

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

API NO. 15- 187-20517

County Stanton

App C W/2 SW Sec. 14 Twp. 29S Rge. 41 East West

1500 Ft. North from Southeast Corner of Section

4713 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

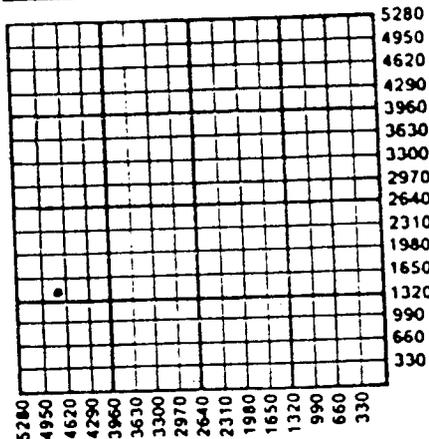
Lease Name Kendrick Well # 14-1

Field Name Arroyo (Morrow)

Producing Formation L. Morrow

Elevation: Ground 3371 KB 3383

Total Depth 5514' PBDT 5470'



ALT

Amount of Surface Pipe Set and Cemented at 1689 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3374 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt

Operator: License # 5703

Name: J. M. Huber Corporation

Address 7120 I-40 West, Suite 100

City/State/Zip Amarillo, Texas 79106

Purchaser: SI WOPL

Operator Contact Person: William D. Siddens

Phone (806) 353-9837

Contractor: Name: Murfin Drilling Company

License: 6033

Wellsite 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 OWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

11-09-90 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 confidentially 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 Cornelius
Title District Engineer Date 12-18-90

Subscribed and sworn to before me this 18 day of December, 19 90.

Notary Public Patty Thomas Patty Thomas

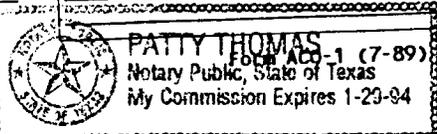
Date Commission Expires 01/29/94

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug 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

Name	Formation Description	
	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 Class C	550 150	35/65 w/6% gel w/2% CaCl ₂
Production	7-7/8"	5-1/2"	14#	5514'	Poz H Second Stage	490* 815**	

PERFORATION RECORD DV tool at 3394'
 Specify Footage of Each Interval Perforated

Shots Per Foot	Footage	Material Used	Depth
2	5360-73		
	5378-87		
	5397-5437		

TUBING RECORD

Size	Set At	Packer At	Liner Run
2 3/8"	5319'	5319'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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** Vented Sold Used on Lease Open Hole Perforation Dually Completed Commingled
 (If vented, submit ACO-18.) Other (Specify) _____ Production Interval 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