Bbbs
		ANNUAL VOLUME	Bbbs

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											
2345											
0032	2700		-	-			H <sub>2</sub> O	8.34			PRE-JOB SAFETY MEETING
0035	-	10	25		5.0		H <sub>2</sub> O	8.34			PRESSURE TEST LINES
				25							START H <sub>2</sub> O AHEAD
0041		170	76		5.5		CMT	12.8			START LEAD SLURRY
0055		170	34	73	5.5		CMT	14.6			START TAIL SLURRY
0101			<del>34</del>	107							SHUTDOWN / DROP TOP PLUG
0104		10	41		5.7		H <sub>2</sub> O	8.34			START DISPLACEMENT
0109		300		31	5.7		H <sub>2</sub> O	8.34			PSI CHECK
0115		800		<del>435</del>							STOP PUMPING / PLUG DOWN
0117											SHUT-IN MANIFOLD / RISED PSI

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							Bbbs	DENSITY
1.	225	1.89	50/50 P02/C + 6% D20 + 3% S1 + 5% D44 (GROW) + 1/4 #AK D29				76	12.8
2.	150	1.22	50/50 P02/C + 2.5% S1 + 1/4 #1SK D29				32.5	14.6
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX.	MIN: <b>7145K5</b>
<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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO <b>215</b> Bbbs
BREAKDOWN		PSI	FINAL	PSI	DISPLACEMENT VOL.	<b>41.5</b> Bbbs	
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO		TO	FT.	MEASURED DISPLACEMENT <input checked="" type="checkbox"/>	<input type="checkbox"/> WIRELINE		TYPE OF WELL <input checked="" 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		CUSTOMER REPRESENTATIVE			DS SUPERVISOR		
TO TO		<b>MR. VOLAN Youngblood.</b>			<b>Russ WAGSTAFF</b>		

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER

23-12-7077

DATE

5-2-95

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

WELL NAME AND NO. <i>WIX 3-3</i>		LOCATION (LEGAL) <i>Sec. 19-335-354</i>		RIG NAME: <i>MURFIN 24</i>	
FIELD-POOL <i>HUGOTON</i>		FORMATION <i>chase</i>		WELL DATA:	
COUNTY/PARISH <i>STEVENS</i>		STATE <i>KS</i>		APL. NO.	
NAME <i>MOBIL OIL CORP.</i>		BIT SIZE <i>7 7/8</i>		CSG/Liner Size <i>5 1/2</i>	
AND		TOTAL DEPTH <i>2925</i>		WEIGHT <i>14</i>	
ADDRESS		<input type="checkbox"/> ROT <input type="checkbox"/> CABLE		FOOTAGE <i>2969</i>	
ZIP CODE		MUD TYPE		GRADE <i>USS50</i>	
SPECIAL INSTRUCTIONS		<input type="checkbox"/> BHST		THREAD <i>8RD</i>	
<i>8aly, cnt, 5 1/2 WIS as per customer's orders as follows</i>		<input type="checkbox"/> BHCT		LESS FOOTAGE SHOE JOINT(S) <i>2925</i>	
		MUD DENSITY		MUD VISC.	
		Disp. Capacity <i>71.4</i>		TOTAL	

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

Float	TYPE	<i>auto FILL FLAP</i>	Squeeze Tool	TYPE	
	DEPTH	<i>2925</i>		DEPTH	
Shoe	TYPE	<i>cnt nose</i>	Squeeze Tool	TYPE	
	DEPTH	<i>2969</i>		DEPTH	

**ORIGINAL**

IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO
LIFT PRESSURE PSI <i>1750</i>	CASING WEIGHT ÷ SURFACE AREA (3.14 x R <sup>2</sup> )	LIFT PRESSURE PSI <i>1750</i>	CASING WEIGHT ÷ SURFACE AREA (3.14 x R <sup>2</sup> )
PRESSURE LIMIT PSI <i>890</i>	BUMP PLUG TO <i>890</i>	PRESSURE LIMIT PSI <i>890</i>	BUMP PLUG TO <i>890</i>
ROTATE RPM	RECIPROCATE FT	ROTATE RPM	RECIPROCATE FT

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											
10:30											
11:00		2800									
11:01		150	25		5	H2O	8.3			PRE-JOB SAFETY MEETING ✓	
11:06		230		25	5.0	H2O	8.3			PSI TEST LINES	
11:06		250	142		5.8	CMT	11.5			START H2O	
11:30		210		143	5.8	CMT	11.5			END H2O	
11:30		270	27		5.8	CMT	14.8			START LDCMT	
11:37		360		36	5.8	CMT	14.8			END LDCMT	
11:37						H2O	8.3			SHUT DOWN WASH TO PIT	
11:40		150	71.4		5.9	H2O	8.3			DROP PLUG START DISP.	
11:48		490		44	5.8	H2O	8.3			CMT TO SURFACE	
11:51		700		62	1.4	H2O	8.3			LOW PRGTC	
11:57		890		71.4		H2O	8.3			BUMP PLUG	
11:58										CHECK FLOAT RELEASE DOWELL	

REMARKS *H2O in mix tank 310 BBL*

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	290	2.75	C+3% D-79 + 0.2% D-46 + 1/4 SKD-29				143	11.5
2.								
3.	150	1.37	C+2% B28 + 2% S-1 + 0.6% D-60 + 0.2% D-46				36	14.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 890	MIN. 150
<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. <i>71.4</i>	Bbls
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input type="checkbox"/>	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR
			<i>Volcan Youngblood</i>		<i>R. J. Pearson</i>