

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- 189-21937-00 00  
County Stevens  
- NE - SW - SW Sec. 35 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 S/N (circle one)

2319 North Kansas Avenue

Lease Name Lynch #1 Unit Well # 4

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3116 KB 3127

Phone (316) 626-1142

Total Depth 2995 PBDT 2963

Contractor: Name: Murfin Drilling Co., Inc.

Amount of Surface Pipe Set and Cemented at 654 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.

X Oil SWD SLOW Temp. Abd.

Drilling Fluid Management Plan ALT 1 994 10-3-95  
(Data must be collected from the Reserve Pit)

X Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Chloride content 10,100 ppm Fluid volume 260 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

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

County Stevens Docket No. D-19,411

6-17-95 6-20-95 7-20-95

Spud Date Date Reached TD Completion Date

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 completion 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 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

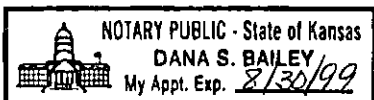
Title Regulatory Assistant Date 9-13-95

Subscribed and sworn to before me this 13th day of September, 19 95.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999  
5-169.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 Lynch #1 Unit Well # 4  
 Sec. 35 Twp. 34S Rge. 37  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 (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 WERE 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#	654	Class C Class C	225 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2985	Class C Class C	280 150	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	2664-2670	Acid: 1,000 gals 7.5% HCL	
	2732-2752	Fract: 950 bbls Crosslink Gel 127,000 lbs 12/20 sand	
	2789-2890		
	2854-2874		

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. 8-7-95	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
		383		

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

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

Production Interval: 2664-  
2874

**CEMENTING SERVICE REPORT**

Schlumberger  
Dowell

TREATMENT NUMBER: 03127206  
DATE: 6-17-95  
STAGE: DS DISTRICT: Ulysses, KS 03-12

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

**DOWELL SCHLUMBERGER INCORPORATED**

WELL NAME AND NO. Lynch #1-4		LOCATION (LEGAL) SEC 35-34S-37W		RIG NAME: MURFIN #24	
FIELD-POOL HUGOTON		FORMATION SURFACE		WELL DATA:	
COUNTY/PARISH STEVENS		STATE KS	API. NO.	BIT SIZE: 12 1/4	CSG/Liner Size: 8 5/8
NAME MOBIL OIL CORP.				TOTAL DEPTH: 656	WEIGHT: 24
AND				<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE: 653
ADDRESS				MUD TYPE	GRADE: U550
ZIP CODE				<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD: 8RD
SPECIAL INSTRUCTIONS				MUD DENSITY: 9.0	LESS FOOTAGE SHOE JOINT(S): 43
CEMENT 8 5/8 SURFACE CASING WITH 225 SKS OF LEAD + 150 SKS OF TAIL CEMENT AS DIRECTED BY THE CUSTOMER				MUD VISC: 35	Disp. Capacity: 88.8
IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO				NOTE: Include Footage From Ground Level To Head In Disp. Capacity	
LIFT PRESSURE: 268 PSI		CASING WEIGHT ÷ SURFACE AREA (3.14 x R <sup>2</sup> ): 500		TOTAL	
PRESSURE LIMIT: 500 OVER PSI		BUMP PLUG TO: 500 PSI			
ROTATE: RPM RECIPROCATATE FT No. of Centralizers					

ORIGINAL

Head & Plugs		<input type="checkbox"/> TBG <input type="checkbox"/> D.P.		SQUEEZE JOB	
<input type="checkbox"/> Double		SIZE		TOOL TYPE	
<input 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 Bbbs	
TOP <input type="checkbox"/> R <input type="checkbox"/> W		<input type="checkbox"/> NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL Bbbs	
BOT <input type="checkbox"/> R <input type="checkbox"/> W		DEPTH		TOTAL Bbbs	
				ANNUAL VOLUME Bbbs	

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME: 1830 DATE: 6-17-95	ARRIVE ON LOCATION TIME: 1830 DATE: 6-17-95	LEFT LOCATION TIME: 2330 DATE: 6-17-95
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1930								PRE-JOB SAFETY MEETING
2153	2500					H2O 8.34		PRESSURE TEST LINES
2155		Ø	25		5.0	H2O 8.34		START H2O AHEAD
2200		200	74	25	5.8	CMT 12.8		START LEAD SLURRY
2213		240	32	99	5.8	CMT 14.6		START TAIL SLURRY
2219				131				SHUTDOWN/ DROP TOP PLUG
2221		Ø	39			H2O 8.34		START DISPLACEMENT
2227		380		30	5.7	H2O 8.34		PSI CHECK
2233		300		38	2.1	H2O 8.34		PSI CHECK
2231		280		39				STOP PUMP / PLUG DOWN / SHUT MANIF.

