

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 31406  
Name: Prairie Resources, Inc.  
Address: 1016 Amanda Pines Drive  
City/State/Zip: Parker, CO 80138  
Purchaser: N/A (SWD)  
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:  
 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: Sunray DX Oil Company

Well Name: Mathews #1  
Original Comp. Date: 03-09-62 Original Total Depth: 4378'  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. D-27,743  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

<u>05-11-00</u>	<u>05-15-00</u>	<u>06-24-00</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007014980001

County: Barber

Sec. 23 Twp. 31 S. R. 13W  East  West

1980' feet from S / N (circle one) Line of Section

300' feet from E / W (circle one) Line of Section

Stages Calculated from Nearest Outside Section Corner:

(circle one) NE  NW SW

Lease Name: Packard Well #: 5-23 OWWO - SWD

Field Name: Nurse

Producing Formation: Arbuckle SWD Only

Elevation: Ground: 1562' Kelly Bushing: 1571'

Total Depth: 5090' Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 276' (1962) Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan Re-Entry, 8-31-00  
(Data must be collected from the Reserve Pit) OR.

Chloride content 6900' ppm Fluid volume 646 bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: Bowers

Lease Name: Mac SWD License No.: 5436

Quarter \_\_\_\_\_ Sec. 7 Twp. 32 S. R. 11W  East  West

County: Barber Docket No.: CD-78217

**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 complete and correct to the best of my knowledge.

Signature: Robert W. Packard  
Title: PRESIDENT Date: 7-7-00  
Subscribed and sworn to before me this 7<sup>th</sup> day of July, 2000.  
Notary Public: James B. Alexander  
Date Commission Expires: 3-15-02

**KCC Office Use ONLY**

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

X

Operator Name: Prairie Resources, Inc. Lease Name: Packard Well #: 5-23 OWWO-SWD  
 Sec. 23 Twp. 31 S. R. 13W  East  West County: Barber

**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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  DIL, DC Porosity, SCBL	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Chattanooga Sh</td> <td>4430'</td> <td>-2859'</td> </tr> <tr> <td>Viola lm</td> <td>4448'</td> <td>-2877'</td> </tr> <tr> <td>Simpson Sh</td> <td>4542'</td> <td>-2971'</td> </tr> <tr> <td>Simpson Sd</td> <td>4566'</td> <td>-2995'</td> </tr> <tr> <td>Arbuckle Dol</td> <td>4644'</td> <td>-3073'</td> </tr> <tr> <td>TD in Arbuckle</td> <td>5090'</td> <td>-3516'</td> </tr> </tbody> </table>	Name	Top	Datum	Chattanooga Sh	4430'	-2859'	Viola lm	4448'	-2877'	Simpson Sh	4542'	-2971'	Simpson Sd	4566'	-2995'	Arbuckle Dol	4644'	-3073'	TD in Arbuckle	5090'	-3516'
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TD in Arbuckle	5090'	-3516'																				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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	# Sacs Used	Type and Percent Additives
Surface Existing	Unknown	13 3/8"	Unknown	276'			
Production	7 7/8"	5 1/2"	14.0	4700'	LITE ASC	50 165	5#/sk. Kolseal

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 checked="" type="checkbox"/> Plug Off Zone	4005 - 4008	Common	100	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	Dennis Zone 4005 - 4008	Squeezed W/100 Sx Common C	

TUBING RECORD	Size <u>2 3/8" Lined</u>	Set At <u>4690</u>	Packer At <u>4690</u>	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>N/A Waiting on SWD Approval</u>		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>SWD</u>		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio    Gravity

Disposition of Gas    METHOD OF COMPLETION    Production Interval

Vented     Sold     Used on Lease     Open Hole     Perf.     Dually Comp.     Commingled  
*(If vented, Sumit ACO-18.)*     Other (Specify) \_\_\_\_\_

RECEIVED  
 STATE CORPORATION COMMISSION  
 JUN 11 2000  
 CONSERVATION DIVISION  
 Wichita, Kansas

# ALLIED CEMENTING CO., INC.

4415

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT **ORIGINAL**  
*Medicine Lodge*

