

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- 189-21935-00-00

County Stevens
- NE - SW - SW Sec. 27 Twp. 34S Rge. 36 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 Morford #2 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 3044 KB 3053

Phone (316) 626-1142

Total Depth 2953 PBTD 2895

Contractor: Name: Murfin Drilling Co., Inc.

Amount of Surface Pipe Set and Cemented at 709 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 SIOW Temp. Abd.

X Gas ENHR SIGW

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

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STATE CORPORATION COMMISSION

Drilling Fluid Management Plan ALT 1 JH 9-8-95
(Data must be collected from the Reserve Pit)

If Workover:

AUG 17 1995

Operator: _____

Chloride content 17,000 ppm Fluid volume 330 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 PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

Operator Name Mobil Oil Corporation

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

6-2-95 6-5-95 7-7-95

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 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 8-15-95

Subscribed and sworn to before me this 15th day of August, 19 95.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
5-153.kcc

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> NGPA
<input type="checkbox"/> Other (Specify)		



ORIGINAL

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Morford #2 Unit Well # 2

Sec. 27 Twp. 34S 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 (Attach Additional Sheets.)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run (Submit Copy.)
List All E.Logs Run:
Array Induction Shallow Focused Electric Log
Compensated Neutron Compensated Photo-Density Spectral Gamma Ray

Table with columns: Log Formation (Top), Depth and Datums, Sample. Rows include Glorietta, Stone Corral, Chase, Council Grove.

CASING RECORD table with columns: 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.

ADDITIONAL CEMENTING/SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type and Acid, Fracture, Shot, Cement Squeeze Record table.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run, Date of First, Resumed Production, SWD or Inj., Producing Method, Estimated Production Per 24 Hours.

Disposition of Gas: Vented, Sold, Used on Lease, Open Hole, Perf., Dually Comp., Commingled, Other (Specify). Production Interval: 2680, 2854.

Well Data - Well History Report

Lease: MORFORD #2 UNIT WELL #2 Well #: 2 Well ID: 0065593
 API #: 15-189-21935-00 State: KS County: STEVENS
 Ppty ID: 2076600 OCSG #:

Spud Date: 06/02/1995 Ground Level Elev.: 3044 KB Height: 10
 Spud Time: 15:30 Original Ref Point: KB BH Height: 11
 DF Height:

ORIGINAL

Drilling Job Start/End: 06/02/95 @ 15:30 to 06/05/95 @ 20:15
 Completion Job Start/End: 06/10/95 @ 09:00 to 07/07/95 @ 17:00

DATE	ACTIVITY
06/03/95	CASING OD: 8.625, 24.00# J55, Top/Bot: 0/709
06/05/95	CASING OD: 5.500, 14.00# K55, Top/Bot: 0/2943
06/11/95	PERFORATIONS: 2680-2688 1.3 JSPF; 2720-2740 1.3 JSPF 2775-2795 S 1.3 JSPF; 2844-2854 VEC4.0P JSPF 2720-2740 1.3 JSPF STATE CORPORATION COMMISSION

AUG 17 1995

WELLBORE SUMMARY

CONSERVATION DIVISION
WINDITA 21444/5

API	Creation	Plug Back Depths				
WB#	Date	Top	TD	Diam(@TD)	Date	PBTD
00	06/02/95	0	2953		06/05/95	2953
00	06/02/95	0	2953		07/07/95	2895

CASING SUMMARY

Date	String	OD	ID	Grade	Wt/FT	Connection	Top/Bot
06/03/95		8.625	8.097	J55	24.00	STC	0/709
06/05/95		5.500	5.012	K55	14.00	STC	0/2943

PERFORATION SUMMARY

Perf	Top	Btm	Zone Name	SPF	Phase	Hole	J/B	Sqzd
Date	Perf	Perf			(deg)	Size		
06/11/95	2680	2688	UPPER KRIDER	1.3	0	0.30	J	
06/11/95	2720	2740	LOWER KRIDER	1.3	0	0.30	J	
06/11/95	2775	2795	WINFIELD	1.3	0	0.30	J	
06/11/95	2844	2854	TOWANDA	4.0	120	0.33	J	

