

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

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173

2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Norseman Drilling

License: 3779

Wellsite Geologist: L. J. Reimer

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIGW 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 _____ PBDT _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

5-22-96 5-26-96 6-17-96

Spud Date _____ Date Reached TD _____ Completion Date _____

API NO. 15- 189-220290000

County Stevens

 - NW - SE - SW Sec. 3 Twp. 33S Rge. 37 E W

1250 Feet from S (circle one) Line of Section

1695 Feet from E (circle one) Line of Section

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

Lease Name Hill #1 Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3123 KB 3132

Total Depth 2920 PBDT 2864

Amount of Surface Pipe Set and Cemented at 671 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 ALT 1 JH 10-17-97
(Data must be collected from the Reserve Pit)

Chloride content 8,500 ppm Fluid volume 350 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite: _____

Operator Name Mobil Oil Corporation

Lease Name Hill #3 SWDW License No. 5208

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

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 8-6-96

Subscribed and sworn to before me this 6th day of August, 19 96.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999

6-157.kcc



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)

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 23-12-8373 DATE: 5-22-96
STAGE: DS DISTRICT: Ulysses, KS

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

WELL NAME AND NO. *Hill #1-4* LOCATION (LEGAL) *Sec. 3-335-374*
 FIELD-POOL _____ FORMATION _____
 COUNTY/PARISH *Stephens* STATE *Ks.* API. NO. _____
 NAME *Mobil Oil Corp*
 AND _____ **ORIGINAL**
 ADDRESS _____ ZIP CODE _____

RIG NAME: *HORSEMAN #2*
 WELL DATA: BIT SIZE *2 7/8* CSG/Liner Size *8 5/8* BOTTOM TOP
 TOTAL DEPTH *680* WEIGHT *24*
 ROT CABLE FOOTAGE *671*
 MUD TYPE GRADE *4555*
 BHST BHCT THREAD *820*
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) *3.9* TOTAL
 MUD VISC. Disp. Capacity *40.2*

SPECIAL INSTRUCTIONS
RECEIVED
 KANSAS CORPORATION COMMISSION
AUG 07 1996
 IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE *270* PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT *WICHITA* PSI BUMP PLUG TO *800* PSI
 ROTATE RPM _____ RECIPROCATATE FT _____ No. of Centralizers _____

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE *beefle plate* DEPTH *632*
 SHOE TYPE *cm. nose* DEPTH *671*
 Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE _____ TOOL TYPE _____
 Single WEIGHT _____ DEPTH _____
 Swage GRADE _____ TAIL PIPE: SIZE _____ DEPTH _____
 Knockoff THREAD _____ TUBING VOLUME _____ Bbbs
 TOP OR EW NEW USED CASING VOL. BELOW TOOL _____ Bbbs
 BOT OR OW DEPTH _____ TOTAL _____ Bbbs
 ANNUAL VOLUME _____ Bbbs

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											
0009	1100										
0011	0		25		5.7	H2O					
0015	50		76		5.6	cm.	12.8				
0022	120		40		5.6	cm.	12.8				
0029	90		37		5	cm.	14.6				
0034	170		25		5.6	cm.	14.6				
0036	0										
0037	0		40.2		5	H2O					
0042	170		20		5	H2O					
0044	270		30		5						
0044	260		31		2.4						
0047	180		38		2.4						
0048	800		40.2		2.4						
0049											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
1.	225	1.89	<i>50c scopol + 6% opol + 3% cacch + 5% D44 + 1/4 #1029</i>				75.7	12.8
2.								
3.	170	1.72	<i>50c scopol + 2.5% cacch + 1/4 #1029</i>				36.9	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE _____ VOLUME _____ DENSITY _____ PRESSURE _____ MAX. *30 MIN*
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO *10* Bbbs
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. *40.2* Bbbs TYPE OF WELL OIL STORAGE BRINE WATER
 GAS INJECTION WILDCAT
 Washed Thru Perfs YES NO TO _____ FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS _____ CUSTOMER REPRESENTATIVE *Dennis Russell* DS SUPERVISOR *James Esquivel*

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 0378
DATE: 5-25-96
STAGE: 25 DS DISTRICT: 0312 UKS

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

WELL NAME AND NO.: Hill 1-4
LOCATION (LEGAL): SEC 3-335-37W
FIELD-POOL: Hugoton
FORMATION: CHASE
COUNTY/PARISH: STEVENS
STATE: KANSAS
API. NO.:
NAME: Mobil Oil
AND:
ADDRESS:
ZIP CODE:

RIG NAME: NORSMAN #2
WELL DATA: BOTTOM TOP
BIT SIZE 7 7/8 CSG/Liner Size 5 1/2
TOTAL DEPTH WEIGHT 14#
 ROT CABLE FOOTAGE 2949.52
MUD TYPE GRADE
 BHST BHCT THREAD 8RD ORIGINAL
MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 38.52 TOTAL
MUD VISC. Disp. Capacity 2911 71

SPECIAL INSTRUCTIONS

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
Float TYPE: ORICE Fill DEPTH: 2911
Shoe TYPE: DEPTH:

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE 1739 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT PSI BUMP PLUG TO 1440 PSI
ROTATE RPM RECIPROCATATE FT No. of Centralizers

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE 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: 0001 to 2400 PRESSURE: TBG OR D.P. CASING VOLUME PUMPED BBL: INCREMENT CUM
JOB SCHEDULED FOR TIME: 4:50 PM DATE: 5-25-96 ARRIVE ON LOCATION TIME: 2000 DATE: 5-25-96 LEFT LOCATION TIME: 0300 DATE: 5-26-96

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
PRE-JOB SAFETY MEETING								
6055	UA	180	25		5.7	H2O	8.34	START H2O AHEAD
6100		260	69	25	5.7	CMT	11.5	START LEAD
6111		90	19	94	5.7	CMT	14.8	START TAIL
6117		20		113				SHUTDOWN WASH LINES
6121		20	70	113	5.7	H2O	8.34	START DISPLACEMENT
6132		540		173	2.5	H2O	8.34	LOWER RATE
6135		1440		183		"	"	BUMP PLUG
6137								BLEED PSI & CHECK FLOAT

RECEIVED
KANSAS CORPORATION COMMISSION
AUG 07 1996
CONSERVATION DIVISION
WICHITA, KS

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	140	2.75	CLASS C + 3% D79 + 0.2% D46 + 1/4# SK D29				68.5	11.5
2.	75	1.37	CLASS C + 2% B28 + 2% S1 + 0.6% D60 + 0.2% D46 + 1/4# SK D29				18.3	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO
PRESSURE 1440 MAX. MIN:
Cement Circulated To Surf. YES NO Bbls
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 70 Bbls
TYPE OF WELL: OIL GAS STORAGE INJECTION BRINE WATER WILDCAT
Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
PERFORATIONS TO TO CUSTOMER REPRESENTATIVE: MARDIN HARVEY DS SUPERVISOR: John & Elliott