

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

ORIGINAL

API NO. 15- 189-21,519-0000 JAN 2 7
County Stevens
NW - NE Sec. 13 Twp. 31S Rge. 35 X V

CONFIDENTIAL

Operator: License # 5208

Name: Mobil Oil Corporation

Address 2319 North Kansas

City/State/Zip Liberal, KS 67901

Purchaser: Permian

Operator Contact Person: Rae Kelly

Phone (316) 626-1160

Contractor: Name: Unit Drilling & Exploration Co.

License: 9137

Wellsite Geologist: H. Y. Wong

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover/Re-Entry: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

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

11/16/91 11/23/91 12/12/91
Spud Date Date Reached TD Completion Date

810 Feet from SW (circle one) Line of Section
1980 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 Ruella Potts Well # 2

Field Name Lahey-Morrow

Producing Formation Morrow

Elevation: Ground 2930.41 KB 2946

Total Depth 5785 PBTD 5727

Length of Surface Pipe Set and Cemented at 1762 Feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, show depth set NA 3173 Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cat.

Drilling Fluid Management Plan A/I
(Data must be collected from the Reserve Pit)

Chloride content 2300 ppm Fluid volume NA bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/V

County Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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). 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 R. Kelly

Title ENGINEERING TECHNICIAN Date 1/28/92

Subscribed and sworn to before me this 28th day of January 1992.

Notary Public Sharon A. Cook

Date Commission Expires 10-1-94



WICHITA, KS. OFFICE USE ONLY
KANSAS CORPORATION COMMISSION
JAN 29 1992
Letter of Confidentiality Attached
Wireline Log Received
Geologist Report Received
Distribution
KCC SUD/Rep NGPA
KGS Plug Other (Specify)

Operator Name Mobil Oil Corporation Lease Name Ruella Potts Well # 2

Sec. 13 Twp. 31S Rge. 35 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.) Yes No Log Formation (Top), Depth and Datum Sample Name Top Datum

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run (Submit Copy.) Yes No

SEE ATTACHED EXHIBIT I

List All E. Logs Run:
 Dual Induction - SFL
 Compensated Neutron - Litho - Density
 Microlog
 Borehole Compensated Sonic Log

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 Csg.	12.250	8.625	24#	1762	CL C Lite	495 320	65:35:6+3%CC +3%CC
Production Csg.	7.875	5.5	15.5#	5771	Stg. 1 Poz-H	620	50:50+2%Ge1
					Stg. 2 Poz-H	560	50:50+2%Ge1 2%CL

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
4 SPF	5324-5340'		

TUBING RECORD Size 2 7/8" Set At 5340' Packer At 5300' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 12/15/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	322	750	0	2.33	

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 5324-5340'

ORIGINAL

KCC

JAN 27 1992

CONFIDENTIAL

EXHIBIT I

FORMATION TOPS
RUELLA POTTS #2
NW NE SECTION 13-31S-35W
STEVENS COUNTY, KANSAS

<u>FORMATION</u>	<u>TOP</u>
B/Stone Corral	1774
Chase Group/Herington	2549
Council Grove	2857
Admire	3075
Wabaunsee	3229
Lansing	4130
Kansas City	4450
Marmaton	4774
Cherokee	4964
Atoka	5210
Morrow	5284
Chester	5468
St. Genevieve	5576
St. Louis	5652

RELEASED

FEB 24 1993

FROM CONFIDENTIAL

RECEIVED

KANSAS CORPORATION COMMISSION

JAN 29 1992

CONSERVATION DIVISION
WICHITA, KS

CEMENTING SERVICE REPORT



TREATMENT NUMBER: 030-4157
 DATE: 11/23/91
 STAGE: DS
 DISTRICT: KCC

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO.: **Ruella Potts #2**
 LOCATION (LEGAL): **Sec. 13-315-35W**
 FIELD-POOL: **Hugolon**
 COUNTY/PARISH: **Stevens**
 STATE: **Kansas**
 API. NO.:

RIG NAME: **Unit #19**
 WELL DATA: **Unit #19**
 BIT SIZE: **7 1/8** CSG/Liner Size: **5 1/2**
 TOTAL DEPTH: **15.5** WEIGHT: **15.5**
 ROT CABLE FOOTAGE: **5771**
 MUD TYPE: **800** GRADE: **800**
 MUD DENSITY: **43** LESS FOOTAGE SHOES JOINT(S): **43**
 MUD VISC: **5728** Disp. Capacity: **136.3 / 75.1**

JAN 27
CONFIDENTIAL

NAME: **Mobil**
 AND:
 ADDRESS:
 ZIP CODE: **24 1093**

RELEASED

SPECIAL INSTRUCTIONS:
Provide materials + services for soft cement slurry string

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double WEIGHT GRADE THREAD
 Swage KNOCKOFF NEW USED
 BOT QW DEPTH: **5771**

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: **3825** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: **1000** PSI BUMP PLUG TO: **1100** PSI

TOOL TYPE: **Auto fill collar**
 DEPTH: **5728**
 TYPE: **Oil stage**
 DEPTH: **3173**

