

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- 189-21827-00-00

Operator: License # 5208

County Stevens

Name: Mobil Oil Corporation

- NW - SE - SE Sec. 8 Twp. 33s Rge. 36 X W

Address P.O. Box 2173

1250 Feet from S (circle one) Line of Section

2319 North Kansas Avenue

1250 Feet from E (circle one) Line of Section

City/State/Zip Liberal, KS 67905-2173

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

Purchaser: Spot Market

Lease Name Cobb #1 Unit Well # 4

Operator Contact Person: Sharon Cook

Field Name Hugoton

Phone (316) 626-1142

Producing Formation Chase

Contractor: Name: Cheyenne Drilling

Elevation: Ground 3053 KB 3064

License: 5382

Total Depth 2981 PBDT 2928

Wellsite Geologist: L. J. Reimer

Amount of Surface Pipe Set and Cemented at 633 Feet

Designate Type of Completion

Multiple Stage Cementing Collar Used? Yes X No

X New Well Re-Entry Workover

If-yes, show depth set NA Feet

Oil SWD SLOW Temp. Abd.

If Alternate II completion, cement circulated from NA

X Gas ENHR SIGW

feet depth to NA w/ NA sx cmt.

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

Drilling Fluid Management Plan ALT 1 894 9-18-95
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 13,000 ppm Fluid volume 401 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

Lease Name Hill #3 SWDW License No. 5208

Plug Back PBDT

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

Commingled Docket No.

County Stevens Docket No. CD-117710

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

12-20-94 12-23-94 1-24-95

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 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

5-58.kcc

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

RECEIVED
K.C.C. OFFICE USE ONLY
F 12/23/95 Letter of Confidentiality Attached
C 12/23/95 Wireline Log Received
FEB 23 1995 Geologist Report Received
DISTRIBUTION
_____ SWD/Rep _____ NGPA
_____ Plug _____ Other
(Specify)

Form ACO-1 (7-91)

ORIGINAL

SIDE TWO

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

Sec. 8 Twp. 33S Rge. 36 East County Stevens West

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.)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run (Submit Copy.)
List All E.Logs Run:
Array Induction Shallow Focused Electric Log
Compensated Neutron Compensated Photo-Density Log

Table with columns: Log, Formation (Top), Depth and Datums, Sample. Rows include Glorietta, Stone Corral, Chase, Council Grove with their respective depths and datums.

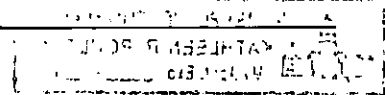
CASING RECORD table with columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives. Includes Surface Casing and Production Casing data.

ADDITIONAL CEMENTING/SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type and Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run, Date of First, Resumed Production, SWD or Inj., Producing Method, Estimated Production Per 24 Hours, Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity.

Disposition of Gas: Vented, Sold, Used on Lease. METHOD OF COMPLETION: Open Hole, Perf., Dually Comp., Conningled, Other. Production Interval: 2668, 2792.



Well Data - Well History Report

Lease: COBB #1 UNIT WELL #4 Well #: 4 Well ID: 0052980
 API #: 15-189-21827-00 State: KS County: STEVENS
 Ppty ID: 1992600 OCSG #:

Spud Date: 12/20/1994 Water Depth: 0 KB Height: 11
 Spud Time: 09:00 Original Ref Point: KB BH Height: 0
 DF Height:

ORIGINAL

Drilling Job Start/End: 12/20/94 @ 09:00 to 12/23/94 @ 14:30
 Completion Job Start/End: 01/09/95 @ 09:00 to 01/24/95 @ 14:00

DATE	ACTIVITY	OD	TD	Diam(@TD)	Grade	Wt/FT	Connection	Top/Bot
12/20/94	CASING	8.625	24.00#	US50				0/633
12/23/94	CASING	5.500	14.00#	US50				0/2971

