

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

Operator: License # 3581
Name: Red Oak Energy, Inc.
Address 200 W. Douglas
Suite 510
City/State/Zip Wichita, KS 67202
Purchaser: _____
Operator Contact Person: Kevin C. Davis
Phone (316) 265-9925
Contractor: Name: Abercrombie RTD, Inc.
License: 30684
Wellsite Geologist: Scott Banks

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD S1OW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: NOV 1 1996
Well Name: _____
Comp. Date _____ Old Total Depth _____
Deepening _____ Re-perf. _____ Conv. to Inj/SWD
Plug Back _____ PSTD
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) Docket No. _____
7/6/95 7/14/95 7/17/95
Spud Date Date Reached TD Completion Date

API NO. 15- 199-20, 230 ⁰⁰⁻⁸⁰
County Wallace
NW SW NE Sec. 32 Twp. 15S Rge. 41 ^E _X ^W
1650 Feet from (N) (circle one) Line of Section
2323 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 Kuder "A" Well # 1-32
Field Name Wildcat
Producing Formation Mississippian
Elevation: Ground 3775' KB 3780'
Total Depth 5241' PSTD 5205'
Amount of Surface Pipe Set and Cemented at 280 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1936 Feet
If Alternate II completion, cement circulated from 1936
feet depth to Surface w/ 285 sx cmt.

Drilling Fluid Management Plan ALT 2 J 10-16-95
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Decontaining method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name KCC
Lease Name STATE CORPORATION COMMISSION
OCT 1 2 Quarter Sec. _____ Twp. 15S Rge. 41 ^E _X ^W
County WALLACE Docket No. 10-13-95
CONSERVATION DIVISION

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 Kevin C. Davis
Title President Date 10/12/95
Subscribed and sworn to before me this 12th day of October
19 95
Notary Public Victoria Davis
Date Commission Expires October 21, 1997

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
KCC _____ SWD/Rep _____ NGPA _____
Plug _____ Other _____ (Specify)
VICTORIA DAVIS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10/21/97

Operator Name Red Oak Energy, Inc.

Lease Name Kuder "A"

Well # 1-32

Sec. 32 Twp. 15S Rge. 41

East

County Wallace

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:

CDN - DIL-
Cement Bond Log

Name	Top	Datum
Base Anhydrite	2768	+1037
Heebner	4114	- 309
Lansing	4224	- 419
Marmaton	4538	- 733
Cherokee	4735	- 930
Morrow Shale	4972	-1167
Upper Morrow Sd	4998	-1193
Lower Morrow Sd	5074	-1269
Morrow Lime	5094	-1289
Mississippian	5158	-1353

CASING RECORD <input type="checkbox"/> New <input checked="" 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	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	28#	280'	60/40 pos	240	2% gel, 3% CC
Production	7 7/8"	5 1/2"	15.5#	5239	Hal. Premium	175	3% KCL

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	Surf 1936	Midcon Premium	210		
<input type="checkbox"/> Plug Back TD		Premium	75	2nd Stage .25 pps Flocele	
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge-Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	5058 - 60'		Squeeze w/50 sx Class A	5058-60
4	5046 - 50' - Set CIBP 5040'		Treat w/560 gal Acid	5046-50
4	4976 - 4986		Frac w/105 sx, 20-40 sand w/ 9000 gal diesel	4976-4986

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 1/2	4963	None	

Date of First, Resumed Production, SWD or Inj. 9/5/95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas TSTM Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	45				38

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 _____

ORIGINAL

DRILL-STEM TEST DATA
15-199-20230-00-00

Well Name: KUDER #A1-32
Company : RED OAK ENERGY INC
Location - Sec: 32 Twp: 15S
County: WALLACE State: KS
Date: 07/15/95

KCC
OCT 12
CONFIDENTIAL

Rge: 41W

RELEASED

NOV 1 1996

FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Red Oak Energy, Inc.

DATE 7-15-95

WELL NAME: Kuder #A1-32

KB 3780.00 ft

TICKET NO: 7976

DST #1

LOCATION : 32-15S-32W, Wallace, KS

GR 3775.00 ft

FORMATION: Morrow

INTERVAL : 4920.00 To 5240.00 ft

TD 5240.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	ALPINE			PF Fr. 30 to hr
SI 45 Range(Psi)	4700.0	4700.0	4995.0	0.0	0.0	IS Fr. 45 to hr
SF 45 Clock(hrs)	17640	17640				SF Fr. 45 to hr
FS 60 Depth(ft)	5235.0	5235.0	4922.0	0.0	0.0	FS Fr. to 1 hr

	Field	1	2	3	4	
A. Init Hydro	2617.0	2612.0	2521.0	0.0	0.0	T STARTED 2230 hr
B. First Flow	650.0	669.0	499.0	0.0	0.0	T ON BOTM 0056 hr
B1. Final Flow	854.0	878.0	749.0	0.0	0.0	T OPEN 0059 hr
C. In Shut-in	877.0	884.0	757.0	0.0	0.0	T PULLED 0400 hr
D. Init Flow	650.0	670.0	523.0	0.0	0.0	T OUT 0700 hr
E. Final Flow	866.0	883.0	742.0	0.0	0.0	
F. Fl Shut-in	866.0	890.0	750.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2417.0	2400.0	2274.0	0.0	0.0	Tool Wt. 3000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 64000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.70 in
						D.C. Length 248.00 ft
						D.P. Length 4669.00 ft

RECOVERY

Tot Fluid 1670.00 ft of 248.00 ft in DC and 1422.00 ft in DP
 140.00 ft of Gassy Mud 30% gas Trc.oil 70% mud
 90.00 ft of Gassy Oil Cut Mud 10% gas 5% oil 85% mud
 90.00 ft of Gassy Oil Cut Mud 10% gas 40% oil 50% mud
 275.00 ft of Gassy Oily H2O Cut Mud 25%g 10%o 20%w 45%
 280.00 ft of Hvy Gassy Oily Mud Cut H2O 45%g 5%o 35%w 15%
 90.00 ft of Gassy Oily Mud Cut H2O 20%g 10%o 50%w 20%
 185.00 ft of Hvy Gassy Oil Cut H2O 45%gas 5%oil 50%water
 520.00 ft of Gassy Water 10% gas 90% water
 SALINITY 20000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	8.30 lb/cf
Vis.	57.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	145.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Scott Banks
Contr.	Abercrombie
Rig #	#5
Unit #	
Pump T.	

BLOW DESCRIPTION

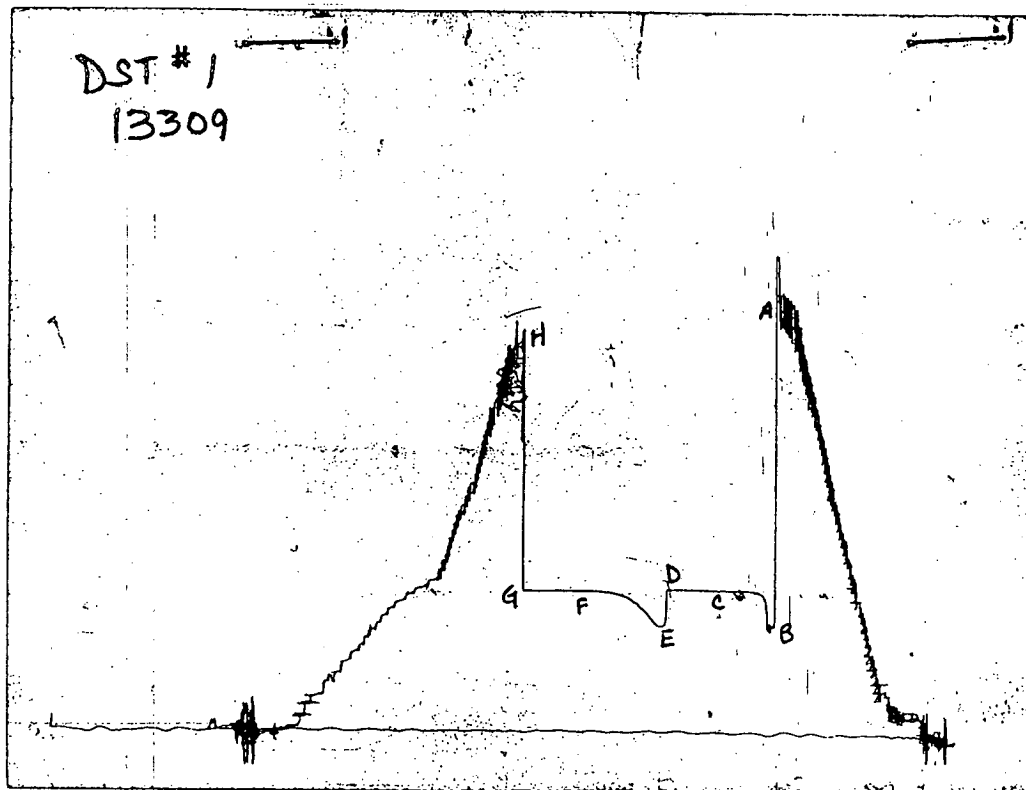
Initial Blow -
 Strong blow off bottom in 1 1/2 mins.
 Initial Shutin -
 Bled off blow - surface return
 built to 1" then died @ final of
 period
 Final Blow -
 Strong return off bottom in 1 min.
 Gas to Surface @ 16 mins, gas does
 burn blue flame if held to it
 Final Shutin -
 Bled off blow - weak surface blow
 built to 8"

KCC
 OCT 12
 CONFIDENTIAL

SAMPLES:
 SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

12-14-1968 11-21

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

T: 7976 DST #1 Kuder #A1-32 Red Oak Energy
 E: 07/14/95

TIME: 21:30:41

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
** Initial Hydro.	128.00	2521.4	0.0	123.62		
** Start Flow 1	0.00	499.4	0.0	131.18		
	2.00	523.8	24.3	132.44		
	4.00	542.0	42.6	133.88		
	6.00	608.6	109.2	135.14		
	8.00	734.6	235.2	136.40		
	10.00	743.3	243.9	137.12		
	12.00	746.3	246.8	137.66		
	14.00	747.9	248.4	138.02		
	16.00	748.7	249.3	138.20		
*** End Flow 1	18.00	749.2	249.8	138.20		
*** Start Shutin 1	0.00	749.2	0.0	138.20	0.0000	0.561
	2.00	750.1	0.8	138.38	10.0000	0.563
	4.00	750.6	1.4	138.38	5.5000	0.563
	6.00	750.8	1.6	138.38	4.0000	0.564
	8.00	751.1	1.8	138.38	3.2500	0.564
	10.00	751.1	1.9	138.38	2.8000	0.564
	12.00	751.5	2.3	138.38	2.5000	0.565
	14.00	751.7	2.5	138.38	2.2857	0.565
	16.00	751.6	2.4	138.38	2.1250	0.565
	18.00	752.1	2.9	138.38	2.0000	0.566
	20.00	752.1	2.9	138.38	1.9000	0.566
	22.00	752.5	3.3	138.38	1.8182	0.566
	24.00	752.8	3.6	138.38	1.7500	0.567
	26.00	752.7	3.5	138.38	1.6923	0.567
	28.00	753.6	4.4	138.38	1.6429	0.568
	30.00	753.1	3.9	138.38	1.6000	0.567
	32.00	753.2	3.9	138.38	1.5625	0.567
	34.00	753.6	4.4	138.38	1.5294	0.568
	36.00	753.7	4.5	138.38	1.5000	0.568
	38.00	754.3	5.1	138.38	1.4737	0.569
	40.00	754.5	5.3	138.38	1.4500	0.569
	42.00	754.8	5.5	138.38	1.4286	0.570
	44.00	754.8	5.6	138.56	1.4091	0.570
	46.00	755.0	5.8	138.56	1.3913	0.570
	48.00	755.0	5.8	138.56	1.3750	0.570
	50.00	755.3	6.1	138.56	1.3600	0.571
	52.00	755.5	6.3	138.56	1.3462	0.571
	54.00	756.0	6.8	138.56	1.3333	0.572
	56.00	756.3	7.1	138.56	1.3214	0.572
	58.00	756.7	7.5	138.56	1.3103	0.573
**** End Shut-in 1	60.00	756.9	7.7	138.56	1.3000	0.573
**** Start Flow 2	0.00	522.9	0.0	138.56		
	2.00	513.1	-9.8	138.74		
	4.00	525.2	2.3	139.10		
	6.00	548.9	25.9	139.82		
	8.00	573.6	50.7	140.72		
	10.00	596.9	73.9	141.62		
	12.00	618.4	95.4	142.52		
	14.00	637.4	114.5	143.42		
	16.00	655.1	132.2	144.14		

05-00-00128-RR-21

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7976 DST #1 Kuder #A1-32 Red Oak Energy

DATE: 07/14/95

TIME: 21:30:41

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	18.00	671.5	148.6	144.68		
	20.00	684.4	161.5	145.22		
	22.00	696.8	173.8	145.40		
	24.00	707.6	184.6	145.76		
	26.00	715.8	192.9	145.94		
	28.00	722.9	200.0	145.94		
	30.00	728.5	205.5	145.94		
	32.00	732.9	210.0	145.94		
	34.00	736.5	213.6	145.94		
	36.00	739.1	216.2	145.94		
	38.00	740.9	218.0	145.94		
***** End Flow 2	40.00	742.4	219.5	145.76		
***** Start Shutin 2	0.00	742.4	0.0	145.76	0.0000	0.551
	2.00	745.4	3.0	145.76	30.0000	0.556
	4.00	746.2	3.8	145.58	15.5000	0.557
	6.00	746.6	4.2	145.58	10.6667	0.557
	8.00	746.8	4.4	145.40	8.2500	0.558
	10.00	746.9	4.5	145.40	6.8000	0.558
	12.00	747.3	4.9	145.22	5.8333	0.558
	14.00	747.4	5.0	145.22	5.1429	0.559
	16.00	747.6	5.2	145.22	4.6250	0.559
	18.00	747.8	5.4	145.04	4.2222	0.559
	20.00	748.2	5.8	145.04	3.9000	0.560
	22.00	748.1	5.7	145.04	3.6364	0.560
	24.00	748.3	5.9	144.86	3.4167	0.560
	26.00	748.4	6.0	144.86	3.2308	0.560
	28.00	748.5	6.0	144.86	3.0714	0.560
	30.00	748.5	6.1	144.86	2.9333	0.560
	32.00	748.6	6.2	144.86	2.8125	0.560
	34.00	748.6	6.2	144.68	2.7059	0.560
	36.00	748.9	6.5	144.68	2.6111	0.561
	38.00	749.0	6.5	144.68	2.5263	0.561
	40.00	749.2	6.8	144.68	2.4500	0.561
	42.00	749.3	6.9	144.68	2.3810	0.561
	44.00	749.3	6.9	144.50	2.3182	0.561
	46.00	749.5	7.1	144.50	2.2609	0.562
	48.00	749.6	7.2	144.50	2.2083	0.562
	50.00	749.6	7.1	144.50	2.1600	0.562
	52.00	749.9	7.5	144.50	2.1154	0.562
	54.00	749.8	7.4	144.32	2.0741	0.562
	56.00	750.0	7.6	144.32	2.0357	0.562
	58.00	750.0	7.6	144.32	2.0000	0.562
	60.00	750.0	7.6	144.14	1.9667	0.562
***** End Shut-in 2	62.00	750.1	7.7	144.14	1.9355	0.563
***** Final Hydro.	324.00	2273.9	0.0	144.14		

GAS RECOVERY

15-199-20230-00-00

COMPANY: Red Oak Energy, Inc.

