

**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- 189-21954-~~DO-00~~

County Stevens  
NE - SW - SW Sec. 10 Twp. 33S Rge. 36 X W  
E

Operator: License # 5208

1250 Feet from S/N (circle one) Line of Section

Name: Mobil Oil Corporation

1250 Feet from E/W (circle one) Line of Section

Address P.O. Box 2173  
2319 North Kansas Avenue

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

City/State/Zip Liberal, KS 67905-2173

Lease Name Citizen State Bank #1 Unit Well # 2

Purchaser: Spot Market

Field Name Hugoton

Operator Contact Person: Sharon Cook

Producing Formation Chase

Phone (316) 626-1142

Elevation: Ground 3037 KB 3047

Contractor: Name: Murfin Drilling Co., Inc.

Total Depth 2931 PBDT 2851

License: 30606

Amount of Surface Pipe Set and Cemented at 752 Feet

Wellsite Geologist: L. J. Reimer

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion  
 New Well  Re-Entry  Workover

If yes, show depth set NA Feet

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

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 1 JJK 6-25-96  
(Data must be collected from the Reserve Pit)

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

Chloride content 5,100 ppm Fluid volume 390 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

7-29-95 8-1-95 8-29-95  
Spud Date Date Reached TD Completion Date

SW Quarter Sec. 5 Twp. 34 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 11-20-95

Subscribed and sworn to before me this 20th day of November, 19 95.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998  
5-220.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)

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KANSAS CORPORATION COMMISSION

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

NOV 22 1995 Form ACO-1 (7-91)

CONSERVATION DIVISION  
WICHITA, KS

Operator Name Mobil Oil Corporation Lease Name Citizen State Bank #1 Unit Well # 2  
 Sec. 10 Twp. 33S 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 type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
List All E.Logs Run: No logs were 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#	752	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2921	Class C Class C	275 150	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	2645-2651		Acid: 1,000 gals 7.5% HCL
	2677-2697		Fract: 76,457 lbs 12/20 Brady Sand	
	2735-2745		675 bbls 15# Crosslink Gel	
	2788-2803			

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. 8-25-95	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	415	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.  Conmingled 2645

Production Interval:  Other (Specify) 2803

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER 2349	DATE 7-31-95
STAGE 1	DS 02
DISTRICT 2	

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

WELL NAME AND NO. CITIZEN ST. BANK 1-2	LOCATION (LEGAL) SEC. 10-335-366
FIELD-POOL HUGOTON	FORMATION Chase
COUNTY/PARISH STEUBENS	STATE KS
API. NO.	

RIG NAME MUFFIN 24	WELL DATA:		BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size 5 1/2	TOTAL DEPTH 2921	WEIGHT 14	
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 2921	MUD TYPE 15560	GRADE ARD	
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD ARD	MUD DENSITY 2.890	LESS FOOTAGE SHOE JOINT(S) 2890	TOTAL
MUD VISC.	Disp. Capacity 727			

NAME: mobil oil corp

AND

ADDRESS

ZIP CODE

**ORIGINAL**

SPECIAL INSTRUCTIONS

*Gravelly cement, 5% US oiler, cement and 20% 200 mesh follow R.*

NOTE: Include Footage From Ground Level To Head In Disp. Capacity		
Float	TYPE AUTO FILLING	DEPTH 2896
Shoe	TYPE CMT ROSE	DEPTH 2921

IS CASING/TUBING SECURED?  YES  NO

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

PRESSURE LIMIT 2000 PSI BUMP PLUG TO 1190 PSI

ROTATE RPM RECIPROGATE FT No. of Centralizers

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

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR	ARRIVE ON LOCATION	LEFT LOCATION
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	TIME: <u>22:00</u> DATE: <u>7-31</u>	TIME: <u>21:50</u> DATE: <u>7-31</u>	TIME: DATE: <u>8-1</u>

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
00:06		2050				H2O	8.3	PRE-JOB SAFETY MEETING
00:08		180	28	X	4	"	"	PSI TEST
00:17		310			5.8	CMT	11.5	START H2O
00:29		170		118	5.8	CMT	11.5	START + LOC. CMT.
00:37		170	36	161		CMT	14.6	PSI CHECK
00:43				197				START + TL CMT.
00:55		400		41	6	H2O	8.3	SHUT DOWN WASH TO BIT
00:57		510		47	6	"	"	PSI CHECK
01:00		800		62	2	"	"	CMT TO SURFACE
		1190		70.7	2	"	11.9	LOWER RATE
		1260						BUMP PLUG CHECK F. TEST
								RESURFACE PLUG
00:49		140	70.7		6	H2O	8.3	START DISB.

