

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- 189-21838 -000

County Stevens
- NW - SE - SW Sec. 7 Twp. 33S Rge. 36 E
X W

Operator: License # 5208

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

Name: Mobil Oil Corporation

1400 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

City/State/Zip Liberal, KS 67905-2173

Lease Name Speakman #1 Unit Well # 3

Purchaser: Spot Market

Field Name Hugoton

Operator Contact Person: Sharon Cook

Producing Formation Chase

Phone (316) 626-1142

Elevation: Ground 3058 KB 3069

Contractor: Name: Cheyenne Drilling

Total Depth 2930 PBDT 2880

License: 5382

Amount of Surface Pipe Set and Cemented at 689 Feet

Wellsite Geologist: L. J. Reimer

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set NA Feet

Oil SWD SLOW Temp. Abd.
X Gas ENHR 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
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 7000 ppm Fluid volume 975 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 Hill #3 SWD License No. 5208

12-16-94 12-19-94 1-26-95
Spud Date Date Reached TD Completion Date

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

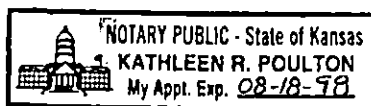
County Stevens Docket No. CD-117710

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 2-22-95
Subscribed and sworn to before me this 22nd 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)



FEB 24 1995 Form ACO-1 (7-91)
CONSERVATION DIVISION
WICHITA, KANSAS

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Speakman #1 Unit Well # 3

Sec. 7 Twp. 33s Rge. 36 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="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Glorietta</td> <td>1205</td> <td>1390</td> </tr> <tr> <td>Stone Corral</td> <td>1665</td> <td>1735</td> </tr> <tr> <td>Chase</td> <td>2580</td> <td>--</td> </tr> <tr> <td>Council Grove</td> <td>--</td> <td>--</td> </tr> </tbody> </table>	Name	Top	Datum	Glorietta	1205	1390	Stone Corral	1665	1735	Chase	2580	--	Council Grove	--	--
Name	Top		Datum														
Glorietta	1205		1390														
Stone Corral	1665		1735														
Chase	2580		--														
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:																	

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#	689	Class C	185 sx	50:50 C/poz
					Class C	150 sx	50:50 C/poz
Production Casing	7.875	5.500	14#	2920	Class C	320 sx	3% D79
					Class C	150 sx	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		
2	2614' - 2792'		

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. 1-26-95		None				
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 456 Mcf	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

Production Interval: 2614 -
2792

Other (Specify): PERFORATION REQUIRING BRIDGE PLUGS

Well Data - Well History Report

Lease: SPEAKMAN #1 UNIT WELL #3 Well #: 3 Well ID: 0052999
API #: 15-189-21838-00 State: KS County: STEVENS
Ppty ID: 1992500 OCSG #:

Spud Date: 12/16/1994 Water Depth: 0 KB Height: 11
Spud Time: 15:00 Original Ref Point: KB BH Height: 0
DF Height:

ORIGINAL

Drilling Job Start/End: 12/16/94 @ 15:00 to 12/19/94 @ 16:30
Completion Job Start/End: 12/30/94 @ 09:30 to 01/26/95 @ 11:00

Table with columns DATE and ACTIVITY. Rows include 12/16/94 CASING OD: 8.625, 24.00# J55, Top/Bot: 0/689 and 12/19/94 CASING OD: 5.500, 14.00# J55, Top/Bot: 0/2920.

WELLBORE SUMMARY

Table with columns API WB#, Creation Date, Top, TD, Diam(@TD), Plug Back Date, and Depths PBTD. Rows show data for API 00 on 12/16/94 and 01/26/95.

CASING SUMMARY

Table with columns Date RUN, String, OD, ID, Grade, Wt/FT, Connection, and Top/Bot. Rows show casing data for 12/16/94 and 12/19/94.

PERFORATION SUMMARY

Table with columns Perf Date, Top Perf, Btm Perf, Zone Name, Phase Hole SPF, and Hole Size J/B Sqzd.