DATE: 7-15-95

WELL NAME: Kuder #A1-32

KB Elev: 3780.00 ft TICKET #7976

DST #1

WELL LOCATION: 32-15S-32W, Wallace, KS

GR Elev: 3775.00 ft FORMATION: Morrow

INTERVAL Fr.: 4920.00 To 5240.00 T.D.: 5240.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Gauge

***** GAS RATES FOR FLOW #2

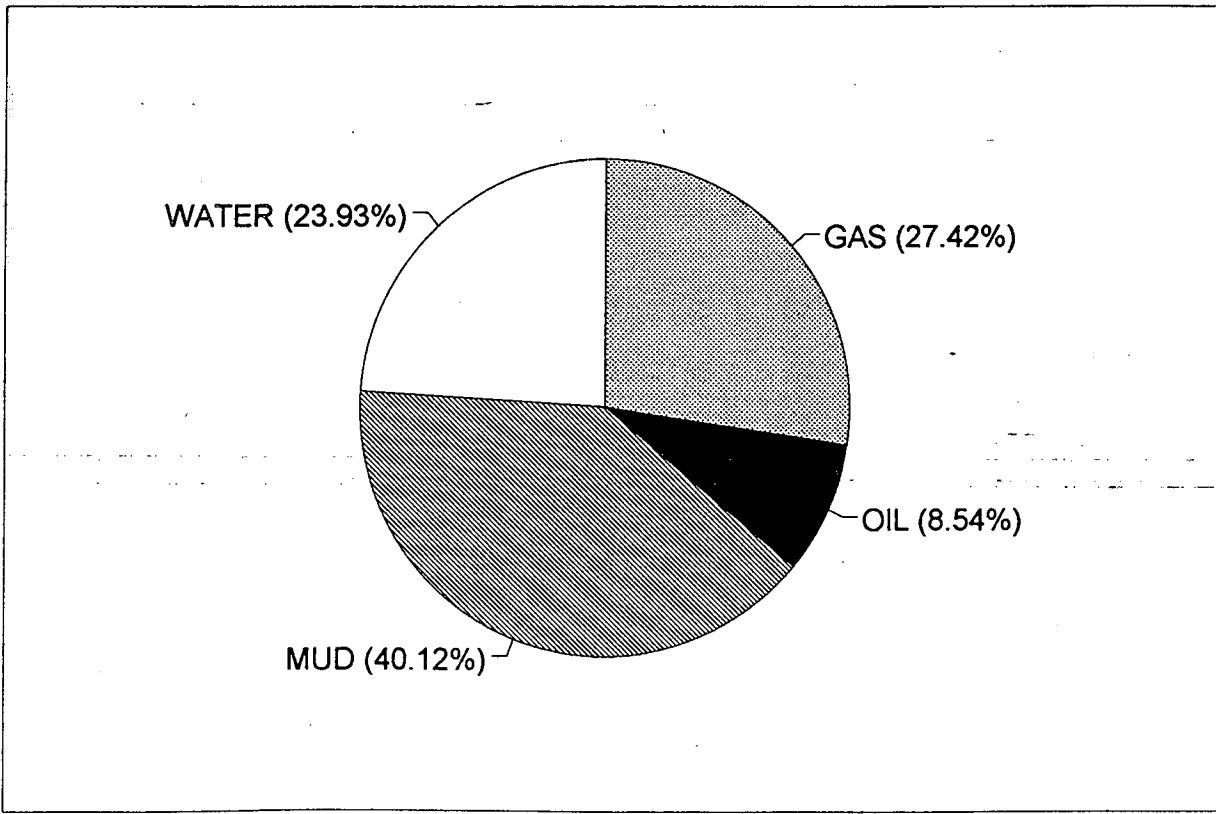
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.38	0	12	12.4
10	0.38	0	36	21.3
15	0.38	0	50	25.2
16	0.38	0	35	21.0
20	0.38	0	26	18.1
25	0.38	0	12	12.4
30	0.25	0	10	5.3
35	0.25	0	10	5.3
40	0.25	0	6	4.1
45	0.25	0	2	2.4

CALCULATED RECOVERY ANALYSIS

DST# - 010205 - 1117-1

TICKET # 7976

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL PIPE									
1	140	30	42		0		0	70	98
2	90	10	9	5	4.5		0	85	76.5
3	90	10	9	40	36		0	50	45
4	275	25	68.75	10	27.5	20	55	45	123.75
5	280	45	126	5	14	35	98	15	42
6	90	20	18	10	9	50	45	20	18
7	185	45	83.25	5	9.25	50	-92.5		0
8	272	10	27.2		0	90	244.8		0
WEIGHT PIPE									
1			0		0		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRL COLLAR									
1	248	10	24.8		0	90	223.2		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	1670	24.43114	408	6.002994	100.25	45.41916	758.5	24.14671	403.25
		HRS OPE		BBL/DAY					
BBL OIL=	1.16604	*	1.25	22.38797					
BBL WATER=	3.267108	*		62.72847					
BBL MUD=	5.478255								
BBL GAS =	3.743817								

