

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

API NO. 15- 189-219930000 **ORIGINAL**

County Stevens
- NW - SE - SE Sec. 33 Twp. 34S Rge. 37 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

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

2319 North Kansas Avenue

Lease Name Phifer #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 3136 KB 3145

Phone (316) 626-1142

Total Depth 3001 PBDT 2968

Contractor: Name: Murfin Drilling Co., Inc.

Amount of Surface Pipe Set and Cemented at 749 Feet

License: 30606

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.

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

Drilling Fluid Management Plan alt I 4-17-96
(Data must be collected from the Reserve Pit) Lu

If Workover:

Chloride content 9,000 ppm Fluid volume 363 bbls

Operator: _____

Dewatering method used Waste Minimization Mud System

Well Name: _____

Location of fluid disposal if hauled offsite:

Comp. Date _____ Old Total Depth _____

Operator Name Mobil Oil Corporation

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBDT
Commingled Docket No. _____
Dual Completion Docket No. _____
Other (SWD or Inj?) Docket No. _____

Lease Name C. W. Creamer #1 SWDW License No. 5208

10-5-95 10-8-95 11-11-95
Spud Date Date Reached TD Completion Date

NE Quarter Sec. 23 Twp. 34 S Rng. 37 E/W

County Stevens Docket No. D-19,411

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 1-5-96

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

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
6-18.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 Phifer #1 Unit Well # 3

Sec. 33 Twp. 34S Rge. 37 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 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			
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E.Logs Run:				
	NO LOGS RUN			

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#	749	Class C Class C	240 150	50:50 C/poz. 50:50 C/poz.
Production Casing	7.875	5.500	14#	2991	Class C Class C	300 150	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				

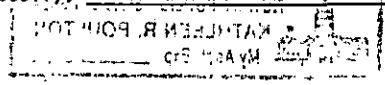
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1 SPF	2732-52	Acid: 1,000 gals 7.5% HCL	
	2840-60	Fract: 677 bbls 20# Crosslink gel	
		139,280 lbs 12/20 Brady Sand	

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 <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
10-28-95				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		254		

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: _____ 2732 _____ 2860



CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 73-12-7641	DATE 10-5-95
STAGE DS	DISTRICT UNSSCS, KS 03-12

DS-498-A PRINTED IN U.S.A.

WELL NAME AND NO. PHIFER #1-3	LOCATION (LEGAL) SEC 33-34S-37W
FIELD-POOL HUGOTON	FORMATION SURFACE
COUNTY/PARISH STEVENS	STATE KS
NAME MOBTL OIL CORP.	
ADDRESS ORIGINAL	
ZIP CODE	

RIG NAME: MURFIN #24	WELL DATA:		BOTTOM	TOP
BIT SIZE 12 1/4	CSG/Liner Size			
TOTAL DEPTH 54	WEIGHT	24		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE			
MUD TYPE	GRADE	US50		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	8RD		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	42		TOTAL
MUD VISC.	Disp. Capacity	45		

SPECIAL INSTRUCTIONS
SAFELY CEMENT 9 3/4" SURFACE
CASING WITH 240 SKS OF LEAD CEMENT
AND 150 SKS OF TAIL CEMENT AS DIRECTED
BY THE CUSTOMER

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 777 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 500 OVER PSI BUMP PLUG TO 910 PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers

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

Float	TYPE	BAFFLE PLYS	Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE	PMT NOSE	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	Bbls
TOP <input type="checkbox"/> OR <input type="checkbox"/> OW	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL	Bbls
BOT <input type="checkbox"/> OR <input type="checkbox"/> OW	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: 2200	DATE: 10-5-95	TIME: 2145	DATE: 10-5-95	TIME: 0210	DATE: 10-06-95	
0001 to 2400											
2345										PRE-JOB SAFETY MEETING	
0028	2500					H ₂ O	8.33			PRESSURE TEST LINES	
0030			25		5.8	H ₂ O	8.33			START H ₂ O SPACER	
0037		200	80		5.8	CMT	12.3			START LEAD SLURRY	
0051		180	31	105	5.2	PMT	14.6			START TAIL SLURRY	
0056				136						SHUTDOWN / DROP TAP PLUG	
0059			45		5.3	H ₂ O	8.33			START DISPLACEMENT	
0105		320		35	5.3	H ₂ O	8.33			DST CHECK	
0109		270		44	2.1	H ₂ O	8.33			DST CHECK	
0109		910		45						STOP PUMP / JUMP DOWN	
0110		450								BLK-D LINES / CLOSE MANIFOLD	

