

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
CONFIDENTIAL WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

17-318-34 W
Form ACQ-1
September 1999
Form Must Be Typed

JUN 15 2001

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: Wes Henson
Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ 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. _____

02/21/01 03/05/01 03/30/01
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

CONFIDENTIAL
AP No. 15 175-21821
County: Seward

- SW- SE- SW Sec. 17 Twp. 31 S. R. 34 ☐ East ☒ West
330 feet from S / N (circle one) Line of Section
1650 feet from E / W (circle one) Line of Section

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

Lease Name: Home Royalty Well #: A-5
Field Name: Cutter SE

Producing Formation: Chester
Elevation: Ground: 2855' Kelly Bushing: 2866'

Total Depth: 5800' Plug Back Total Depth: 5771'
Amount of Surface Pipe Set and Cemented at 1686 Feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 3273 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 1500 ppm Fluid volume 2000 bbls
Dewatering method used Evaporation
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: 6/13/01
Subscribed and sworn to before me this 13th day of June

2001
Notary Public: Lori Tye
Date Commission Expires: 6/13/04



KCC Office Use Only

Letter of Confidentiality Attached
If Denied, Yes ☒ No ☐ Date: 6/13/01
Wireline Log Received ☒
Geologist Report Received ☒
UIC Distribution ☒

JUN 15 2001

CONSERVATION DIVISION

Operator Name: Helmerich & Payne, Inc. Lease Name: Hqme Royalty Well #: A-5
 Sec. 17 Twp. 31 S. R. 34 ☐ East ☒ West County: Seward

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 pressures, 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 ☒ Yes ☐ No

(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Takes ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No

(Submit Copy)

List All E. Logs Run:

DIL/CNL/DCL/MEL/BHCS

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

Name	Top	Datum
Heeber Shale	3982	-1116
Lansing	4105	-1239
Kansas City	4562	-1696
Base of Kansas City	4697	-1831
Morrow	5195	-2329
Chester	5468	-2602
St. Louis	5676	-2810

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"	24#	1686'	35/65 Poz Class Lite	500	6% bent + .2% CC + 1/4# flocele
					Class C	150	2% CC + 1/4# Flocele
Production	7 7/8"	5 1/2"	15.5 & 14#	5810	50/50 Poz	920-1 st stg	2% gel, 1/8# polyflake, 10% Salt, .6% Halad-322, .25% D-Air 3000, 2% Anti-foamer
					50/50 Poz	550-2 nd stg	2% gel, 10% Salt, .6% Halad-322, .25% D-Air 3000, 4% Cal-Seal, 1/4# flocele

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	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
4	5622-5630 - Chester	Breakdown - 500 glas N-Ver-Sperse + 2000 gals 4% KCL wtr. Frac - 26200 gals 25# Delta Frac cont. 56000 lbs 16/30 white sand coated w/sand wedge in 2-8 ppg stages. Flush w/5725 gals 25# linear gels.	
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Size 2 7/8 Set At 5594 Packer At			
Date of First, Resumed Production, SWD or Enhr. 03/30/01		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 120 Gas Mcf 108 Water Bbls 148	Gas-Oil Ratio 900	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 5622-5630'
☐ Other (Specify) _____

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & COR REPORT

CONFIDENTIAL

COPY
Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:
Company Helmerich & Payne Lease Home Royalty Well No. A5

County Seward Location 330' FSL 1650' FWL Section Sec 17-T 31S-R 34W Acres KCC

Field Cutter Southeast Reservoir Chester Pipeline Connection none JUN 13 2001

Completion Date 6-6-01 Type Completion(Describe) Single hole Plug Back T.D. 5754' Packer Set At 5622' to 5630'

Production Method: Pumping Gas Lift Type Fluid Production oil & water API Gravity of Liquid/Oil 41

Casing Size 5 1/2 Weight 15.50 I.D. 4.950 Set At 5810 Perforations 5622' to 5630'

Tubing Size 2 3/8 Weight 6.50 I.D. 2.441 Set At 5661 Perforations To

Pretest: Starting Date 6-5-01 Time 10:00 AM Ending Date 6-6-01 Time 10:00 AM Duration Hrs.

Test: Starting Date 6-5-01 Time 10:00 AM Ending Date 6-6-01 Time 10:00 AM Duration Hrs.

OIL PRODUCTION OBSERVED DATA
Producing Wellhead Pressure Separator Pressure Choke Size

Casing: 20 Tubing: 85
Bbls./In. Tank Starting Gauge Ending Gauge Net Prod. Bbls.

	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										

Test:	300	3739	7	1 1/2	142.78	7	11 1/2	159.48		16.70
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Test:	210	S/W	3	5	119.72	5	8	198.56	78.84	
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oil 1.67 water 2.92 GAS PRODUCTION OBSERVED DATA
Orifice Meter Connections Orifice Meter Range

Pipe Taps: Flange Taps: Differential: Static Pressure:
Measuring Device Run-Prover-Tester Size Orifice Meter-Tester Pressure Diff. Press. Gravity Flowing

	Tester Size	Size	In.Water	In.Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Orifice Meter			RELEASED			120		

Critical Flow Prover			AUG 1 2003					JUL 15 2001
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Orifice Well Tester			FROM CONFIDENTIAL					CONSERVATION DIVISION
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GAS FLOW RATE CALCULATIONS (R)
Coeff. MCFD Meter-Prover Press.(Psia)(Pm) Extension √hw x Pm Gravity Factor (Fg) Flowing Temp. Factor (Ft) Deviation Factor (Fpv) Chart Factor (Fd)

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Gas Prod. MCFD 65 mcf Oil Prod. Bbls./Day: 16.70 oil Gas/Oil Ratio (GOR) = Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the _____ day of _____ 19

verbal Steve Durant For Offset Operator For State For Company