

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 189-220890000

ORIGINAL

County Stevens
- NE - NW - NE Sec. 25 Twp. 33S Rge. 38 X W E

Operator: License # 5208

5130 Feet from S/N (circle one) Line of Section

Name: Mobil Oil Corporation

1390 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 Coulter #3 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 3152 KB 3162

Phone (316) 626-1142 **RECEIVED**

Total Depth 2890 PBDT 2837

Contractor: Name: Norseman Drilling Inc.
STATE CORPORATION COMMISSION

Amount of Surface Pipe Set and Cemented at 649 Feet

License: 3779 **RECEIVED**

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: L. J. Reimer **12-12-1996**

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 SIGW
Dry Other (Core, WSW, Expl., Cathodic, etc)

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan **ALT 1 271 6-30-97**
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 800 ppm Fluid volume 480 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

9-9-96 9-12-96 10-7-96
Spud Date Date Reached TD Completion Date

Lease Name Parker Est. #1-2 SWDW License No. 5208

SW Quarter Sec. 19 Twp. 34 S Rng. 36 E/W

County Stevens Docket No. D-23,898

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 12-6-96

Subscribed and sworn to before me this 6th day of December, 1996.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
6-205.kcc

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

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)

Operator Name Mobil Oil Corporation Lease Name Coulter #3 Unit Well # 6

Sec. 25 Twp. 33S Rge. 38 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:
 NO LOGS RUN

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
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CASING RECORD New 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#	649	Class C Class C	210 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2882	Class C Class C	175 75	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	2612-2632	Acid: 1,000 gals 7.5% HCL	
	2669-2684	Fracd: 134,180 lbs 12/20 Brady Sand	
	2718-2738	27,000 gals 20# Crosslink gel	

TUBING RECORD

Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 10-3-96 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		350			

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 2612

Production Interval Other (Specify) 2738

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER	8616	DATE	1-9-96
STAGE	1	DS	03
DISTRICT	12		

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

WELL NAME AND NO.	LOCATION (LEGAL)	RIG NAME:			
COULTER 3-6		WOLFMAN 2			
FIELD-POOL	FORMATION	WELL DATA:			
HUGOTON	SURF.	BIT SIZE (1 7/8)	CSG/Liner Size	BOTTOM	TOP
COUNTY/PARISH	STATE	TOTAL DEPTH	WEIGHT	22	ORIGINAL
STEVENS	K5	FOOTAGE	648		
NAME	AND	MUD TYPE	GRADE	45550	
Mobil Oil Corp		□ BHST	THREAD	280	
		□ BHCT	LESS FOOTAGE SHOE JOINT(S)	600	TOTAL
ADDRESS	ZIP CODE	MUD VISC.	Disp. Capacity	38.7	

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

Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	Bar PLATE	600			
SHOE	TYPE	DEPTH		TYPE	DEPTH
	cut nose	648			

SPECIAL INSTRUCTIONS

Shut down at 8:30 pm per customer
 Jan 11 1996

IS CASING/TUBING SECURED?	□ YES	□ NO	CONFIRMATION
LIFT PRESSURE	260	PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT		PSI	BUMP PLUG TO
ROTATE	RPM	RECIPROCATATE	FT No. of Centralizers

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME: 2:00	DATE: 9-9	TIME: 2:00	DATE: 9-9	TIME:	DATE:	
0001 to 2400											
2:154		3400		X		120	8.3			PRE-JOB SAFETY MEETING	
2:157		220	25	X	5.7	11	11			START H2O	
2:202		180	70	25	5.7	CM+	12.9			START LDCMT	
2:215		220	31	25	5.7	CM+	14.6			START 76 BMT	
2:221		180		26						SHUT DOWN	
2:222		50								RE-PLUG START D.50	
2:230		175		28						CM+ TO SURFACE	
2:230		165								LOWER RATE	
2:234		800		39	2					Bump Plug	
2:236		400								Bleeding close in head	

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
			BBLs	DENSITY	BBLs	DENSITY	
1.	210	1.89	5% 100% C + 6% D-20 + 3% S-1 + 5% D-44 (B.W.O.C.) + 4% S.P. 29	70	12.8		
3.	150	1.22	3% 100% C + 2.5% S-1 + 4% S.P. 29	31	14.6		

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	MIN:
□ HESITATION SQ.	□ RUNNING SQ.	CIRCULATION LOST	□ YES	□ NO	Cement Circulated To Surf. - □ YES
Washed Thru Perfs	□ YES	□ NO	TO	FT.	MEASURED DISPLACEMENT
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR
			Allen Moore		Ray Pearson

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 2007	DATE 9-11-83
STAGE 1	DS 0
DISTRICT 1-2	

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

WELL NAME AND NO. COULTER 3-6	LOCATION (LEGAL) SEC 25-33S-38W	RIG NAME: MORRISON 2
FIELD-POOL HUGOTON	FORMATION CHASE	WELL DATA:
COUNTY/PARISH STEVENS	STATE KS	API. NO.
NAME MOBIL OIL CORP.	WELL DATA:	
AND	BIT SIZE 7 7/8	CSG/Liner Size 5 7/8
ADDRESS	TOTAL DEPTH 2870	WEIGHT 14
ZIP CODE	ROT CABLE	FOOTAGE 2892
SPECIAL INSTRUCTIONS	MUD TYPE	GRADE 46550
HARLEN - Unit 5 1/2 LIS on per customers instructions	<input type="checkbox"/> BHST	THREAD 8 R/R
	<input type="checkbox"/> BHCT	LESS FOOTAGE SHOE JOINT(S) 2870
	MUD DENSITY	Disp. Capacity 69.2
	MUD VISC.	

ORIGINAL

NOTE: Include Footage From Ground Level To Head In Disp. Capacity					
Float	TYPE GATO FILLING	DEPTH 2877	Stage Tool	TYPE	DEPTH
SHOE	TYPE CMT NOSE	DEPTH 2882	TYPE	DEPTH	
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	Bbbs		
TOP <input type="checkbox"/> R <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL	Bbbs		
BOT <input type="checkbox"/> R <input type="checkbox"/> W	DEPTH	TOTAL	Bbbs		
ROTATE	RPM	RECIPROCATE	FT	No. of Centralizers	ANNUAL VOLUME

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											
0148	2300			1			170	8.3			PRE-JOB SAFETY MEETING
0145	250		10	10	5.6	11	11				START 420
0149	325		91	10	5.10	CMT	11.5				↓ LDCMT
0204	130		20	101	5.6	CMT	14.8				↓ TL CMT
0209	230			121			H2O	8.3			SHUT DOWN WASH TAPIT
0214	130		69		5.6	11	11				DIAP TOP BING START DISO
0222					3.6	11	11				LOWER RATE
0227	390			59	3.6	11	11				LOWER RATE
0227	400			61	2	11	11				PSYCHECK
0232	500			69	2	11	11				" "
0233	700			69	2	11	11				BUMP PLUG
0234											BLEED LINE CHECK FLOW

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED			
						BBS	DENSITY		
1.	175	2.75	C4	3% A-79	+ 0.2% A-46	+ 0.25% A-29	91	11.5	
2.									
3.	75	1.37	C4	2% A-1	+ 0.6% A-60	+ 0.2% A-46	+ 0.25% A-29	20	14.0
4.									
5.									
6.									

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 700	MIN. 130
<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	
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL. 69	Bbbs
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR
				J.A. MOORE	Ret Pearson