

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- 189-21908 - 0000

County Stevens
NE - NE - SW - NW Sec. 30 Twp. 32S Rge. 35 X W^E

Operator: License # 5208

1415 Feet from S (circle one) Line of Section

Name: Mobil Oil Corporation

1250 Feet from E (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 Jennings Unit Well # 2

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3042 KB 3052

Phone (316) 626-1142

Total Depth 2956 PBTD 2901

Contractor: Name: Murfin Drilling Co., Inc.

Amount of Surface Pipe Set and Cemented at 712 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
X New Well Re-Entry Workover

If Alternate II completion, cement circulated from NA

X Oil SWD S10W Temp. Abd.
X Gas ENHR S10W SIGW
Dry Other (Core, HSW, Formation, Cathodic, etc)

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 1 JK 10-22-96
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 15000 ppm Fluid volume 146 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 PBTD
Commingled Docket No. _____
Dual Completion Docket No. _____
Other (SWD or Inj?) Docket No. _____

J. S. Burchett #2 SWDW - 121 bbls

Hill #3 SWDW - 25 bbls

Operator Name Mobil Oil Corporation

J. S. Burchett #2 SWDW

Lease Name Hill #3 SWDW License No. 5208

SE 35 32 35

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

Stevens D-25,119

County Stevens Docket No. CD-117710

4-6-95 4-10-95 5-11-95
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 7-26-95

Subscribed and sworn to before me this 26th day of July, 19 95.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
5-127.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)

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

Operator Name Mobil Oil Corporation Lease Name Jennings Unit Well # 2
 Sec. 30 Twp. 32S Rge. 35 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 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>1280</td> <td>1451</td> </tr> <tr> <td>Stone Corral</td> <td>1744</td> <td>1810</td> </tr> <tr> <td>Chase</td> <td>2636</td> <td>--</td> </tr> <tr> <td>Council Grove</td> <td>--</td> <td>--</td> </tr> </table>	Name	Top	Datum	Glorietta	1280	1451	Stone Corral	1744	1810	Chase	2636	--	Council Grove	--	--
Name	Top		Datum														
Glorietta	1280		1451														
Stone Corral	1744		1810														
Chase	2636	--															
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

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#	712	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2946	Class C Class C	225 150	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	2700'-2720' + 2752'-2762'	
1	2810'-2820'	

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. 5-6-95	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 633	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: 2700 -
2820

Well Data - Well History Report

Lease: JENNINGS UNIT WELL #2
API #: 15-189-21908-00

Well #: 2
State: KS
Ppty ID: 2045200

Well ID: 0053390
County: STEVENS
OCSG #:

ORIGINAL

Spud Date: 04/06/1995 Ground Level Elev.: 3042 KB Height: 8
Spud Time: 15:00 Original Ref Point: KB BH Height: 11
DF Height:

Drilling Job Start/End: 04/06/95 @ 15:00 to 04/10/95 @ 21:00
Completion Job Start/End: 04/15/95 @ 09:30 to 05/11/95 @ 17:00

DATE	ACTIVITY
04/06/95	CASING OD: 8.625, 24.00# J55, Top/Bot: 0/712
04/10/95	CASING OD: 5.500, 14.00# K55, Top/Bot: 0/2946
04/17/95	PERFORATIONS: 2700-2720 1.0 JSPF; 2752-2762 1.0 JSPF 2810-2820 S 1.0 JSPF 2700-2720 1.0 JSPF; 2752-2762 1.0 JSPF

WELLBORE SUMMARY

API WB#	Creation Date	Top	TD	Diam(@TD)	Plug Back Date	Depths PBD
00	04/06/95	0	2946		04/10/95	2946 2956 (corrected)
00	04/06/95	0	2946		05/11/95	2901

RECEIVED
STATE CORPORATION COMMISSION
JUL 27 1995
CONSERVATION DIVISION
MICHITA, KANSAS

CASING SUMMARY

Date RUN	String	OD	ID	Grade	Wt/FT	Connection	Top/Bot
04/06/95		8.625	8.097	J55	24.00	STC	0/712
04/10/95		5.500	5.052	K55	14.00	STC	0/2946

