

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- 189-220790000

County Stevens  
SW - NE - NE Sec. 24 Twp. 32S Rge. 35 X E

Operator: License # 5208

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

Name: Mobil Oil Corporation

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

Address P.O. Box 2173

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

2319 North Kansas Avenue

Lease Name Boles #3 Unit Well # 2

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 2976 KB 2986

Phone (316) 626-1142

Total Depth 3020 PBDT 2966

Contractor: Name: Norseman Drilling Inc.

Amount of Surface Pipe Set and Cemented at 600 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  
X New Well Re-Entry Workover

If Alternate II completion, cement circulated from NA

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

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 1 87 7-18-97  
(Data must be collected from the Reserve Pit)

Operator: \_\_\_\_\_

Chloride content 8400 ppm Fluid volume 260 bbls

Well Name: \_\_\_\_\_

Dewatering method used Waste Minimization Mud System

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite:

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

7-16-96 7-20-96 9-3-96  
Spud Date Date Reached TD Completion Date

Lease Name Parker Estate #1-2 SWDW License No. 5208

SW Quarter Sec. 19 Twp. 34 S Rng. 36 E/W

County Stevens Docket No. D-23,898

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 10-16-96

Subscribed and sworn to before me this 16th day of October, 19 96.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999  
6-192.kcc

10-18-96

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 Boles #3 Unit Well # 2

Sec. 24 Twp. 32S Rge. 35W  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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" 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	Glorietta	1230	1359
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stone Corral	1689	1725
		Chase	2590	2922
		Council Grove	2922	--

List All E.Logs Run:  
 High Resolution Dual Induction Focused Log Gamma Ray  
 Z-Densilog Compensated Neutron Spectralog  
 Caliper Log Gamma Ray

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#	600	Class C Class C	200 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	3010	Class C Class C	140 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	2595-2601	Acid: 1,000 gals 7.5% HCL	
	2625-2635	Fract: 24,108 gals 20# Crosslink gel	
	2657-2672	95,640 lbs 12/20 Brady Sand	
	2706-2712		

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. 8-23-96		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	
		297				

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: \_\_\_\_\_ 2595 \_\_\_\_\_ 2712 \_\_\_\_\_

**CEMENTING SERVICE REPORT**

Schlumberger  
Dowell

TREATMENT NUMBER	128508	DATE	7-20-96
STAGE	DS	DISTRICT	03/24KS

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

WELL NAME AND NO. <i>Bales 3-2</i>	LOCATION (LEGAL) <i>Sec 24-325-35W</i>	RIG NAME: <i>Norsman #2</i>
FIELD-POOL <i>Hugoton</i>	FORMATION <i>Chase</i>	WELL DATA: BIT SIZE <i>7 7/8</i> CSG/Liner Size <i>5 1/2</i>
COUNTY/PARISH <i>STEVENS</i>	STATE <i>KS</i> API. NO.	TOTAL DEPTH <i>3020</i> WEIGHT <i>14</i>
NAME <i>Mobil Oil</i>		<input type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE <i>3010</i>
AND		MUD TYPE GRADE
ADDRESS		<input type="checkbox"/> BHST <input type="checkbox"/> BHCT THREAD <i>8R9</i>
ZIP CODE		MUD DENSITY LESS FOOTAGE SHOE JOINT(S) <i>44</i>
SPECIAL INSTRUCTIONS <i>Safely cement casing as directed by customer</i>		MUD VISC. Disp. Capacity <i>72.2</i>

**ORIGINAL**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity																								
<table border="1"> <tr> <th>Float</th> <th>TYPE</th> <th>DEPTH</th> <th>Stage Tool</th> <th>TYPE</th> <th>DEPTH</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH																		
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SQUEEZE JOB	TYPE	DEPTH																						
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TOTAL		Bbbs																						
ANNUAL VOLUME		Bbbs																						