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REMARKS

CONSERVATION DIVISION WICHITA, KS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	275	2.75	C+3% D-1 + 0.2% D-46T	0.29	133	16.5
2.						
3.	150	1.37	C+2% B-25 + 2% S-H 0.6 g D-60 + 0.2% D-46		36	14.8
4.						
5.						
6.						

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. <u>1260</u>	MIN. <u>140</u>
<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	<u>24</u> Bbls.
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL.	Bbls	TYPE OF WELL
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<u>727</u>	<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	
			<u>JEFF LASHLEY</u>	<u>ROB ROBERTSON</u>	

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER <i>7343</i>	DATE <i>7-29-95</i>
STAGE <i>1</i>	DS <i>03</i>
DISTRICT <i>1.2</i>	

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

WELL NAME AND NO. <i>CITIZEN STATE BANK #1-2</i>	LOCATION (LEGAL) <i>Sec.</i>
FIELD/POOL <i>HURSTON</i>	FORMATION <i>SURF.</i>
COUNTY/PARISH	STATE <i>KS</i>
API. NO.	

RIG NAME: <i>MUFFIN 24</i>	
WELL DATA:	
BIT SIZE <i>12 1/4</i>	CSG/Liner Size <i>R3 1/2</i>
TOTAL DEPTH	WEIGHT <i>24</i>
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <i>752</i>
MUD TYPE	GRADE <i>2350</i>
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD <i>8RD</i>
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) <i>714</i>
MUD VISC.	Disp. Capacity <i>455</i>
TOTAL	

NAME *mdh:1 OIL CORP.*

AND

ADDRESS

ZIP CODE

**ORIGINAL**

SPECIAL INSTRUCTIONS  
*Ballers cmt. 8' is upon customer's order as follows.*

Float	TYPE	<i>Boff. Plate</i>	Stage Tool	TYPE	
	DEPTH	<i>714</i>		DEPTH	
SHOE	TYPE	<i>CMT. note</i>	Stage Tool	TYPE	
	DEPTH	<i>752</i>		DEPTH	

IS CASING/TUBING SECURED?  YES  NO

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

PRESSURE LIMIT *2000* PSI BUMP PLUG TO *420* PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers

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

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

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME: <i>22:30</i> DATE: <i>7-29</i>	ARRIVE ON LOCATION TIME: <i>72:30</i> DATE: <i>7-29</i>	LEFT LOCATION TIME: <i>1:09</i> DATE: <i>7-29</i>
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
								PRE-JOB SAFETY MEETING
<i>00:13</i>		<i>2050</i>				<i>H2O</i>	<i>8.3</i>	<i>PSITEST</i>
<i>00:16</i>		<i>80</i>	<i>25</i>		<i>5.8</i>	<i>"</i>	<i>"</i>	<i>START H2O</i>
<i>00:20</i>		<i>120</i>	<i>76</i>	<i>25</i>	<i>5.8</i>	<i>CMT.</i>	<i>12.8</i>	<i>START 40 CMT.</i>
<i>00:33</i>		<i>150</i>		<i>101</i>	<i>5.8</i>	<i>CMT.</i>	<i>14.6</i>	<i>START 16 CMT.</i>
<i>00:40</i>		<i>110</i>	<i>45.5</i>		<i>6</i>	<i>H2O</i>	<i>8.3</i>	<i>DISP. H2O START DISP.</i>
<i>00:47</i>		<i>280</i>		<i>33</i>	<i>6</i>	<i>"</i>	<i>"</i>	<i>CMT TO 51 F</i>
<i>00:47</i>		<i>160</i>		<i>76</i>	<i>2</i>	<i>"</i>	<i>"</i>	<i>lower rate</i>
<i>00:52</i>		<i>270</i>		<i>135</i>	<i>2</i>	<i>"</i>	<i>"</i>	<i>RECHECK</i>
<i>00:52</i>		<i>420</i>		<i>455</i>	<i>2</i>	<i>"</i>	<i>"</i>	<i>BUMP PLUG</i>

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CONSERVATION DIVISION  
WICHITA, KS

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
<i>1.</i>	<i>225</i>	<i>1.89</i>	<i>5% 20 + 6% 0-20 + 3% 5-1 + 5% 1/4 + 4 (Bumps) + 1/4 12-29</i>				<i>76</i>	<i>12.8</i>
<i>2.</i>								
<i>3.</i>	<i>150</i>	<i>1.22</i>	<i>5% 20 + 7.5% 5-1 + 1/4 12-29</i>				<i>33</i>	<i>14.6</i>
<i>4.</i>								
<i>5.</i>								
<i>6.</i>								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX <i>420</i>	MIN: <i>120</i>
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	<input type="checkbox"/> CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL. <i>43.5</i>	Bbls
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <i>43.5</i>	<input type="checkbox"/> WIRELINE	TYPE OF WELL <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE <i>JEFF LASITER</i>	DS SUPERVISOR <i>Ray Pearson</i>	