

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

Operator: License # 6417Name: Union Pacific Resources CompanyAddress PO Box 7, MS 3006City/State/Zip Fort Worth, TX 76101-0007Purchaser: NorthernOperator Contact Person: Wanda BartellPhone (817) 877-7941Contractor: Name: Post & MartinLicense: 0848Wellsite Geologist: Charles Spradlin, Sr.

Designate Type of Completion

 New Well XXX Re-Entry Workover

<u> </u> Oil	<u> </u> SWD	<u> </u> SLOW	<u> </u> Temp. Abd.
<u>X</u> Gas	<u> </u> ENHR	<u> </u> SIGW	
<u> </u> Dry	<u> </u> Other (Core, WSW, Expl., Cathodic, etc)		

If Workovers:

Operator: BerexcoWell Name: Roth F, #2-9Comp. Date 07/24/95 Old Total Depth 4852'

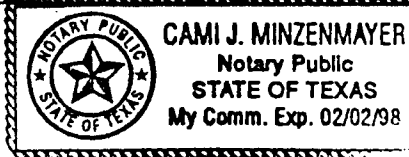
<u> </u> Deepening <u>XXX</u> Re-perf.	<u> </u> Conv. to Inj/SWD
<u>X</u> Plug Back	<u> </u> PBDT
<u> </u> Commingled	Docket No. <u> </u>
<u> </u> Dual Completion	Docket No. <u> </u>
<u> </u> Other (SWD or Inj?)	Docket No. <u> </u>

<u>07/24/95</u>	<u>N/A</u>	<u>09/05/95</u>
<u>REENTRY</u> Date of	Date Reached TD	Completion Date

API NO. 15- 055-214250001County FinneySW - SW - NE - Sec. 9 Twp. 23 S Rge. 34 X W2970 Feet from (S)W (circle one) Line of Section2310 Feet from (E)W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (S), NW or SW (circle one)Lease Name Roth F "OWWO" Well # 2-9Field Name PanomaProducing Formation Council GroveElevation: Ground 2950 KB 8'Total Depth 4852' PBDT 3300'Amount of Surface Pipe Set and Cemented at 1755 FeetMultiple Stage Cementing Collar Used? Yes X NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from feet depth to w/ sx cmt.Drilling Fluid Management Plan REENTRY ALT 1 JH 7-24-96
(Data must be collected from the Reserve Pit)Chloride content ppm Fluid volume bblsDewatering method used Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/WCounty 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 Wanda Bartell /Wanda BartellTitle Regulatory Analyst Date 11/10/95Subscribed and sworn to before me this 10th day of November, 19 95.ry Public Cami J. MinzenmayerDate Commission Expires 02/02/98 Cami Minzenmayer

K.C.C. OFFICE USE ONLY	
F	<input checked="" type="checkbox"/> Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/> Wireline Log Received
C	<input type="checkbox"/> Geologist Report Received
<div style="display: flex; justify-content: space-between;"> <div> RECEIVED KCC KGS NOV 13 1995 </div> <div> Distribution <input checked="" type="checkbox"/> SWD/Rep <input type="checkbox"/> Plug <input type="checkbox"/> NGPA <input type="checkbox"/> Other (Specify) </div> </div>	

Form ACD-1 (7-91)

CONSERVATION DIVISION
WICHITA, KS

SIDE TWO

Operator Name Union Pacific Resources CompanyLease Name Roth FWell # 2-9Sec. 9 Twp. 235 Rge. 34☐ EastCounty Finney☒ 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:

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

Name	Top	Datum
Council Grove	2750'	+212
Toronto	3770'	-808
Lansing	2814'	-852
Marmaton	4270'	-1308
Ft. Scott	4379'	-1417
Cherokee	4390'	-1428
Morrow	4582'	-1620

Density Neutron & Dual Induction

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"	25#	1755'	Premium Plus Halco Lite	150 500	2% cc 2% CL
Intermediate	7 7/8"	5 1/2"	14#	3297'	Premium & 50/50 POZ	200 250	2% gel

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 checked="" type="checkbox"/> Plug Back TD	3300 - 3537	Premium	100	
<input type="checkbox"/> 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
2SPF	2868'-2870' & 2886'-2896'	Acidized w/ 1500 gallons 15% HCL	
2SPF	2750'-2760' & 2810'-2816'	Acidized w/ 2000 gallons 15% HCL	
		FRAC w/ 140,000 10/20 Silica Sand	
		44,000 gallons I30 gelled water.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2932.79		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
11/14/95 (estimate)	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		200	50		

Disposition of Gas: METHOD OF COMPLETION Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2750'-2896'
☐ Other (Specify) _____