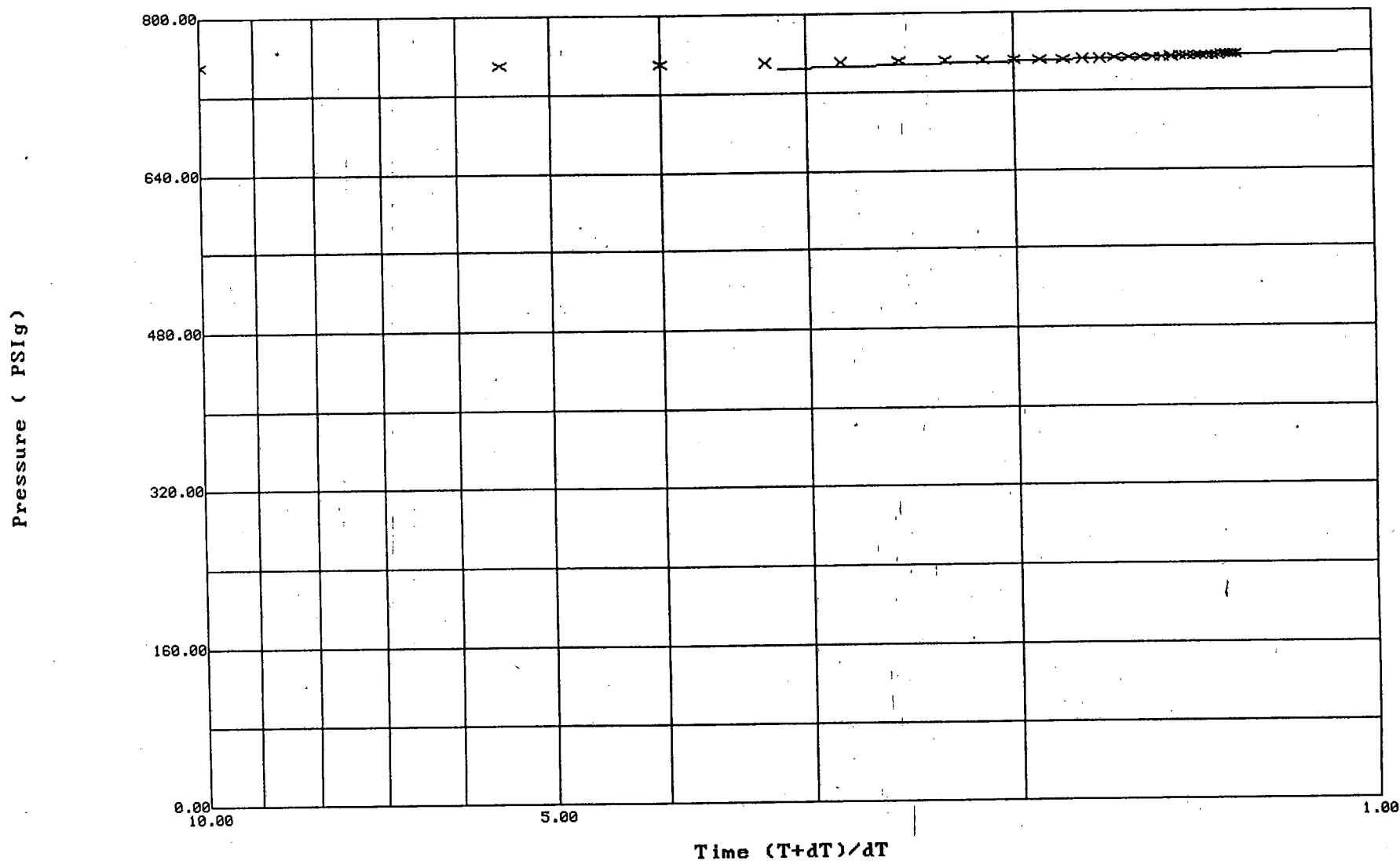


Horner Plot: shut-in #1

7976 DST #1 Kuder #A1-32 Red Oak Energy

Slope: 29.1895 PSig/cycle

Ext. Pressure: 759.4282 PSig



15-199-20230-00-00

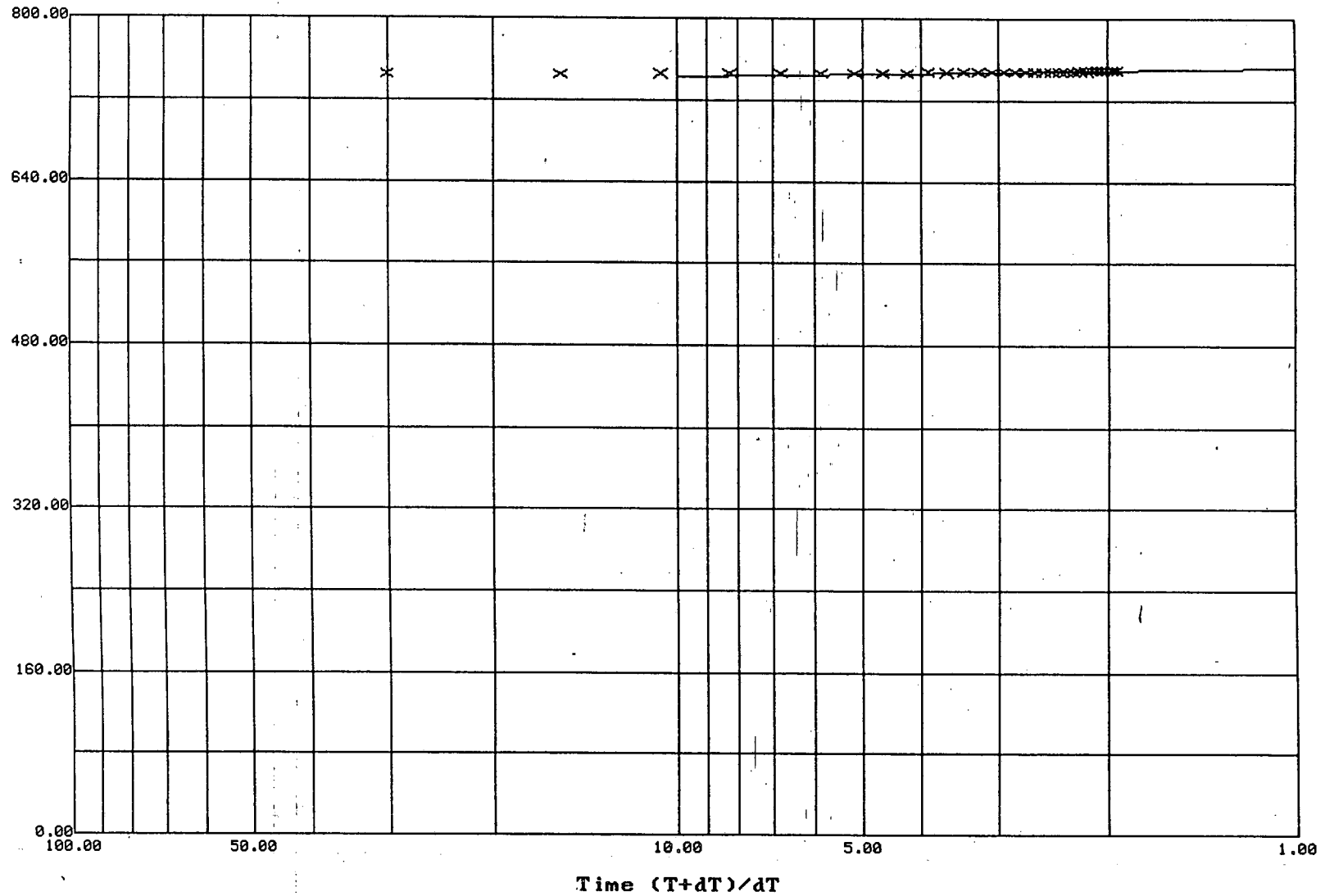
Horner Plot: shut-in #2

7976 DST #1 Kuder #A1-32 Red Oak Energy

Slope: 9.8079 PSig/cycle

Ext. Pressure: 752.9420 PSig

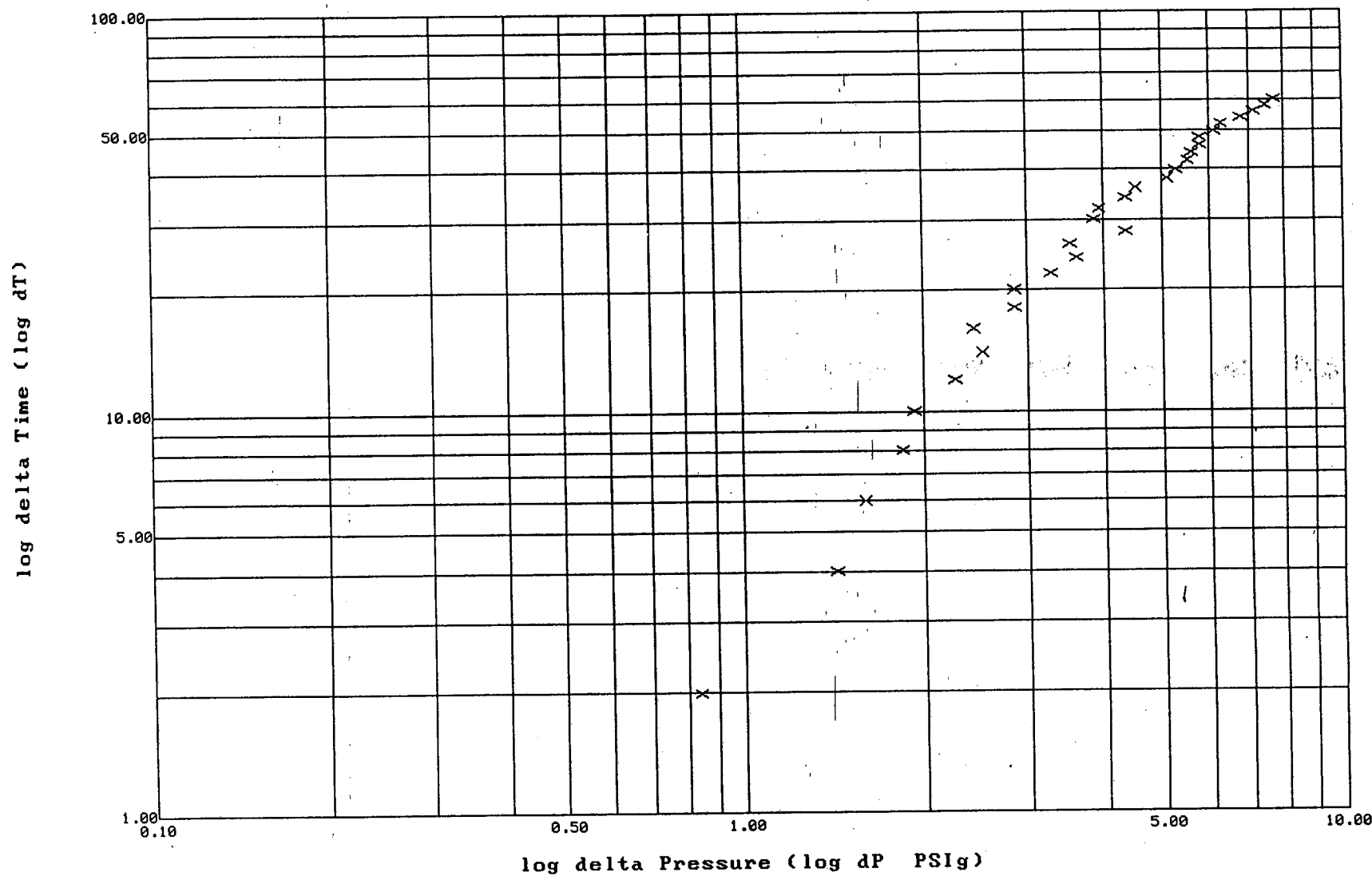
Pressure (PSig)