PERFORATION TIME CODE ACTIVITY

MSD999

*** PRISM ***

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Well Data - Well History Report

ORIGINAL

DATE	HOURS	CODE	ACTIVITY
1995-06-10	2.00	636	PERFORATE W/ 4' CSG GUNS. TOWANDA: 2844' -54' (4SPF, 120 DEG), WINFIELD: 2775'-95' (1.33 SPF, 0 DEG), L. KRIDER: 2720'-40' (1.33 SPF, 0 DEG), U. KRIDER: 2680'-88' (1.33 SPF, 0 DEG). RDMO ATLAS WIRELINE, S WI.

WELL TREATMENT TIME CODE ACTIVITY

DATE	HOURS	CODE	ACTIVITY
1995-06-15	2.50	657	MIRU DOWELL, TEST LINES TO 3500'. ACIDIZE W/1500 GALS 7.5 % HCL & 1000 GALS FW, S TATING W/ ACID IN 500 GAL STAGES. DROPPED APPROX 65 BALL OUT OF 225. LITTLE BALL ACTION, NO BALL OUT. FOUND THAT BALLS DID NOT GO.
1995-06-15	.50	655	FRAC U. KRIDER & WINFIELD DOWN CSG W/298 BBLS X-LINKED 15# GEL& 64430# 12/20 SAND. AIR 45 BPM. RAMPED SD F/1-7 ppg. SCREENED OUT W/53 BBLS FLUSH. ISIP 428, 5MIN VACUUM.

Report Generated on: 08/10/95 @ 16:01

End of Report...

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE 6-3-95

STAGE

DS

DISTRICT

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

WELL NAME AND NO. <i>MORFORD 2-2</i>		LOCATION (LEGAL) <i>SEC. 27-34S-36W</i>		RIG NAME: <i>MURFIN 24</i>	
FIELD-POOL <i>HUGOTON</i>		FORMATION <i>SURF.</i>		WELL DATA:	
COUNTY/PARISH <i>Stevens</i>		STATE <i>KS</i>		API. NO.	
NAME <i>MOBIL OIL CORP.</i>		MUD TYPE		GRADE <i>4550</i>	
AND		MUD DENSITY		LESS FOOTAGE SHOE JOINT(S) <i>668</i>	
ADDRESS		MUD VISC.		Disp. Capacity <i>42.5</i>	
ZIP CODE		NOTE: Include Footage From Ground Level To Head In Disp. Capacity		TOTAL	

ORIGINAL

SPECIAL INSTRUCTIONS <i>Dagley cmt, 858 as per customers orders as follows</i>		SHOE Float		SHOE Stage Tool	
		TYPE <i>BAF. Plug</i>		TYPE	
		DEPTH <i>668</i>		DEPTH	
		TYPE <i>7x5.947</i>		TYPE	
		DEPTH <i>709</i>		DEPTH	

IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO		HEAD & PLUGS		SQUEEZE JOB	
LIFT PRESSURE PSI <i>300</i>		<input type="checkbox"/> Double		TOOL TYPE	
PRESSURE LIMIT PSI <i>690</i>		<input type="checkbox"/> Single		DEPTH	
ROTATE RPM		<input type="checkbox"/> Swage		TAIL PIPE: SIZE DEPTH	
RECIPROCATATE FT		<input type="checkbox"/> Knockoff		TUBING VOLUME Bbls	
No. of Centralizers		<input type="checkbox"/> Thread		CASING VOL. BELOW TOOL Bbls	
		<input type="checkbox"/> New <input type="checkbox"/> Used		TOTAL Bbls	
		<input type="checkbox"/> Bot <input type="checkbox"/> W		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											
02:59		2700					H2O	8.3			PRE-JOB SAFETY MEETING
03:01		150	25		5:8		H2O	8.3			PSI TEST LINES
03:06		150	76	25	5:8		CMT	12.8			START H2O
03:20		210	33	104	5:8		CMT	14.6			START LD CMT
03:26				135							START 7L CMT
03:28		150	425		5:7		H2O	8.3			SHOT DOWN W/ DROP PLUG
03:33		300		53	5:7		H2O	8.3			START DISP.
03:34		240		35	2		H2O	8.3			CMT TO SURFACE
03:39		690		42.5	2		H2O	8.3			LOWER RATE
											BUMP PLUG

