

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

Operator: License # 5293

Name: Helmerich & Payne, Inc.

Address 1579 E. 21st Street

City/State/Zip Tulsa, OK 74114

Purchaser: NCRA

Operator Contact Person: Sharon LaValley

Phone (918) 742-5531

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: Brad Rine

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., etc.)

If Workover:

Operator:

Well Name:

Comp. Date Old Total Depth

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD
☐ Plug Back ☐ PBDT
☐ Commingled ☐ Docket No.
☐ Dual Completion ☐ Docket No.
☐ Other (SWD or Inj?) ☐ Docket No.

12-1-99 12-12-99 2-24-00
 Spud Date Date Reached TD Completion Date

API NO. 15- 175-21773

County Seward

- NE - NW - SW Sec. 17 Twp. 31S Rge. 34 X W

2160 Feet from (S) (circle one) Line of Section

875 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 Home Royalty Well # A-4

Field Name Cutter SE

Producing Formation Chester K.C.

Elevation: Ground 2857 KB 2868

Total Depth 5800 PBDT

Amount of Surface Pipe Set and Cemented at 1674 Feet

Multiple Stage Cementing Collar Used? Yes ☒ No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from NA

feet depth to w/ sx cmt.

Drilling Fluid Management Plan AH. 1, 4-26-00
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used Trucked to disposal

Location of fluid disposal if hauled offsite

Operator Name K&L Tank Truck Service FROM CONFIDENTIAL

Lease Name Morris SWD License No. 8757

Quarter Sec. 19 Twp. 24 S Rng. 31 E/W

County Finney Docket No. C-16812_96930-C

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 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

Sharon LaValley

Title Engineer Tech

Date 3-31-00

Subscribed and sworn to before me this 31st day of March 2000.

Notary Public

Teresa Jayne Hancock

Date Commission Expires August 17, 2002

K.C.C. OFFICE USE ONLY

F ☒ Letter of Confidentiality Attached
 C ☒ Wireline Log Received
 C ☐ Geologist Report Received

Distribution

☐ KCC ☐ SWD/Rep ☐ NCPA
☐ KGS ☐ Plug ☒ Other (Specify)

IOG

Operator Name Helmerich & Payne, Inc. Lease Name Home Royalty Well # A-4Sec. 17 Twp. 31S Rge. 34 ☐ EastCounty Seward☒ 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.)Samples Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)

List All E.Logs Run:

DIL, Porosity Log, Sonic Log, Cement
Bond Log & Microresistivity Log☐ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Heebner	3970'	-1102'
Lansing	4056'	-1188'
Kansas City	4553'	-1685'
Marmaton	4698'	-1830'
Cherokee	4900'	-2032'
Atoka	5174'	-2306'
Morrow Shale	5237'	-2369'
Chester Sand	5594'	-2726'
TD	5800'	-2932'

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	24/23#	1674'	35/65 Poz C Class C	600 150	2% CC 1/4 FC 6% D-20 2% CC 1/4# FC
Production	7 7/8	5 1/2	14#	5796'	50/50 Poz CL-H 50/50 Poz CL-C	280 250	2% Bent +1% D65 1% C +10# D44 2% D20 Bent +10% D44 NaCl + 1/4# D29 Cello flake +2% D45 Antifoam

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	CIBP @ 5579'			
<input type="checkbox"/> Protect Casing	TOC @ 5568'		2 Sacks	
<input checked="" type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone				

Shots per foot	PERFORATION RECORD <input checked="" type="checkbox"/> Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
6	Chester 5594-5600', 5604-22'	53000 gal 70Q N2 35# linear gel foam 81000# 20/40 Ottawa Sd 55000 gal 70Q N2 35# linear gel foam flush	
	CIBP @ 5579 2 sacks		
4	Kansas City B 4593-4613	Acid: 1000 gal 15% HCL	
TUBING RECORD			
Size	Set At	Packer At	Liner Run
2 3/8	4647'		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 03/31/2000		Producing Method	
		<input checked="" type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls	Gas Bbls	Gravity
	55	0	

Disposition of Gas: METHOD OF COMPLETION

Production Interval

☒ Vented ☒ Sold ☒ Used on Lease
(If vented, submit ACO-18.)☒ Open Hole ☒ Perf. ☒ Dually Comp. ☒ Commingled 4613-4593'
Other (Specify) _____