5

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173

2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905-2173

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: L. J. Reimer

Designate Type of Completion
_X_ New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
_X_ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator:

Well Name:

Comp. Date ____ Old Total Depth ____

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

10-2-95 Spud Date
10-5-95 Date Reached TD
11-13-95 Completion Date

API NO. 15- 055-214370000

County Finney

____ - SE - NE - NW Sec. 35 Twp. 24S Rge. 34 E X W

1250 Feet from S/N (circle one) Line of Section

2650 Feet from E/W (circle one) Line of Section

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

Lease Name Brown #7 Unit Well # 9

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2945 KB 2956

Total Depth 2808 PBTD 2755

Amount of Surface Pipe Set and Cemented at 494 Feet

Multiple Stage Cementing Collar Used? ____ Yes _X_ No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from 2798

feet depth to Surface w/ 425 sx cmt.

Drilling Fluid Management Plan ALT II 4-17-96 KU
(Data must be collected from the Reserve Pit)

Chloride content 7,600 ppm Fluid volume 0 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name ____ License No. 5208

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County ____ Docket No. ____

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

6-17.kcc

NOTARY PUBLIC - State of Kansas
KATHLEEN R. POULTON
My Appt. Exp. 08-18-98

RECEIVED
STATE CORPORATION COMMISSION
JAN 08 1996
1-9-96
CONSERVATION DIVISION
WICHITA, KANSAS

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)

Form ACO-1 (7-91)

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Brown #7 Unit Well # 9

Sec. 35 Twp. 24S Rge. 34 ☐ East ☒ West County Finney

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.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run:
Array Induction Shallow Focused Electric Log
Compensated Neutron Compensated Photo-Density Spectral Gamma Ray

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Glorietta	1464	1599
Stone Corral	1900	1970
Chase	2508	--
Council Grove	--	--

CASING RECORD ☒ New ☐ 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#	494	Class C	200	50:50 C/poz
					Class C	175	50:50 C/poz
Production Casing	7.875	5.500	14#	2798	Class C	275	3% D79
					Class C	150	2% B28

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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	2534-49	Acid: 1,000 gals 7.5% HCL	
	2600-10	Fracd: 25,914 gals 20# Crosslink Gel	
	2650-70	150,360 lbs 12/20 Brady Sand	

TUBING RECORD Size Set At Packer At

Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. 11-10-95

Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		181			

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 2534 - 2670

15-055-21437-0000

CEMENTING SERVICE REPORT

Schlumberger
Dowell
DOWELL SCHLUMBERGER INCORPORATED

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

TREATMENT NUMBER 3-12-1624 | DATE 10-2-95
PAGE | DS | DISTRICT Liberal, Ks

WELL NAME AND NO. Brown #7-9 | LOCATION (LEGAL) Sec. 35-24s-34w
FIELD-POOL | FORMATION
COUNTY/PARISH Finney | STATE Ks | API. NO.

NAME Mobil Oil Corp.
AND
ADDRESS
ZIP CODE

SPECIAL INSTRUCTIONS ORIGINAL

RIG NAME: Murfin #22

WELL DATA:		BOTTOM			TOP
BIT SIZE 12¼	CSG/Liner Size 8⅝				
TOTAL DEPTH 504	WEIGHT 24				
☒ ROT ☐ CABLE	FOOTAGE 447				
MUD TYPE	GRADE USED				
☐ BHST ☐ BHCT	THREAD 8rd				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 40				TOTAL
MUD VISC.	Disp. Capacity 29'				

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

Float	TYPE Baffle Plate		Stage Tool	TYPE	
	DEPTH 457			DEPTH	
SHOE	TYPE cmt. Nose			TYPE	
	DEPTH 447			DEPTH	

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
TOP ☐R ☐W	☐ NEW ☐ USED	CASING VOL. BELOW TOOL	Bbls
BOT ☐R ☐W	DEPTH	TOTAL	Bbls
		ANNUAL VOLUME	Bbls

IS CASING/TUBING SECURED? ☒ YES ☐ NO
LIFT PRESSURE 204 PSI | CASING WEIGHT ÷ SURFACE AREA (3.14 × R²)
PRESSURE LIMIT PSI | BUMP PLUG TO 640 PSI
ROTATE RPM | RECIPROCATE FT | No. of Centralizers

JOB SCHEDULED FOR TIME: 1900 DATE: 10-2-95
ARRIVE ON LOCATION TIME: 1900 DATE: 10-2-95
LEFT LOCATION TIME: 2130 DATE: 10-2-95

TIME (0001 to 2400)	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1956		1200						PRE-JOB SAFETY MEETING & PSI Test
1957		0	25		5.8	H2O		start H2O ahead
2002		100	67		5.8	cmt.	12.8	start lead cmt.
2007		150		34	5.8	cmt	12.8	PSI check
2014		100	38		4	cmt	14.6	start tail cmt.
2019		200		21	5.8	cmt	14.6	PSI check
2022		0						shut down drop top plug
2023		0	29'		4	H2O		start displacement
2026		140		10	5.3	H2O		PSI check
2028		100		20	2			lower rate
2032		190		28	2			PSI check
2033		640		29	2			bump top plug
2034								shut in cmt. manifold
								bleed psi off
								on 8:05

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JAN 0 - 1996
CONSERVATION DIVISION

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	200	1.89	50/50 poz + 6% gel + 3% calc + 5% D44 + ¼#/D29	67	12.8
2.					
3.	175	1.22	50/50 poz + 2.5% calc + ¼#/D29	38	14.6
4.					
5.					
6.					