PERFORATION SUMMARY

Perf Date	Top Perf	Btm Perf	Zone Name	SPF	Phase (deg)	Hole Size	J/B	Sqzd
04/17/95	2700	2720	LOWER KRIDER	1.0	0	0.46	J	
04/17/95	2752	2762	WINFIELD	1.0	0	0.46	J	
04/17/95	2810	2820	TOWANDA	1.0	0	0.46	J	

PERFORATION TIME CODE ACTIVITY

Well Data - Well History Report

DATE	HOURS	CODE	ACTIVITY
1995-04-15	1.50	636	RU LOGGERS, R/GR & CCL 2899-2400, PERF T OWANDA 2830-40 (1SPF),
1995-04-17	2.00	636	PERF. TOWANDA 2810-20 (1SPF), WINFIELD 2 752-62 (1SPF), L. KRIDER, 2700-10 (1SPF)

=====

WELL TREATMENT TIME CODE ACTIVITY

DATE	HOURS	CODE	ACTIVITY
1995-04-17	1.00	657	ACIDIZE PERFS. W/500 GAL 7.5% HCL & 500 GAL WTR. & BALL SEALERS, IN 500 GAL STAGES, BEGIN. W/WTR. FORM BROKE @ 2550#, AIR 8 BPM, GOOD BALL ACTION, ISIP 0. R/GUA GE RING & JUNK BASKET, CLEAR PERFS.
1995-04-17	1.00	655	FRAC VIA CSG W/153000#, 12/20 SND & 1000 BBL'S X-LINKED GELLED, WTR. SND RAMMED 1-9PPG, AIR 45 BPM, MAX. TREAT. PSI 1465 #, ISIP 1112#, FRAC TAGGED W/4mC Sb-124, 6mC Sc- 46, 5mC 8R-192, SI

Report Generated on: 07/06/95 @ 10:43

End of Report...

CEMENTING SERVICE REPORT

Schlumberger
Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 512-8041
DATE: 7-7-95
STAGE: 1 DS: 03 DISTRICT: 12

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

WELL NAME AND NO. <i>Jennings #2</i>		LOCATION (LEGAL) <i>SEC 30-325-35W</i>		RIG NAME: <i>MURKIN 24</i>	
FIELD-POOL <i>Hugoton</i>		FORMATION		WELL DATA:	
COUNTY/PARISH <i>Stevens</i>		STATE <i>KS</i>		API. NO.	
NAME <i>MOBIL OIL CORP</i>		MUD TYPE		GRADE <i>VS50</i>	
AND		MUD DENSITY		LESS FOOTAGE SHOE JOINT(S) <i>669</i>	
ADDRESS		MUD VISC.		Disp. Capacity <i>42.6</i>	
ZIP CODE		NOTE: Include Footage From Ground Level To Head In Disp. Capacity		TOTAL	

ORIGINAL

SPECIAL INSTRUCTIONS
Job log cmt 85% surface as per customer orders as follows

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE PSI *300* CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT PSI BUMP PLUG TO *610* PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers

Float	TYPE <i>RF PLATE</i>	DEPTH <i>669</i>	Stage Tool	TYPE	DEPTH
SHOE	TYPE <i>40195 RT</i>	DEPTH <i>712</i>		TYPE	DEPTH

Head & Plugs TBG D.P. SQUEEZE JOB

Double Single Swage Knockoff

TOOL TYPE DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

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											
01:24		2100	0				H2O	8.3			PRE-JOB SAFETY MEETING
01:27		90	25		6		H2O	8.3			START H2O
01:32		110		28	6		H2O	8.3			END H2O
01:32		120	76		5.8		CMT	12.8			START CMT 12.8
01:49		100		83	5.5		CMT	12.8			END CMT 12.8
01:49		100			4		CMT	14.6			START TL CMT 14.6
01:57		250			5.5		CMT	14.6			END TL CMT
01:57											SHUT DOWN DROP PLUG
01:59		170	42.6		5.8		H2O	8.3			START D150
02:05		190		20	5.9		H2O	8.3			CMT TO SURFACE
02:10		670		34	34		H2O	8.3			BUMP PLUG
02:12		500									CLOSE IN HEAD

