

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- 189-21917-00.82

County Stevens

     - NW - SE - SE Sec. 23 Twp. 34S Rge. 37 X W <sup>E</sup>

1250 Feet from S (circle one) Line of Section

1250 Feet from E (circle one) Line of Section

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

Lease Name Creamer #1 Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3123 KB 3132

Total Depth 2993 PBDT 2940

Amount of Surface Pipe Set and Cemented at 719 Feet

Multiple Stage Cementing Collar Used? Yes X 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 2H 9-5-95  
(Data must be collected from the Reserve Pit)

Chloride content 5500 ppm Fluid volume 280 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:  
Operator Name Mobil Oil Corporation

Lease Name C. W. Creamer #1 SWD License No. 5208

NE Quarter Sec. 23 Twp. 34 S Rng. 37 E W  
County Stevens Docket No. D-19,411

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  
X New Well      Re-Entry      Workover

     Oil      SWD      SLOW      Temp. Abd.  
X 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 \_\_\_\_\_ PBDT

     Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
     Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
     Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

5-22-95 5-26-95 6-19-95  
Spud Date Date Reached TD Completion Date

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STATE CORPORATION COMMISSION  
AUG 1 1995  
CONFIDENTIAL - WICHITA, KANSAS

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

5-146.kcc

K.C.C. OFFICE USE ONLY

F X Letter of Confidentiality Attached  
C X 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 Appt. Exp. 08-18-98

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Creamer #1 Unit Well # 4

Sec. 23 Twp. 34 Rge. 37  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 Name Top Datum Glorietta 1215 1395 Stone Corral 1645 1765 Chase 2655 -- 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		

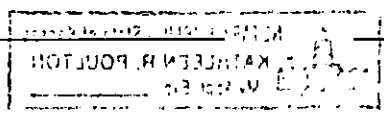
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12.250	8.625	24#	719	Class C Class C	265 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2987	Class C Class C	310 150	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 83 Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 2723  
 (If vented, submit ACO-18.)  Other (Specify) 2860



Well Data - Well History Report

Lease: CREAMER #1 UNIT WELL #4 Well #: 4 Well ID: 0065487  
 API #: 15-189-21917-00 State: KS County: STEVENS  
 Ppty ID: 2057600 OCSG #:

Spud Date: 05/22/1995 Ground Level Elev.: 3123 KB Height: 10  
 Spud Time: 11:00 Original Ref Point: KB BH Height: 11  
 DF Height:

ORIGINAL

Drilling Job Start/End: 05/22/95 @ 11:00 to 05/26/95 @ 06:00  
 Completion Job Start/End: 06/04/95 @ 07:00 to 06/19/95 @ 15:00

DATE	ACTIVITY
05/22/95	CASING OD: 8.625, 24.00# J55, Top/Bot: 0/719
05/25/95	CASING OD: 5.500, 14.00# J55, Top/Bot: 0/2987
06/05/95	PERFORATIONS: 2723-2743 1.3 JSPF; 2783-2803 1.3 JSPF 2840-2860 S 1.3 JSPF 2723-2743 1.3 JSPF; 2783-2803 1.3 JSPF

WELLBORE SUMMARY

API WB#	Creation Date	Top	TD	Diam(@TD)	Plug Back Date	Depths PBT
00	05/22/95	0	2993		05/26/95	2993
00	05/22/95	0	2993		06/19/95	2940

CASING SUMMARY

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Date RUN	String	OD	ID	Grade	Wt/FT	Connection	Top/Bot
05/22/95		8.625	8.097	J55	24.00	STC	0/719
05/25/95		5.500	5.012	J55	14.00	STC	0/2987

PERFORATION SUMMARY

Perf Date	Top Perf	Btm Perf	Zone Name	SPF	Phase (deg)	Hole Size	J/B	Sqzd
06/05/95	2723	2743	LOWER KRIDER	1.3	0	0.30	J	
06/05/95	2783	2803	WINFIELD	1.3	0	0.30	J	
06/05/95	2840	2860	TOWANDA	1.3	0	0.30	J	