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE MAX. 840 MIN. 550
☐ HESITATION SQ. ☐ RUNNING SQ.	CIRCULATION LOST ☐ YES ☒ NO		Cement Circulated To Surf. ☒ YES ☐ NO 29 Bbls.
BREAKDOWN PSI FINAL PSI	DISPLACEMENT VOL. 29' Bbls		TYPE OF WELL ☐ OIL ☐ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT
Washed Thru Perfs ☐ YES ☐ NO TO FT.	MEASURED DISPLACEMENT ☐ ☐ WIRELINE		

PERFORATIONS TO TO TO TO	CUSTOMER REPRESENTATIVE Marvin Harvey	DS SUPERVISOR James Esquivel

15-055-21437-0000

CEMENTING SERVICE REPORT

Schlumberger
Dowell

DOWELL SCHLUMBERGER INCORPORATED

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

TREATMENT NUMBER	DATE
03-12-1638	10-4-95

STAGE	DS	DISTRICT
		Ulysses, Ks.

WELL NAME AND NO.	LOCATION (LEGAL)
Brown #7-9	Sec 35-24s-34w
FIELD-POOL	FORMATION
Hugoton	
COUNTY/PARISH	STATE / API. NO.
Finney	Ks.

NAME Mobil Oil Corp

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

ORIGINAL

RIG NAME: MurFin #22

WELL DATA:		BOTTOM				TOP
BIT SIZE 7 7/8	CSG/Liner Size	5 1/2				
TOTAL DEPTH 2808	WEIGHT	14				
☒ ROT ☐ CABLE	FOOTAGE	2808				
MUD TYPE	GRADE	LSS55				
☐ BHST ☐ BHCT	THREAD	8rd				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	43				TOTAL
MUD VISC.	Disp. Capacity	67.2				

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

Float	TYPE	Insert Float valve	Stage Tool	TYPE	
	DEPTH	2755		DEPTH	
SHOE	TYPE	cmt Nose		TYPE	
	DEPTH	2798		DEPTH	

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
TOP ☒R ☐W	☐ NEW ☐ USED	CASING VOL. BELOW TOOL Bbls
BOT ☐R ☐W	DEPTH	TOTAL Bbls
		ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? ☒ YES ☐ NO

LIFT PRESSURE 1650 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 × R²)

PRESSURE LIMIT PSI BUMP PLUG TO 1290 PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

JOB SCHEDULED FOR TIME 2230 DATE 10-4-95

ARRIVE ON LOCATION TIME 2230 DATE 10-4-95

LEFT LOCATION TIME 0300 DATE 10-5-95

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0051		2900						PRE-JOB SAFETY MEETING / PSI Test
0053		0	25		5.8	H20		start H20 ahead
0058		180	135		5.8	cmt	11.5	start lead cmt.
0112		90		85	5.8	cmt	11.5	psi check
0121		90	36.5		5.8	cmt	14.8	start tail cmt.
0126		50		25	4	cmt.	14.8	psi check
0129		0						shut down wash pumplines drop top plug
0132		0	67.2		6	H20		start displacement
0136		80		20	6	H20		psi check
0138		140		35	6			~~cmt. to surface~~
0139		290		40	6			psi check
0141		440		50	5.7			psi check
0143		700		60	2			lower rate
0144		630		64	2			psi check
0146		290		67	2			bump top plug
0147								bleed psi of check Float holding PHD job

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	~~275~~	2.75	class C + 3% D79 + .2% D46 + ¼#/D29	135	11.5
2.					
3.	~~150~~	1.37	class C + 2% B28 + 2% cmt/2 + .6% D60 + .2% D46	36.5	14.8
4.					
5.					
6.					

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE MAX. 650 MIN.
☐ HESITATION SQ. ☐ RUNNING SQ.	CIRCULATION LOST	☐ YES ☒ NO	~~Cement Circulated To Surf.~~ ☒ YES ☐ NO 32 Bbls.
BREAKDOWN PSI FINAL PSI	DISPLACEMENT VOL.	67.2 Bbls	TYPE OF WELL ☐ OIL ☐ STORAGE ☐ BRINE WATER ☒ GAS ☐ INJECTION ☐ WILDCAT
Washed Thru Perfs ☐ YES ☐ NO TO FT.	MEASURED DISPLACEMENT ☐	☐ WIRELINE	

PERFORATIONS	CUSTOMER REPRESENTATIVE	DS SUPERVISOR
TO TO	Marvin Harvey	James Esquivel
TO TO		