PERFORATION TIME CODE ACTIVITY

Table with columns DATE, HOURS, CODE, and ACTIVITY. Row shows activity on 1994-12-30 at 4.50 hours, code 636, involving R/U ATLAS WIRELINE.

RECEIVED STATE CORPORATION COMMISSION FEB 24 1995 CONSERVATION DIVISION WICHITA, KANSAS

Well Data - Well History Report

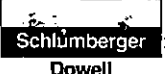
ORIGINAL

=====
WELL TREATMENT TIME CODE ACTIVITY

Table with 4 columns: DATE, HOURS, CODE, ACTIVITY. Contains two entries for 1995-01-04 with codes 657 and 655.

Report Generated on: 02/20/95 @ 08:09 End of Report...

CEMENTING SERVICE REPORT



Dowell
DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 05 12 6733 DATE 12-16-94
STAGE DS DISTRICT ULYSSES KS

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

WELL NAME AND NO. **SPEARMAN #1-3** LOCATION (LEGAL) **SEC. 7-335-36V**
 FIELD-POOL **HUGOTON** FORMATION **SURFACE**
 COUNTY/PARISH **STEVENS** STATE **KANSAS** API. NO.
 NAME **Mobil Oil**
 ADDRESS
 ZIP CODE

RIG NAME: **Cherokee #4**
 WELL DATA: BIT SIZE **12 1/4** CSG/Liner Size **8 5/8** BOTTOM TOP
 TOTAL DEPTH **696** WEIGHT **24 #**
 ROT CABLE FOOTAGE **689**
 MUD TYPE **WH** GRADE
 BHST BHCT **87°F** THREAD **8 1/2**
 MUD DENSITY **9** LESS FOOTAGE SHOE JOINT(S) **44** TOTAL **645**
 MUD VISC. Disp. Capacity **1.3**

SPECIAL INSTRUCTIONS
Supply cement 185 ft. of 8 5/8 casing with 185 SXS of lead and 150 SXS of tail cement as directed by customer
 IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE **249** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT **2000** PSI BUMP PLUG TO **500-1 AP** PSI
 ROTATE **8** RPM RECIPROCATATE **8** FT No. of Centralizers **5**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE **Automatic Ingress** DEPTH **605'**
 Shoe TYPE **LMT 110-8 Gauge** DEPTH **689'**
 Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE TOOL TYPE
 Single WEIGHT DEPTH
 Swage GRADE TAIL PIPE: SIZE DEPTH
 Knockoff THREAD TUBING VOLUME Bbls
 TOP OR NEW USED CASING VOL. BELOW TOOL Bbls
 BOT OR DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME: **ASAP** DATE: **12-16-94** ARRIVE ON LOCATION TIME: **18:30** DATE: **12-16-94** LEFT LOCATION TIME: **03:00** DATE: **12-17-94**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	ICUM				
0001 to 2400								PRE-JOB SAFETY MEETING
01:34								START JOB
01:34		1000						PRESSURE TEST LINES. TEST OK
01:37		110	25	-	5.8	H ₂ O	8.33	START WATER AHEAD. BREAK CIRCULATION
01:42		200	70	25	5.8	CMT	12.2	START LEAD SURVEN
01:54		210	32	95	5.8	CMT	14.8	START TAIL SURVEN
2:02				127				SHUTDOWN, DROP TOP PLUG
02:05		30	41	127	5.8	H ₂ O	8.33	START DISPLACEMENT
02:12		240		158	2	H ₂ O	8.33	LOWER PUMP RATE
02:16		1040		168				BUMP TOP PLUG
02:17								Bleed 1000 PSI pressure & check float.
								1.5 float head
								Release Dowel

