

KANSAS CORPORATION COMMISSION

OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 5293
Name: Helmerich & Payne, Inc.
Address: 1579 E. 21st Street
City/State/Zip: Tulsa, OK 74114
Purchaser: _____
Operator Contact Person: Sharon LaValley
Phone: (918) 742-5531
Contractor: Name: Cheyenne Drilling
License: 5382

Wellsite Geologist: NONE

Designate Type of Completion:

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

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

 Deepening Re-perf. Conv. To Enhr./SWD

 Plug Back Plug Back Total Depth

 Commingled Docket No. _____

 Dual Completion Docket No. _____

 Other (SWD or Enhr.?) Docket No. _____

01/24/01 01/27/01 03/30/01

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 081-21369

County: Haskell

 - NE - SW - SW Sec. 19 Twp. 30 S. R. 31 ☐ East ☒ West

1250 feet from S / N (circle one) Line of Section

4030 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SP NW SW

Lease Name: Hammer Well #: 2-2

Field Name: Hugoton

Producing Formation: Chase

Elevation: Ground: 2849' Kelly Bushing: 2855'

Total Depth: 2815' Plug Back Total Depth: 2767'

Amount of Surface Pipe Set and Cemented at 659' Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2812

feet depth to surface w/ 525 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the reserve pit)

Chloride content Est 1000 ppm Fluid volume 1000 bbls

Dewatering method used Evapoation

Location of fluid disposal if hauled offsite: _____

Operator Name: NA

Lease Name: _____ License No.: _____

Quarter Sec. Twp. S. R. ☐ East ☐ West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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 completed and correct to the best of my knowledge.

Signature: Sharon LaValley

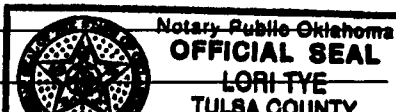
Title: Engineer Tech Date: 5/23/01

Subscribed and sworn to before me this 23rd day of May

2001

Notary Public: Lori Tye

Date Commission Expires: 6/13/04



KCC Office Use Only

 Letter of Confidentiality Attached

 If Denied, Yes ☐ Date: _____
 Wireline Log Received

 Geologist Report Received

 UIC Distribution

Operator Name: Helmerich & Payne, Inc. Lease Name: Hammer Well #: 2-2Sec. 19 Twp. 30 S. R. 31 ☐ East ☒ West County: Haskell

Instructions: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressure, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken

(Attach Additional Sheets)

Samples Sent to Geological Survey

Cores Taken

Electric Log Run

(Submit Copy)

List All E. Logs Run:

Dual Spaced Neutron

☐ Yes ☒ No☐ Yes ☒ No☐ Yes ☒ No☒ Yes ☐ No☐ Log Formation (Top), Depth and Datum☐ Sample

Name

Top

Datum

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.
Surface	12 1/4"	8 5/8"	23#	659	Prem Plus Lite C	180	2% CC
					Prem Plus C	125	2% CC + 1/4# flocele
Production	7 7/8"	5 1/2"	15.5#	2812'	Prem Plus Lite	400	1/4# Flocele
					50/50 Poz Mix	125	10% Salt, 1/4# Flocele mixed

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				

Shot Per Foot 4	PERFORATIONS RECORD – Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
	Upper Krider 2622-2632'		21600 gal 70Q N2 foam cont. 41000 lbs 16/30 white sand in 1 – 4 ppg stages		
TUBING RECORD		Size 2 7/8	Set At 2625'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. WOPL – Well is shut in.			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 Bbls 0	Gas Mcf 72	Water Bbls 190	Gas-Oil Ratio	Gravity

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☒ Vented ☐ Sold ☐ Used on Lease
(If Vented, Submit ACO-18)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2622-2632'
☐ Other (Specify) _____