WELL TREATMENT TIME CODE ACTIVITY

\*\*\*\*\*

MSD999

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

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Well Data - Well History Report

DATE	HOURS	CODE	ACTIVITY
1995-06-05	2.00	657	ACIDIZE W/1500 GAL 7.5 HCL & 1000 GAL WT R IN 500 GAL STAGES, BEGIN W/ACID, & BALL SEALERS, GOOD BALL ACTION & BALL OUT, FORM. BROKE @ 1905#, MAX TREAT. PSI 2620 ON BALL OUT, R/GUAGE RING & JUNK BASKET TO BALLS OFF PERFS.
1995-06-05	2.00	655	FRAC VIA CSG W/80023 12/20 SND & 500 BBL 'S GELLED WTR & 949 CCF N2, SND RAMMED 2 -12PPG, AVG FLUID RATE 29 BPM, SCREENED OUT W/18 BBL'S FLUSH IN CSG

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 **03-12-7128** DATE

PAGE DS DISTRICT **0143363 K5**

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

WELL NAME AND NO. **CREAMER #1-4** LOCATION (LEGAL) **SEC 23E 34S-37W**

COUNTY/PARISH **STEVENS** STATE **KANSAS** API. NO.

NAME **MOBIL OIL** ADDRESS ZIP CODE

SPECIAL INSTRUCTIONS **Safety Cmt '719' 8 5/8 PER CO MAIS INSTRUCTION**

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT PSI BUMP PLUG TO **1010** PSI  
 ROTATE RPM RECIPROCATE FT No. of Centralizers

RIG NAME: **MUDFIN #24**

WELL DATA:		BOTTOM		TOP	
BIT SIZE <b>12 1/4</b>	CSG/Liner Size <b>8 5/8</b>				
TOTAL DEPTH <b>724</b>	WEIGHT <b>24</b>				
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <b>719</b>				
MUD TYPE	GRADE				
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) <b>43</b>				TOTAL <b>43</b>
MUD VISC.	Disp. Capacity <b>676</b>				

**ORIGINAL**

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

Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	<b>BAFFLE PLATE</b>	<b>776</b>			
	<b>TK PATTERN</b>	<b>719</b>			

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  R  W  NEW  USED CASING VOL. BELOW TOOL Bbls

BOT  R  W DEPTH 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: <b>2100</b>	DATE: <b>5-22</b>	TIME: <b>2100</b>	DATE: <b>5-22</b>	TIME: <b>0030</b>	DATE: <b>5-23</b>	
0001 to 2400					INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
2215								PRE-JOB SAFETY MEETING			
2321	2270							PRESSURE TEST LINE			
2323		130	25			420	8.33	START WATER AHEAD			
2327		200	89	25		CMT	12.8	WATER AHEAD PUMPED START LEAD CMT			
2343		210	33	114		CMT	14.6	LEAD CMT PUMPED START TAIL CMT			
2349				147				TAIL CMT MIXED - SHUT DOWN			
2351				147				DROP TOP PLUG			
2351	30		43	147		420		START DISPLACEMENT			
2355		250		16				CEMENT TO SURFACE			
2357		340		33				SLOW RATE 28BPM			
0002		1010		43				BUMP TOP PLUG			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	265	1.89	50/50 (B2/C) + 6% D20 + 3% O <sub>5</sub> + 5% D44 (BLOW) +				89	12.8
2.			1/4 #15K D29					
3.								
4.	150	1.22	50/50 (B2/C) + 2 1/2% O <sub>5</sub> + 1/4 #15K D29				32	14.6
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. **1010** MIN: **8035**

HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO **27** Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **43** Bbls

Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Volcan Young Blood** DS SUPERVISOR **Greg Grewick**

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER		DATE
STAGE	DS	DISTRICT
1	03	12

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

WELL NAME AND NO. CLEOMER 1-4

LOCATION (LEGAL) SEC. 23-345-374

FIELD-POOL HUGOTAN

FORMATION CHOSE

COUNTY/PARISH STEVENS

STATE KS

API. NO.

