

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- 189-220510000
County Stevens
- SW - NW - SE Sec. 10 Twp. 32S Rge. 36 ^E X W

Operator: License # 5208

1525 Feet from SW (circle one) Line of Section

Name: Mobil Oil Corporation

2630 Feet from EW (circle one) Line of Section

Address P.O. Box 2173

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

2319 North Kansas Avenue

Lease Name Batman #1 Unit Well # 3

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3051 KB 3060

Phone (316) 626-1142

Total Depth 2947 PBDT 2892

Contractor: Name: Norseman Drilling Inc.

Amount of Surface Pipe Set and Cemented at 646 Feet

License: 3779

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: L. J. Reimer

If yes, show depth set NA Feet

Designate Type of Completion
 New Well Re-Entry Workover

If Alternate II completion, cement circulated from NA

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

feet depth to NA w/ NA sx cmt.

Drilling Fluid Management Plan ALT 1 2/2 12-16-96
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 12,500 ppm Fluid volume 201 bbls

Operator: _____

Dewatering method used Waste Minimization Mud System

Well Name: _____

Location of fluid disposal if hauled offsite: _____

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. _____

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

2-19-96 2-22-96 3-22-96
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 430 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 6-5-96

Subscribed and sworn to before me this 5th day of June, 19 96.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999
6-126.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)

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

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Batman #1 Unit Well # 3
 Sec. 10 Twp. 32S 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.) List All E.Logs Run: <p style="text-align: center;">NO LOGS RUN</p>	<input type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> </table>	Name	Top	Datum
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#	646	Class C Class C	230 125	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2936	Class C Class C	160 75	3% D79 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
1 SPF	2678-88	Acid: 1,000 gals 7.5% HCL	
	2695-2705	Fracd: 714 bbls 20# Crosslink gel	
	2728-2743	135,530 lbs 12/20 Brady Sand	
	2785-2805		

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. 3/8-96		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 204 Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled 2678

Other (Specify) _____ 2805

Production Interval

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)

TOTAL

MUD VISC.

Disp. Capacity

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

NAME *mobile* AND ADDRESS ZIP CODE

ORIGINAL

SPECIAL INSTRUCTIONS

gabbler cmt. 8' by as per company man's order

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE *260* PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT *1500* PSI BUMP PLUG TO *600* PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers

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 R W

NEW USED

CASING VOL. BELOW TOOL

Bbls

BOT R W

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	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
0214		1500	-	X		H10	8.3				
0216		200	25	X	5.8	11	11				
0220		220	77	25	5.8	CMT	12.8				
0234		290	29	102	5.8	CMT	14.6				
0239				130							
0240		90	39		5.6	H10	8.3				
0246		180		31	2.0	11	11				
0248		170		35	2	11	11				
0251		600		39	2	11	11				
0253											

RECEIVED KANSAS CORP COMM JUN - 6 P 12: 01

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	230	1.97	50 # 100	60 # 20 + 60 # D-20 + 30 # 5-1 + 5 # D-44 (66062) + 1 # SKD-09			77	12.8
2.								
3.	125	1.22	50 # 100	30 # 5-1 + 1 # D-29			28	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX.	MIN.
<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	600	90
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	Bbls		
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE		
PERFORATIONS	TO	TO		CUSTOMER REPRESENTATIVE	DS	SUPERVISOR	
				Russell Worley		Reg Pearson	

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

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

TREATMENT NUMBER: 03-12-8162 DATE: 2-22-96
 STAGE: DS DISTRICT: Ulysses, Ks.

WELL NAME AND NO.: Bateman #1-3
 LOCATION (LEGAL): Sec. 10-325-36w
 FIELD-POOL: Hugoton
 COUNTY/PARISH: STEPHENS STATE: Ks. APL. NO.:
 NAME: Mobil Oil Corp
 AND: ORIGINAL

RIG NAME: NORSEMAN #2
 WELL DATA: BIT SIZE: 2 7/8 CSG/Liner Size: 5 1/2
 TOTAL DEPTH: 2937 WEIGHT: 14
 ROT CABLE FOOTAGE: 2937
 MUD TYPE: GRADE: 45555
 BHST BHCT THREAD: 8rd
 MUD DENSITY: LESS FOOTAGE SHOE JOINT(S): 44 TOTAL
 MUD VISC.: Disp. Capacity: 70.5

ADDRESS:
 ZIP CODE:
 SPECIAL INSTRUCTIONS:

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE: 1 1/2" Sept Float Valve TYPE:
 DEPTH: 2893 DEPTH:
 SHOE TYPE: CMT Nose TYPE:
 DEPTH: 2937 DEPTH:
 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: R W NEW USED CASING VOL. BELOW TOOL Bbls
 BOT: R W DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: PSI BUMP PLUG TO: 1040 PSI
 ROTATE: RPM RECIPROCATE FT No. of Centralizers

JOB SCHEDULED FOR TIME: 2:00 DATE: 2-22-96 ARRIVE ON LOCATION TIME: 2:100 DATE: 2-22-96 LEFT LOCATION TIME: 2:530 DATE: 2-22-96

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0343	3200							PRE-JOB SAFETY MEETING → PSI test liner
0346	0	25			5.6	H ₂ O		start H ₂ O ahead
0351	250	78			5.6	CMT	11.5	start lead CMT.
0358	150	40			15.6	CMT	11.5	psi check
0406	100	18			3.8	CMT	14.8	start + tail CMT.
0408	90	10			3.8	CMT	14.8	psi check
0411	0							shutdown wash pump lines drop top plug
0414	0	70.5			6.3	H ₂ O		start displacement
0419	90	30			6.3	H ₂ O		psi check
0420	120	40			6.3			" "
0422	260	50			6.2			" "
0423	450	60			6			" "
0424	420	61			2.7			lower rate
0426	500	68			2.7			psi check
0427	1040	70.5			2.7			bump top plug
0428								60 psi of check float + holding and job

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY	
1.	160	2.75	class C + 3% D79 + .2% D46 + 1/4" D29	78.3	11.5		
2.							
3.	75	1.37	class C + 2% B28 + 2% C412 + .6% D60 + .2% D46 + 1/4" D29	18.2	14.8		
4.							
5.							
6.							

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST: YES NO Cement Circulated To Surf. YES NO Bbls.
 BREAKDOWN: PSI FINAL PSI DISPLACEMENT VOL. 70.5 Bbls TYPE OF WELL: OIL STORAGE BRINE WATER GAS INJECTION WILDCAT
 Washed Thru Perfs: YES NO TO FT. MEASURED DISPLACEMENT: WIRELINE
 PERFORATIONS: TO TO TO TO CUSTOMER REPRESENTATIVE: Russell Worley DS SUPERVISOR: James Esquivel