WELLBORE SUMMARY

API WB#	Creation Date	Top	TD	Diam(@TD)	Plug Back Date	Plug Back Depth (PBD)
00	12/20/94	0	2981		12/23/94	2981
00	12/20/94	0	2981		01/24/95	2928

CASING SUMMARY

Date RUN	String	OD	ID	Grade	Wt/FT	Connection	Top/Bot
12/20/94		8.625	8.097	US50	24.00	STC	0/633
12/23/94		5.500	5.012	US50	14.00	STC	0/2971

PERFORATION SUMMARY

Perf Date	Top Perf	Btm Perf	Zone Name	Phase Hole SPF (deg)	Hole Size J/B	Sqzd
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PERFORATION TIME CODE ACTIVITY

DATE	HOURS	CODE	ACTIVITY
1995-01-09	4.00	636	MIRU ATLAS WIRELINE, RUN GR/CCL. LOG F/P BTD-2400'. PERFORATE USING 4" CSG GUN. F /2792'-2668'. RDMO ATLAS.

RECEIVED
 STATE CORPORATION COMMISSION
 FEB 24 1995
 CONSERVATION DIVISION
 MINERAL RESOURCES

Well Data - Well History Report

ORIGINAL

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WELL TREATMENT TIME CODE ACTIVITY

DATE	HOURS	CODE	ACTIVITY
-----	-----	---	-----
1995-01-10	1.00	657	TST LINES TO 3000# ACIDIZE PERF W/ 1000 GALS 7.5% HCL & 1000 GAL WTR, IN 500 GAL STAGES BEGIN W/WTR. & BALL SEALER FORM. BROKE @ 2272#, GOOD BALL ACTION & BALL OUT, AIR 9 P BPM, _R/ GUAGE RING & CLEAR PERFS
1995-01-10	1.00	655	FRAC VIA CSG W/96000# 10/20 SND & 950 BB L' X-LINKED GELLED FW, SND RAMMED 1PPG-9 PPG, AIR 50 BPM, SCREENED OUT WITH 57 BB L'S FLUCH IN CSG, INSIP 487# 5 MIN SI 0 SI

Report Generated on: 02/20/95 @ 08:10 End of Report...

RECEIVED
STATE CORPORATION COMMISSION
FEB 24 1995
CONSERVATION DIVISION
WRIGHT, BRISAS

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER
PAGE 0312 674.6
DS DISTRICT 0312

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

WELL NAME AND NO. Cobb # 1-4	LOCATION (LEGAL) sec 8-385-36 W	RIG NAME: Cheyenne # 4
FIELD-POOL	FORMATION	WELL DATA:
COUNTY/PARISH Stevens Co 189	STATE Kansas 15	API. NO.
NAME Mobil Oil Corp	AND:	WELL DATA: BIT SIZE 12 1/4 CSG/Liner Size 8 5/8
ADDRESS	ZIP CODE	WELL DATA: TOTAL DEPTH 633 WEIGHT 29
SPECIAL INSTRUCTIONS		WELL DATA: <input type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE 633.17
		WELL DATA: MUD TYPE H₂O GRADE
		WELL DATA: <input type="checkbox"/> BHST <input type="checkbox"/> BHCT - THREAD 8rd
		WELL DATA: MUD DENSITY - LESS FOOTAGE SHOE JOINT(S) 43.16 TOTAL 376
		WELL DATA: MUD VISC. - Disp. Capacity 0.677

NOTE: Include Footage From Ground Level To Head In Disp. Capacity		
Stage Tool	TYPE	DEPTH
Insert		
DEPTH	590	
Stage Tool	TYPE	DEPTH
DEPTH	633	