12-14-90 130-00-00

McKinley Plot: shut-in #1

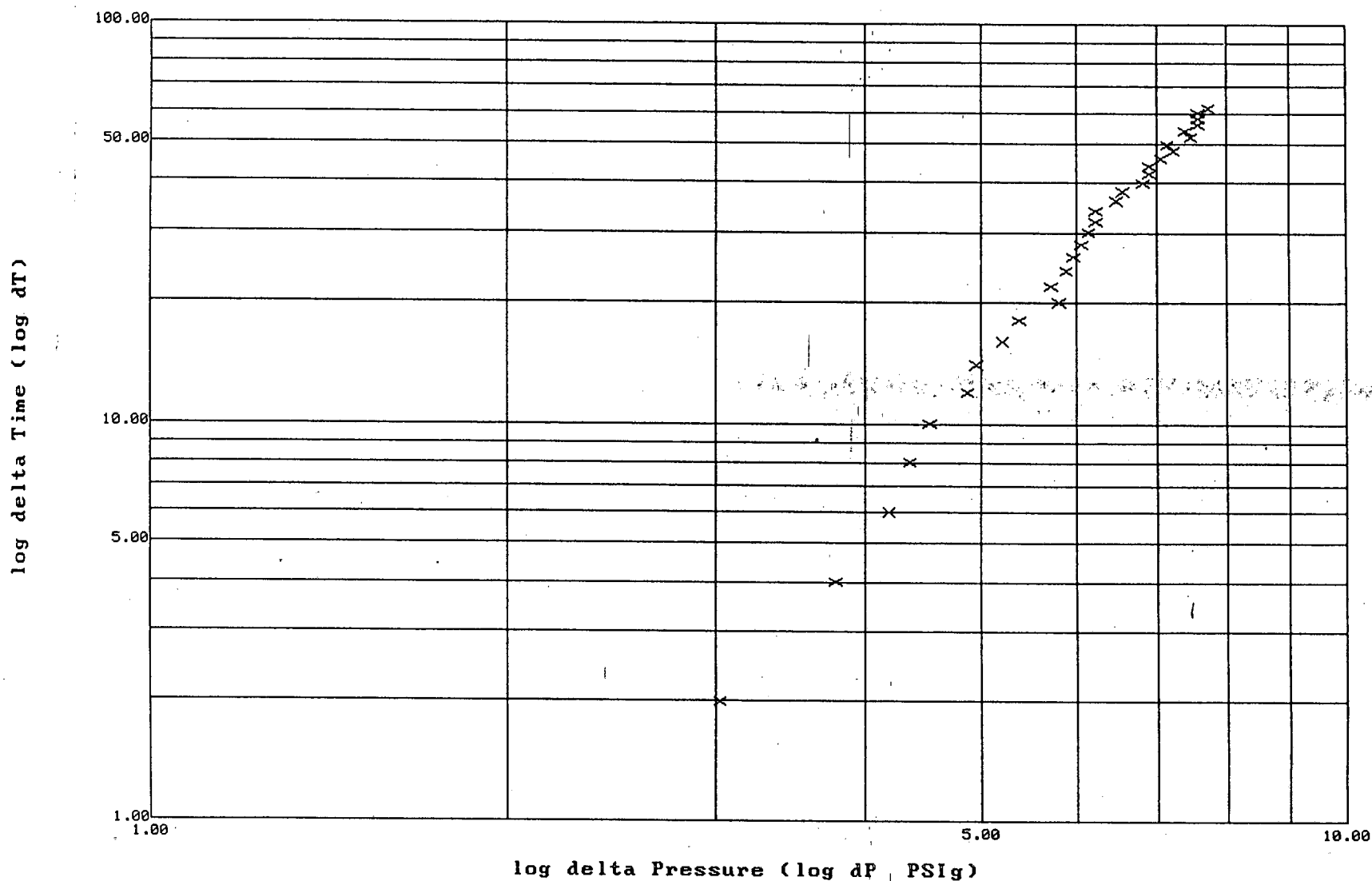
7976 DST #1 Kuder #A1-32 Red Oak Energy



15-199-20230-00-00

McKinley Plot: shut-in #2

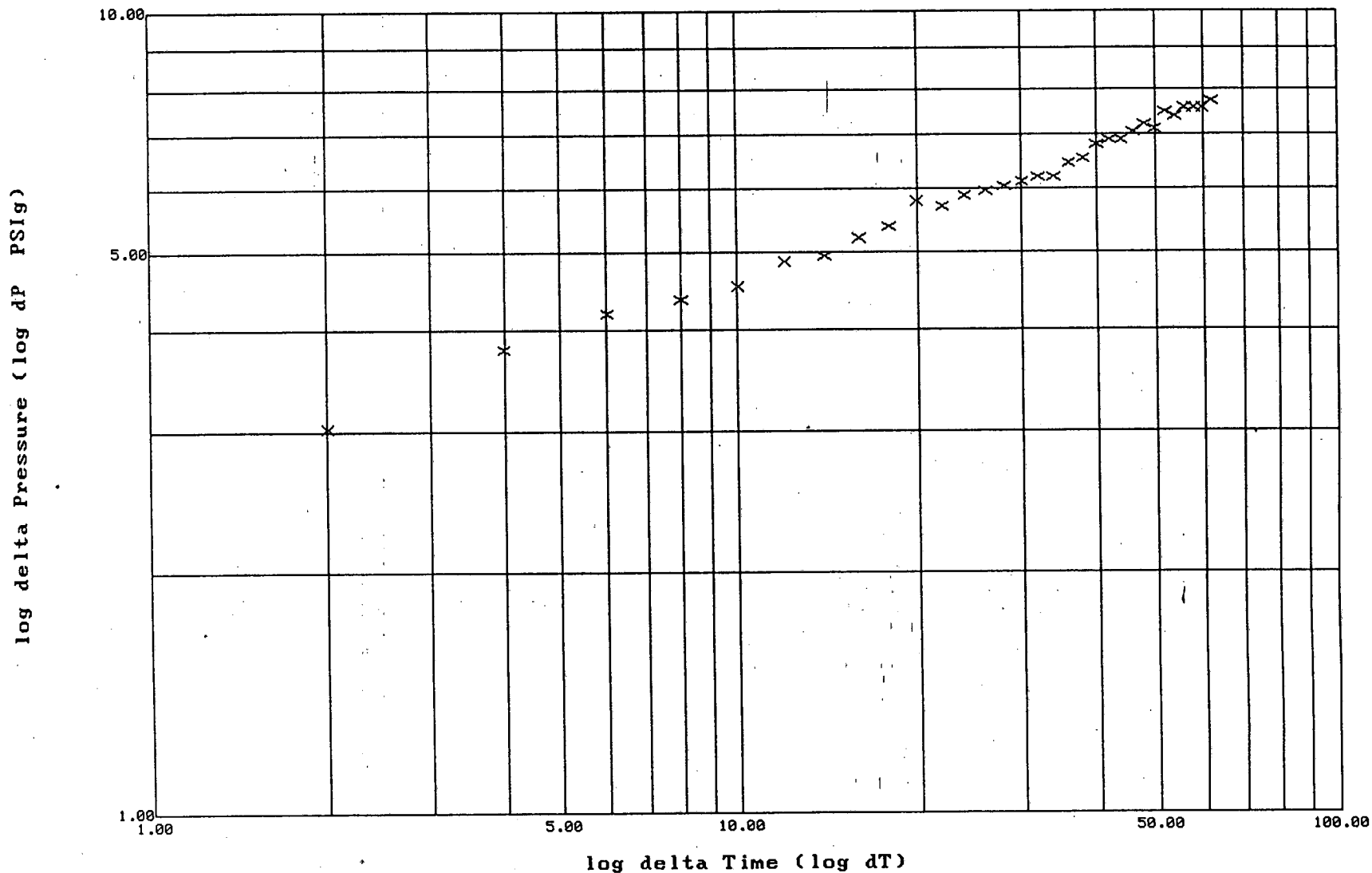
7976 DST #1 Kuder #A1-32 Red Oak Energy



12-14-80-00-00

Ramey Plot: shut-in #2

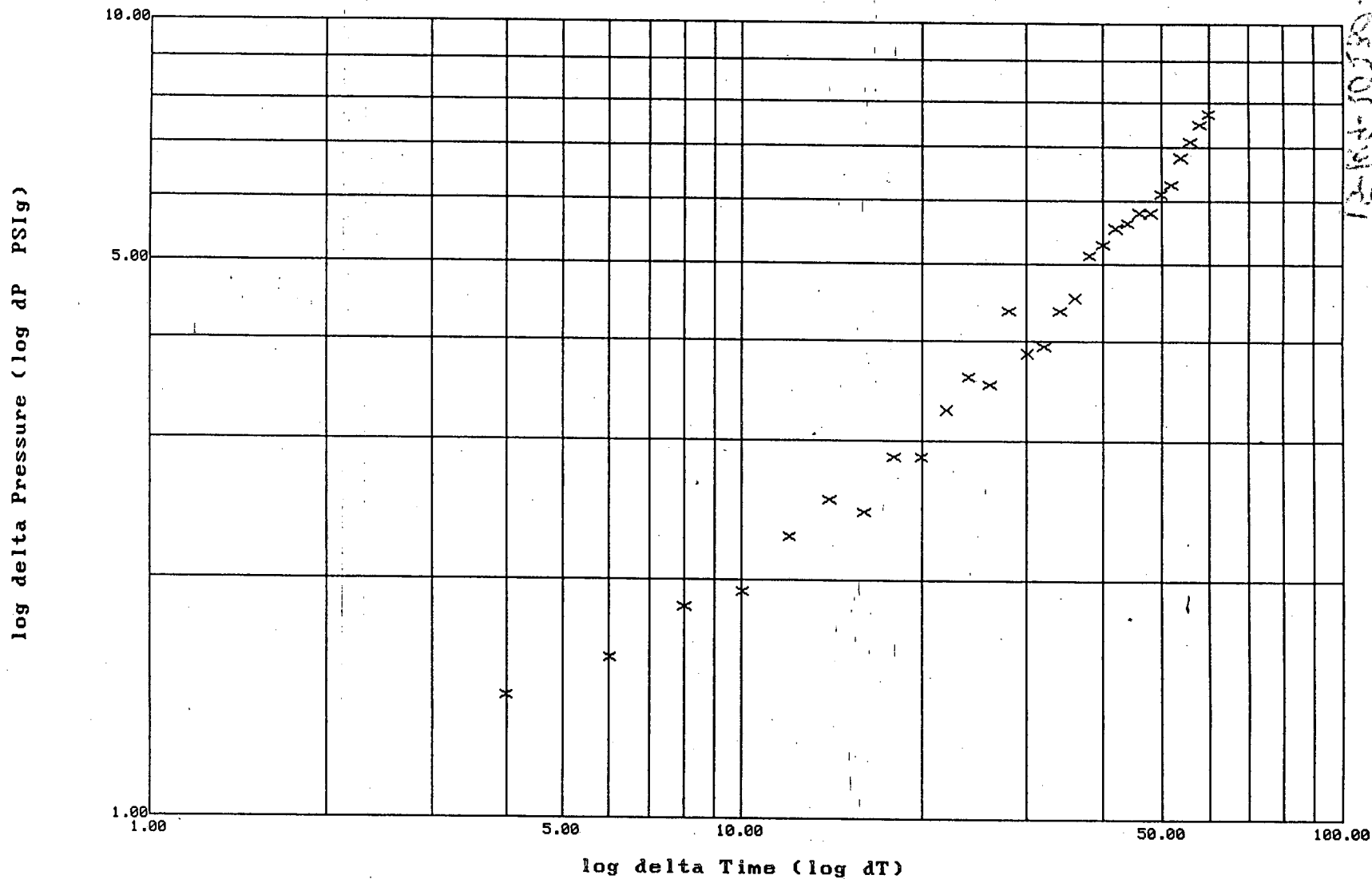
7976 DST #1 Kuder #A1-32 Red Oak Energy



15-149-20230-00-00

Ramey Plot: shut-in #1

7976 DST #1 Kuder #A1-32 Red Oak Energy



TRILOBITE TESTING L.L.C.

OPERATOR : Red Oak Energy, Inc.
 WELL NAME: Kuder #A1-32
 LOCATION : 32-15S-41W, Wallace, KS
 INTERVAL : 4924.00 To 5000.00 ft

DATE 7-15-95
 KB 3780.00 ft TICKET NO: 7977 DST #2
 GR 3775.00 ft FORMATION: Upper Morrow
 TD 5240.00 ft TEST TYPE: STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	AK-1	AK-1	ALPINE	AK-1		PF Fr. 45 to hr
SI 45 Range(Psi)	4025.0	4025.0	4995.0	4700.0	0.0	IS Fr. 45 to hr
SF 90 Clock(hrs)	23832	23832		17640		SF Fr. to 1.5 hr
FS 60 Depth(ft)	4994.0	4994.0	4926.0	5235.0	0.0	FS Fr. to 1 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2330.0	0.0	0.0	T STARTED 1350 hr
B. First Flow	0.0	0.0	74.0	0.0	0.0	T ON BOTM 1650 hr
B1. Final Flow	0.0	0.0	182.0	0.0	0.0	T OPEN 1655 hr
C. In Shut-in	0.0	0.0	1042.0	0.0	0.0	T PULLED 2055 hr
D. Init Flow	0.0	0.0	169.0	0.0	0.0	T OUT 2400 hr
E. Final Flow	0.0	0.0	214.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1042.0	0.0	0.0	
G. Final Hydro	0.0	0.0	2307.0	0.0	0.0	
Inside/Outside	0	0	I	S		

TOOL DATA-----

Tool Wt.	3000.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	140000.00 lbs
Initial Str Wt	52000.00 lbs
Unseated Str Wt	64000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.70 in
D.C. Length	270.00 ft
D.P. Length	0.00 ft

RECOVERY

Tot Fluid 510.00 ft of 270.00 ft in DC and 240.00 ft in DP
 150.00 ft of Clean Gassy Oil - 60% gas, 40% oil
 90.00 ft of Gassy Oil Cut Mud - 20% gas, 30% oil, 50% mud
 90.00 ft of Gassy Mud Cut Oil - 60% gas, 25% oil, 15% mud
 90.00 ft of Gassy Oil Cut Mud - 60% gas, 10% oil, 30% mud
 90.00 ft of Gassy Oil Cut Mud - 45% gas, 10% oil, 45% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 39.20

MUD DATA-----

Mud Type	Chemical
Weight	8.30 lb/cf
Vis.	58.00 S/L
W.L.	9.60 in3
F.C.	0.00 in

Mud Drop N

Amt. of fill	7.00 ft
Btm. H. Temp.	136.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased Y	7.00 ft
Tester	Rod Steinbrink
Co. Rep.	Scott Banks
Contr.	Abercrombie
Rig #	#5
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Blow -
 Weak surface blow, slowly built to bottom in 16 min
 Initial Shutin -
 Bled off blow, surface return built to 2"
 Final blow -
 Strong blow off bottom in 1 min; Gas to surface in 35 mins on .25 orifice, gas is flammable orange-blue flame
 Final Shutin -
 Bled off blow - surface return built to 8"

SAMPLES:
 SENT TO:

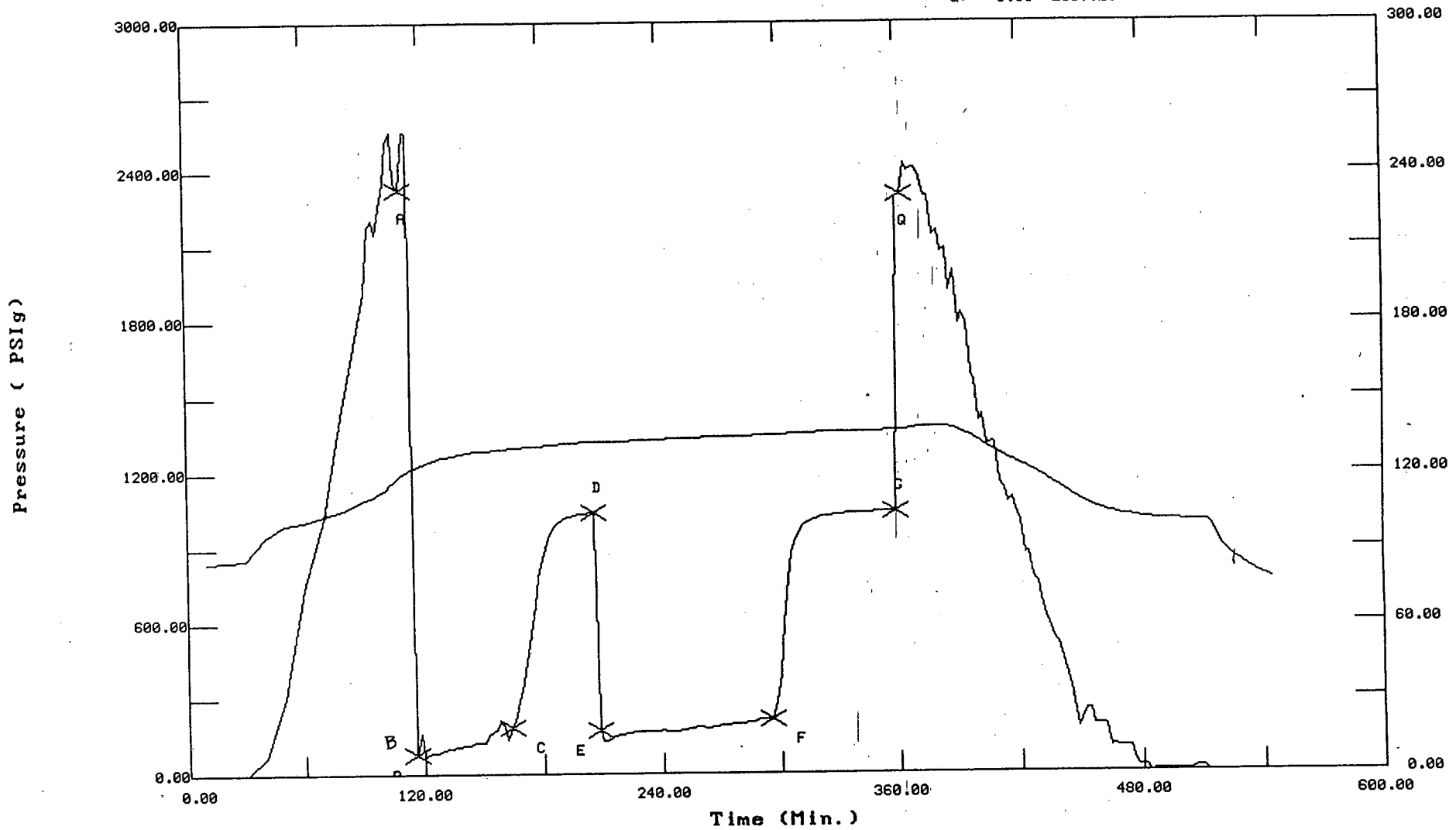
Test Successful: Y

TEST HISTORY

7977 DST #2 Kuder #A1-32 Red Oak Energy

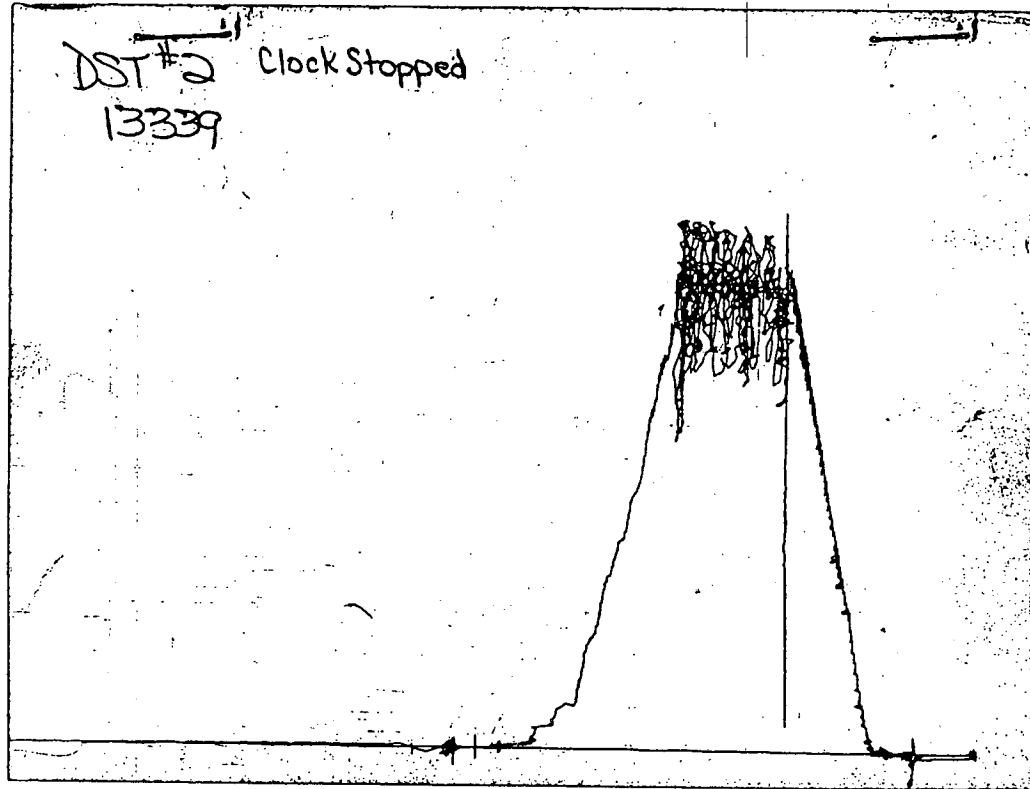
Flag Points
t (Min.) P (PSig)

A:	0.00	2330.25
B:	0.00	74.77
C:	48.00	182.53
D:	42.00	1042.46
E:	0.00	169.53
F:	88.00	214.51
G:	62.00	1042.88
Q:	0.00	2307.25



15-199-20230-000

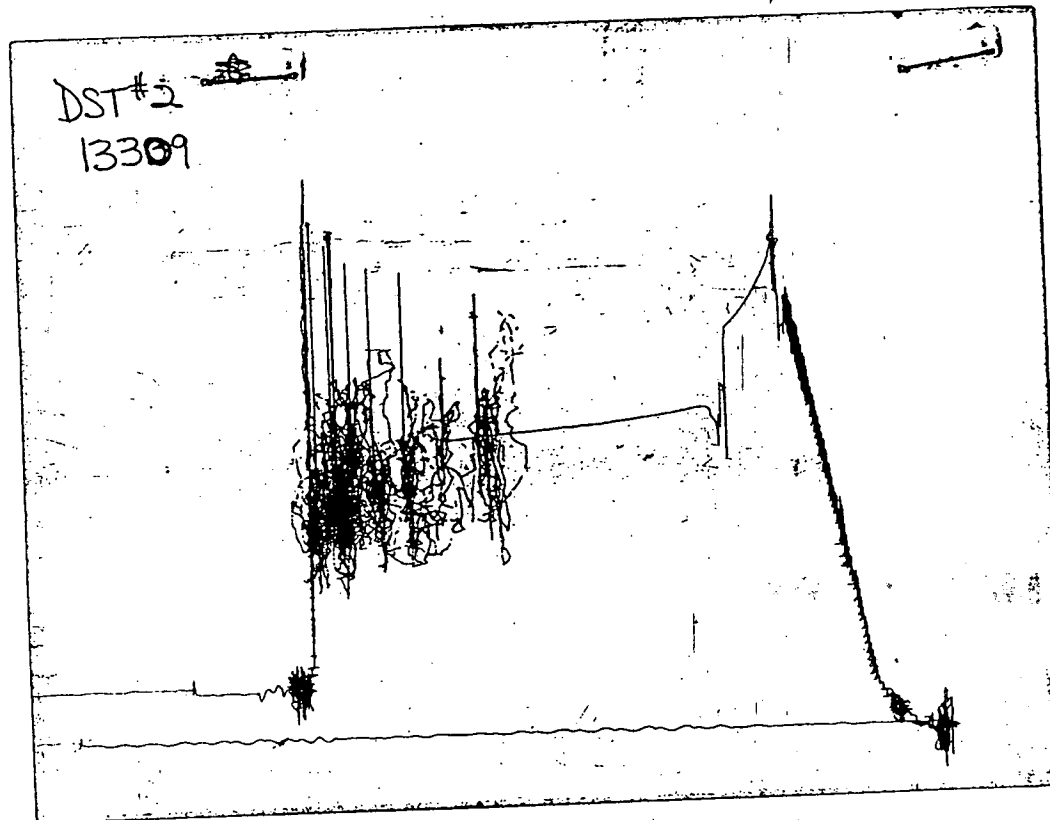
CHART PAGE



This is an actual photograph of an AK1 recorder chart

12-1-14-30 Y. 20-200

CHART PAGE



This is an actual photograph of an AK1 recorder chart

15-199-20230-00-08

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7977 DST #2 Kuder #A1-32 Red Oak Energy