ROTATE: **15-20** RPM RECIPROCATE: **15-20** FT. No. of Centralizers: **20**

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: 1300 DATE: 11/23/91	TIME: 2230 DATE: 11/23/91
0001 to 2400									
17:55	8000	NA	1	-	1	160	8.33		
17:57	NA	800	5	4	5.9	160	8.33		
17:58		240	139	-	5.9	cmf	14.2		
18:22		0	0	-	0	-	-		
18:24	NA	90	136	-	6.1	160	8.33		
18:51		800	196	-	2.1	160	mud		
18:53		11010	133	-	1.9	mud	-		
18:54		0	0	-	0	mud	-		
19:15		670	0.9	-	0.9	160	8.33		
20:39	NA	70	5	-	5.9	160	8.33		
21:00		230	125	-	5.9	cmf	14.2		
21:21		0	0	-	0	-	-		
21:26		150	95	-	6.1	160	8.33		
21:38	NA	490	65	-	9.0	160	8.33		
21:41		1260	725	-	1.7	160	8.33		
21:43		0	0	-	0	-	-		
21:45									

REMARKS: **Bumped Both plugs early**

SERVICE LOG DETAIL:
 PRE-JOB SAFETY MEETING 751 Test Line
 11:00 Ahead
 Start cmf slurry
 Shut down wash line, dropping
 Start Disp.
 Lower pumps Rt.
 Bump plug
 Release psi - schedule stage 1
 Set O/T tool
 11:00 Ahead
 Start cmf slurry
 Shut down wash line, dropping
 Start Displacement
 Lower pumps Rt.
 Bump plug
 Release psi
 Schedule

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			1.	2.	3.	4.	BBLs	DENSITY
1.	1600	1.26	50/50 702/H + 2% Gell				137.1	14.2
2.	560	1.26	50/50 702/H + 2% Gell + 2% Cell 2				125.0	14.2
3.								
4.								
5.								
6.								

RECEIVED
 KANSAS CORPORATION COMMISSION
 JAN 29 1992
 CONSERVATION DIVISION
 WICHITA, KS

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST
 DENSITY: YES NO
 PRESSURE: YES NO
 MAX. 1610 MIN: 0
 Cement Circulated To Surf. YES NO
 BBLs: **136.3**
 TYPE OF WELL: OIL GAS STORAGE INJECTION BRINE WATER WILDCAT
 PERFORATIONS: TO TO TO TO
 CUSTOMER REPRESENTATIVE: **Mellannie Hill**
 SUPERVISOR: **Greg Black**



THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

KCC

JAN 27

CONFIDENTIAL

CUSTOMER Mobil Oil		DATE 11-11-91	FR # 110217	SER. SUP. B.G. Rabe	TYPE JOB Surface Csg.												
LEASE & WELL NAME-CCSG Peters 1011			LOCATION Sec 15 - 31 S - 35 W		COUNTY-PARISH-BLOCK Sewards, Kan 625												
DISTRICT Perry Co		DRILLING CONTRACTOR RIG # Unit 204 419		OPERATOR Mobil Oil													
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS	LIST-CSG-HARDWARE		SQ MANI FOLD X N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES											
	BTM	Types Pathen Grade shoe Auto-Fill Insert 7-Centralizers Thread Lock				SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER						
495 SKS Pacosetter Lite "C" + 3% CaCl ₂		985 ft ³		Surface	12.4	1.99	10.97	175	130								
320 SKS "C" + 3% CaCl ₂		422 ft ³		1300'	14.8	1.32	6.3	75	48								
Available Mix Water		Available Displ. Fluid		TOTAL		250		178									
HOLE			TBG-CSG-D.P.			TBG-CSG-D.P.			COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE				
12 1/4"	100	1756'	8 3/8"	24"	K-55	1762'	-	-	-	-	1762'	1760'	-				
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID							
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.					
-	-	-	-	-		-	-	-	8 3/8"	8 1/2"	Mud						
CAL. DISPL. VOL.-Bbl.				CAL. PSI		CAL. MAX PSI		OP. MAX		MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		WATER SOURCE	
TBG.	CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	SO. PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	SOURCE				
-	-	-	109.5	109.5	370	-	-	-	2950	-	Water	8.3	Rig				

EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG ETC. PRIOR TO CEMENTING: Rig Down + Wash-up Pump
Note re 12/10 11-11-91

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE-PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 3300PSI	
0300						CIRCULATING WELL-RIG <input checked="" type="checkbox"/> WPS <input type="checkbox"/>	
1445						Arrive on location - Safety Meeting - Spot Equipment	
1500	300		6		Water	Run Line to Rig - Wait for Rig to Run Csg	
1505	400		6	20	Cement	Csg Loaded - Hook Rig to Circulate	
1528	300		6	125	Cement	Hook Pump to Csg - Start water ahead	
1540	300		6	75	Cement	Start Tail Cement	
1542	100		5		Water	Finish Cement	
1604	600		A	100	Water	Drop Plug - Start Displacement	
1611	1100		B	110	Water	Shut Pump	
1612						Bump Plug - Finish Displacement	
1612						Check Float Equipment (Hold o.k.)	
1614				2.4	1003	Rig Down + Wash-up Pump	
						Rig Location	

RELEASED
FROM CONFIDENTIAL
RECEIVED
KANSAS CORPORATION COMMISSION
JAN 29 1992
CONSERVATION DIVISION
WICHITA, KS

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. B.G. Rabe
(Y) N	1100	(Y) N	20	20	0	Surface	CUSTOMER REP. Cliff Roberts