RIG NAME: MUELLER 24

WELL DATA:

BIT SIZE <u>2 7/8</u>	CSG/Liner Size <u>5 1/2</u>	BOTTOM	TOP
TOTAL DEPTH <u>2987</u>	WEIGHT <u>14</u>		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <u>2987</u>		
MUD TYPE	GRADE <u>WSS50</u>		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD <u>8RD</u>		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) <u>2940</u>		TOTAL
MUD VISC.	Disp. Capacity <u>71.7</u>		

NAME MOBILE OIL CORP.

AND

ADDRESS

ZIP CODE

**ORIGINAL**

SPECIAL INSTRUCTIONS

3 bag cement 5 1/2" x 1 1/2" as per customer's orders as follows:

Float	TYPE	<u>AUTO FILL FLOP</u>	Stage Tool	TYPE	
	DEPTH	<u>2940</u>		DEPTH	
SHOE	TYPE	<u>CMT. NOSE</u>	Stage Tool	TYPE	
	DEPTH	<u>2987</u>		DEPTH	

Head & Plugs  TBG  D.P.  SQUEEZE JOB

Double  WEIGHT  TOOL TYPE

Single  GRADE  DEPTH

Swage  THREAD TAIL PIPE: SIZE DEPTH

Knockoff  NEW  USED TUBING VOLUME Bbls

TOP  OR  W  NEW  USED CASING VOL. BELOW TOOL Bbls

BOT  OR  W DEPTH TOTAL Bbls

ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED?  YES  NO

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

PRESSURE LIMIT 2500 PSI BUMP PLUG TO 1280 PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME: DATE:	ARRIVE ON LOCATION TIME: DATE:	LEFT LOCATION TIME: DATE:
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	INJECT RATE FLUID TYPE FLUID DENSITY	7:00 5-25	7:00 5-25

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
02:04		2200				H <sub>2</sub> O	8.3	PRE-JOB SAFETY MEETING
02:06	180	25	25	5	5.8	H <sub>2</sub> O	8.3	PSI TEST LINES
02:11	280	152	152	5.8	CMT	11.5	START H <sub>2</sub> O	START H <sub>2</sub> O
02:24	210	75	75	5.8	CMT	11.5	PSI CHECK	START + 10 CMT
02:37	240	38	150	5.8	CMT	14.8	START TLEMT	PSI CHECK
02:43		36	36	5.8	CMT	14.8	END TLEMT	START TLEMT
02:46	30	71.7	71.7	5.8	H <sub>2</sub> O	8.3	DROP LOG START DISP.	END TLEMT
02:51	290	25	25	5.8	H <sub>2</sub> O	8.3	CMT. TO SURFACE	SHOT DOWN WASH TO PIT
02:57	890	62	62	2	H <sub>2</sub> O	8.3	LOWER RATE	DROP LOG START DISP.
03:02	1280	72	72	2	H <sub>2</sub> O	8.3	BUMP PLUG	LOWER RATE

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**AUG 11 1995**

CONSERVATION DIVISION WICHITA, KANSAS

REMARKS Loss of circulation with water at 2 1/2 min

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
						BBLs	DENSITY
1.	310	2.75	10' + 3% 0.79 + 0.2% 0.46 + 4.7% 0.29			150	11.5
2.							
3.	150	1.37	10' + 2% 0.28 + 2% 5-1 + 0.6% 0.60 + 0.2% 0.46			36	14.8
4.							
5.							
6.							

BREAKDOWN FLUID TYPE

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

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 72 Bbls TYPE OF WELL  OIL  STORAGE  BRINE WATER  GAS  INJECTION  WILDCAT 96 SK

Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE DS SUPERVISOR

Volker X. ... Reg. J. ...