

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

API NO. 15- 129-214110000 ORIGINAL

County Morton
- SW - NE - NE Sec. 6 Twp. 33S Rge. 39 X W^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
2319 North Kansas Avenue

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

City/State/Zip Liberal, KS 67905-2173

Lease Name Morgan Unit Well # 3

Purchaser: Spot Market

Field Name Hugoton

Operator Contact Person: Sharon Cook

Producing Formation Chase

Phone (316) 626-1142

Elevation: Ground 3248 KB 3257

Contractor: Name: Murfin Drilling Co., Inc.

Total Depth 2757 PBDT 2720

License: 30606

Amount of Surface Pipe Set and Cemented at 614 Feet

Wellsite Geologist: L. J. Reimer

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set NA Feet

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

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 1 JH 5-29-96
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 3,800 ppm Fluid volume 121 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

Lease Name Mangels #1-2 SWDW License No. 5208

12-19-95 12-23-95 1-26-96
Spud Date Date Reached TD Completion Date

SE Quarter Sec. 6 Twp. 34 S Rng. 39 (E/W)

County Morton Docket No. D-19,354

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 3-1-96

Subscribed and sworn to before me this 1st day of March, 19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
6-91.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)



RECEIVED KANSAS CORP COM

Operator Name Mobil Oil Corporation Lease Name Morgan Unit Well # 3

Sec. 6 Twp. 33S Rge. 39 East West
 County Morton

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 <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Glorietta</td> <td>1261</td> <td>1362</td> </tr> <tr> <td>Stone Corral</td> <td>1644</td> <td>1678</td> </tr> <tr> <td>Chase</td> <td>2403</td> <td>2721</td> </tr> <tr> <td>Council Grove</td> <td>2721</td> <td>--</td> </tr> </tbody> </table>	Name	Top	Datum	Glorietta	1261	1362	Stone Corral	1644	1678	Chase	2403	2721	Council Grove	2721	--
Name	Top		Datum														
Glorietta	1261		1362														
Stone Corral	1644		1678														
Chase	2403		2721														
Council Grove	2721	--															
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 (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																
List All E.Logs Run:																	

Array Induction Shallow Focused Electric Log
 Compensated Neutron Compensated Photo-Density Spectral 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#	614	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2747	Class C Class C	150 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	2446-2456	2618-2628	Acid: 1,000 gals 7.5% HCL
	2493-2503		Fract: 708 bbls 20# Crosslink gel	
	2562-2572		141,380 lbs 12/20 Brady Sand	
	2584-2594			

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. 1-23-96	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		298			

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: 2446-
2628

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 1997 DATE: 12-20-95
 PAGE: DS DISTRICT: Kansas

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

WELL NAME AND NO. Morgan #3		LOCATION (LEGAL) Sec 16-33-39		RIG NAME: Mudflow #24	
FIELD-POOL		FORMATION		WELL DATA:	
COUNTY/PARISH Morton		STATE Kc		API. NO.	
NAME Mobil Oil Corp		AND		ADDRESS	
SPECIAL INSTRUCTIONS		ZIP CODE		WELL DATA: BIT SIZE 2 1/4 CSG/Liner Size 8 7/8	
				TOTAL DEPTH 74	
				MUD TYPE GRADE 1013	
				MUD DENSITY 2.8	
				MUD VISC. Disp. Capacity 76.4	

ORIGINAL

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE 250 PSI		CASING WEIGHT ÷ SURFACE AREA (3.14 x R ²)	
PRESSURE LIMIT PSI		BUMP PLUG TO 840 PSI		ROTATE RPM RECIPROCATE FT No. of Centralizers	
HEAD & PLUGS		SQUEEZE JOB		TOOL TYPE DEPTH	
<input type="checkbox"/> Double <input type="checkbox"/> Single		SIZE WEIGHT GRADE THREAD		TAIL PIPE: SIZE DEPTH	
TOP <input type="checkbox"/> OR <input type="checkbox"/> W		NEW <input type="checkbox"/> USED		TUBING VOLUME Bbbls	
BOT <input type="checkbox"/> OR <input type="checkbox"/> W		DEPTH		TOTAL Bbbls	
				ANNUAL VOLUME Bbbls	

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											
0425		0	25		3	H2O					
0430		210	76		5	cmf	12.8				
0448		170	73		5	cmf	17.8				
0448		170	33		5	cmf	14.6				
0456		170	27		4	cmf	14.6				
0458		0									
0500		0	26.4		5	H2O					
0502		140	10		5	H2O					
0504		170	20		5						
0506		190	30		7.6						
0508		160	41		7.6						
0509		840	37		7.2						

RECEIVED KANSAS CORP COMM 1995 MAR -5 A 11:27

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			1	2	3	4	BBLs	DENSITY
1.	225	1.84	20%	60%	3%	5%	75.1	12.8
2.								
3.	150	1.72	30%	2.5%	4%		32.0	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE		MAX.	
<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.	
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	
						Russell W. ...		James E. ...	

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

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

STAGE

DS

DISTRICT

WELL NAME AND NO. <i>MILK 211</i>		LOCATION (LEGAL) <i>910</i>		RIG NAME: <i>MILK 211</i>					
FIELD-POOL <i>HURDSON</i>		FORMATION <i>115</i>		WELL DATA:		BOTTOM		TOP	
COUNTY/PARISH <i>MILK 211</i>		STATE <i>MS</i>		API. NO.		BIT SIZE <i>7 7/8</i>		CSG/Liner Size <i>5 1/2</i>	
NAME <i>MILK 211</i>		AND		ADDRESS		TOTAL DEPTH <i>7</i>		WEIGHT <i>14</i>	
SPECIAL INSTRUCTIONS <i>Log on 115</i>		IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE <i>1600</i> PSI		CASING WEIGHT = SURFACE AREA (3.14 x R ²)		PRESSURE LIMIT <i>7000</i> PSI	
BUMP PLUG TO <i>970</i> PSI		ROTATE RPM		RECIPROCATE		FT		No. of Centralizers	

ORIGINAL

Float	TYPE	<i>RT-FILL</i>	Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE	<i>WELLS</i>	Stage Tool	TYPE	
	DEPTH			DEPTH	
Head & Plugs		<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double		SIZE		TOOL	TYPE
<input type="checkbox"/> Single		WEIGHT			DEPTH
<input type="checkbox"/> Swage		GRADE		TAIL PIPE: SIZE DEPTH	
<input type="checkbox"/> Knockoff		THREAD		TUBING-VOLUME Bbbs	
TOP <input type="checkbox"/> OR <input type="checkbox"/> W		<input type="checkbox"/> NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL Bbbs	
BOT <input type="checkbox"/> OR <input type="checkbox"/> W		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	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
22:19				X		1170	8.1				
22:20		120	25	X	4						
22:27		140	62	55	4	CMC	11.5				
22:42		50	19	87	4	CMC	11.8				
22:47		180		106							
22:50		180	66.5	X	6						
22:57		200		75	6						
23:00		450		86	6						
23:01		380		58	2						
23:05		500		65	2						
23:05		970		66.5	3						
23:07											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	150	575	<i>2 + 3% C-79 + 0.02% C-46 + 1/2% 12-19</i>				62	11.5
2.								
3.	75	137	<i>2 + 3% C-112% B-38 + 0.1% C-12 + 0.2% C-46 + 1/2% 12-19</i>				19	11.5
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE		MAX. 970		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	
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	