

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

Operator: License # 5703Name: J. M. Huber CorporationAddress: 7120 I-40 West, Suite 100City/State/Zip: Amarillo, Texas 79106Purchaser: SI WOPLOperator Contact Person: William D. SiddensPhone: (806) 353-9837Contractor: Name: Murfin Drilling CompanyLicense: 6033Wellsite Geologist: N/A

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☒ Oil ☐ SWD ☐ Temp. Abd.☒ Gas ☐ Inj ☐ Delayed Comp.☐ Dry ☐ Other (Core, Water Supply, etc.)

If OWWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

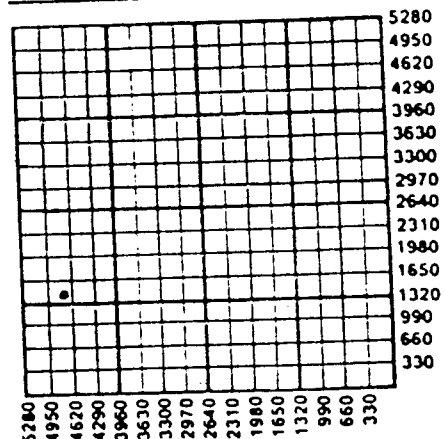
Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable11-09-90 11-23-90 12-13-90

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

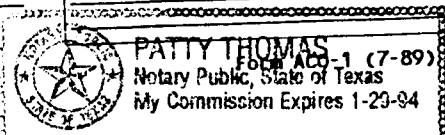
Signature: Robert CorneliusTitle: District Engineer Date: 12-18-90Subscribed and sworn to before me this 18 day of December, 19 90.Notary Public: Patty Thomas Patty ThomasDate Commission Expires: 01/29/94API NO. 15- 187-20517County: StantonApp C W/2 SW Sec. 14 Twp. 29S Rge. 41 ☒ East ☒ West1500 Ft. North from Southeast Corner of Section4713 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name: Kendrick Well #: 14-1Field Name: Arroyo (Morrow)Producing Formation: L. MorrowElevation: Ground 3371 KB 3383Total Depth: 5514' PBDT 5470'Amount of Surface Pipe Set and Cemented at 1689 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☒ NoIf yes, show depth set 3394 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt

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

* * We are requesting that the Kendrick 14-1 be assigned to the Arroyo (Morrow) Field.



Operator Name J. M. Huber Corporation Lease Name Kendrick Well # 14-1
 Sec. 14 Twp. 29S Rge. 41 ☐ East ☒ West
 County Stanton

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.)

See attached

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
B/Heebner		3613'
Lansing	3706'	
Marmaton	4263'	
Cherokee	4454'	
Cherokee/Marker	4592'	
Morrow	4920'	
Morrow C	4994'	
Morrow F	5246'	
L. Morrow	5358'	
Miss.	5439'	

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
Conductor	30"	20"		40'	Grout	4 yds	
Surface	12-1/4"	8-5/8"	24#	1689'	Poz C	550	35/65 w/6% gel, 2% CaCl ₂
					Class C	150	w/2% CaCl ₂ & 1/4#
Production	7-7/8"	5-1/2"	14#	5514'	Poz H	490 *	1/2# SX

PERFORATION RECORD

Specify Footage of Each Interval Perforated

Second Stage
 Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used)

Depth
 cell

Shots Per Foot	Specify Footage of Each Interval Perforated	Shots Per Foot	Specify Footage of Each Interval Perforated
2	5360-73		
	5378-87		
	5397-5437		

TUBING RECORD

Size
 2 3/8"

Set At
 5319'

Packer At
 5319'

Liner Run

☐ Yes ☒ No

Date of First Production _____ Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		3443			

Disposition of Gas: SIWOPL

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled
 (If vented, submit ACO-18.) ☐ Other (Specify) _____

5360-5437' OA

*50-50 Poz H w/2% gel, 10% salt,
 10#/sx Kolite & 0.75% FLA
 **50-50 Poz H w/2% gel, 10% salt, 10#/sx Kolite & 0.75% FLA

Attachment
Kendrick 14-1

DST #1 4961-5127'

IHP: 2366 psi
10 min IFP: 64-64 psi
30 min ISIP: 129 psi
60 min FFP: 80-80 psi
180 min FSIP: 161 psi
FHP: 2350 psi
BHT: 122° F
Rec. 60' drlg mud

DST #2 5355-5455'

IHP: 2559 psi
10 min IFP: 1241-1250 psi
30 min ISIP: 1434 psi
60 min FFP: 1266-1286 psi
180 min FSIP: 1434 psi
FHP: 2546 psi
BHT: N/A

Initial Flow: GTS in 2 min, 5065 MCFD
rate

Final Flow: 6439 MCFD stabilized
after 20 min

Rec. 10' condensate & 60' muddy water