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
							BBLs	DENSITY	
1.	245	1.99	50/150 100/10	+ 6% D20	+ 3% S1	+ 5% D44 (AWDM)	+ 1/4 #16K D29	90.7	12.8
2.	150	1.22	50/150 100/10	+ 2.5% S1	+ 1/4 #16K D29			33.5	14.6
3.									
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
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	45 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		RUSS WAGSTAFF

CEMENTING SERVICE REPORT

Schlumberger
Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 03-12-7645
DATE: 10-7-95
STAGE: DS DISTRICT: WYSSCS, KS 03-12

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

WELL NAME AND NO. **Phifer #1-3**
 LOCATION (LEGAL) **SEC 33-34S-37W**
 FIELD POOL **HUGOTON**
 FORMATION **CHASE**
 COUNTY/PARISH **STEVENS**
 STATE **KS** APL. NO.
 NAME **MOBIL OIL CORP.**
 AND **ORIGINAL**
 ADDRESS
 ZIP CODE

RIG NAME: **MURFIN #24**

WELL DATA:		BOTTOM		TOP	
BIT SIZE 7 7/8	CSG/Liner Size 6 1/2				
TOTAL DEPTH 901	WEIGHT 19				
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 777.3				
MUD TYPE	GRADE USS50				
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD 8RD				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 22				TOTAL
MUD VISC.	Disp. Capacity 72.5				

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

SPECIAL INSTRUCTIONS **SAFELY CEMENT 5 1/2" PRODUCTION CASING WITH 300 SKS OF LEAD AND 150 SKS OF TAIL CEMENT AS DIRECTED BY THE CUSTOMER.**

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **1524** PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **500 OVER** PSI BUMP PLUG TO **1220** PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers

Float	TYPE INSERT FLOAT VALVE	Stige Tool	TYPE
	DEPTH 2975		DEPTH
Stige	TYPE CMT NOSE	Stige Tool	TYPE
	DEPTH 2997		DEPTH

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE WEIGHT TOOL TYPE

Single GRADE DEPTH

Swage THREAD TAIL PIPE: SIZE DEPTH

Knockoff NEW USED TUBING VOLUME Bbls

TOP OR CW NEW USED CASING VOL. BELOW TOOL Bbls

BOT OR CW DEPTH TOTAL Bbls

ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME: **2:00** DATE: **10-7-95** ARRIVE ON LOCATION TIME: **2:45** DATE: **10-7-95** LEFT LOCATION TIME: **0330** DATE: **10-8-95**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0100								PRE-JOB SAFETY MEETING
0128	25	00				H ₂ O	8.33	PRESSURE TEST LINES
0130		0	25		5.3	H ₂ O	8.33	START H ₂ O SPACER
0135		220	1526	25	5.8	CMT	11.5	START LEAD SLURRY
0203		140	38	147	3.8	CMT	14.8	START TAIL SLURRY
0412				215				SHUTDOWN/WASH LINES / DROP TOP PLUG
0415		0	72.5		5.3	H ₂ O	8.33	START Displacement
0226		730		60	3.3	H ₂ O	8.33	PSI check
0230		780			2.1	H ₂ O	8.33	PSI check
0230		1220		72.5				STOP PUMP / Plug Down
0232		0						Break Lines / check float
0233								Holding / END JOB

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	320	2.75	Class C + 3% D79 + 0.2% D46 + 1/4 #1/SK D29				147	11.5
2.	150	1.37	Class C + 2% B28 + 2% S1 + 0.6% D60 + 0.2% D46 + 1/4 #1/SK D29				36.5	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN: **SOSKS**

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surface YES NO **dry** Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **72.5** Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Russell Worley** DS SUPERVISOR **Russ Wagstaff**