DATE: 07/15/95

TIME: 13:52:25

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	110.00	2330.2	0.0	119.66		
***** Start Flow 1	0.00	74.8	0.0	122.18		
	2.00	158.8	84.0	122.90		
	4.00	70.2	-4.5	123.62		
	6.00	75.9	1.1	124.34		
	8.00	78.7	3.9	124.88		
	10.00	83.2	8.5	125.42		
	12.00	88.6	13.8	125.96		
	14.00	92.1	17.3	126.32		
	16.00	101.7	26.9	126.68		
	18.00	101.5	26.8	127.04		
	20.00	104.9	30.1	127.40		
	22.00	107.6	32.8	127.76		
	24.00	110.4	35.6	127.94		
	26.00	113.8	39.0	128.12		
	28.00	116.8	42.0	128.48		
	30.00	120.8	46.1	128.66		
	32.00	124.5	49.8	128.66		
	34.00	126.6	51.8	129.02		
	36.00	155.3	80.5	129.02		
	38.00	165.3	90.6	129.20		
	40.00	171.7	96.9	129.38		
	42.00	209.1	134.3	129.56		
	44.00	187.1	112.3	129.56		
	46.00	137.4	62.6	129.74		
***** End Flow 1	48.00	182.5	107.8	129.92		
***** Start Shutin 1	0.00	182.5	0.0	129.92	0.0000	0.033
	2.00	234.2	51.7	129.92	25.0000	0.055
	4.00	292.6	110.1	130.10	13.0000	0.086
	6.00	362.2	179.7	130.28	9.0000	0.131
	8.00	447.5	265.0	130.46	7.0000	0.200
	10.00	556.6	374.1	130.64	5.8000	0.310
	12.00	675.5	493.0	130.64	5.0000	0.456
	14.00	782.0	599.5	130.82	4.4286	0.612
	16.00	864.1	681.6	131.00	4.0000	0.747
	18.00	921.7	739.2	131.18	3.6667	0.850
	20.00	960.5	778.0	131.36	3.4000	0.923
	22.00	986.1	803.6	131.54	3.1818	0.972
	24.00	1003.0	820.5	131.54	3.0000	1.006
	26.00	1014.3	831.8	131.72	2.8462	1.029
	28.00	1022.1	839.5	131.90	2.7143	1.045
	30.00	1027.6	845.1	131.90	2.6000	1.056
	32.00	1031.9	849.3	132.08	2.5000	1.065
	34.00	1035.0	852.5	132.08	2.4118	1.071
	36.00	1037.4	854.9	132.26	2.3333	1.076
	38.00	1039.5	857.0	132.26	2.2632	1.081
	40.00	1041.1	858.6	132.44	2.2000	1.084
***** End Shut-in 1	42.00	1042.5	859.9	132.44	2.1429	1.087
***** Start Flow 2	0.00	169.5	0.0	132.44		
	2.00	129.0	-40.5	132.44		
	4.00	128.9	-40.6	132.44		

15-199-20230-00-00

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7977 DST #2 Kuder #A1-32 Red Oak Energy

DATE: 07/15/95 TIME: 13:52:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
6.00	142.0	-27.5	132.44		
8.00	145.3	-24.3	132.62		
10.00	151.6	-18.0	132.62		
12.00	156.6	-12.9	132.62		
14.00	159.9	-9.7	132.80		
16.00	161.0	-8.6	132.80		
18.00	163.5	-6.0	132.98		
20.00	165.4	-4.1	132.98		
22.00	165.7	-3.9	132.98		
24.00	165.4	-4.1	133.16		
26.00	164.4	-5.1	133.16		
28.00	164.4	-5.1	133.16		
30.00	165.1	-4.4	133.34		
32.00	168.9	-0.7	133.34		
34.00	168.5	-1.0	133.34		
36.00	166.6	-2.9	133.52		
38.00	163.8	-5.7	133.52		
40.00	165.4	-4.1	133.70		
42.00	169.9	0.3	133.70		
44.00	172.8	3.3	133.70		
46.00	175.7	6.2	133.70		
48.00	180.6	11.1	133.88		
50.00	182.8	13.3	133.88		
52.00	181.2	11.7	133.88		
54.00	180.4	10.8	134.06		
56.00	179.8	10.3	134.06		
58.00	181.7	12.2	134.06		
60.00	185.0	15.4	134.24		
62.00	187.3	17.8	134.24		
64.00	191.0	21.5	134.24		
66.00	192.3	22.7	134.42		
68.00	194.5	25.0	134.42		
70.00	194.4	24.8	134.42		
72.00	194.9	25.3	134.60		
74.00	198.4	28.9	134.60		
76.00	202.1	32.6	134.60		
78.00	203.7	34.2	134.60		
80.00	209.1	39.6	134.78		
82.00	211.7	42.1	134.78		
84.00	213.2	43.6	134.78		
86.00	212.1	42.6	134.96		
88.00	214.5	45.0	134.96		
***** End Flow 2					
***** Start Shutin 2					
0.00	214.5	0.0	134.96	0.0000	0.046
2.00	280.1	65.6	134.96	69.0000	0.078
4.00	391.9	177.4	134.96	35.0000	0.154
6.00	595.9	381.4	135.14	23.6667	0.355
8.00	775.3	560.8	135.14	18.0000	0.601
10.00	880.1	665.5	135.32	14.6000	0.775
12.00	936.7	722.2	135.32	12.3333	0.877
14.00	968.5	754.0	135.50	10.7143	0.938
16.00	988.3	773.8	135.50	9.5000	0.977

00-00-28502-1 P1-01

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7977 DST #2 Kuder #A1-32 Red Oak Energy

DATE: 07/15/95

TIME: 13:52:25

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	18.00	1000.5	786.0	135.68	8.5556	1.001
	20.00	1009.2	794.7	135.68	7.8000	1.019
	22.00	1015.0	800.5	135.68	7.1818	1.030
	24.00	1019.6	805.1	135.86	6.6667	1.040
	26.00	1023.0	808.5	135.86	6.2308	1.047
	28.00	1025.8	811.3	135.86	5.8571	1.052
	30.00	1027.9	813.3	135.86	5.5333	1.056
	32.00	1029.8	815.3	136.04	5.2500	1.060
	34.00	1031.5	817.0	136.04	5.0000	1.064
	36.00	1033.0	818.5	136.04	4.7778	1.067
	38.00	1034.2	819.6	136.04	4.5789	1.069
	40.00	1035.2	820.7	136.04	4.4000	1.072
	42.00	1036.2	821.7	136.22	4.2381	1.074
	44.00	1037.1	822.6	136.22	4.0909	1.076
	46.00	1037.9	823.4	136.22	3.9565	1.077
	48.00	1038.7	824.2	136.22	3.8333	1.079
	50.00	1039.4	824.9	136.40	3.7200	1.080
	52.00	1040.2	825.7	136.40	3.6154	1.082
	54.00	1040.6	826.1	136.40	3.5185	1.083
	56.00	1041.2	826.7	136.40	3.4286	1.084
	58.00	1041.9	827.4	136.58	3.3448	1.085
	60.00	1042.1	827.6	136.58	3.2667	1.086
***** End Shut-in 2	62.00	1042.9	828.4	136.58	3.1935	1.088
***** Final Hydro.	362.00	2307.3	0.0	136.76		

Operator.....: Red Oak Energy Inc
Well Name.....: Kuder #A1-32
DST Number.....: 2

15-199-20230-00-00

Location.: 32-15S-41W, Wallace KS Recorder No...: Alpine
Test Type: Conventional Recorder Depth: 4926
Formation: Upper Morrow Test Interval.: 4924-5000

RESERVOIR CALCULATIONS: Fluid calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay.....: 7.00 ft
Porosity.....: 16.00 %
Bottom Hole Temp.....: 136.00 F
Specific Gravity.....: 0.829
API Gravity.....: 39.20
Compressibility.....: 0.000008 /psi
Viscosity.....: 3.3496 cp
Total Recovery.....: 510.00 ft
Total Flowing Time.....: 135.00 min.
Flow Rate.....: 15.31 bbls/d
Final Flowing Pressure.....: 214.00 psi
Horner Slope.....: 78.4805 psi/cycle
Extrapolated Pressure.....: 1084.40 psi
Formation Volume Factor.....: 1.04 Reservoir/Surface
Well Bore Radius.....: 3.94 in

RESULTS:

Effective Permeability.....: 15.834282 md
Flow Capacity.....: 110.8400 md.ft
Transmissibility.....: 33.0905 md.ft/cp
Skin Factor.....: 7.8703
Radius of Investigation.....: 81.10031 ft
Damage Ratio.....: 2.6078
Productivity Index.....: 0.0176 bbls/psi.d
Productivity Index W/O Damage.: 0.0459 bbls/psi.d

80-00-08805-NP1-2/ GAS RECOVERY

COMPANY: Red Oak Energy, Inc.

DATE: 7-15-95

WELL NAME: Kuder #A1-32

KB Elev: 3780.00 ft TICKET #7977 DST #2

WELL LOCATION: 32-15s-41w Wallace KS

GR Elev: 3775.00 ft FORMATION: Upper Morrow

INTERVAL Fr.: 4924.00 To 5000.00 T.D.: 5240.00 ft TEST TYPE: STRADDLE

GAS RECOVERY MEASURED WITH 2" Merla Gauge

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
35	0.25	0	22	7.9
40	0.25	0	18	7.1
45	0.25	0	16	6.7
50	0.25	0	16	6.7
55	0.25	0	16	6.7
60	0.25	0	12	5.9
65	0.25	0	11	5.6
70	0.25	0	16	6.7
75	0.25	0	12	5.9
80	0.25	0	18	7.1
85	0.25	0	20	7.5
90	0.25	0	14	6.3

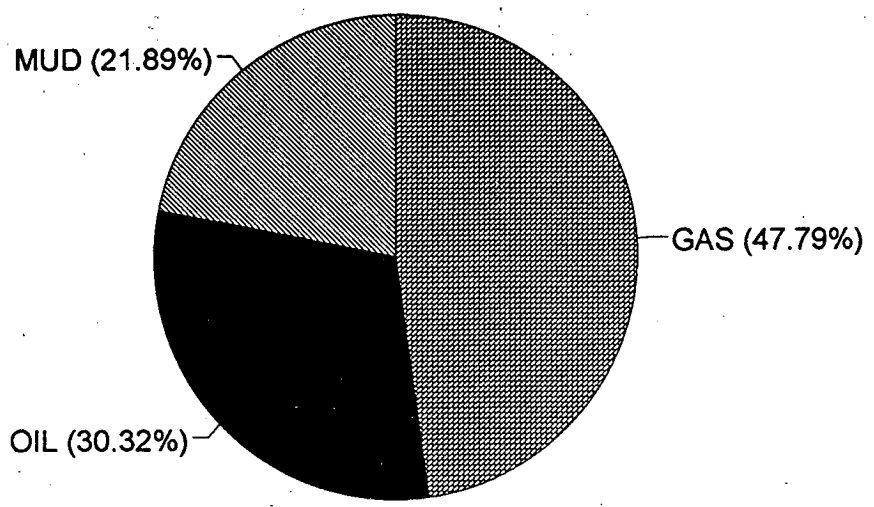
CALCULATED RECOVERY ANALYSIS

DST # 1

TICKET # 8117

15-199-20230-00-00

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL PIPE	1	150	60	90	40	60	0	0	0
	2	90	20	18	30	27	0	50	45
	3			0		0	0	0	0
	4			0		0	0	0	0
	5			0		0	0	0	0
DRIFT PIPE	1			0		0	0	0	0
	2			0		0	0	0	0
	3			0		0	0	0	0
	4			0		0	0	0	0
DRILL COLLAR	1	90	60	54	25	22.5	0	15	13.5
	2	90	60	54	10	9	0	30	27
	3	90	45	40.5	10	9	0	45	40.5
	4			0		0	0	0	0
	5			0		0	0	0	0
TOTAL	510	50.29412	256.5	25	127.5	0	0	24.70588	126
		HRS OPE BBL/DAY							
BBL OIL=	1.435185	*	2.25	15.30864					
BBL WATER=	0	*		0					
BBL MUD=	1.03599								
BBL GAS =	2.261925								