DATE <i>6-21-00</i>	SEC. <i>23</i>	TWP. <i>31s</i>	RANGE <i>13w</i>	CALLED OUT <i>2:25 pm</i>	ON LOCATION <i>2:30 pm</i>	JOB START <i>4:00 pm</i>	JOB FINISH <i>6:10 pm</i>
LEASE <i>Packard</i>	WELL# <i>5-23</i>	LOCATION <i>Mingona Corner</i>			COUNTY <i>Barber</i>	STATE <i>KS.</i>	
OLD OR NEW (Circle one)			<i>1w, 1/2w, 1/4w</i>				

CONTRACTOR *Clarke*  
 TYPE OF JOB ~~Squeeze~~  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE *5 7/8* DEPTH \_\_\_\_\_  
 TUBING SIZE *2 7/8* DEPTH *3948*  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX *1500* MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. *4005-08*  
 DISPLACEMENT *15 1/2 Bbls freshwater*

OWNER *Prarie Resources*  
 CEMENT AMOUNT ORDERED  
*100 sx Class A Neat*

EQUIPMENT  
 PUMP TRUCK CEMENTER *Paul Balding*  
 # *261-302* HELPER *Mark B*  
 BULK TRUCK  
 # *301* DRIVER *Dir W.*  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON <i>A 100</i>	@ <i>6.35</i>	<i>635.00</i>
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE _____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <i>100</i>	@ <i>1.05</i>	<i>105.00</i>
MILEAGE <i>100 - MINIMUM</i>	@ _____	<i>100.00</i>

TOTAL \$ *840.00*

REMARKS:

*Perfs 4005-08 DENNIS ZONE*  
*Packer - 3948*  
*Load Annulus - 500 psi, load tubing + take*  
*injection rate 300pm - 900 psi.*  
*Dump 100 sx Class A cement wash pipe*  
*+ lines. Displace with 15 1/2 Bbls freshwater.*  
*Squeeze to 1500 psi, release psi + reverse out.*  
*Pull 2 joints + set packer, pressure tubing to*  
*500 psi + shut in.*

SERVICE

DEPTH OF JOB <i>4005'</i>	_____	_____
PUMP TRUCK CHARGE _____	_____	<i>1080.00</i>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <i>7</i>	@ <i>3.00</i>	<i>21.00</i>
PLUG _____	@ _____	_____
<i>squeeze manifold</i>	@ <i>75.00</i>	<i>75.00</i>
_____	@ _____	_____

TOTAL \$ *1176.00*

CHARGE TO: *Prarie Resources*  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____

TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_  
 TOTAL CHARGE *\$2016.00*  
 DISCOUNT *201.60* IF PAID IN 30 DAYS  
*\$1814.40*

SIGNATURE *Lynn Packard*

*LYNN PACKARD*  
 PRINTED NAME

SQUEEZE  
DENNIS ZONE



# CEMENTING LOG ORIGINAL

Date 5-15-60 District West-Jedre Ticket No. 1491  
 Company Pioneer Resources Rig Duke 4  
 Lease Backard Well No. 5  
 County Ward State KS  
 Location Mingo-Corner Field S-23-SW  
Bar, Winto

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 5 1/2 Type \_\_\_\_\_ Weight 14 Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom 4709

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.244 Lin. ft./Bbl. 40.98  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 0.809 Lin. ft./Bbl. 32.40  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: 500 GAL Mud-clean  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type LS-35-6+3/4  
+ 14 fl-seal Excess \_\_\_\_\_  
 Amt. 50 Sks Yield 1.97 ft<sup>3</sup>/sk Density 12.5 PPG \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type ASC-7-5  
Kol-seal Excess \_\_\_\_\_  
 Amt. 150 Sks Yield 1.57 ft<sup>3</sup>/sk Density 14.5 PPG \_\_\_\_\_  
 WATER: Lead 10.9 gals/sk Tail 22.3 gals/sk Total 38 Bbls

Pump Trucks Used 253-302 Mark G  
 Bulk Equip. 301 Mike R

Float Equip: Manufacturer Cemaco/Weatherford  
 Shoe: Type Locker shoe Depth \_\_\_\_\_  
 Float Type AFU Insert Depth \_\_\_\_\_  
 Centralizers: Quantity 8 Plugs Top Rubber Btm. \_\_\_\_\_  
 Stage Collars 1 Basket  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Freshwater Amt. 115 Bbls Weight 8.34 PPG \_\_\_\_\_  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG \_\_\_\_\_

