FORM MUST BE TYPED

SIDE ONE

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

COPY

Operator: License # 5123

Name: Pickrell Drilling Company, Inc.

Address 110 N. Market, Suite 205

City/State/Zip Wichita, Kansas 67202

Purchaser: NCRA

Operator Contact Person: Larry J. Richardson

Phone (316) 262-8427

Contractor: Name: Company Tools

License: 5123

Wellsite Geologist: Billy G. Klaver

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

X Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

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. ____

9-23-93 Spud Date
10-01-93 Date Reached TD
11-16-93 Completion Date

API NO. 15- 15-135-23,756

County Ness

S/2 SW SW Sec. 30 Twp. 16S Rge. 25 X E W

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

660' 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 Horchem "A" Well # 3

Field Name Arnold SW

Producing Formation Mississippian

Elevation: Ground 2603 KB 2608

Total Depth 4522' PBTD Open Hole

Amount of Surface Pipe Set and Cemented at 221'KB Feet

Multiple Stage Cementing Collar Used? X Yes ____ No

If yes, show depth set 1983 Feet

If Alternate II completion, cement circulated from 1983

feet depth to surface w/ 275 sx cmt.

Drilling Fluid Management Plan ALT 2 JH 2-25-94
(Data must be collected from the Reserve Pit)

Chloride content 16,000 ppm Fluid volume 720 bbls

Dewatering method used

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, 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 C. W. Sebits

Title C. W. Sebits - President Date 12-13-93

Subscribed and sworn to before me this 13th day of December 1993.

Notary Public Verdella Lewis

Date Commission Expires 6-06-94

NOTARY PUBLIC - State of Kansas
VERDELLA LEWIS
My Appt. Exp. 6-6-94

K.C.C. OFFICE USE ONLY
F ____ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received

Distribution
✓ KCC ____ SWD/Rep ____ NGPA
✓ KGS ____ Plug ✓ Other (Specify)

RECEIVED
DEC 14 1993
CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-91)

SIDE TWO

Operator Name Pickrell Drilling Co. Inc. Lease Name Horchem "A" Well # 3

Sec. 30 Twp. 16S Rge. 25 ☐ East ☒ West County Ness

Y909

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.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run:

Radiation Guard

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Anhydrite	1970(+ 638)	
Heebner	3869(-1261)	
Lansing	3910(-1302)	
Base Kansas City	4225(-1617)	
Pawnee	4354(-1746)	
Fort Scott	4424(-1816)	
Cherokee	4450(-1842)	
Mississippi	4510(-1902)	
Mississippi Porosity	4517(-1909)	

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 Casing	12 1/4"	8 5/8"	20#	221'KB	60-40 poz	140sx	2%gel, 3%CC
Production Csg.	7 7/8"	5 1/2"	14#	4516'	60-40 poz	200sx	common w/10% salt
Stage Collar				1983	60-40 poz	275sx	8%gel w/FS

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth 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

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4514		☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj.	Producing Method
11-16-93	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	19	N/A	Trace		

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease

(If vented, submit ACO-18.)

METHOD OF COMPLETION

☒ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify)

Production Interval 4516-4522