

00-00 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- 189-21639

County Stevens
NW SE SE Sec. 25 Twp. 34S Rge. 37W X W

Operator: License # 5208

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

Name: Mobil Oil Corporation

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

Address P.O. Box 2173

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

2319 North Kansas Avenue

Lease Name Cunningham #2 Unit Well # 6

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3102.3 KB 3113

Phone (316) 626-1142

Total Depth 3000 PBDT 2953

Contractor: Name: Cheyenne Drilling

Amount of Surface Pipe Set and Cemented at 674 Feet

License: 5382

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: L. J. Reimer

If yes, show depth set NA Feet

Designate Type of Completion

If Alternate II completion, cement circulated from NA

New Well Re-Entry Workover

feet depth to NA w/ NA sx cmt.

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

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 13,700 ppm Fluid volume 500 bbls

Operator: _____

Dewatering method used Waste Minimization Mud System

Well Name: _____

Location of fluid disposal if hauled offsite: _____

Comp. Date _____ Old Total Depth _____

Operator Name Mobil Oil Corporation

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

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

6-29-94 7-2-94 7-23-94

NE Quarter Sec. 23 Twp. 34 S Rng. 37W E/W

Spud Date Date Reached TD Completion Date

County Stevens Docket No. 19,411

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 8-10-94

Subscribed and sworn to before me this 10th day of August, 1994.

Notary Public Esther M. Niemann

Date Commission Expires 10-1-94



STATE CORPORATION COMMISSION
AUG 12 1994
KANSAS RESERVE USE ONLY
Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

PI

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Cunningham #2 Unit Well # 6

Sec. 25 Twp. 34S Rge. 37W 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 Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:

Dual Induction Focused Log - Gamma Ray Caliper
 Z-Densilog Compensated Dual Neutron Spectralog Caliper

Name	Formation (Top), Depth and Datums		Sample
	Top	Datum	
Glorietta	1200	1380	
Stone Corral	1680	1745	
Chase	2645	--	

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#	674	Dowell Dowell	200 sx 175 sx	65:35 C/Poz Class C
Production Casing	7.875	5.500	14#	2988	Dowell Dowell	275 sx 150 sx	Class C Class C

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	2710-2750
	2764-2794	Frac'd: 27,000 gals Crosslink gel 76,000 lbs 12/20 Brady Sand	
	2800-2810		
	2818-2848		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		None					
Date of First, Resumed Production, SWD or Inj. 7-23-94			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 580 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. Other (Specify)

Production Interval: Dually Comp Commingled Other (Specify)
 2710' To 2848'

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

6280

DATE

7-3-94

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

STAGE

L3

DS

0212

DISTRICT

LIK5

WELL NAME AND NO. <i>CUMMINGSHAM #2</i>		LOCATION (LEGAL) <i>SEC. 25-34s-37w</i>		RIG NAME: <i>LAVERGNE RIG #4</i>	
FIELD-POOL <i>Hugoton</i>		FORMATION <i>CHASE</i>		WELL DATA:	
COUNTY/PARISH <i>STEVENS</i>		STATE <i>KANSAS</i>		API. NO.	
NAME <i>Mobil Oil</i>		AND		ADDRESS	
SPECIAL INSTRUCTIONS <i>Safety helped cement 5 1/2 Long string per customers orders</i>		ZIP CODE		TOTAL <i>72</i>	

ORIGINAL

BIT SIZE	7 1/4	CSG/Liner Size	5 1/2	DEPTH	
TOTAL DEPTH		WEIGHT	14	DEPTH	
ROT CABLE		FOOTAGE	2999	DEPTH	
MUD TYPE		GRADE		DEPTH	
BHST		THREAD	3rd	DEPTH	
MUD DENSITY		LESS FOOTAGE SHOE JOINT(S)	44.70	DEPTH	
MUD VISC.		Disp. Capacity	2954	DEPTH	

IS CASING/TUBING SECURED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
LIFT PRESSURE	PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT	PSI	BUMP PLUG TO 1150 PSI
ROTATE	RPM	RECIPROCATATE FT

TIME	0001 to 2400	ARRIVE ON LOCATION TIME: 0730	DATE: 7-3-94	LEFT LOCATION TIME: 1330	DATE: 7-3-94
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TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR TIME: ASHT DATE:			SERVICE LOG DETAIL	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY		
1140	17A	260	20		5.7	h20	8.3	START	h20 AHEAD
1144		280	124	20	5.7	cm+	11.5	START	LEAD CM+
1206		290	39	144	5.7	cm+	14.8	START	TAIL CM+
1214				183				Shoulder	DEPT PLUG WASH LINES
1217		120	72	183	5.7	h20	8.3	START	DISPLACEMENT
1229		700		245				LOWER	RATE
1245								Run	TOP PLUG
1246								SHED	OFF 75L