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STATE CORPORATION COMMISSION
AUG 17 1995
CONSERVATION DIVISION
MICHIA KAMRAB

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1.	225	1.89	50 #2	50 #2 + 6% D-20 + 3% S-1 + 5% D-44 (BLOW) + 1/2 #3K D-29	79	12.8		
2.								
3.	150	1.22	50 #2	50 #2 + 2.5% S-1 + 1/2 #3K D-29	31	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		Cement Circulated To Surf.		<input type="checkbox"/> YES <input type="checkbox"/> NO <i>13</i>	
BREAKDOWN		PSI		FINAL		PSI		DISPLACEMENT VOL.		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	
						<i>Volan Young BLOOD</i>				<i>Ref Pearson</i>	

395K5

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

STAGE

DS

DISTRICT

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

WELL NAME AND NO.

LOCATION (LEGAL)

RIG NAME:

FIELD-POOL

FORMATION

WELL DATA:

BOTTOM

TOP

COUNTY/PARISH

STATE

API. NO.

BIT SIZE

CSG/Liner Size

TOTAL DEPTH

WEIGHT

ROT CABLE

FOOTAGE

MUD TYPE

GRADE

BHST

BHCT

THREAD

MUD DENSITY

LESS FOOTAGE SHOE JOINT(S)

TOTAL

MUD VISC.

Disp. Capacity

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

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

ORIGINAL

Head & Plugs

TBG

D.P.

SQUEEZE JOB

Double

SIZE

TOOL

TYPE

Single

WEIGHT

DEPTH

Swage

GRADE

TAIL PIPE: SIZE

DEPTH

Knockoff

THREAD

TUBING VOLUME

Bbls

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE

1730

PSI

CASING WEIGHT ÷ SURFACE AREA

(3.14 × R²)

TOP R W

NEW USED

CASING VOL. BELOW TOOL

Bbls

PRESSURE LIMIT

PSI

BUMP PLUG TO

1350

PSI

BOT R W

DEPTH

TOTAL

Bbls

ROTATE

RPM

RECIPROCATATE

FT

No. of Centralizers

ANNUAL VOLUME

Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: 1230 DATE: 6-5-95			ARRIVE ON LOCATION TIME: 1230 DATE: 6-5-95		LEFT LOCATION TIME: DATE: 6-5-95	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
1612	3000							PRE-JOB SAFETY MEETING PSI TEST			
1614	0	25			6	H2O		start H2O ahead			
1620	220	127			6	cmt	11.5	start pad cmt			
1629	190	101			5.8	cmt	11.5	PSI check			
1640	100	36			3	cmt	14.8	start tail cmt.			
1645	150	17			3	cmt	14.8	PSI check			
1650	0							shut down wash pump lines drop top plug			
1654	0	70'			5.8	H2O		start displacement			
1657	190	20			5.8	H2O		PSI check			
1701	330	40			5.8			"			
1703	410	55			5.8			cmt. to pit			
1705	840	70			2			lower rate			
1708	830	70			2			PSI check			
1709	1350	71						Lump top plug			
1710								bleed psi off check float + holding			
								END JOB			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	260	2.75	class C + 3% D79 + .2% D46 + 1/4% D29				127.3	11.5
2.								
3.	150	1.37	class C + 2% B28 + 2% calc2 + .6% D60 + .2% D46				36.5	14.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX.	
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		<input type="checkbox"/> YES <input type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
BREAKDOWN		PSI	FINAL	PSI	DISPLACEMENT VOL.	70' Bbls	
Washed Thru Perfs		<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	
PERFORMANCES		CUSTOMER REPRESENTATIVE				DS	SUPERVISOR
TO	TO	James H. Worley				James Esquivel	