ORIGINAL

REMARKS **AP PRIOR TO BUMPING PLUG 340 PSI. DO NOT SHUTDOWN PUMPS & BUILT UP SURVEN TUB PER VOLUME YOUNGLOOD**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	185	2.11	50/50	C/POZ + 6.1 D2O + 3.1 S1 + 1/4 pps D29	64.62	12.2		
2.	150	1.20	50/50	C/POZ + 0.75 D2O + 3.1 S1 + 1/4 pps D29	32.06	14.8		
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE **N/A** VOLUME **N/A** DENSITY **N/A** PRESSURE **1040** MAX. MIN.
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **23** Bbls
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **41** Bbls TYPE OIL STORAGE BRINE WATER WILDCAT **0.5K**
 Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **MR. VOLAN Youngblood** DS SUPERVISOR **MR. DAVID R. SARVER**

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 12-12-6779	DATE 12-19-94
STAGE DS	DISTRICT 1145500 KC

DS-486-A PRINTED IN U.S.A.

WELL NAME AND NO: **S. SPARKMAN 1-3** LOCATION (LEGAL): **Sec 7-335-3600**

FIELD-POOL: _____ FORMATION: _____

COUNTY/PARISH: **Stevenson** STATE: **Kc** API. NO.: _____

NAME: **Mobil Oil Corp.**

AND: _____

ADDRESS: _____

ZIP CODE: _____

SPECIAL INSTRUCTIONS: _____

RIG NAME: **Haystack #4**

WELL DATA:		BOTTOM		TOP	
BIT SIZE: 7 7/8	CSG/Liner Size: 5 1/2				
TOTAL DEPTH: 2920	WEIGHT: 14				
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE: 2920				
MUD TYPE:	GRADE: JSR				
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD: Reg				
MUD DENSITY:	LESS FOOTAGE SHOE JOINT(S): 45				TOTAL
MUD VISC.:	Disp. Capacity: 100'				

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

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE: **1** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²): _____

PRESSURE LIMIT: **2000** PSI BUMP PLUG TO: **1500** PSI

ROTATE: _____ RPM RECIPROCATATE _____ FT No. of Centralizers _____

Float	TYPE: Insert Float valve	DEPTH: 2875	TYPE:	DEPTH:
Stage Tool	TYPE: cut hole	DEPTH: 2920	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

JOB SCHEDULED FOR TIME: **ASAP** DATE: **12-19-94** ARRIVE ON LOCATION TIME: **10:00** DATE: **12-19-94** LEFT LOCATION TIME: **14:00** DATE: **12-19-94**

TIME	PRESSURE		VOLUME PUMPED bbl		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
11:33	3000					H ₂ O		PRE-JOB SAFETY MEETING PSI Test
11:35		0	25	25	5.4	H ₂ O	8.33	start H ₂ O ahead
11:41		300	156	181	5.2	cmf	11.5	start load cmf.
11:55		170	70	-	5.2	mat.	11.5	psi check
12:09		240	36	217	5.2	cmf.	14.8	start tail cmf.
12:12		270	70	-	5.2	cmf.	14.8	psi check
12:16		0						shut down wash pump line deep top plug
12:19		0	70	70	5.2	H ₂ O		start displacement
12:28		780	50	1	5.2	H ₂ O		psi check
12:32		690	64	1	2.0	H ₂ O		psi check
12:37		1530						Bump To Plug / check float holding END JOB

ORIGINAL

REMARKS: _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	320	2.75	class C	+ 3% D79 + .2% D46 + 1/4 #1124	156.1	11.5
2.						
3.	150	1.37	class C	+ 2% B28 + 2% cat #2 + .6% D60 + 2% D46	36.5	14.8
4.						
5.						
6.						

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO

Cement Circulated To Surf. YES NO **30** Bbls

BREAKDOWN PSI: _____ FINAL PSI: _____ DISPLACEMENT VOL. **70'** Bbls

Washed Thru Perfs YES NO TO _____ FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS: _____ TO _____ TO _____

CUSTOMER REPRESENTATIVE: **Volan Youngblood**

DS SUPERVISOR: **TAMAR Esquivel**