

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- 189-219880000

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

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

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 PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

9-6-95 9-9-95 10-3-95

Spud Date Date Reached TD Completion Date

County Stevens
SW NE NE Sec. 22 Twp. 32S Rge. 37 X W^E

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

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

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

Lease Name Hutton #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3117 KB 3126

Total Depth 2974 PBTB 2916

Amount of Surface Pipe Set and Cemented at 632 Feet

Multiple Stage Cementing Collar Used? Yes 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 see 4-1-96
(Data must be collected from the Reserve Pit)

Chloride content 2,600 ppm Fluid volume 121 bbls

Dewatering method used Waste Water Treatment Mud System

Location of fluid disposal if hauled offsite:

DEC 20 1995

Operator Name Mobil Oil Corporation

Lease Name Hill #3 SWD CONSERVATION NO. 5208

SW Quarter Sec. 3 Twp. 33 S Rng. 37 EW

County Stevens Docket No. CD-117710

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 12-19-95

Subscribed and sworn to before me this 19th day of December, 19 95.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999
5-253.kcc

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

↓
KCC SWD/Rep NGPA
KGS Plug Other
(Specify)

NOTARY PUBLIC - State of Kansas
DANA S. BAILEY
My Appl. Exp. 8-30-99

Operator Name Mobil Oil Corporation Lease Name Hutton #1 Unit Well # 3
 Sec. 22 Twp. 32S 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 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

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#	632	Class C Class C	200 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2964	Class C Class C	300 150	3% D79 2% 828

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	2598-2608 2792-2807	Acid: 1,000 gals 7.5% HCL
	2635-55	Fract: 793 bbls 20# Crosslink gel
	2684-99	136,560 lbs 12/20 Brady Sand
	2754-74	

TUBING RECORD Size Set At Packer At Liner Run Yes No

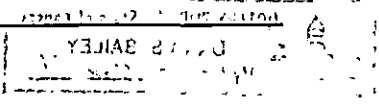
Date of First, Resumed Production, SWD or Inj. 9-29-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		234			

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval 2598 2807



CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

03-12-7500

DATE 9-8-95

STAGE

DS

DISTRICT

WYSSOS, KS 03-12

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

WELL NAME AND NO. Hutton #1-3		LOCATION (LEGAL) SEC 22-32S-37W		RIG NAME: MURFEN #24	
FIELD-POOL HUGOTON		FORMATION CHASE		WELL DATA: BIT SIZE 7 7/8 CSG/Liner Size 5 1/2	
COUNTY/PARISH STEVENS		STATE KS		TOTAL DEPTH 2974 WEIGHT 14	
NAME MOBIL OIL CORP.		API. NO.		<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE 2964	
ADDRESS				MUD TYPE GRADE USS50	
ZIP CODE				<input type="checkbox"/> BHST <input type="checkbox"/> BHCT THREAD 8RD	
SPECIAL INSTRUCTIONS Safely Cement 5 1/2 production casing with 300 sks of lead and 150 sks of tail cement as directed by the customer.				MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 44	
				MUD VISC. Disp. Capacity 71.2	

ORIGINAL

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

Float	TYPE INSERT FLOAT VALVE	DEPTH 2920	Stage Tool	TYPE	DEPTH
SHOE	TYPE CMT NOSE	DEPTH 2964	TOOL	TYPE	DEPTH
Head & Plugs	<input type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB			
<input type="checkbox"/> Double	SIZE	TOOL TYPE			
<input checked="" type="checkbox"/> Single	<input type="checkbox"/> WEIGHT	DEPTH			
<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE	TAIL PIPE: SIZE		DEPTH	
<input type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD	TUBING VOLUME		Bbls	
TOP <input type="checkbox"/> OR <input type="checkbox"/> DW	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL		Bbls	
BOT <input type="checkbox"/> OR <input type="checkbox"/> DW	DEPTH	TOTAL		Bbls	
ROTATE	RPM	RECIPROCATATE	FT	No. of Centralizers	ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 1747 PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)	JOB SCHEDULED FOR TIME 2400 DATE 9-8-95	ARRIVE ON LOCATION TIME 2345 DATE 9-8-95	LEFT LOCATION TIME 0430 DATE 9-9-95
PRESSURE LIMIT 500 OVER PSI	BUMP PLUG TO 880 PSI				