RECEIVED STATE CORPORATION COMMISSION

AUG 1 8 1994

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEM	SLURRY MIXED BBLs	DENSITY
1.	275	2.7	Class C + 3% D-79 + 0.2% D-46 + 1/4% R-29	132	11.5
2.	150	1.47	Class C + 2% R-28 + 2% S1 + 0.2% D-60 + 0.2% D-65 + 0.2% D-66	39	14.8

BREAKDOWN FLUID TYPE	VOLUME		DENSITY	PRESSURE: 1150	MAX. MIN:
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL. 72	Bbls
Washed Thru Perfs.	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	

Dennis Collins

Robert Elliott

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

STAGE	DS	DISTRICT	DATE
		ULYSSSES, KANSAS	6/29/94

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. Cunningham #2	LOCATION (LEGAL) SE. 25-34S-37W	RIG NAME: Cheyenne #4																											
FIELD-POOL HUGOTON	FORMATION	WELL DATA:																											
COUNTY/PARISH STEVENS	STATE KANSAS	API. NO.																											
NAME MOBIL Oil	ORIGINAL																												
AND:																													
ADDRESS																													
ZIP CODE																													
SPECIAL INSTRUCTIONS	<table border="1"> <tr> <td>WELL DATA:</td> <td>BOTTOM</td> <td>TOP</td> </tr> <tr> <td>BIT SIZE 12 1/4"</td> <td>CSG/Liner Size 8 7/8"</td> <td></td> </tr> <tr> <td>TOTAL DEPTH 685'</td> <td>WEIGHT 24#</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE</td> <td>FOOTAGE 685'</td> <td></td> </tr> <tr> <td>MUD TYPE</td> <td>GRADE</td> <td></td> </tr> <tr> <td><input type="checkbox"/> BHST</td> <td>THREAD 8id</td> <td></td> </tr> <tr> <td><input type="checkbox"/> BHCT</td> <td>LESS FOOTAGE SHOE JOINT(S)</td> <td></td> </tr> <tr> <td>MUD DENSITY</td> <td>Disp. Capacity 642.40</td> <td>TOTAL 642.40</td> </tr> <tr> <td>MUD VISC.</td> <td></td> <td></td> </tr> </table>		WELL DATA:	BOTTOM	TOP	BIT SIZE 12 1/4"	CSG/Liner Size 8 7/8"		TOTAL DEPTH 685'	WEIGHT 24#		<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 685'		MUD TYPE	GRADE		<input type="checkbox"/> BHST	THREAD 8id		<input type="checkbox"/> BHCT	LESS FOOTAGE SHOE JOINT(S)		MUD DENSITY	Disp. Capacity 642.40	TOTAL 642.40	MUD VISC.		
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NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE	DEPTH	TYPE	DEPTH
	Auto Fill Insect	642.40'		
Shoe	TYPE	DEPTH	TYPE	DEPTH
	CMT nose	685'		

SPECIAL INSTRUCTIONS

SAFETY CEMENT 8 7/8" SURFACE CASING PER CUSTOMER INSTRUCTIONS

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 251 PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT 200 PSI + LIFT PSI	BUMP PLUG TO 200 PSI + LIFT PSI	
ROTATE <input checked="" type="checkbox"/> RPM	RECIPROCATE <input type="checkbox"/> FT	No. of Centralizers 5

TIME	PRESSURE	VOLUME PUMPED bbl	JOB SCHEDULED FOR TIME: 22:00 DATE: 6/29/94	ARRIVE ON LOCATION TIME: 22:00 DATE: 6/29/94	LEFT LOCATION TIME: 01:30 DATE: 6/30/94
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY

TIME	PRESSURE	VOLUME PUMPED bbl	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
00:15						PRE-JOB SAFETY MEETING
00:15	140	20	5 1/2	H ₂ O	8.34	START JOB
00:19	200	75	5 1/2	CMT	12.2	START H ₂ O HEAD
00:31	200	41	5 1/2	CMT	14.8	START LEAD SLURRY
00:38						START TAIL SLURRY
00:43		41	13.6	5 1/2 H ₂ O	8.34	SHUTDOWN
00:49						START DISPLACEMENT
00:55						LOWER RATE
						SHUTDOWN DOWN Bump Plug - NO (POSITIVE DISP. 42) PRESSURE PUMP ADJUSTED ± 1 Bbl Bump Plug. Plug did not hold apply 300 ft down well & SHUT IN STATE CORPORATION COMMISSION

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS WICHITA, KAN.	SLURRY MIXED (BBL)	DENSITY
1.	206	2.1	65/35 C/P2 + 6% D20 + 3% SL + 1/4 #/SK = D29	74.80	12.2
2.	175	1.32	C + 2% SL + 1/4 #/SK = D29	41.14	14.8
3.					
4.					
5.					
6.					

BREAKDOWN FLUID TYPE	NA	VOLUME	NA	DENSITY	NA	PRESSURE	5500 MAX.	MIN:
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			14 Bbls.
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	40.92 Bbls	TYPE OF WELL	<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER	37 SKS
Washed Thru Perfs.	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	WELL	<input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT	
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR				
			DENNIS Collins	DAVID R. SARVER				

AUG 12 1994