

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

Operator: License # 5208Name: Mobil Oil CorporationAddress P.O. Box 21732319 North Kansas AvenueCity/State/Zip Liberal, KS 67905-2173

Purchaser: _____

Operator Contact Person: Sharon CookPhone (316) 626-1142Contractor: Name: Cathodic Protection ServicesLicense: 31474

Wellsite Geologist: _____

Designate Type of Completion
☐ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☒ Other (Gels, WSW, Explr, 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. _____

8-9-94 8-9-94 8-9-94
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21290-00-00 ORIGINAL

County Morton- NE - SW - NW Sec. 31 Twp. 33S Rge. 39 X W3885 FSL Feet from S/N (circle one) Line of Section4035 FEL Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name CP-Hayward Well # 2Field Name HugotonProducing Formation NAElevation: Ground 3279 KB NATotal Depth 80 PBTD NAAmount of Surface Pipe Set and Cemented at None FeetMultiple Stage Cementing Collar Used? NA Yes NA NoIf yes, show depth set NA FeetIf Alternate II completion, cement circulated from NAfeet depth to NA w/ NA sx cm.Drilling Fluid Management Plan 9-1-95 JH
(Data must be collected from the Reserve Pit)Chloride content NA ppm Fluid volume NA bblsDewatering method used NA

Location of fluid disposal if hauled offsite: _____

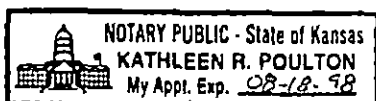
Operator Name NALease Name NA License No. _____NA Quarter Sec. NA Twp. NA S Rng. NA E/WCounty NA Docket No. NA

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 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. CookTitle Regulatory Assistant Date 11-2-94Subscribed and sworn to before me this 2nd day of November, 19 94.Notary Public Kathleen R. PoultonDate Commission Expires August 18, 1998

390.cj



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 CP-Hayward Well # 2
 Sec. 31 Twp. 33S Rge. 39 ☐ East ☒ West
 County Morton

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 ☐ Yes ☒ No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

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

List All E.Logs Run:

Electric Resistance Log - Attached

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

Name Top Datum

SEE ATTACHED DRILLER'S 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

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 checked="" type="checkbox"/> Plug Off Zone				

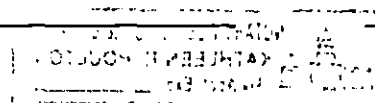
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
First anode set at	70', second anode at 50'.		

TUBING RECORD	Size	Set At	Packer At	Liner Run	NA	<input type="checkbox"/> Yes <input type="checkbox"/> No
1" PVC vent from TD to 3' above surface.						
Date of First, Resumed Production, SWD or Inj. Installed 8-9-94			Producing Method	NA	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. NA	Gas NA	Mcf NA	Water NA	Bbls. NA	Gas-Oil Ratio Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

(If vented, submit ACO-18.) ☐ Other (Specify) _____



CATHODIC PROTECTION SERVICES COMPANY

LIBERAL, KANSAS

DATA SHEET NO. I

ORIGINAL

COMPANY MOBIL E&PJOB NO. 801-00370DATE: 8/9/94WELL: Hayward 2

PIPELINE:

LOCATION: Sec. 31 Twp. 33Rge. 39Co. MortonState KansasROTARY 2 at 80 cph FT:

CASING

FT.

DEEP GROUND BED LOGGING DATA

DRILL LOG	DEPTH (FT)	ANODE TO STRUCTURE		ANODES		ANODE TO CABLE	DRILL LOG	DEPTH (FT)	ANODE TO STRUCTURE		ANODES		ANODE TO CABLE
		EXPLOR	FINAL	NO.	DEPTH				EXPLOR	FINAL	NO.	DEPTH	
by:		ohm	ohm			ohm			ohm	ohm			ohm
	5							205					
	10							210					
	15							215					
	20							220					
	25							225					
	30	.380						230					
	35	.280						235					
	40	.220						240					
Hole #1	45	.400						245					
	50	.1670		2				250					
75'S+75'W	55	.410						255					
of well	60	.280						260					
	65	.840						265					
	70	.920		1				270					
	75	.230						275					
	80							280					
	85							285					
	90							290					
	95							295					
								300					
	105							305					
	110							310					
	115							315					
	120							320					
	125							325					
	130	.260						330					
	135	.210						335					
	140	.250						340					
Hole #2	145	.260						345					
	150	.240						350					
North of well	155	.260		2				355					
	160	1.08						360					
	165	.590						365					
	170	.200						370					
	175	.580		1				375					
	180							380					
								385					
	190							390					
	195							395					
	200							400					

GROUNDBED RESISTANCE: (1) VOLTS _____ + AMPS = OHMS

(2) VIBROGROUND _____ OHMS

HAYWARD 1-2

758 75w

CATHODIC PROTECTION SERVICES CO.
WELL TYPE GROUND BED DATACUSTOMER:
LOCATION:MOBILE OIL CORP
31-33-39DRILLING COMPANY:
DRILLER:RAYS DRILLING
RAY MEROHOLE DEPTH:
DIAMETER:80"
6"CASING TYPE:
SEAL TYPE:STEEL PCV
CEMENT BENTONITE

DATE: 8-9-94

ORIGINAL

DEPTH	CASING	SEAL	FORMATION LOG	H2O	SEAL	DEPTH	CASING	SEAL	FORMATION LOG	H2O	SEAL
5			BROWN CLAY			305					
10						310					
15			BROWN SAND			315					
20						320					
25			BROWN CLAY			325					
30						330					
35			BROWN SAND			335					
40						340					
45						345					
50						350					
55						355					
60						360					
65						365					
70						370					
75						375					
80						380					
85						385					
90						390					
95						395					
100						400					
105						405					
110						410					
115						415					
120						420					
125						425					
130						430					
135						435					
140						440					
145						445					
150						450					
155						455					
160						460					
165						465					
170						470					
175						475					
180						480					
185						485					
190						490					
195						495					
200						500					
205						505					
210						510					
215						515					
220						520					
225						525					
230						530					
235						535					
240						540					
245						545					
250						550					
255						555					
260						560					
265						565					
270						570					
275						575					
280						580					
285						585					
290						590					
295						595					
300						600					