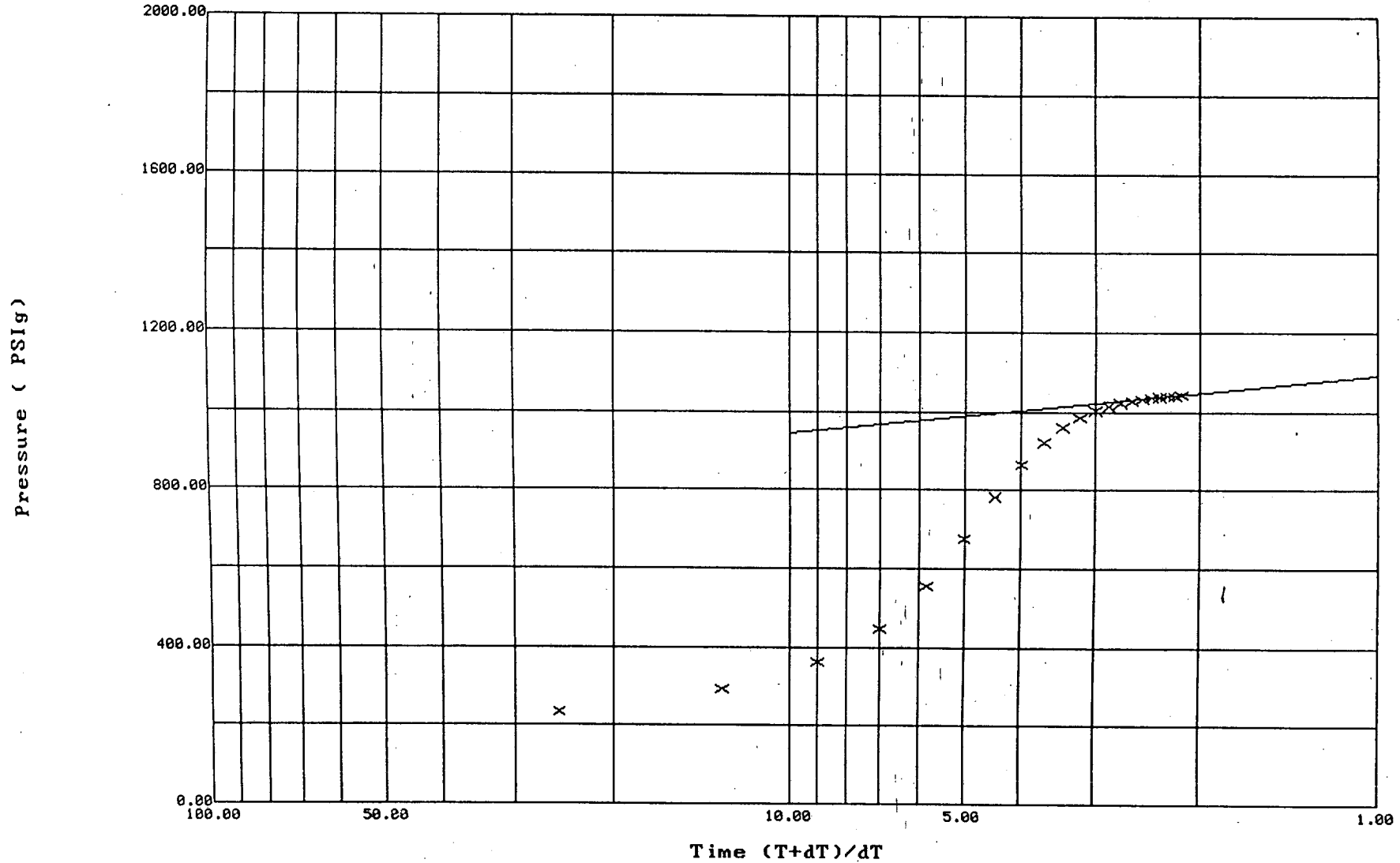


Horner Plot: shut-in #1

7977 DST #2 Kuder #A1-32 Red Oak Energy

Slope: 145.9090 PSig/cycle

Ext. Pressure: 1091.0000 PSig



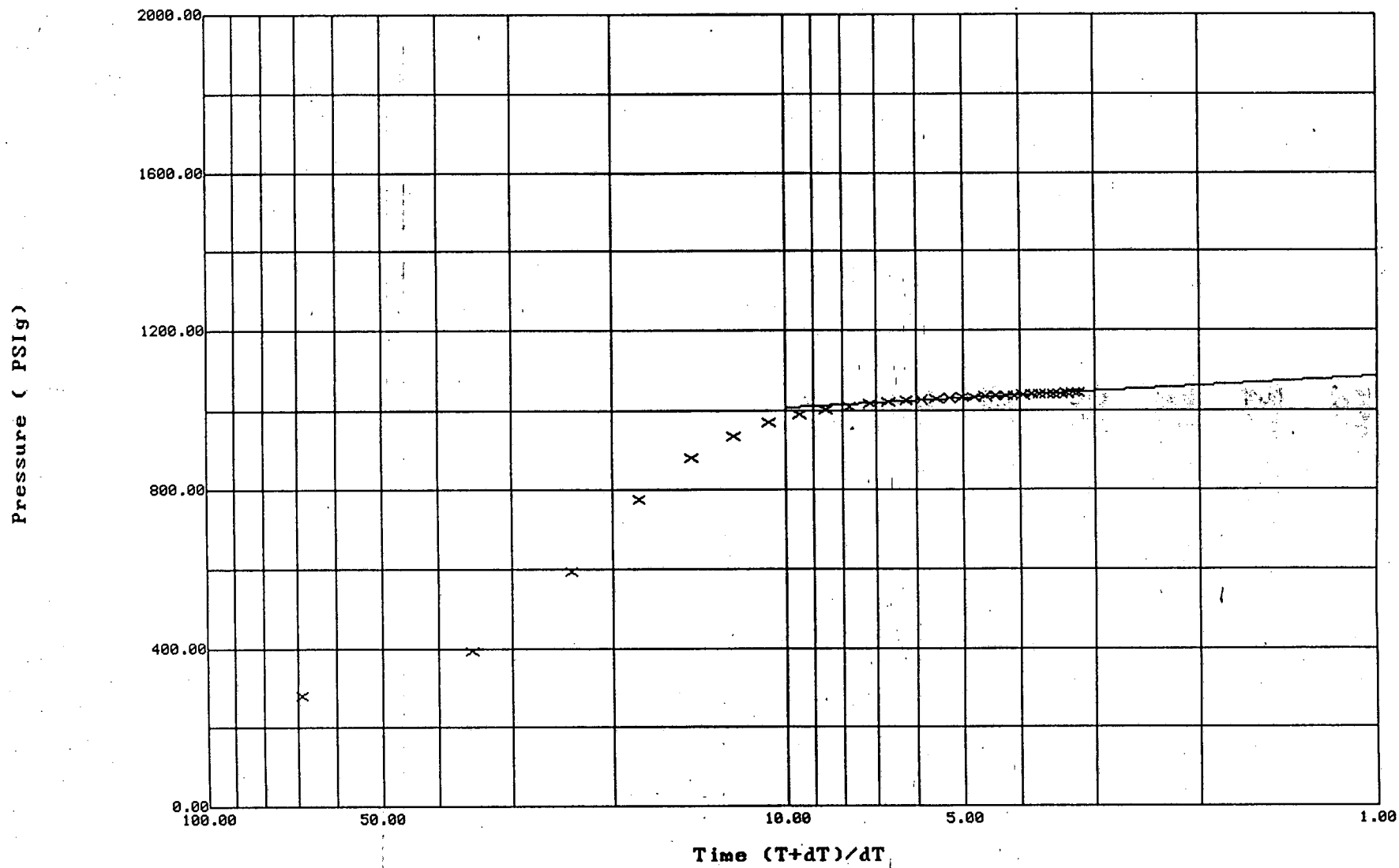
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Horner Plot: shut-in #2

