

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

ORIGINAL

API NO. 15- 093-20951-00-0/

County Kearny

SE - NE - SE - Sec. 13 Twp. 24S Rge. 35 X E

Operator: License # 06417

Name: Union Pacific Resources Company

Address P.O. Box 7 MS 3407

City/State/Zip Fort Worth, TX 76101-0007

Purchaser: N/A

Operator Contact Person: Cami Minzenmayer

Phone (817) 877-6530

Contractor: Name: Post & Mastin Well Service, Inc.

License: _____

Wellsite Geologist: N/A

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIGW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Union Pacific Resources Company

Well Name: C.R. Fischer D 2-13

Comp. Date 12-14-88 old Total Depth 5000'

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11-22-93 12-08-93
Spud Date Date Reached TD Completion Date

1800' Feet from (S)W (circle one) Line of Section
600' 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 C.R. Fischer "D" Well # 2-13

Field Name Deerfield

Disposal Formation Glorietta

Elevation: Ground 2932' KB 2940'

Total Depth 5000' PBTB 1540'

Amount of Surface Pipe Set and Cemented at 928 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan 3-10-94
(Data must be collected from the Reserve Pit) CB
N/A

Chloride content _____ ppb _____ bbls

Dewatering method used _____

Location of fluid disposal hauling _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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DEC 16 1993
CONSERVATION DIVISION
WICHITA, KS

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.

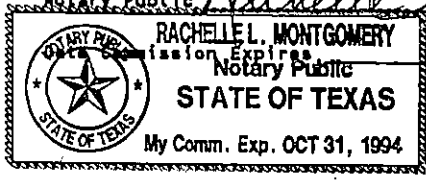
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Cami Minzenmayer

Title Regulatory Analyst Date 12-14-93

Subscribed and sworn to before me this 15th day of December 19 93.

Notary Public Rachelle L. Montgomery
10-31-94



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)

Operator Name Union Pacific Resources Company Lease Name C.R. Fischer D Well # 2-13
 Sec. 13 Twp. 24S Rge. 35 East County Kearny
 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 No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 Glorietta 1410' - 1460'
 1470' - 1502'

* Same As Original Completion **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

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	1110	Premium Plus	180	w/2% CaCl
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	1622	Premium Plus	233	

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
82 shots Total	1410' - 1460'; 1470' - 1502'	
	CIBP @ 4502' 2sxs. cmt.	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	1355'	1355'	
Date of First, Resumed Production, (SWD or Inj.)	12-09-93	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)	Disposal	
Estimated Production Per 24 Hours	Oil N/A	Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: N/A
 Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) SWD Conversion
 Disposal Production Interval
 1410'-1460'
 1470'-1502'

Fischer D2-13
Deerfield
Kearny County, KS

15-093-20951-0001

ORIGINAL

Completion 12-8-93

Cement Top 110'

8 5/8 set 928
Squeezed Perfs
180 Sacks Cement 1110

0 - 1355 2-3/8" OD TBG

PVC Coated

RETRV. PACKER @ 1355

1410 - 1460' PERFS

Glorietta

1470 - 1502' PERFS

233 Sacks
Retainer 1590
Squeezed Perfs
1622
CIBP @ 1632

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2 Sacks Cement
CIBP @ 4502

4992 - 4998 PERFS

NE ELEV: 2940'

Kansas City - Lansing

TD: 5000'

JOB LOG FORM 2013 R-4

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
U.P.R.C.		02-13		CR Fischer		667		648083	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	07.00							Called out ORIGINAL	
	12.00							on loc.	
	13.00							Requested on loc	
								ATLAS on loc Running log	
								Finish Logging Run in + shoot	
								perf 1622'	
								Set CIB Pat 1632'	
								Set EZSV at 1590' on wiring	
	16.00							Start Tbg in Hole	
	16.30							Shut Down To Night	
	04.00							called out 11-24-93	
	07.00							on loc	
	08.00							Requested on loc	
	08.10							Pump Truck on loc	
	08.15							Set up Truck	
	09.15	2	41			200		CIR csg w/ BAINE H2O CLEANOUT OIL	
	09.37	2	17	✓		1000		String into EZSV TRY TO BREAK CIR NO	
	09.54	1/2	25		✓		1000	Hook up to 8 7/8 Tbg TO BREAK CIR NO	
	10.31	1/2	15	✓		1000		Hook up to Tbg Again TO BREAK CIR AGAIN NO	
	10.50				✓		500	Load BS	
	10.54							Mix CMT	
	10.58	1	170	✓		1000		Pump CMT	
	11.12			✓		2300		Finish Pumping	
	11.12			✓				Start Flush	
	11.30	1/2	17	✓		2300		Finish Disp & over Disp	
	11.35							Red Red out	
	11.40							SHUT DOWN	
								used 75 SK CMT	
								SHUT DOWN for 4hr.	

