

32-29-33W COPY

*Ind*

FORM MUST BE TYPED  
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: P. O. Box 558

City/State/Zip: Garden City, Kansas 67846

Purchaser: Northern Natural/Coastal Derby

Operator Contact Person: Ken Jehlik or Art Childers

Phone: (316) 276-3693

Contractor: Name: Cheyenne Rig 7

License: \_\_\_\_\_

Wellsite Geologist: Bradford Rine

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:

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. \_\_\_\_\_

3-17-95 3-30-95 5-25-95  
Spud Date Date Reached TD Completion Date  
State Test

SIDE ONE

API NO. 15- 081-20911-0000

County Haskell

70 N of Center

- NE Sec. 32 Twp. 29s Rge. 33 X W

1250' Feet from S N (circle one) Line of Section

1320' 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 Groth Well # A-1

Field Name Lemon North

Producing Formation Kansas City "B" and Warmaton "C"

Elevation: Ground 2962 KB 2975

Total Depth 5601 PBTD 5405

Amount of Surface Pipe Set and Cemented at 1864 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 3119 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) *ACT 1 DRW*  
*1-16-96*

Chloride content 4800 ppm Fluid volume 7000 bbls

Dewatering method used Evaporation

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, 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 [Signature]

Title Dist Mgr Date 6-27-95

Subscribed and sworn to before me this 27th day of June, 19 95.

Notary Public [Signature]

Date Commission Expires August 15, 1996

K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Geologist Report Received  
Distribution  
KCC ☐ SWD/Rep ☐ NGPA  
KGS ☐ Plug ☐ Other (Specify) \_\_\_\_\_

Operator Name Helmerich & Payne, Inc.

SIDE TWO

Lease Name Groth Well # A-1Sec. 32 Twp. 29s Rge. 33☐ EastCounty Haskell☒ 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:  
Array Induction Shallow Focused Log  
GR-CNS-PDS  
MLS☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Heebner	4077	-1102
Lansing "A"	4173	-1198
Kansas City "A"	4617	-1642
Kansas City "B"	4670	-1695
Marmaton "C"	4797	-1822
Atoka	5167	-2192
L Morrow Sand	5337	-2362
St. Genevieve	5482	-2507

## 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	1864	65/35 Poz "C" Class "C"	562 150	6% gel, 1/4#sx flake 2% CaCl2, 1/4sx Flake
Production	7-7/8	5-1/2	15.5	5477	50/50 Poz "H" 65/35 Poz "C" 50/50 Poz "H"	325 375 300	10% salt, 2% gel, .75% Halad 322 6% gel, 1/4#sx flake 10% salt, 2% gel, 0.75% Halad 322, 1/4#sx. flake

## 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	Morrow 5337-5345 & 5348-5355	Acidize w/ 1500 gallons 7-1/2 % HCl	
4	Marmaton "C" 4797-4801 & 4803-4810	Acidize w/ 1500 gallons 15% HCl	
4	Kansas City "B" 4670-4678	Acidize w/ 1250 gallons 15% HCl	
	Cast Iron Bridge Plug @ 5,280'		

TUBING RECORD	Size 2-3/8	Set At 4883	Packer At -----	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 5-26-95 State Test	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 35 Bbls.	Gas 59 Mcf	Water 16 Bbls.	Gas-Oil Ratio 1686 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 ☐ Other (Specify) \_\_\_\_\_4670-4678'  
4797-4810'