Cement 8 5/8 Surf. casing w	Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB
Lead: 175 sbs 50/50 c/poz + 6% D20 + 3% S1 + 1/4 #156 D29	<input type="checkbox"/> Double	SIZE	TOOL	TYPE
Tail: 175 sbs 50/50 c/poz + 0.75% D20 + 3% S1 + 1/4 st D29	<input checked="" type="checkbox"/> Single	<input type="checkbox"/> WEIGHT	DEPTH	
IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE	TAIL PIPE: SIZE	DEPTH
LIFT PRESSURE 260 PSI CASING WEIGHT + SURFACE AREA (3.14 x 189 x 15)	<input type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD	TUBING VOLUME	Bbls
PRESSURE LIMIT 2500 PSI BUMP PLUG TO End + 300 PSI	TOP <input checked="" type="checkbox"/> OR <input type="checkbox"/> DW	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL	Bbls
ROTATE - RPM RECIPROCATE - FT No. of Centralizers	BOT <input type="checkbox"/> OR <input type="checkbox"/> DW	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	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
15:30											
15:46			25		7.5		1				
15:53		150			"		12.7				
16:00		100			"		14.8				
16:11											
16:17		200			2.5						
16:22		600			28PM						
16:22											
16:22		600									

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REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
							BBLs	DENSITY	
1.	175	2.11	50/50	c/poz	+ 6% D20	+ 3% S1	+ 1/4 #156 D29	65.8	12.2
2.	175	1.20	"	"	+ 0.75% D20	+ 3% S1	+ 1/4 #156 D29	37.9	14.8
3.									
4.									
5.									
6.									

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 700	MIN: 0
<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 20 Bbls.
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL. 37.5 Bbls	TYPE OF WELL	<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT. MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	S. Luberger

CEMENTING SERVICE REPORT



Dowell SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 67-12-0755	DATE 12-23-94
STAGE 1	DS 0
DISTRICT 12	

DS-996-A PRINTED IN U.S.A.

WELL NAME AND NO. *66-12-0755-360*

LOCATION (LEGAL) *SEC. 8-20-360*

FIELD-POOL

FORMATION

COUNTY/PARISH *ST. CLAIR* STATE *LA* API. NO.

RIG NAME: *CHANCE 4*

WELL DATA:		BOTTOM	TOP
BIT SIZE <i>7 7/8</i>	CSG/Liner Size <i>5 1/2</i>		
TOTAL DEPTH	WEIGHT <i>147</i>		
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <i>1778</i>		
MUD TYPE	GRADE <i>10.0</i>		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD <i>520</i>		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) <i>2916</i>		TOTAL
MUD VISC.	Disp. Capacity <i>71.6</i>		

NAME *Mud ...*

AND

ADDRESS

ZIP CODE *70001*

SPECIAL INSTRUCTIONS

...

SHOE	TYPE	DEPTH	SHOE	TYPE	DEPTH
	<i>OUTER FLOOR</i>	<i>2936.55</i>			
	<i>...</i>	<i>2971</i>			

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE

Single WEIGHT

Swage GRADE

Knockoff THREAD

TOP OR NEW USED

BOT OR DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE *1731* PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT PSI BUMP PLUG TO PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

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

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
09:00								PRE-JOB SAFETY MEETING YES
09:25		2700			5.9	H2O	2.3	R105 test lines
09:28		330	25		5.9	H2O	2.3	START H2O
09:33		400	135		5.9	CMF	11.5	STOP H2O CMF
09:44		720	19		5.9	CMF	11.5	POST CHECK
09:57		730	37	135	5.9	CMF	11.5	START TOOL JOINT
10:03		40		37	5.9	CMF	11.5	CMF check out
10:03		0						SL + BBL ...
10:07		40			6.2	H2O	2.3	START DISP
10:15		450			6	H2O	2.3	POST CHECK
10:19		710	53		7.2	H2O	2.3	POST CHECK
10:24		990			7.2	H2O	2.3	POST CHECK
10:34								1800 ...
								...

ORIGINAL

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
1.	225	2.25					1.26	11.5
2.								
3.	152	1.37					37	14.5
4.								
5.								
6.								

BREAKDOWN FLUID TYPE

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. *72.4* Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO

CUSTOMER REPRESENTATIVE *Joe ...*

DS SUPERVISOR *...*