

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

API NO. 15- 189-219980000 **ORIGINAL**

County Stevens

NE - SW - SE Sec. 23 Twp. 33S Rge. 35 X W^E

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

1600 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 Grothe #1-B Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2972 KB 2981

Total Depth 2903 PBDT 2852

Amount of Surface Pipe Set and Cemented at 673 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 see I 4-17-96
(Data must be collected from the Reserve Pit) RU

Chloride content 2,800 ppm Fluid volume 130 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name J.S. Burchett #2 SWDW License No. 5208

SE Quarter Sec. 35 Twp. 32 S Rng. 35 E/W

County Stevens Docket No. D-25,119

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
X New Well Re-Entry Workover

Oil SWD S1OW Temp. Abd.
X 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. _____

10-10-95 10-13-95 10-23-95
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 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 1-8-96

Subscribed and sworn to before me this 8th day of January,
19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
6-25.kcc

K.C.C. OFFICE USE ONLY

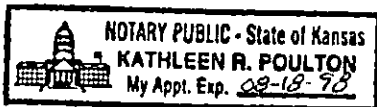
F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

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



Operator Name Mobil Oil Corporation Lease Name Grothe #1-B Unit Well # 3

Sec. 23 Twp. 33S Rge. 35 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 WERE 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#	673	Class C Class C	225 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2893	Class C	125	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
2 SPF	2656-66	Acid: 500 gals 15% HCL	
	2692-2698		
	2726-46		
	2768-83		

TUBING RECORD

Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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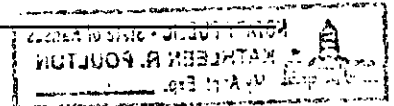
Date of First, Resumed Production, SWD or Inj. 10-20-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		107			

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: 2656
2783



CEMENTING SERVICE REPORT

Schlumberger

Dowell
DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 7667
DATE: 10-12-95
STAGE: 1 DS: 03 DISTRICT: 12

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

WELL NAME AND NO.: GROTHE 1-6 #3
LOCATION (LEGAL): SEC. 23-335-350
FIELD-POOL: HUGSTON
FORMATION: CHASCO
COUNTY/PARISH: STEVENS
STATE: KS
API. NO.:

RIG NAME: 4015MAN 2
WELL DATA:
BIT SIZE: 7 7/8
CSG/Liner Size: 5 1/2
TOTAL DEPTH: 14
WEIGHT: 14
FOOTAGE: 2893
MUD TYPE: GRADE
MUD DENSITY: 2.832
MUD VISC.: 69.6
DISP. CAPACITY: 69.6

NAME: mobil
AND:
ADDRESS:
ZIP CODE:

ORIGINAL

SPECIAL INSTRUCTIONS:
Baffle cement 5 1/2 4.500 Per customer's orders

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
Float TYPE: cement fill plug DEPTH: 2852
Stage Tool TYPE: cement nose DEPTH: 2893

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE: 1710 PSI
PRESSURE LIMIT: 1000 PSI
ROTATE: RPM RECIPROCATATE FT No. of Centralizers

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double SIZE
 Single WEIGHT
 Swage GRADE
 Knockoff THREAD
TOOL TYPE DEPTH
TAIL PIPE: SIZE DEPTH
TUBING VOLUME Bbls
CASING VOL. BELOW TOOL Bbls
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	
00:21		1500									
00:22		50	25	x	6.0	11	11				
00:27		170	31	25	6.0	11	14.8				
00:32				56							
00:33											
00:35		30	70		6	11	8.3				
00:40		400		62	6	11	11				
00:47		350		57	2	11	11				
00:50		110		70	2	11	11				
00:50		-		-	-	-	-				

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			1	2	3	4	BBLs	DENSITY
1.	125	1.37	C+2% B-28-+1% S-1+0.6% D-60+0.2% P-46					148
2.								
3.								
4.								
5.								
6.								

RECEIVED
STATE CORPORATION COMMISSION
JAN 0 1996
CONSERVATION DIVISION
WILHITA KANE

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST
BREAKDOWN: PSI FINAL PSI DISPLACEMENT VOL. 70 Bbls
Washed Thru Perfs: YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
PERFORATIONS: TO TO TO TO
CUSTOMER REPRESENTATIVE: JEFF LOGITER
DS SUPERVISOR: REJ KERRON

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

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

TREATMENT NUMBER 261	DATE 10-12-95
STATE LA	DS 03
DISTRICT 12	

WELL NAME AND NO. GROTHE 1-B #3	LOCATION (LEGAL) SEC. 23-335-35W
FIELD-POOL HUGOTON	FORMATION SURF
COUNTY/PARISH STEVENS	STATE KS
API. NO.	

RIG NAME: NOVEMAN #2	WELL DATA:		BOTTOM	TOP
BIT SIZE	CSG/Liner Size	8 5/8		
TOTAL DEPTH 677	WEIGHT	24		
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	673		
MUD TYPE	GRADE	USS50		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	800		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	6.33		TOTAL
MUD VISC.	Disp. Capacity	40.3		

NAME MOBIL

AND _____

ADDRESS _____

ZIP CODE _____

ORIGINAL

SPECIAL INSTRUCTIONS
Safety amt 85g as per customer orders

NOTE: Include Footage From Ground Level To Head In Disp. Capacity					
Float	TYPE P&E Plate	DEPTH 633	Stage Tool	TYPE	DEPTH
SHOE	TYPE CMT. nose	DEPTH 673		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 checked="" type="checkbox"/> W <input type="checkbox"/> O	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL		Bbls	
BOT <input type="checkbox"/> R <input type="checkbox"/> W	DEPTH	TOTAL		Bbls	
ROTATE RPM RECIPROCATE FT No. of Centralizers		ANNUAL VOLUME		Bbls	

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 280 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 2000 PSI BUMP PLUG TO 820 PSI

TIME: 0001 to 2400

ARRIVE ON LOCATION TIME: 10:10 DATE: 10-10

LEFT LOCATION TIME: DATE:

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: 10:30 DATE: 10-10			ARRIVE ON LOCATION TIME: DATE: 10-10		LEFT LOCATION TIME: DATE:	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
								SERVICE LOG DETAIL			
								PRE-JOB SAFETY MEETING			
20:49	1	1600		X		H2O	8.3	PSE + RST			
20:50		100	27	X	5.9	11	11	start H2O			
20:55		130	79	27	5.9	CMT	12.8	start LDCMT			
21:09		170		106	5.9	CMT	14.6	start TL CMT			
21:15								Shut Down DRAP PLUG			
21:16		60	41		6	H2O	9.3	start DISK			
21:20		220		24	6	11	11	CMT TO SURFACE			
21:21		260		31	6	11	11	PSE check			
21:22		190		33	2.3	11	11	Lower RATE			
21:25		230		39	2.3	11	11	PSE check			
21:25		820		41	2.3	11	11	Bump Plug			
21:27		300		-	-	-	-	bleedlines closed - H2O			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
1.	225	1.89	50	10.2	79	12.8		
2.			30	7.6	38	14.6		
3.	175	1.22	50	10.2	79	12.8		
4.			30	7.6	38	14.6		
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 820	MIN: 60
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	16 Bbls
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL. 41	Bbls	TYPE OF WELL
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"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT 485K
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR
			JEFF LISITER		Ray Pearson