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0130								PRE-JOB SAFETY MEETING
0222	2700					H ₂ O 8.33		PRESSURE TEST LINES
0223		200	25		5.7	H ₂ O 8.33		START H ₂ O SPACER
0228		350	146	25	5.7	CMT 11.5		START LEAD SLURRY
0253		120	36.5	171	5.7	CMT 14.8		START TAIL SLURRY
0300				2075				SHUTDOWN/WASH LINES / DROP TOP PLUG
0304		0	71		6.0	H ₂ O 8.33		START Displacement
0314		700		60	5.3	H ₂ O 8.33		PSI Check
0318		730		70	2.3	H ₂ O 8.33		PSI Check
0319		880		725				STOP Pump / Plug Down
0321								Bleed Line / Check FLOAT / NOT Holding
0324								Shut-IN MANIFOLD

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	200	2.75	CLASS C + 3% D79 + 0.2% D46 + 1/4 lb/sk D29				146.9	11.5
2.	150	1.37	CLASS C + 2% B28 + 2% S1 + 0.1% D60 + 0.2% D46				36.5	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	MIN: 59 SKS
<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	29 Bbls
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL.	72.5 Bbls	TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> GAS
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input checked="" type="checkbox"/>	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	
			JEFF LASITER	RUSS WAGSTAFF	

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

STAGE

DS

DISTRICT

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

WELL NAME AND NO.

LOCATION (LEGAL)

RIG NAME

FIELD-POOL

FORMATION

WELL DATA:

BOTTOM

TOP

COUNTY/PARISH

STATE

API NO.

BIT SIZE

CSG/Liner Size

TOTAL DEPTH

WEIGHT

ROT CABLE

FOOTAGE

MUD TYPE

GRADE

BHST

BHCT

THREAD

MUD DENSITY

LESS FOOTAGE SHOE JOINT(S)

MUD VISC.

Disp. Capacity

TOTAL

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

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

Float

TYPE

DEPTH

Stage Tool

TYPE

DEPTH

SHOE

TYPE

DEPTH

Stage Tool

TYPE

DEPTH

ORIGINAL

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 BW

NEW USED

CASING VOL. BELOW TOOL

Bbls

BOT OR CW

DEPTH

TOTAL

Bbls

ANNUAL VOLUME

Bbls

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE

260

PSI

CASING WEIGHT + SURFACE AREA

(3.14 x R²)

PRESSURE LIMIT

PSI

BUMP PLUG TO

820

PSI

ROTATE

RPM

RECIPROCATATE

FT

No. of Centralizers

JOB SCHEDULED FOR

TIME: 8:30

DATE: 9-6-95

ARRIVE ON LOCATION

TIME: 8:30

DATE: 9-6-95

LEFT LOCATION

TIME: 2:30

DATE: 9-6-95

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION			LEFT LOCATION		
	TBG OR D.P.	CASING	INCREMENT	CUM.	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE	TIME	DATE
0001 to 2400													
1941	1700												
1942	0		25		6	H2O							
1947	180		68		6	CMT	12.8						
1954	170		45		6	CMT	12.8						
1959	260		33		6	CMT	14.6						
2002	260		22		6	CMT	14.6						
2006	0												
2007	0		37.3		5.8	H2O							
2009	110		10		5.8	H2O							
2010	160		20		5.8								
2012	250		30		5								
2014	270		35		2.5								
2014	820		37		2.5								
2015	400												

PRE-JOB SAFETY MEETING: PSI Test
 start H2O ahead
 start lead CMT
 PSI check
 start tail CMT
 PSI check
 shutdown deep top plug
 start displacement
 PSI check
 " " " "
 start lowering rate
 PSI check
 LUMP top plug
 bleed part of to 400 psi
 shut in CMT manifold
 ENDJOB

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	200	1.89	SO ₂ + 6% gr 1 + 3% carl ₂ + 5% D44 + 1/4" D79				61.3	12.8
2.								
3.	150	1.72	SO ₂ + 2.5% carl ₂ + 1/4" D79				32.5	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE

HESITATION SQ. RUNNING SQ.

VOLUME

DENSITY

PRESSURE

YES NO

Cement Circulated To Surface YES NO

Bbls

BREAKDOWN

PSI

FINAL

PSI

DISPLACEMENT VOL.

37.3 Bbls

TYPE OF WELL

OIL STORAGE BRINE WATER

GAS INJECTION WILDCAT

Washed Thru Perfs YES NO

TO

FT.

MEASURED DISPLACEMENT

WIRELINE

PERFORATIONS

CUSTOMER REPRESENTATIVE

DS SUPERVISOR

TO

TO

Russell Worley

James Esquivel