COMPANY REPRESENTATIVE Herb Ducant

CEMENTER Carl Dalling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						on loc. + Rig up.
4:15						Pipe on bottom, break circulation.
4:15						Drop ball for Locker shoe + circ.
4:45						Drop ball for insert, + circulate.
5:10		300		12	12	5 1/2 Pump 500 Gal Mud-clean.
5:19				17	15	3 1/2 1/2 hr. RT hole with 15 sv lead cement.
5:22		300		24 1/2	17 1/2	5 1/2 Start 50 sv lead cement.
5:25		300		76 1/2	42	6 Start 150 sv tail cement.
5:33						Cement in. Stop pumps.
5:35						Switch valves + wash pump + lines.
5:36						Switch valves + release plugs.
5:38						6 Start Displacement.
						6 Steady rate.
5:45		200		118 1/2	42	6 Mud-clean turn shoe.
5:47		200		130 1/2	12	4 1/2 Cement turn shoe + slow rate.
5:52		400		154 1/2	24	see lift pressure.
		600		176 1/2	22	slow rate.
		800		191 1/2	15	Displacement in.
6:05		1000				Bury plug.
						Flush level.

FINAL DISP. PRESS: 800 PSI BUMP PLUG TO 1000 PSI BLEEDBACK 1/2 BBLs THANK YOU

# ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

1491  
ORIGINAL

REMIT TO: P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*Medicine Lodge*

DATE <i>5-15-00</i>	SEC <i>5</i>	TWP <i>23</i>	RANGE <i>SW</i>	CALLED OUT <i>9:00 pm</i>	ON LOCATION <i>9:30 pm</i>	JOB START <i>5:10 AM</i>	JOB FINISH <i>6:05 AM</i>
LEASE <i>Pickard</i>	WELL # <i>5</i>	LOCATION <i>Mingona Corner</i>		COUNTY <i>Parker</i>	STATE <i>Ks</i>		
OLD OR NEW (Circle one)				<i>New</i>			

CONTRACTOR *Duke #4*  
 TYPE OF JOB *Production*  
 HOLE SIZE *7 7/8* T.D. *5000+*  
 CASING SIZE *5 1/2 x 14"* DEPTH *4709*  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX *1600* MINIMUM *300*  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT *45:35*  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT *115 DBB Freshwater*

OWNER *Prairie Resources*  
 CEMENT  
 AMOUNT ORDERED *500 GAL Mud-clean*  
*150 5x AS + 37 cc + Kt-fo-seal*  
*150 5x ASC + 5" Kt-fo-seal*

**EQUIPMENT**  
 PUMP TRUCK CEMENTER *(A & L Building)*  
 # *233-302* HELPER *Mark B*  
 BULK TRUCK  
 # *301* DRIVER *Mike R*  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

**REMARKS:**

**SERVICE**

*Pipe on bottom, break circulation.*  
*Drop ball for packer slips + circulate.*  
*Drop ball for insert + circulate.*  
*Pump 500 Gal Mud-clean, mix 15'*  
*1/2" cement in bit hole, mix 9' @ 15'*  
*1 3/4" Kt-fo-seal + 150 5x ASC + 5" Kt-fo-seal*  
*wash out pump + lines, + Release shoe*  
*Dip w/ 115 DBB Freshwater, Land plug + Skat-116.*

DEPTH OF JOB *4709*  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 PLUG *Rubber* \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

CHARGE TO: *Prairie Resources*  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

*1- Packer Slips* @ \_\_\_\_\_  
*1- 2 1/2" Insert* @ \_\_\_\_\_  
*3- Centralizers* @ \_\_\_\_\_  
*1- Bucket* @ \_\_\_\_\_  
*1- 1 1/2" x 1 1/2" Kt-fo-seal* @ \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TOTAL \_\_\_\_\_  
 TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE *Herb Durant*

*Herb Durant*  
 PRINTED NAME