RECEIVED
STATE CORPORATION COMMISSION
JUL 27 1995
CONSERVATION DIVISION
WICHITA, KANSAS

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
1.	225	1.89	50 C + 0.80-20 + 3.85-1 + 5% D-41 (BLOW) + 1/4 #4 D29	83	12.8			
2.								
3.	150	1.22	50 C + 2.15 8.5-1 + 4.5 D-29	34	14.6			
4.								
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN. Bbls

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO *22* Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. *42.6* Bbls TYPE OF WELL OIL STORAGE BRINE WATER *65*

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE GAS INJECTION WILDCAT

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE *Volcan Youngblood* DS SUPERVISOR *Ray Roover*

CEMENTING SERVICE REPORT

Schlumberger
Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 02-10-7016		DATE 4-10-95
STAGE 1	DS 03	DISTRICT 12

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

WELL NAME AND NO. <i>Jennings #3</i>	LOCATION (LEGAL) <i>SEC 30-325-704</i>	RIG NAME: <i>MURFIE 27</i>
FIELD-POOL <i>Hugoton</i>	FORMATION <i>CHGSE</i>	WELL DATA:
COUNTY/PARISH <i>Stevens</i>	STATE <i>KS,</i>	API. NO.
NAME <i>MOBIL OIL CORP.</i>	AND	ADDRESS
SPECIAL INSTRUCTIONS <i>3rd leg cmt. 5 1/2 yds as per customer's orders as follows.</i>		NOTE: Include Footage From Ground Level To Head In Disp. Capacity

BIT SIZE <i>7 1/8</i>	CSG/Liner Size <i>5 1/2</i>	TOP
TOTAL DEPTH <i>2956</i>	WEIGHT <i>14</i>	
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <i>2945</i>	
MUD TYPE	GRADE <i>USG 50</i>	
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD <i>SRD</i>	
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) <i>2902</i>	TOTAL
MUD VISC.	Disp. Capacity <i>20.8</i>	

SHOE	Float	TYPE <i>9 1/2 FILL FLAP</i>	DEPTH <i>2902</i>	Stage Tool	TYPE <i>CMT. ROSE</i>	DEPTH <i>2945</i>
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		TOOL	DEPTH	
<input type="checkbox"/> Swage		GRADE		TAIL PIPE: SIZE DEPTH		
<input type="checkbox"/> Knockoff		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		
ROTATE		RPM	RECIPROCATATE	FT	No. of Centralizers	

IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE <i>870</i> PSI	CASING WEIGHT ÷ SURFACE AREA <i>1790</i> (3.14 x R ²)
PRESSURE LIMIT <i>2500</i> PSI	BUMP PLUG TO <i>1280</i> PSI	

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											
18:00										PRE-JOB SAFETY MEETING	
18:17		2700				H2O	9.3			Pres. TEST Lines	
18:19		200	25		5.8	H2O	8.3			START H2O	
18:24		210		26	5.8	H2O	8.3			End H2O	
18:24		260	110		5.8	CMT	11.5			START 1D CMT 11.5	
18:44		170		110	5.8	CMT	11.5			End 1D CMT	
18:44		180	37		5.8	CMT	14.8			START TL CMT	
18:51		290		37	5.8	CMT	14.8			End TL CMT	
18:51										Shut Down Wash to Bit	
18:54										DISP. PLUG	
18:54		100	20.8		5.9	H2O	8.3			START DISP	
18:59		220		45	5.9	H2O	8.3			PS Check	
19:02		550			5.9	H2O	8.3			CMT TO SURFACE	
19:05		830		64	2	H2O	8.3			LOWER RATE	
19:10		1280		70.8	2					RECEIVED	
19:11										STATE CORPORATION COMMISSION	

REMARKS *H2O ON LOC. 770 BBS*

JUL 27 1995

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			WATER	CEMENT	BBLs	DENSITY
1.	725	2.75	C + 13% D-39 + 0.2% D-46 + 1/4% K D-29		110	11.5
2.						
3.	150	1.37	C + 2% B-28 + 2% S-1 + 0.6% D-60 + 0.2% D-46		27	14.5
4.						
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	<i>26</i> Bbls
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL. <i>70.4</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>Volan Young Blood</i>		<i>Ret Pearson</i>