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE <i>1,800</i> PSI	CASING WEIGHT ÷ SURFACE AREA (3.14 x R <sup>2</sup> )
PRESSURE LIMIT <i>1,000</i> PSI	BUMP PLUG TO <i>980</i> PSI	
ROTATE <input checked="" type="checkbox"/> RPM <input type="checkbox"/> RECIPROCATE <input type="checkbox"/> ET	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: 0730 DATE: 7-20-96	TIME: DATE:
0001 to 2400									
10:40								PRE-JOB SAFETY MEETING	
10:42	-	200	-	15	5.5	H2O	8.3	psi Test 1730 psi	
10:45	-	180	69	15	5.5	cemt	11.5	Start water ahead	
10:57	-	200	19	84	5.5	cemt	14.8	Start lead cement	
11:01	-	0	-	103	-	-	-	Start tail cement	
11:05	-	150	56	103	5.5	H2O	8.3	Shut down start wash to pit	
11:17	-	500	16.2	159	2.2	H2O	8.3	Applying start displacement	
11:21	-	980	-	175	-	-	-	Lower pump rate	
11:23	-	0	-	-	-	-	-	Bump plug shutdown	
11:23	-	-	-	-	-	-	-	Bleed psi float holding	
								End 27500	
								260	
								Bump plug to 980 psi	
								MOBIL PARKER	

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SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							Bbbs	DENSITY
1.	140	2.75	classet 3% 179t .2% 146t 1/4ms 129				68.5	11.5
2.	75	1.37	classet 2% 122t 2% 51t .6% 160t .2% 146t 1/4ms 129				18.3	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	980	MAX.	150	MIN:
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	<input type="checkbox"/> CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Bbbs
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	73.2	5X	Bbbs
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE		
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DATE	DS	SUPERVISOR	
			Morvin Harvey	7-21-96		Daren Skilling	

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER	DATE
AGE	DS
DISTRICT	

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

WELL NAME AND NO. 00105 3-2	LOCATION (LEGAL) SEC. 24-32S-35W	RIG NAME: DOWELL 2
FIELD-POOL Hudson	FORMATION SURF	WELL DATA:
COUNTY/PARISH STEVENS	STATE KS	API. NO.
NAME mobil oil		
ADDRESS		
ZIP CODE		
SPECIAL INSTRUCTIONS Barley cont 8 1/2 wiper customers instructions		

ORIGINAL

IS CASING/TUBING SECURED?	<input type="checkbox"/> YES <input type="checkbox"/> NO
LIFT PRESSURE	240 PSI
PRESSURE LIMIT	2000 PSI
ROTATE	RPM RECIPROCATATE FT No. of Centralizers
CASING WEIGHT ÷ SURFACE AREA	(3.14 x R <sup>2</sup> )
BUMP PLUG TO	600 PSI
Head & Plugs	<input type="checkbox"/> TBG <input type="checkbox"/> D.P.
TOOL	TYPE DEPTH
Swage	GRADE
Knockoff	THREAD
TOP	<input type="checkbox"/> R <input type="checkbox"/> W <input type="checkbox"/> NEW <input type="checkbox"/> USED
BOT	<input type="checkbox"/> R <input type="checkbox"/> W
TUBING VOLUME	Bbbs
CASING VOL. BELOW TOOL	Bbbs
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											
0335	1500		X								
0338	50		18	X	5.5	11	11				
0341	130		68	18	5.5	11	12.8				
0354	170		37	86	5.5	11	14.6				
0400	170		122								
0402			36	X	6	11	9.3				
0405	230		20	6	11	11					
0407	240		25	6	11	11					
0411	600		36	2	11	11					
0413											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED				
			BLS	DENSITY	BLS	DENSITY					
1.	200	1.89	20	7	680	20	385	1	580	44	12.8
2.											
3.	175	1.22	30	12	2.5	5	1	4	30	0	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	600	50
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	Bbbs
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
			M. Harvey		REI Pearson

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