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			Bbbs	DENSITY	Bbbs	DENSITY		
1.	225	1.39	50/50 102/C + 6% D20 + 3% S1 + 5% D44 (8WOW) + 1/4 #/sk D29	75.7	12.8			
2.	150	1.22	50/50 102/C + 2.5% S1 + 1/4 #/sk D29	32.5	14.6			
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE		MAX. MIN: 65 SKS	
<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 16 Bbbs	
BREAKDOWN PSI FINAL		PSI		DISPLACEMENT VOL. 39 Bbbs		TYPE OF WELL		<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER	
Washed Thru Perfs <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		TO FT.		MEASURED DISPLACEMENT <input checked="" type="checkbox"/>		<input type="checkbox"/> WIRELINE		<input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT	
PERFORATIONS		TO TO		CUSTOMER REPRESENTATIVE		DS SUPERVISOR			
				MR. Russell Worley		RUSS WAGSTAFF			

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER: 05-12-7210 DATE: 6-20-95  
 STAGE: DS DISTRICT: Ulysses, Ks

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

WELL NAME AND NO. <i>Lynch #1-4</i>		LOCATION (LEGAL) <i>Sec. 35-345-376</i>		RIG NAME: <i>MURFIN #24</i>	
FIELD-POOL <i>Huyotok</i>		FORMATION <i>Chase</i>		WELL DATA:	
COUNTY/PARISH <i>Stevens</i>		STATE <i>Ks</i>		API. NO.	
NAME <i>Mobil Oil Coop.</i>		MUD TYPE <i>15550</i>		GRADE <i>8ed</i>	
AND		MUD DENSITY <i>2.2</i>		LESS FOOTAGE SHOE JOINT(S)	
ADDRESS		MUD VISC. <i>52.7</i>		Disp. Capacity	
SPECIAL INSTRUCTIONS		NOTE: Include Footage From Ground Level To Head In Disp. Capacity		TOTAL	

**ORIGINAL**

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE <i>1760</i> PSI		CASING WEIGHT ÷ SURFACE AREA (3.14 × R <sup>2</sup> )	
PRESSURE LIMIT <i>1480</i> PSI		BUMP PLUG TO <i>1480</i> PSI		ROTATE RPM RECIPROCATATE FT No. of Centralizers	
Head & Plugs		SQUEEZE JOB		TOOL TYPE DEPTH	
<input type="checkbox"/> Double <input type="checkbox"/> Single		<input type="checkbox"/> TBG <input type="checkbox"/> D.P.		SIZE WEIGHT GRADE	
<input type="checkbox"/> Swage <input type="checkbox"/> Knockoff		<input type="checkbox"/> TBG <input type="checkbox"/> D.P.		TAIL PIPE: SIZE DEPTH	
TOP <input type="checkbox"/> OR <input type="checkbox"/> W		<input type="checkbox"/> NEW <input type="checkbox"/> USED		TUBING VOLUME Bbls	
BOT <input type="checkbox"/> OR <input type="checkbox"/> W		DEPTH		CASING VOL. BELOW TOOL Bbls	
				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	TIME	DATE	
0001 to 2400													
1005	2800				5:30	6-20-95	5:30	6-20-95	12:30	6-20-95			
1006	0	25			5.7	H70							
1011	420	137			5.7	cmt	11.5						
1022	250	68			5.7	cmt	11.5						
1035	330	36.5			5.7	cmt	14.8						
1038	340	26			5.7	cmt	14.8						
1040	0												
1043	0	12.2			6.0	H70							
1047	160	20			6.0	H70							
1050	340	40			5.6								
1052	600	50			5.4								
1054	800	60			1.8								
1055	740	63			1.6								
1058	810	69			1.6								
1100	1480	72.2											
1101													

REMARKS: PRE-JOB SAFETY MEETING, START H70 ahead, start lead cmt, PSI check, start tail cmt, PSI check, shutdown wash pump lines deep top plug, start displacement, PSI check, lower rate, PSI check, bump top plug, bleed psi of check float & holding, END JOB

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	280	2.75	class C + 3% D79 + .2% D46 + 1/4" D29				137.1	11.5
2.								
3.	150	1.37	class C + 2% B28 + 2% opcl2 + .6% D60 + .2% D46				36.5	14.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE		MAX. 355 MIN: 17	
<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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO Bbls	
BREAKDOWN PSI FINAL		PSI		DISPLACEMENT VOL. 72.2		Bbls		TYPE OF WELL	
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO		TO FT.		MEASURED DISPLACEMENT <input type="checkbox"/>		<input type="checkbox"/> WIRELINE		<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER <input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT	
PERFORATIONS		CUSTOMER REPRESENTATIVE		DS SUPERVISOR					
TO TO		TO TO		Jeff Lasiter		James Esquivel			