

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

API NO. 15- 187-20671

County Stanton

App. SE NW NW Sec. 23 Twp. 29S Rge. 41 X W

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

1050 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 Kendrick Well # 23-2

Field Name Arroyo

Producing Formation St. Louis

Elevation: Ground 3369' KB 3387'

Total Depth 5870' PBTD 5822'

Amount of Surface Pipe Set and Cemented at 1645 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cnt.

Drilling Fluid Management Plan 7-22-93  
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 11,000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator: License # 5703

Name: J. M. Huber Corporation

Address 7120 I-40 West, Suite 100

City/State/Zip Amarillo, Texas 79106

Purchaser: Texaco Trading & Transportation

Operator Contact Person: William D. Siddens

Phone ( 806 ) 353-9837

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: None

Designate Type of Completion  
X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

X Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_ Temp. Abd.

\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW

\_\_\_\_\_ Dry \_\_\_\_\_ Other (Core, MSW, 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

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

4-12-93 4-25-93 6-11-93

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

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 Robert Cornelius

Title District Production Mgr. Date 6-25-93

Subscribed and sworn to before me this 12th day of July, 19 93.

Notary Public Gail Metcalf

Date Commission Expires \_\_\_\_\_  
GAIL METCALF  
Notary Public, State of Texas  
My Commission Expires 3-10-04

K.C.C. OFFICE USE ONLY RECEIVED  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C \_\_\_\_\_ Geologist Report Received JUL 15 1993  
Distribution  
 KCC \_\_\_\_\_ SWD/Rep  
 KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other (Specify) X5

Operator Name J. M. Huber Corporation

Lease Name Kendrick

Well # 23-2

Sec. 23 Twp. 29S Rge. 4E

East

County Stanton

West

**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.)

Log Formation (Top), Depth and Datum  Sample

Samples Sent to Geological Survey  Yes  No

Name Top Datum

Cores Taken  Yes  No

\*See attached

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run: **\*\*Core information attached**

DIL-SFL-GR  
LDL-CNL-GR  
Sonic

**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'	Redi-mix	3 yds	
Surface	12-1/4"	8-5/8"	23#	1645'	Howco Lite Premium Plus	550	w/2% CaCl & 1/4#Flocele/sx
				Tailed in with	Premium Plus	150	w/2% CaCl

\*\*\* Production - See attached

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	5560-5567'			
				Acidize w/1000 gals 15% FeHcl cont. additives & 35 ballsealers.	

**TUBING RECORD** Size 2-7/8" Set At 5606' Packer At - Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 6-11-93 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 46 Bbls. Gas 10 Mcf Water 120 Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:

**METHOD OF COMPLETION**

Vented  Sold  Used on Lease

Open Hole  Perf.  Dually Comp.  Conminced

Production Interval

5560-5567'

ACO-1 - Attachment  
Kendrick 23-2

Log\*

Name	Top	Datum
Chase	2184'	
Council Grove	2505'	
Neva	2662'	
T/Penn	2895'	
Topeka	3183'	
B/Heebner		3620'
Lansing	3723'	
Marmaton	4300'	
Cherokee	4476'	
Cherokee/Marker	4615'	
Morrow	4940'	
Morrow C	5010'	
St. Louis	5483'	
Spergen	5664'	

Cores\*\*

- Core #1: 5550-5554'  
Cut 4', Rec'd 4'  
Sandy LS w/dolomite stringers, hard, tite
- Core #2: 5554-5569.5' - cut 15.5', rec'd 15.5'  
5554-5561' - LS, sd, hard, tite  
5561-5568.5' - LS, oolitic, firm, friable,  
fair to good porosity & permeability, good  
stain, fluor.  
5568-5569.5 - LS, sandy, hard, tite
- Core #3 5569.5-5584 - Cut 14.5', rec'd 14.5'  
LS, sandy, hard, tite

Production\*\*\*

5-1/2" 14# M-50 ST&C set at 5869'.

Cmt 1st stage w/600 sx 50/50 Poz H w/2% gel, 10% salt, 10# Gilsonite &  
0.3% CFR-3/sx.

Cmt 2nd stage w/600 sx 50/50 Poz H w/2% gel, 10% salt, 10# Gilsonite &  
0.3% CFR-3/sx.

DV tool set at 3381'