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

RECEIVED
KANSAS CORP COM
1999 DEC 16 A 10:01

Operator: License # 31406

Name: Prairie Resources, Inc.

Address 1016 Amanda Pines Drive

City/State/Zip Parker, CO 80138

Purchaser: Cooperative Refining LLC

Operator Contact Person: Robert W. Packard

Phone (303) 840-3313

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Gordon Keen

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

XX 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: ____

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. ____

11-03-99 Spud Date
11-10-99 Date Reached TD
11-10-99 Completion Date

API NO. 15- 007-22605 0000

County Barber County, Kansas

SE - NW - SE - ____ Sec. 23 Twp. 31 Rge. 13 E/W

1650 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:
NE, SE, NW or SW (circle one)

Lease Name Packard Well # 4-23

Field Name Nurse

Producing Formation Mississippi

Elevation: Ground 1580' KB 1588'

Total Depth 4570' PBTD ____

Amount of Surface Pipe Set and Cemented at 222 Feet

Multiple Stage Cementing Collar Used? ____ Yes XX No

If yes, show depth set ____ 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 6900 ppm Fluid volume 646 bbls

Dewatering method used Settling Pit

Location of fluid disposal if hauled offsite:

Operator Name Mac SWD (Bowers)

Lease Name ____ License No. 5435

____ Quarter Sec. 7 Twp. 32 S Rng 11 W E/W

County Barber Docket No. CD-78217

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 Robert W. Packard

Title PRESIDENT Date 12-13-99

Subscribed and sworn to before me this 13th day of December, 19 99.

Notary Public Jane B. Alexander

Date Commission Expires 3-15-02

K.C.C. OFFICE USE ONLY
F NO Letter of Confidentiality Attached
C ____ Wireline Log Received
C ____ Geologist Report Received

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

Form ACO-1 (7-91)

SIDE TWO

Operator Name Prairie Resources, Inc. Lease Name Packard Well # 4-23

Sec. 23 Twp. 31 Rge. 13 ☐ East ☒ West County Barber County, Kansas

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:

Dual Induction Log
Dual Compensated

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

Name	Top	Datum
Lansing	3709'	-2121
Swope	4035'	-2447
Hertha	4073'	-2485
Mississippi	4194'	-2606
Viola	4438'	-2850
Simpson Sand	4558'	-2970

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#	222'	60/40 Poz	165	3%cc 2%gel
Production	7-7/8"	4-1/2"	10.5#	4464'	ASC	150	5# Kolseal/sk

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
2	4198' - 4208'	2000 gal 10% FE Acid	
		Frac'd w/73,000# sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8" od	4194'	N/A	☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj.	Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)
11-30-99	

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	200 Bbls.	215 Mcf	80 Bbls.	1075	

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 4198 - 4208'