

23-29-41W

COPY

SIDE ONE

CONFIDENTIAL

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 CorproationAddress 7120 I-40 WestSuite 100City/State/Zip Amarillo, Texas 79106Purchaser: Texaco Trading & TransportationOperator Contact Person: William D. SiddensPhone (806) 353-9837Contractor: Name: Murfin Drilling CompanyLicense: 30606Wellsite Geologist: None

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

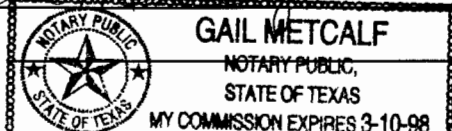
☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____1-26-94 2-03-94 3-15-94Spud Date 1-26-94 Date Reached TD 2-03-94 Completion Date 3-15-94

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 CorneliusTitle District Engineer Date 3-28-94Subscribed and sworn to before me this 28th day of March19 94Notary Public Gail Metcalf

Date Commission Expires _____

API NO. 15- 187-20716County StantonApp. SE, NE, NE Sec. 23 Twp. 29 S Rge. 41 X E W1150 Feet from S/N (circle one) Line of Section510 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 Arnold Well # 23-2Arroyo (Morrow)Producing Formation MorrowElevation: Ground 3363' KB 3374'Total Depth 5950' PBTD 5837'Amount of Surface Pipe Set and Cemented at 1619' FeetMultiple 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 ALT 1 JH 6-24-94
(Data must be collected from the Reserve Pit)Chloride content 1000 ppm Fluid volume 11,000 bblsWatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____

Quarter SE Sec. 23 Twp. 29 S Rge. 41 E W

County _____ Docket No. _____

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CONSERVATION DIVISION
Wichita, Kansas

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APR 22 1996

FROM CONFIDENTIAL

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) JS

Form ACO-1 (7-91)

SIDE TWO

Operator Name J.M. Huber Corporation Lease Name Arnold Well # 23-2
 Sec. 23 Twp. 29 Rge. 41 ☐ 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Attachment		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run: DIL-SFL-GR LDL-CNL-GR SDT-LSS				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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#	1619'	Poz C	550	2% CaCl w/1/4# cellor lake/sx w/2% CaCl
				Tailed in with	Class C	150	

*Production - See Attached ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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
2	5420-5430'	Acidize w/1000 gals 7-1/2% FeHCl.	
2	5445-5447'	Frac 5420-5479' OA w/93 tons CO2 50,800# 20-40 sd, & 17,500 gals foam.	
2	5452-5456'		
2	5469-5479'	Acidize w/2,000 gals 7-1/2% FeHCl 5445-5479' OA.	

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2-7/8"	5432'			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Resumed Production, SWD or Inj. Production				Producing Method			
3-15-94				<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbbls.	Gas	Mcf	Water	Bbbls.	Gravity
	333		1,016		21		.690

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled ☐ Other (Specify) _____

5420-5479' OA

COPY

Attachment - ACO-1
Arnold 23-2

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API #15-187-20716

Log

Name

Top

KCC

Datum

MAR 30

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Chase	2194'
Council Grove	2518'
Neva	2730'
Wabaunse	2893'
Topeka	3190'
B/Heebner	
Lansing	3731'
Marmaton	4310'
Cherokee	4502'
Cherokee Marker	4646'
Morrow	4980'
Morrow C	5058'
Morrow F	5315'
Keyes	5417'
St. Gen.	5517'
St. Louis	5564'
Spergen	5740'

3629'

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* Production Csg

5-1/2" 14# set at 5949'. Cmt'd 1st stage w/530 sx 50/50 Poz "H" containing 2% gel, 10% salt, 10# Kolite, & 0.3% Turbalance Inducer/sx.

Cmt'd 2nd stage w/550 sx 50/50 Poz H containing 2% gel, 10% salt, 10# Kolite, & 0.3% Turbalance Inducer/sx.

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Wichita, Kansas