7977 DST #2 Kuder #A1-32 Red Oak Energy

Slope: 78.4885 PSig/cycle

Ext. Pressure: 1084.3990 PSig

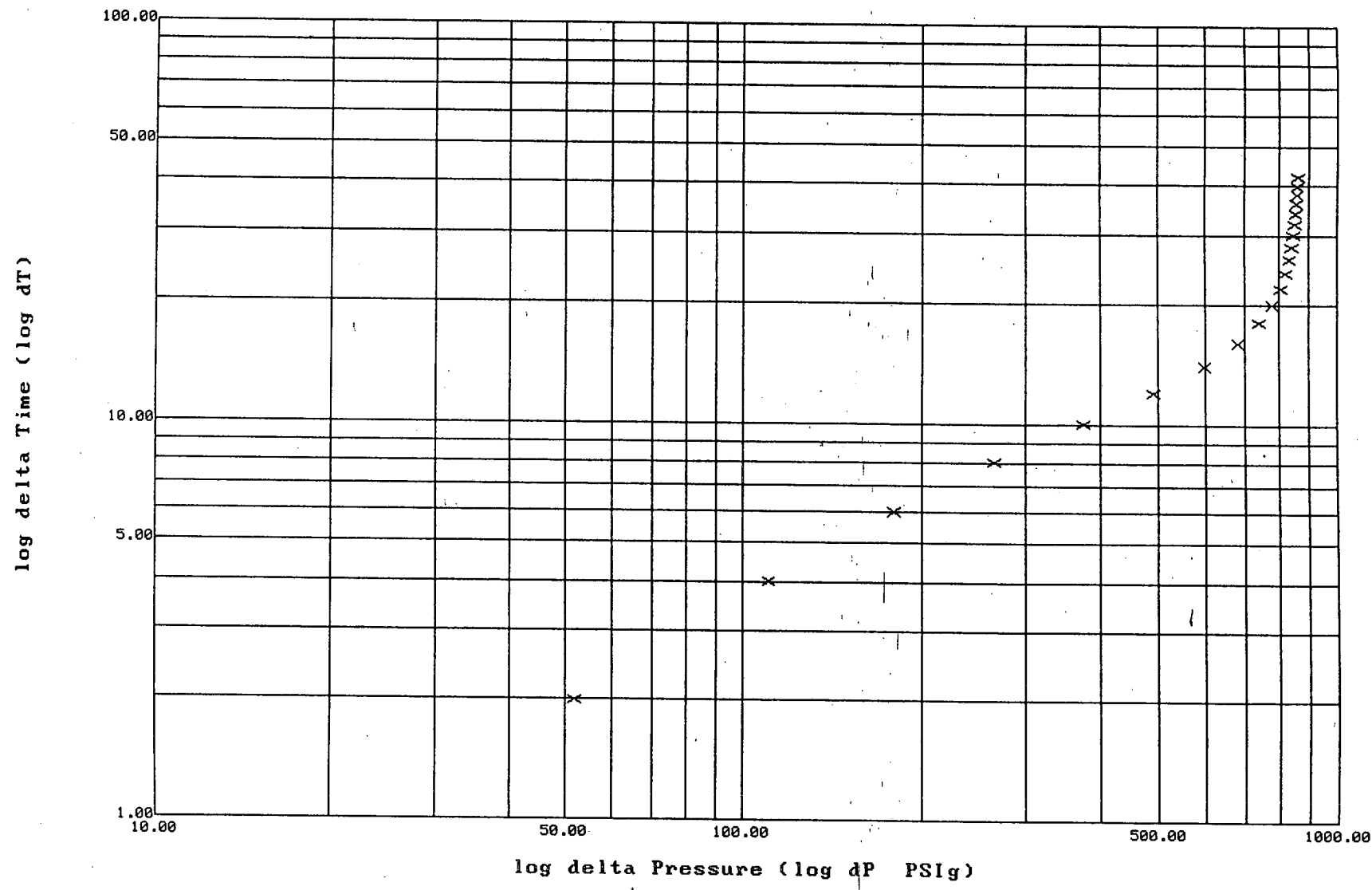


15-199-20230-00-00

McKinley Plot: shut-in #1

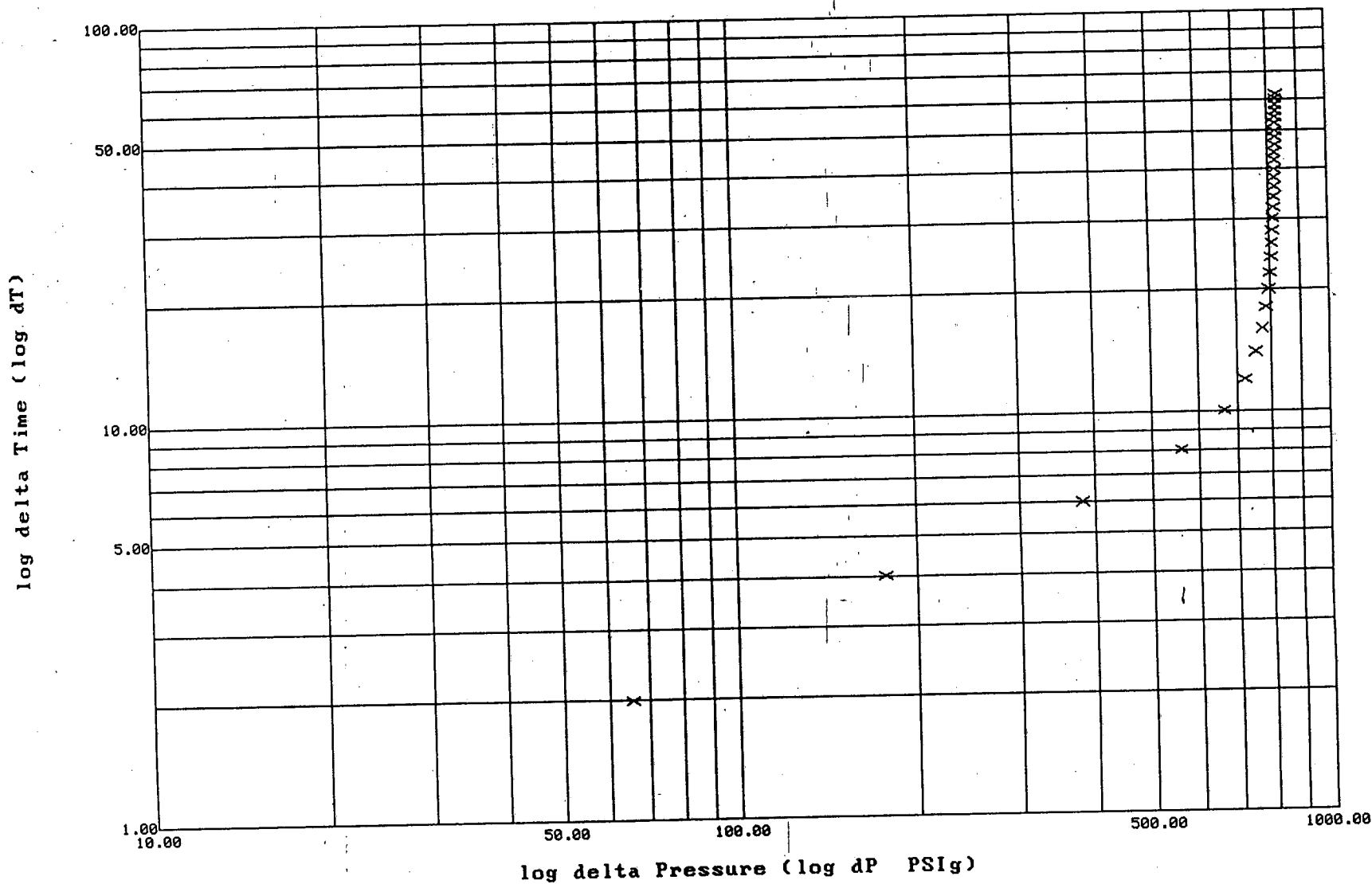
7977 DST #2 Kuder #A1-32 Red Oak Energy

McKinley Plot - Shut-in #1



McKinley Plot: shut-in #2

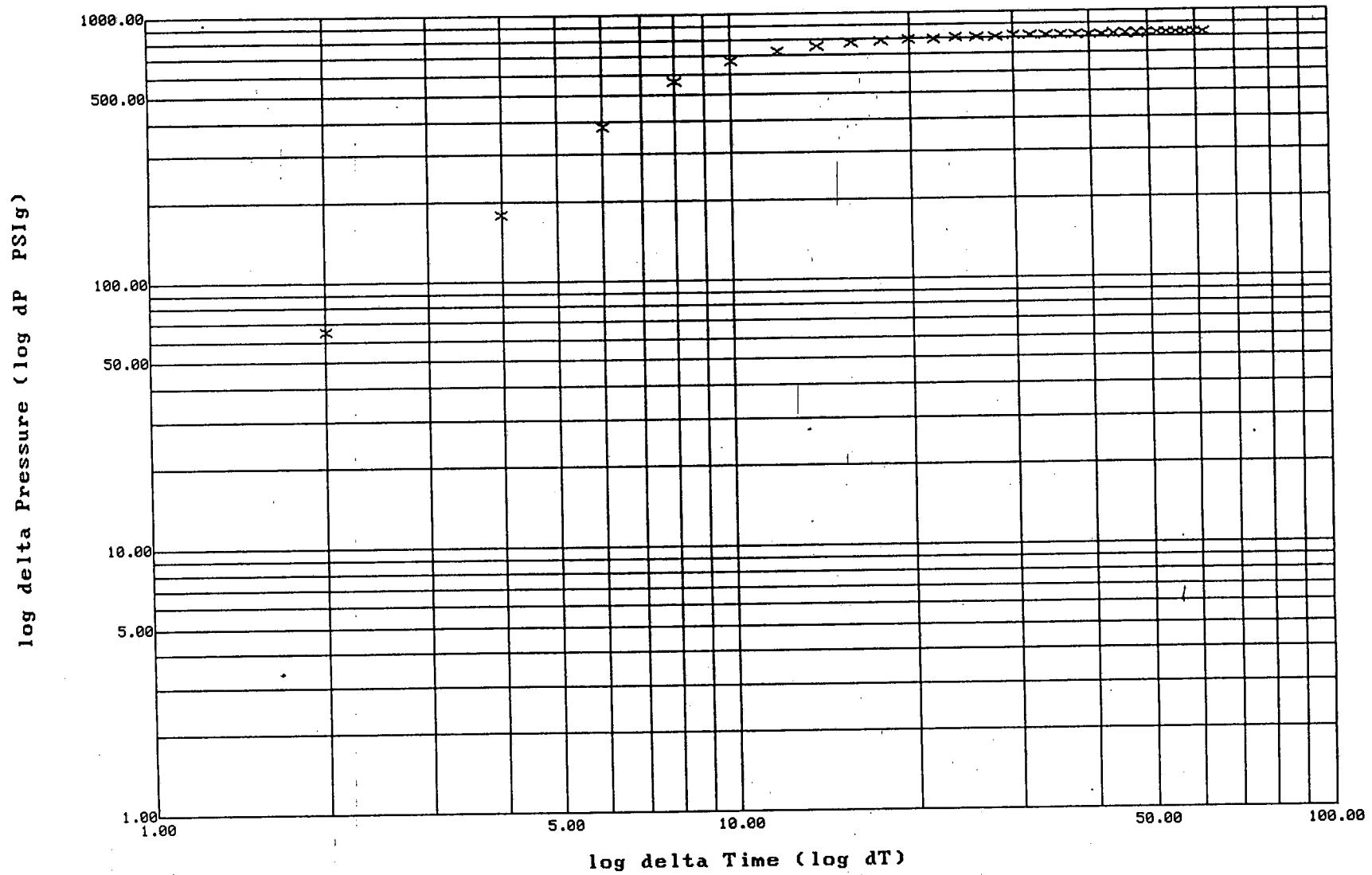
7977 DST #2 Kuder #A1-32 Red Oak Energy



15-199-20230-00-00

Ramey Plot: shut-in #2

7977 DST #2 Kuder #A1-32 Red Oak Energy



15-199-20230-00-00

WELL DATA

FIELD _____ SEC. 32 TWP. 15S RING. 41W COUNTY WALLACE STATE KS

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 5240

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Includes handwritten entries: U, 15.5, 5 1/2, KB, 5240.

ORIGINAL

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes handwritten dates and times.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel like W. Fox, C. Lawler, G. McIntyre, S. Porter.

RELEASED

KCC

NOV 1 1996

OCT 1 2

FROM CONFIDENTIAL RECEIVED CONFIDENTIAL

DEPARTMENT 5007 STATE CORPORATION COMMISSION
DESCRIPTION OF JOB 5 1/2 Du Long String

OCT 1 3 1995

CONSERVATION DIVISION

Wichita, Kansas

JOB DONE THRU: TUBING [] CASING [x] ANNULUS [] TBG./ANN. []

CUSTOMER REPRESENTATIVE X [Signature]
HALLIBURTON OPERATOR WES FOX

COPIES REQUESTED

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH [] TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. [] 122.9
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY [] 38.6 - 120.4 - 24.4
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME [] 321.3
REMARKS SEE Job Log
MSDS with Co. Rep.
32.31 REASON SHOE JOINT

CUSTOMER Red Oak Energy Inc. LEASE KUDER WELLS NO. A1-32 JOB TYPE 5 1/2 Du Long String DATE 7-18-95

DAY ENERGY	WELL NO. A1-32	LEASE Kuder	JOB TYPE 5 1/2 DU Long String	TICKET NO. 811818
------------	----------------	-------------	-------------------------------	-------------------

TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
0730							Called out for 1300
1315							ON Location - Rig Nipping Down
1430							Setup Co. TRUCK
1435							SATTEY MEETING
1500							RUN 5 1/2 CASING
1845							PIPE ON Bottom
1855							Hook up to CIRCULATE
1859							BREAK Circulation
1911	2	7				0	Plug Rat & mouse Hole
1947	5	12				200	Pump Mud Flush
1950	5	5				200	Pump HD SPACER
1953	5	36.8				200	Mix + Pump 175 sx at 15.6 PPG
2000							Shut Down - wash Pumps & LINES
2003	6	122.9				50	Drop Latch down Plug & Displace
2024	7					200	CATCH CEMENT
2034	3/0					600/1000	Plug Down
2039							Drop DU opening tool
2049						600	open DU tool
2055							Hook up to CIRCULATE
2339							Pump 2 nd stage at 2330
2341	6	120.4				150	Hook to Halliburton
2359	6	24.4				100	Mix & Pump 210 sx at 11.1 PPG
0004							Mix & Pump 75 sx at 13.2 PPG
0007	4	46				100	Shut Down - wash Pumps & LINES
0016	4					500	Drop Closing Plug & Displace
0018	3/0					500/200	CEMENT to SURFACE - 5 Bbl
							Plug Down - close DU tool
							Job Complete
							CEMENT to SURFACE - 5 Bbl
							was 7ft 9 sx
							Gary Sharp
							W.C. Craig

ORIGINAL

RELEASED

NOV 1 1996

FROM CONFIDENTIAL

KCC
OCT 12
CONFIDENTIAL

Thanks for calling
Halliburton
HA WES
Fax & CREW

CEMENT to SURFACE - 5 Bbl
was 7ft 9 sx
Gary Sharp
W.C. Craig



TICKET CONTINUATION

CUSTOMER COPY 59

TICKET No. 811317

HALLIBURTON ENERGY SERVICES

CUSTOMER RED OAK

WELL

DATE 7-16-95

PAGE OF

FORM 1911 R-10

15-199-20230-00-00

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504-043	516.00272	2			Premium Cement	175	5kg			11.55	2021	25
504-282		1			Midcon Prem. Plus	245	5kg			16.39	4015	55
507-285	70.15250											
508-127	516.00335											
507-775	516.00144	2			HAIR 322.75% w 175 Prem	123	#			7.00	861	00
508-002	70.15302	2			Potassium Chloride 3% w 175 Prem	227	#			.27	61	29
507-210	890.50071	2			Fluocel 1/4" w 175 Prem 1/4" w 210 Midcon	96	#			1.65	158	40
595	812.01049	1			1000 lb w H ₂ O	1	lb				29	12
350	890.12802	1			1000 lb w H ₂ O	1	lb				14	10
619-241					Potassium Chloride	1	lb				135	12
500-207		2			SERVICE CHARGE							
500-306		2			MILEAGE CHARGE							
					TOTAL WEIGHT							
					LOADED MILES							
					TON MILES							
					CUBIC FEET							

ORIGINAL

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CONFIDENTIAL

CUBIC FEET

438

MILEAGE CHARGE

40847

LOADED MILES

105

TON MILES

2144.47

1

35

591 30

95

2037 25

No. B 209634

CONTINUATION TOTAL

12455



CHARGE TO: Bid OAK Energy Inc.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

CUSTOMER COPY

TICKET

No.

811818 - 7

PAGE 1 OF 1

HAL-1906-N

SERVICE LOCATIONS	WELL/PROJECT NO. <u>1132</u>	LEASE <u>K. A. ...</u>	COUNTY/PARISH <u>Worth</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION <u>W. T. ...</u>	DATE <u>7-12-95</u>	OWNER <u>...</u>
1. <u>...</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>...</u>	RIG NAME/NO.	SHIPPED VIA <u>...</u>	DELIVERED TO <u>...</u>	ORDER NO.
2. <u>...</u>	WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>...</u>	WELL PERMIT NO.	WELL LOCATION <u>32-158410</u>		
3. <u>...</u>	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

ORIGINAL

15-199-20230-00-00

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT.	DF							
		1			MILEAGE 25.75	1	EA	300		2.2	652
	007-013	1			Pump Change	6	HR	524			1395
	007-011	1			Pump Change	6	HR				1400
	818-335	1			Mud Flush	12	EA	50		63	325
	26 347-06312	1			Washer Floor Stack	1	EA	54			3500
	27 16 19311	1			Flt Top	1	EA				550
	42 346 60022	1			Center Valve	6	EA			60	3600
	71 813 56325	1			DU Tool	1	EA				2450
	75 813 16510	1			Plug Set	1	EA				460
	320 806 71430	1			Basket	1	EA				90
	598 501 03743	1			Lockdown Bolt	1	EA				114

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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 7-12-95 TIME SIGNED: 06:33

I do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE
BEAN SIZE	SPACERS	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?			
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL: 7801
 FROM CONTINUATION PAGE(S): 10435
 SUB-TOTAL: 18237

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
	X <u>...</u>	<u>...</u>	<u>04437</u>	

15-199-20230-00-00



CHARGE TO: **Red Oak Energy**
 ADDRESS: **200 West Douglas Suite 510**
 CITY, STATE, ZIP CODE: **Wichita, Ks. 67202-3015**

CUSTOMER COPY
 No. **839857 - 7**
 TICKET

HAL 1906-N
 SERVICE LOCATIONS: **Hays, Ks**
 WELL/PROJECT NO.: **A 1-32**
 LEASE: **Ruder**
 COUNTY/PARISH: **Wallace**
 STATE: **Ks.**
 CITY/OFFSHORE LOCATION: **Well Site**
 DATE: **7-20-95**
 TICKET TYPE: SERVICE SALES
 NITROGEN JOB? YES NO
 CONTRACTOR: **Patrick K. Well Service**
 RIG NAME/NO.:
 SHIPPED VIA: **Truck**
 DELIVERED TO:
 ORDER NO.:
 WELL TYPE: **01**
 WELL CATEGORY: **01**
 JOB PURPOSE: **195 - 075**
 WELL PERMIT NO.:
 REFERRAL LOCATION:
 INVOICE INSTRUCTIONS:

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PAGE 1 OF 2
 OPERATOR'S COMMISSION
 OCT 1 1995
 CONSERVATION DIVISION
 Wichita, Kansas

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING: LOC ACCT DF	DESCRIPTION	QTY.	U/M	UNIT PRICE	AMOUNT
000-117		1 25	MILEAGE (RTM 51292)	320	mi	2.75	880.00
009-134	009-019	1 25	Pump Charge	4989	FL.	1880.00	1880.00
100-115		1 25	Mileage	160	mi	1.45	232.00
109-017		1 35	Rtts	4989	FL.	5 1/2	1255.00
128-546		1	Squeeze Manifold	2	day	270.00	N/A
117-000		1	Handling Sub	1	ea	41.00	N/A
116-816		1 35	Operator's Service Chg (7-1-95)	1	day	355.00	355.00
009-134		1 25	Pump Charge (7-31-95)	4989	FL.	1880.00	1880.00
		1	Operator's Service Chg (7-31-95)				

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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: **7-29-95** TIME SIGNED: **0825**
 A.M. P.M.

do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK: _____ DEPTH: _____
 BEAN SIZE: _____ SPACERS: _____
 TYPE OF EQUALIZING SUB.: _____ CASING PRESSURE: _____
 TUBING SIZE: _____ TUBING PRESSURE: _____ WELL DEPTH: _____
 TREE CONNECTION: _____ TYPE VALVE: _____

SURVEY: AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **6482.00**
 FROM CONTINUATION PAGE(S): **2030 67**
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: **3512.69**

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **Kevin Davis**
 CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **[Signature]**
 HALLIBURTON OPERATOR/ENGINEER: **[Signature]** EMP #: **47558**
 HALLIBURTON APPROVAL: _____



HALLIBURTON ENERGY SERVICES

Tlr 3258

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 839857-7

FORM 1911 R-10

CUSTOMER Red Oak Energy	WELL Kuder#1002 A 1-32	DATE 7-29-95	PAGE 2	OF 2
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15-199-20230-00-00

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-308		1		2	Standard Cement	100				8 86	886 00
507-775		1			Halad-322 on side	18	1b			7 00	126 00
507-775		1			Halad-322 " "	24	1b			7 00	168 00
500-207		1			SERVICE CHARGE					1 35	135 00
500-306		1			MILEAGE CHARGE					95	95 00
					TOTAL WEIGHT						9,417
					LOADED MILES						160
					TON MILES						678-026

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OCT 12
CONFIDENTIAL

No. B 285347

CONTINUATION TOTAL 2030.64

WELL DATA
 FIELD Kuder SEC. 32 TWP. 15^s R1G. 41^w COUNTY Wallace STATE Ks.