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JOB LOG FORM 2013 R-4

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Union Pacific Res. Co.	D2-13	C.A. FISHER	667	648084

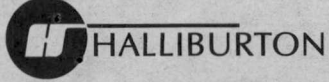
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1530			✓				String into EZSV
	1537	2½	7	✓		1450		Take injection Route
	1550							mix cmt
	15.53	2		✓		900		pump cmt
	16.19	2	42	✓		1700		Finish pumping cmt
	16.19							Wash Truck out To PIT
	16.24	½		✓		600		START DISP
	1632	½	2	✓		1500		SHUT DOWN
	1633			✓				Release PSI Holding
	16.35			✓		1500		PSI up well Squeeze off
	16.38		15					Pull out of EZSV & Rev. out
								CIR 20¼ SK TOPIT
	16.48							Finish Rev. out Job over
								used 179 SK cmt on 2nd TRY
								75 SK
								254 SK used
								Return 96 SK To Hugo on

Thank you
 Halliburton
 (with initials)

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 WICHITA, KS



JOB SUMMARY

HALLIBURTON DIVISION OKL. City OKL
 HALLIBURTON LOCATION Liberal

15-093-20951-0001
 BILLED ON TICKET NO. 648083

CUSTOMER Union Pacific Resources Co.
 LEASE CR Fisher
 WELL NO. D-2-13
 JOB TYPE 667
 DATE 11-23-93

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY FINNEY STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS 1 FROM _____ TO 1622

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE EZSV SET AT 1590

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH CIBP 1632

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	u		5 1/2	KB	1632	
LINER						
TUBING	u	4.7	2 3/8	KB	1590	
OPEN HOLE						SHOTS/FT.
PERFORATIONS					1622	
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER <u>EZSV 5 1/2</u>	<u>1</u>	<u>Hawco</u>
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-23-93</u>	DATE <u>11-23-93</u>	DATE <u>11-23-93</u>	DATE <u>11-23-93</u>
TIME <u>07:00</u>	TIME <u>12:00</u>	TIME <u>09:15</u>	TIME <u>16:48</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Armstrong</u> <u>44904</u>	<u>40090</u>	<u>Liberal KS</u>
<u>POYER</u> <u>48120</u>	<u>26900</u>	<u>11 11</u>
<u>CORPENING</u> <u>62728</u>	<u>6610</u> <u>3626</u>	<u>Huyton</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API

DISPL. FLUID _____ DENSITY _____ LB./GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Tool

DESCRIPTION OF JOB Run EZSV To Cement

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>2015</u>	<u>Premium Plus</u>		<u>B</u>	<u>29001 1/2 # F10.</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 17/2

SHUT-IN: INSTANT _____ HYDRAULIC HORSEPOWER _____ CEMENT SLURRY: BBL.-GAL. 58.34 17.6 42

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL.-GAL. 18

AVERAGE RATES DEQ 16 1993

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

REMARKS _____

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JOB LOG FORM 2013 R-4

DATE: 11-30-93 PAGE NO. 1

CUSTOMER: C.P.R.C. WELL NO.: D2-13 LEASE: CR Fischer JOB TYPE: Recement TICKET NO.: 549248

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0730							ORIGINAL
	0815							
	1050							
	1109	3	18			300		Called out 0730 Ready at 1000 mechanic had to repair truck on location
	1110	7	30 Total			800		Load Hole
	1118							INS Rate
	1230	3.5	500 Gal			250		wait for Bulk Truck - Pump mvd Flush
	1234		123 BBL			200		mix cement 180 SKS
	1244							Drop Plug
	1247	2				0		Start DISP
		1	6			77		Slow Rate
		1	26 Total			300		shut in well
								Dionot Circulate Cement.
								Job complete Thank you for calling Halliburton.
								Bill Jankin and Crew.

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 WICHITA, KS

CUSTOMER: VPRC
LEASE: CR Fischer
WELL NO: D-9-13
JOB TYPE: Recement
DATE: 1-30-93

WELL DATA

FIELD _____ SEC. 13 TWP. 24S RNG. 35W COUNTY Leahey STATE KS

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	14	5 1/2	GL	1110	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS			ORIGINAL		1110	
PERFORATIONS						
PERFORATIONS						

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1-30-93	DATE 1-30-93	DATE 1-30-93	DATE 1-30-93
TIME 0730	TIME 1050	TIME 1109	TIME 1400

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>5W</u>	<u>1</u>	<u>Howco</u>
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Bill Sauber 64781	P4 40048	Liberal
D. Fierce 137106	15 TCH 5271-71900	Liberal
J. Armstrong 44904	P4	Liberal
D. McIntyre 09704	Bulk 5303	Hugoton

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API _____
 DISPL. FLUID _____ DENSITY _____ LB./GAL. °API _____
 PROP. TYPE _____ SIZE _____ LB. _____
 ACID TYPE _____ GAL. _____ % _____
 ACID TYPE _____ GAL. _____ % _____
 ACID TYPE _____ GAL. _____ % _____
 SURFACTANT TYPE _____ IN _____
 NE AGENT TYPE _____ GAL. _____ IN _____
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____
 BREAKER TYPE _____ GAL. _____ IN _____
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT Cement
 DESCRIPTION OF JOB Re Cement well through PERFS
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X Roy & Case
 HALLIBURTON OPERATOR Bill Sauber COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	180	Prem Plus		B	2%CC	130	14.8

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 500 TYPE midflush
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 25.8
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 110.3
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 30 REASON Requested

RAMARKS