

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

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: Cheyenne Drilling

License: 05382

Wellsite Geologist: None

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover  
☒ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.  
☐ Gas ☐ ENHR ☐ SIGW  
☐ Dry ☐ Other (Core, WSV, 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. \_\_\_\_\_

8-10-93 8-22-93 9-28-93  
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20687

County Stanton

App NE NW NW Sec. 12 Twp. 29S Rge. 41 X E W

330 Feet from S (circle one) Line of Section

850 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Arnold Well # 12-1

Field Name Arroyo (Morrow)

Producing Formation Morrow

Elevation: Ground 3341' KB 3352'

Total Depth 6040' PBTD 5997'

Amount of Surface Pipe Set and Cemented at 1691 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

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

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

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

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

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

De-watering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

Lease Name \_\_\_\_\_ License no. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

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 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.

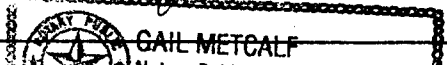
Signature Robert A. Cornelius

Title District Engineer Date 10-5-93

Subscribed and sworn to before me this 5<sup>th</sup> day of October, 19 93.

Notary Public Gail Metcalf

Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY	
F <input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C <input checked="" type="checkbox"/>	Wireline Log Received
C <input type="checkbox"/>	Geologist Report Received
Distribution	
<input type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/> KGS	<input type="checkbox"/> PLS
KANSAS CONSERVATION DIVISION Wichita, Kansas (specify)	

IS

Operator Name J. M. Huber Corporation Lease Name Arnold Well # 12-1  
 Sec. 12 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.)

List All E.Logs Run:

DIL-SFL-GR  
 LDL-CNL-GR  
 Sonic

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

\*See attached

### 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	4 yds	
Surface	12-1/4"	8-5/8"	23#	1691'	Pacesetter Lite "C"	550	w/2% CaCl w/1/4#Flocele
			Tailed in.	with Premium Plus		150	w/2% CaCl/sx

\*\*Production - See Attached

### 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	5446-5452'	Acidized with 500 gals 7-1/2% FeHCl w/add
4	5462-5470'	
4	5472-5482'	
4	5694-5704'	CIBP set at 5684'
4	5824-5834'	Acidized w/1000 gals 7-1/2% FeHCl cont. additives. CIBP set at 5800'

TUBING RECORD	Size 2-7/8"	Set At 5410'	Packer At 5410'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 246 Bbls.	Gas 1064 Mcf	Water 20 Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:

### METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease

☐ Open Hole ☒ Perf. ☐ Dually Comp ☐ Cemented

5446-5482' OA

\*Log

Name	Top	Datum
Chase	2263'	
Neva	2790'	
T/Penn Wabaunsee	2960'	
Topeka	3254'	
B/Heebner		3706'
Lansing	3807'	
Marmaton	4370'	
Cherokee	4542'	
Cherokee Marker	4690'	
Morrow	5010'	
Morrow C	5098'	
Morrow F	5365'	
Miss. Chester	5508'	
St. Gen.	5557'	
St. Louis	5620'	

\*\*Production

5-1/2" 14# M-50 ERW Cond A set at 6039'

Cmt'd 1st stage w/500 sx 50/50 Poz "H" w/2% gel, 10% salt, 10# Gilsonite,  
& 0.3% CFR-3/sx.

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

DV tool at 3377'.