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 Rtts SET AT 4989' + 4451
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 5201

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2"	KB	5201	FBTD
LINER						
TUBING	N		2 7/8"	KB	4989	
OPEN HOLE						
PERFORATIONS				5058	5060	
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-29-95</u>	DATE <u>7-29-95</u>	DATE <u>7-29-95</u>	DATE <u>7-29-95</u>
TIME <u>0330</u>	TIME <u>0700</u>	TIME <u>0816</u>	TIME <u>1430</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD <u>Haydberg Sub</u> <u>2 7/8"</u> <u>1ea.</u> <u>Halco</u>		
PACKER <u>Rtts</u> <u>5 1/2"</u> <u>1ea.</u> <u>Hako</u>		
OTHER <u>Squeeze manifold</u> <u>1ea.</u> <u>Halco</u>		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>E. Reynolds</u> <u>47558</u>	<u>Pickup</u>	<u>Hays, Ks.</u>
<u>M. Karlin</u> <u>61511</u>	<u>Run & Jerk</u>	<u>Hays, Ks.</u>
<u>D. Ash</u>	<u>53292</u>	<u>Hays, Ks.</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB./GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 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. _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

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DEPARTMENT Tools - Cementing
 DESCRIPTION OF JOB Run 5 1/2" Rtts - Squeeze Perfs. as directed
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X Roger Pearson
 HALLIBURTON OPERATOR Eldon Reynolds COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>7-29</u>	<u>25</u>	<u>Standard</u>			<u>.75% HMed 322 KCC</u>	<u>1.18</u>	<u>15.6</u>
<u>"</u>	<u>25</u>	<u>Standard</u>			<u>No Add.</u>	<u>1.18</u>	<u>15.6</u>
<u>7-31</u>	<u>25</u>	<u>Standard</u>			<u>1% HMed 322</u>	<u>1.18</u>	<u>15.6</u>
<u>"</u>	<u>25</u>	<u>Standard</u>			<u>No Add</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 28.9
 CEMENT SLURRY: BBL.-GAL. 12.4-11.0
 TOTAL VOLUME: BBL.-GAL. _____
 REMARKS See Job log & Chart
Thank you

Red Oak Energy
 LEASE Kuder
 WELL NO. 15-199-20230-00-00
 JOB TYPE Tools - Perfs Squeeze
 DATE 7-29-95
 TICKET



JOB LOG HAL-2013-C

CUSTOMER Red Oak Energy	WELL NO. A 1-32	LEASE Kuder	JOB TYPE Tools - Perf Squeeze	DATE 7-29-95
CHART NO.	VOLUME (BBL)(GAL)	PUMPS	PRESSURE (PSI)	TICKET NO. 839857-7

ORIGINAL

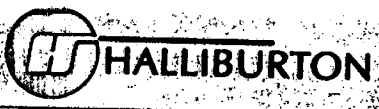
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS	PRESSURE (PSI)	TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0330							Called out - Job ready @ 0730 hrs
	0520							Blew tire out on Jack Trailer - Call mechanic
	0700							on loc. w/ Tools - Rig @ 0730 - Make up Rtt's
	0728							Rig Crew on loc. - Make Swab Run
	0816							Start 5 1/2" Rtt's & 2 7/8" Tubing in hole
	0938							Set Rtt's @ 4989' w/ 159 Jts. - wait on PT
	1018							PT on loc. - Setup Equip
1	1105							Start loading Ann.
1	1116		59.0					Ann. loaded w/ 59 bbl - Leak @ BOP -
1	1140							500/1000 (sq. nipple broke - Rig Crew replace
1	1213		4.0					500/1000 Test Ann.
1	1223	6/10	6.3		425	500		Take my Role
1	1230	5/10			200	500		Pump 3 bbl. Fluid under - open By Pass to Spot Cont.
1	1236		6.2					Start mixing 25 sacks Std w/ Hald 322 -
1	1245	2.0			150	150		Start Pumping Cont.
1	1248	2.0	6.8		15.0	150		Start Mixing 25 sacks STD - No Add.
1	1252	2.0	13.5		150	150		Start disp to Spot Cont.
1	1258							500 Close by - Pass - Cont. Spitted to 2 bbl. above By Pass
1	1301				1000/800			St. disp Cont. - 1000 ² - Bleed off to 800 ² in 30 Sec -
1	1305				1000/500	500		Could not pump into Perfs. - Stage Cement
1	1328		8/10		1000/700	"		8/10 bbl pumped - Open By pass on Tool
1	1328		2.0		1000	1000		Pump 2 bbl to Spot Cont. to By - Pass
1	1330				1000/800	500		Close By Pass - Stage Cont. - Stumbled-off
1	1404				1000/500	"		Cont @ Perfs. - Slow bleed-off - 200 ² drop in 30 sec.
1	1433		4.0		1000/700	"		2 bbl. Cont. out in Perfs. - Co. Rep. Requested
1	1437	1.3						to Reverse out Tubing -
1	1437	1.3			1000			Release Rtt's - Start Reversing out Cont.
1	1440	1.3			800			Press @ 800 ²
1	1449							Last Prime - Tank empty - switch to other Tank
1	1452	1.3			1000			Start pumping again
1	1510	1.5	42.0		200			Cont Rev. out (8 bbl. Cont. back to Pit)
1	1525		1.0					Rig pull 3 Jts. - Set Rtt's @ 4894' - Hook up
1	1529		.7		90/60	"		Press Ann. - Took 1 Bbl to load
1	1535				90/60	"		Press upon squeeze (7/10) to load - Slow bleed-off
								Slow bleed-off

Continued on Page 2



JOB LOG HAL-2013-C

DATE: 7-29-95
TICKET NO. 939957-7

CUSTOMER: Red Oak Energy		WELL NO: A-1-32		LEASE: Kuder		JOB TYPE: Tests - Perf Squeeze	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMP (T)	PRESSURE (PSI) (T)	TUBING (C)	CASING (C)

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMP (T)	PRESSURE (PSI) (T)	TUBING (C)	CASING (C)	DESCRIPTION OF OPERATION AND MATERIALS
2	1545				250/175		500	Slow bleed-off - 75" drop in 3 min.
2	1548				500/175		"	Press to 500" - slow bleed-off 325" in 6 min
	1554							Release Press - Run Rfts below Perfs - did not tag Cement
2	1624	2 1/2					250	Rfts @ 5052' - start Circ. hole Clean
2	1643	2 1/2	450				150	Hole Clean - Circ. 45 bbl.
2	1655							Rig pull Tubing & Rfts above Perfs
	1920	2 1/2						Rfts @ 4958' - Rig Crew swab - Called in to advise Supervisor of Job Situation
	1931	2 1/2	270				300	Hook up & Start loading Tub
	1932	4/10					500	Tub loaded w/ 27 bbl
	1935	2 1/2	1.5				800	Try Rate = 1/10 BPM @ 500"
	1940						800/650	1 1/2 bbl pumped - Rate skewed to 2/10 BPM @ 800"
	1945						800/100	Could not pump steady into perfs - 20" drop in flow
	2008						1996	Press 800" - bled off to 100" in 2 min.
								Co. Rep. talked w/ Supervisor - decided to close in Tubing overnight & Re-squeeze Monday 7-31-95
	2017							Close in Tubing & Ann.
	2025							Job Completed for today - Reg on loc 0800 - 7-31-95
								7-31-95
	0830							Called out - Job ready 0800 hrs.
	0755							Rig crew swabbing -
	0937							Release Rfts - Run Tubing to 5067'
	0955						0	Start pumping 12 bbl water
	1007	3.8					0	Start mixing 18 SKS Std. No Add.
	1010	5.2					0	Start mixing 25 SKS Std. w/ 322 Haled
	1014	1.4					50	Start mixing 7 SKS Std. No Add.
	1015						50	Rfts set - Release Rfts & Finish pumping Cont
	1019	25.0					100	Start disp to spot Cont
	1030							Cement spotted - Rig pull Tubing & Rfts
	1048	43.0					175	Rfts @ 4577' - Reverse out around Rfts
	1120	1.5					500	Rfts @ 4451' - to squeeze - Press Ann to 500" - Holding
		2.0						Pumped 2 bbl around Rfts before Setting Tool

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Continued on Page #3

15-199-20230-08-00



JOB LOG HAL-2013-C

DATE 7-31-95
TICKET NO. 939957-7

CUSTOMER Red Oak Energy WELL NO. A 132 LEASE Kuder JOB TYPE Tools - Park Squeeze

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS	C	PRESSURE (PSI)	TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
1123						800/750	500		Press upon Squeeze - 50" drop in 2 min
1125						1000	500		Press @ 1000" - 20" drop in 12 min
1133						1000	"		Close in Tubing - Wash up PT
1207						1000	"		Squeeze Holding 1000"
1237						0			Release press, Squeeze holding
1250									Release RTTs & Run Tub to Top Cement
									Tagged Cement @ 4755' - pull RTTs to 4642'
1313			35.0				150		Reverse out around RTTs (303' Cmt in Csg)
1334							125		Hole Clean - Pull Tub & RTTs (Approx 205K in Parts)
1405						500			RTTs @ 4577' - Press up on Squeeze - Holding
									Close in Tubing & leave overnight
									Complete Paperwork & Pack up PT
									Job Completed

Thank you
Eldon, Dave, mel

RELEASED

NOV 1 1996

FROM CONFIDENTIAL

KCC

OCT 1 2

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

15-199-20230-00-00
1928

ORIGINAL

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

SERVICE POINT:
OAKLEY, KS

DATE <u>7-6-95</u>	SEC <u>32</u>	TWP. <u>15S</u>	RANGE <u>42W</u>	CALLED OUT	ON LOCATION <u>12:15 AM</u>	JOB START <u>4:30 AM</u>	JOB FINISH <u>5:05 AM</u>
LEASE <u>KUDER</u>	WELL # <u>1-A</u>	LOCATION <u>SHARON SPRENGS 135-8W-1N</u>			COUNTY <u>WALLACE</u>	STATE <u>KS</u>	

OLD OR (NEW) (Circle one)

CONTRACTOR ABER CROMBIE RTO RIL #5 OWNER SAME

TYPE OF JOB SURFACE CEMENT

HOLE SIZE 12 1/4" T.D. 365'

CASING SIZE 8 3/4" DEPTH 364'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15' **RELEASED**

PERFS.

AMOUNT ORDERED 240 SKS 60/40 23% CC 226 EL

COMMON	<u>144</u>	SKS	@	<u>7.20</u>	<u>1,036.80</u>
POZMIX	<u>96</u>	SKS	@	<u>3.15</u>	<u>302.40</u>
GEL	<u>4</u>	SKS	@	<u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>8</u>	SKS	@	<u>28.00</u>	<u>224.00</u>
<u>KCC</u>			@		
<u>OCT 12</u>			@		
CONFIDENTIAL			@		
HANDLING	<u>240</u>	SKS	@	<u>1.05</u>	<u>252.00</u>
MILEAGE	<u>4¢</u>	per SK		<u>1 mile</u>	<u>7.10.40</u>
TOTAL					<u>2,563.60</u>

EQUIPMENT NOV 1 1996

FROM CONFIDENTIAL

PUMP TRUCK CEMENTER TERRY

191 HELPER WAYNE

BULK TRUCK

218 DRIVER DEAN

BULK TRUCK

DRIVER

REMARKS:

DISPLACEMENT 22 1/4 BBL.

CEMENT IN CELLAR.

SERVICE

DEPTH OF JOB	<u>364'</u>				
PUMP TRUCK CHARGE				<u>445.00</u>	
EXTRA FOOTAGE	<u>64'</u>	@	<u>4.1¢</u>	<u>26.24</u>	
MILEAGE	<u>74 miles</u>	@	<u>2.35</u>	<u>173.90</u>	
PLUG	<u>85¢ SURFACE</u>	@		<u>45.00</u>	
TOTAL					<u>690.14</u>

CHARGE TO: RED OAK

STREET 200 W Douglas #510

CITY Wichita STATE Kansas ZIP 67202

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.

SIGNATURE W. C. Craig

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
STATE CORPORATION COMMISSION
OCT 13 1995
CONSERVATION DIVISION
Wichita, Kansas