

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

API NO. 15- 189-220850000

County Stevens

- W/2 - W/2 - NE Sec. 20 Twp. 32S Rge. 37

1320 Feet from S (N) (circle one) Line of Section

5130 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 Holt #1 Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3150 KB 3159

Total Depth 2935 PBD 2881

Amount of Surface Pipe Set and Cemented at 665 Feet

Multiple Stage Cementing Collar Used? Yes X 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 A/H-1-2-25-98 v.c.
(Data must be collected from the Reserve Pit)

Chloride content 6,700 ppm Fluid volume 390 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

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

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: Norseman Drilling Inc.

License: 3779

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 PBD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

8-6-96 8-8-96 9-7-96
Spud Date Date Reached TD Completion Date

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

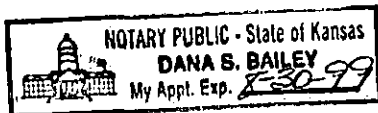
Title Regulatory Assistant Date 11-6-96

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

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999
6-200.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)



Operator Name Mobil Oil Corporation Lease Name Holt #1 Unit Well # 4
 Sec. 21 Twp. 32S Rge. 37 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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E.Logs Run:				
NO LOGS RUN				

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#	665	Class C Class C	210 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2926	Class C Class C	150 75	3% D79 2% B28

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	2618-2624	2808-2823	Acid: 1,000 gals 7.5% HCL
	2653-2668		Fracs: 27,500 gals 20# Crosslink gel	
	2705-2715		135,180 lbs 12/20 Brady Sand	
	2768-2783			

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 8-30-96			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	Mcf	Water	Bbls. Gas-Oil Ratio Gravity
			325			

Disposition of Gas: METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2618
 (If vented, submit ACO-18.) Other (Specify) 2823

DANA S. BAILEY

CEMENTING-SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER **8547** DATE **8-8-96**
STAGE **1** DS **03-12** DISTRICT **ULYSSES, KS**

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

WELL NAME AND NO. **HDIT # 1.4**
LOCATION (LEGAL) **SEC. 20-325-37W**
FIELD-POOL **HUBERTON**
FORMATION **CHASE**
COUNTY/PARISH **Stevens**
STATE **KS** API. NO.

RIG NAME: **NORSEMAN DRILL RIG #12**
WELL DATA: **BOTTOM**
BIT, SIZE **7 7/8** CSG/Liner Size **5 1/2**
TOTAL DEPTH **2935** WEIGHT **14**
 BOT CABLE FOOTAGE **2926**
MUD TYPE GRADE **USS50**
 BHST THREAD **8 2d**
MUD DENSITY **2881** LESS FOOTAGE SHOE JOINT(S)
MUD VISC. Disp. Capacity **70.3** TOTAL

NAME **mobil Oil ORIGINAL**
AND
ADDRESS
ZIP CODE

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

Float	TYPE Auto Fill Flapper	DEPTH 2881	Stage Tool	TYPE	DEPTH
SHOE	TYPE CMT. Nose	DEPTH 2926		TYPE	DEPTH

SPECIAL INSTRUCTIONS
**Safely cement 5 1/2 Long-string
As per customers instructions**

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE WEIGHT TOOL TYPE DEPTH
 Single GRADE TAIL PIPE: SIZE DEPTH
 Swage THREAD TUBING VOLUME Bbls
 Knockoff NEW USED CASING VOL. BELOW TOOL Bbls
TOP OR BOT OR DEPTH TOTAL Bbls
ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE **1725** PSI CASING WEIGHT + SURFACE AREA (8.14 x R)
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
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME: DATE:
0001 to 2400								
0545	2400	X	7			H2O	8.3	PRE-JOB SAFETY MEETING
0547	280	10	7	5.5		"	"	PRESS. TEST Lines
0549	2912	74	10	5.5		CMT	11.5	START H2O
0603	210	18	24	5.5		"	14.8	START LD. CMT.
0606	250		102					START TL. CMT.
0610	90		6			H2O	8.13	START DOWN WASH TAP
0615	150		30	6		"	"	drop plug start disp
0617	280		42	6		"	"	85.0 shell
0620	590		61	6		"	"	81.10
0621	490		63	2.5		"	"	lower rate
0624	1050		70.3					check back
0625								bleed line check float
0626								END JOB

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
			BLS	DENSITY	BLS	DENSITY	
1.	150	2.75	C+ 3% D79 + .2% D46 + 1/4 #/sk D29	70	11.5		
2.							
3.	75	1.37	C+ 2% B28 + 2% S1 + .6% Dbot + .2% D46 + 1/4 #/sk D29	18	14.8		
4.							
5.							
6.							

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 1050 MIN. 90
 HESITATION SQ. BURNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 102.3 Bbls TYPE OF WELL OIL GAS STORAGE BRINE WATER
 Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE INJECTION WILDCAT
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Russell Worley** DS SUPERVISOR **Ray Gardner**

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 8538 DATE: 8-6-96

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

STAGE 1 DS 03-12 DISTRICT: WILLYSSES, KS.

WELL NAME AND NO. 1401T # 1-4	LOCATION (LEGAL) Sec. 20-325-37W	RIG NAME: NORFEMAN DRILL RIG # 2
FIELD-POOL HUBBTON	FORMATION SURFACE	WELL DATA: BIT SIZE 12 1/4 CSG/Liner Size 8 5/8
COUNTY/PARISH Stevens	STATE KS.	TOTAL DEPTH 75 WEIGHT 24
	API. NO.	53-ROT <input type="checkbox"/> CABLE FOOTAGE 665
		MUD TYPE GRADE, USS50
		<input type="checkbox"/> BHST <input type="checkbox"/> BHCT THREAD 8RD
		MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 6.3
		MUD VISC. Disp. Capacity 3710

NAME: Mobil Oil Corp.

AND

ORIGINAL

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

Safety Cement 8 5/8 SURFACE AS PER

CUSTOMERS INSTRUCTIONS

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 270 PSI CASING WEIGHT SURFACE AREA (3.14 x R²)

PRESSURE LIMIT PSI BUMP PLUG TO 620 PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity	SHOE	Floor	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
			DRAP PLATE	624			
			CMT MISC	665			

Head & Plugs	<input type="checkbox"/> TGB	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE	TOOL	TYPE	DEPTH
<input checked="" type="checkbox"/> Single	<input type="checkbox"/> WEIGHT			
<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"/> SW	<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
			ANNUAL VOLUME	Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TGB OR D.P.	CASING	INCREMENT	CUM	TIME: 0630	DATE: 8-6	TIME: 0630	DATE: 8-6	TIME: 12	DATE: 8-6	
0001 to 2400											
0717		1700	X			H2O	8.3				
0720		90	25	X	5.5	"	"				
0725		120	21	25	5.5	CMT	12.8				
0738		150	32	96	4	CMT	14.6				
0746		90		128							
0748		110	40	X	6.3	H2O	9.3				
0751		190		20	6	16	11				
0753		130		32	6	"	"				
0757		620		40	2	"	"				
0759		620									

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	210	1.89	50/50 P2/C + 6% D20 + 3% SI + 5% N44 (Bwoid) + 1/4" SK D29				71	12.8
2.								
3.	150	1.22	50/50 P2/C + 2.5% SI + 1/4" SK D29				32	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 620	MIN. 90
<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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO 20 Bbls
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL. 40	Bbls	TYPE OF WELL
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT. MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	
			Russell Woffley	R. J. ...	