

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

API NO. 15- 189-22041-0000 ORIGINAL

County Stevens  
- NE - NE - NW Sec. 1 Twp. 32S Rge. 36 X W E

Operator: License # 5208

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

Name: Mobil Oil Corporation

2500 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 Dudley #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 3047 KB 3056

Phone (316) 626-1142

Total Depth 2960 PBDT 2911

Contractor: Name: Norseman Drilling Inc.

Amount of Surface Pipe Set and Cemented at 664 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

If Alternate II completion, cement circulated from NA

X New Well Re-Entry Workover

feet depth to NA w/ NA sx cmt.

X Oil SWD S10W RECEIVED  
X Gas ENHR S10W STIGMAS CORPORATION COMMISSION  
Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan ALT 1 9/4 12-11-96  
(Data must be collected from the Reserve Pit)

If Workover:

JUN 24 1996

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

Chloride content 3,400 ppm Fluid volume 250 bbls

Well Name: CONSERVATION DIVISION

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

Lease Name William Rapp #1 SWDW License No. 5208

3-5-96 3-8-96 4-4-96  
Spud Date Date Reached TD Completion Date

NW Quarter Sec. 13 Twp. 31 S Rng. 36 E(W)

County Stevens Docket No. D-19,690

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 207B, 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 6-21-96

Subscribed and sworn to before me this 21st day of June, 19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998  
6-135.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  
KATHLEEN R. POULTON  
My Appt. Exp. 06-18-98

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Dudley #1 Unit Well # 3  
 Sec. 1 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)  List All E.Logs Run: Z-Densilog Compensated Neutron Gamma Ray Caliper Caliper Log Gamma Ray High Resolution Dual Induction Focused Log Gamma Ray	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Glorietta</td> <td>1299</td> <td>1475</td> </tr> <tr> <td>Stone Corral</td> <td>1765</td> <td>1828</td> </tr> <tr> <td>Chase</td> <td>2620</td> <td>--</td> </tr> <tr> <td>Council Grove</td> <td>--</td> <td>--</td> </tr> </tbody> </table>	Name	Top	Datum	Glorietta	1299	1475	Stone Corral	1765	1828	Chase	2620	--	Council Grove	--	--
Name	Top	Datum														
Glorietta	1299	1475														
Stone Corral	1765	1828														
Chase	2620	--														
Council Grove	--	--														

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#	664	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2953	Class C Class C	140 75	3% D79 2% B28

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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
1 SPF	2653-63	Acid: 1,500 gals 7.5% HCL
	2692-2707	Fract: 26,586 gals 20# Crosslink gel
	2740-50	107,180 lbs 12/20 Brady Sand
	2795-2815	

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.			Producing Method		
3-30-96			<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
		324			

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

METHOD OF COMPLETION: \_\_\_\_\_ Production Interval: 2653  
2815

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

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

TREATMENT NUMBER 05-12-8194	DATE 3-5-96
STAGE DS	DISTRICT WY 5508 X5

WELL NAME AND NO. Dudley 1-3	LOCATION (LEGAL) Sec 1-325-3600	RIG NAME: Norseman #2
FIELD-POOL	FORMATION	WELL DATA:
COUNTY/PARISH Stevens	STATE KS	API. NO.
NAME Mobil Oil Corp	AND	ADDRESS
SPECIAL INSTRUCTIONS		WELL DATA: BIT SIZE 2 1/4, CSG/Liner Size 8 1/2, TOTAL DEPTH 24, WEIGHT 24, ROT CABLE, FOOTAGE 663.63, MUD TYPE, GRADE 15555, BHST, BHCT, MUD DENSITY 42.5, LESS FOOTAGE SHOE JOINT(S), MUD VISC. 39.5, Disp. Capacity

IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 275 PSI	CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)	ROTATE RPM RECIPROCATATE FT No. of Centralizers
RECEIVED	9661 JUN 2 1996	62048	663.63
HEAD & PLUGS	TBG	D.P.	SQUEEZE JOB
DOUBLE	SIZE	TOOL	TYPE
SINGLE	WEIGHT	DEPTH	DEPTH
SWAGE	GRADE	TAIL PIPE: SIZE	DEPTH
KNOCKOFF	THREAD	TUBING VOLUME	Bbbs
TOP OR BW	NEW OR 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											
2144	1200										
2146	0		25		5.8	H2O					
2151	130		76		5.8	cmt	12.8				
2159	40		46		4	cmt	12.8				
2207-	60		33		4	cmt	14.6				
2214	90		26		4	cmt	14.6				
2216	0		395		4"	H2O					
2216	0				4"	H2O					
2221	160		20		4.7						
2222	200		25		2.5						
2223	210		30		2.5						
2226	240		38		2.5						
2227	780		40								
2228											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			Bbbs	DENSITY	Bbbs	DENSITY		
1.	225	1.89	50%	6% gal + 3% carls + 5% D44 + 1/4 #1029	75.7	12.8		
2.								
3.	150	1.22	50%	2.5% carls + 1/4 #1029	32.5	14.6		
4.								
5.								
6.								

ORIGINAL

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.
<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
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL. 39.5 Bbbs
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input type="checkbox"/>	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR
			Dorville Russe II	James Esquivel

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 05-12-8198 DATE: 5-8-96  
 STAGE: DS DISTRICT: 2115555 KC

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

WELL NAME AND NO. Audley #1-3		LOCATION (LEGAL) Sec 1-325-3600		RIG NAME: Noorseman #2	
FIELD-POOL Hugoton		FORMATION		WELL DATA:	
COUNTY/PARISH STEPHENS		STATE Kc		API. NO.	
NAME Mobil Oil Corp		ADDRESS		WELL DATA:	
AND		ZIP CODE		SPECIAL INSTRUCTIONS	
IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE 1741 PSI		CASING WEIGHT ÷ SURFACE AREA (3.14 x R <sup>2</sup> )	
PRESSURE LIMIT PSI		BUMP PLUG TO 1370 PSI		ROTATE RPM RECIPROCATATE FT No. of Centralizers	

WELL DATA:		BOTTOM		TOP	
BIT SIZE	CSG/Liner Size				
TOTAL DEPTH	WEIGHT				
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	2953.08			
MUD TYPE	GRADE	USS 55			
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	8ed			
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	4.0			TOTAL
MUD VISC.	Disp. Capacity	77			

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

Float	TYPE	4 seat Float valve	TYPE	
DEPTH		2913.08	DEPTH	
SHOE	TYPE	cmr nose	TYPE	
DEPTH		2953.08	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 type="checkbox"/> R <input type="checkbox"/> W	<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
		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	
0001 to 2400											
1430	3500										
1431	0	25	5.8	H2O							
1436	250	68.5	5.8	cmr	11.5						
1442	150	40	5.8	cmr	11.5						
1447	60	18	4	cmr	14.8						
1450	120	11	4	cmr	14.8						
1452	0										
1454	0	71	5.8	H2O							
1458	100	20	5.8	H2O							
1501	170	40	5.8								
1503	200	50	5.7								
1504	490	60	5.7								
1505	580	63	2.3								
1507	450	69	2.3								
1508	560	70	2.3								
1508	1370	71	2.3								
1509											

REMARKS: bleed psi at check float + holding on 5' job

ORIGINAL

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 + 2% D46 + 1/4 #1 D29	68.5	11.5		
2.							
3.	75	1.37	class G + 2% B28 + 2% calc + .6% D60 + 2% D46 + 1/4 #1 D29	18.2	14.8		
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 checked="" type="checkbox"/> NO		Cement Circulated To Surf.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
BREAKDOWN		PSI		FINAL		PSI		DISPLACEMENT VOL.		71 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	
						Dennis Russell				James Esquivel	