

WELL NAME: Nickelson # 1-29
COMPANY: Ranken Energy Corp
LOCATION: 29-11S-32W
Logan County Kansas
DATE: 08/04/97

TRILOBITE TESTING L.L.C.

OPERATOR : Ranken Energy DATE 8-1-97
 WELL NAME: Nickelson 1-29 KB 3094.00 ft TICKET NO: 9974 DST #1
 LOCATION : 29-11S-32W Logan Cnty KS GR 3089.00 ft FORMATION: Cherokee Johnson
 INTERVAL : 4577.00 To 4648.00 ft TD 4756.00 ft TEST TYPE: CONV. STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057	2342	11058	PF Fr. 1522 to 1552 hr
SI 0	Range(Psi)	4500.0	4500.0	4995.0	4475.0	0.0 IS Fr. to hr
SF 0	Clock(hrs)	12 hr	12 hr	Elec	12 hr	SF Fr. to hr
FS 60	Depth(ft)	4615.0	4615.0	4583.0	4751.0	0.0 FS Fr. 1552 to 1652 hr

	Field	1	2	3	4	
A. Init Hydro	2434.0	2391.0	2365.0	0.0	0.0	T STARTED 1345 hr
B. First Flow	56.0	54.0	14.0	0.0	0.0	T ON BOTM 1518 hr
B1. Final Flow	44.0	32.0	20.0	0.0	0.0	T OPEN 1522 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1652 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	1096.0	1074.0	1095.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2411.0	2283.0	2295.0	0.0	0.0	Tool Wt. 8000.00 lbs
Inside/Outside	O	O	I	S		Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 44000.00 lbs
						Unseated Str Wt 44000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 0.00 in
						D.C. Length 0.00 ft
						D.P. Length 4095.00 ft
						H.W. I.D 2.70 in
						H.W. Length 598.00 ft

RECOVERY

Tot Fluid 15.00 ft of 0.00 ft in DC and 15.00 ft in DP
 15.00 ft of Drilling Mud 100% mud
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Final Shut In:

SAMPLES:

SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.40 lb/c
 Vis. 55.00 S/L
 W.L. 8.00 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 0.00 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 N
 Tester Shane McBride
 Co. Rep. Mark Herndon
 Contr. Abercrombie
 Rig # 8
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV. STRADDLE

WELL NAME: Nickelson 1-29

LOCATION : 29-11S-32W Logan Cnty KS

TICKET No. 9974 D.S.T. No. 1 DATE 8-1-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 55

TOTAL TOOL 75

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STANDS Single Total

P. ANCHOR STANDS 2 Single Total 124

TOTAL ASSEMBLY 199

C. ABOVE TOOLS STANDS Single Total

P. ABOVE TOOLS STANDS 73 Single 1 Total 4570

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4769

TOTAL DEPTH 4756

TOTAL DRILL PIPE ABOVE K.B. 13

REMARKS:

H	P.O. SUB	
H	C.O. SUB 1'	4557
H	S.I. TOOL 5'	4563
H		
H	HMV 5'	4568
H	JARS	
H		
H	SAFETY JOINT	
■	PACKER Top	4572
■	PACKER Bottom	4577
H	DEPTH 4577	
H	STUBB 1'	4578
H	ANCHOR 5' perf	4583
H	1' c.o.	4583
H	Alpine Rec. @ 4583	
H	31' w.pipe	4614
H	1' c.o.	4615
H	Ak-1 Rec. @ 4615	
H	28' perf	4643
H	1' blank off sub	4644
H	3' top of packer	4647
H		
H	T.C.	
H	DEPTH	
■	PACKER straddle packer	4648
H	1' stubb	4649
H	7' perf	4656
H		
H	1' c.o.	4657
H	93' w.pipe	4750
H	1' c.o.	4751
H		
H	Ak-1 Rec. @ 4751	
H		
H	BULLNOSE 5' bullplug	4756
H	T.D.	4756

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9974 DST #1 Nickelson #1-29 Ranken Energy.

DATE: 08/01/97 TIME: 13:38:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	97.00	2364.9	0.0	118.55		
***** Start Flow 1	0.00	13.7	0.0	118.63		
	1.00	14.3	0.7	118.64		
	2.00	14.8	1.1	118.65		
	3.00	15.1	1.4	118.66		
	4.00	15.4	1.8	118.69		
	5.00	15.4	1.8	118.73		
	6.00	15.9	2.3	118.80		
	7.00	16.2	2.5	118.88		
	8.00	16.5	2.9	118.95		
	9.00	16.6	2.9	119.04		
	10.00	16.6	2.9	119.14		
	11.00	16.6	2.9	119.24		
	12.00	16.7	3.0	119.34		
	13.00	16.9	3.2	119.43		
	14.00	17.3	3.6	119.54		
	15.00	17.7	4.0	119.64		
	16.00	18.0	4.3	119.74		
	17.00	18.2	4.5	119.83		
	18.00	18.5	4.8	119.93		
	19.00	18.9	5.2	120.02		
	20.00	19.0	5.3	120.12		
	21.00	19.1	5.5	120.22		
	22.00	19.3	5.6	120.31		
	23.00	19.8	6.1	120.39		
	24.00	19.9	6.2	120.48		
	25.00	20.0	6.3	120.56		
	26.00	20.0	6.3	120.64		
	27.00	19.7	6.0	120.73		
	28.00	19.7	6.0	120.81		
***** End Flow 1	29.00	19.9	6.2	120.89		
***** Start Shutin 1	0.00	19.9	0.0	120.89	0.0000	0.000
	1.00	44.3	24.4	120.96	30.0000	0.002
	2.00	118.2	98.4	121.04	15.5000	0.014
	3.00	250.0	230.1	121.13	10.6667	0.063
	4.00	376.4	356.5	121.22	8.2500	0.142
	5.00	482.3	462.4	121.31	6.8000	0.233
	6.00	569.5	549.6	121.40	5.8333	0.324
	7.00	640.1	620.2	121.49	5.1429	0.410
	8.00	697.0	677.1	121.58	4.6250	0.486
	9.00	744.0	724.1	121.66	4.2222	0.554
	10.00	783.3	763.4	121.75	3.9000	0.614
	11.00	816.3	796.4	121.83	3.6364	0.666
	12.00	844.2	824.3	121.91	3.4167	0.713
	13.00	867.9	848.0	121.98	3.2308	0.753
	14.00	888.7	868.8	122.05	3.0714	0.790
	15.00	906.8	886.9	122.12	2.9333	0.822
	16.00	922.0	902.1	122.19	2.8125	0.850
	17.00	936.0	916.1	122.25	2.7059	0.876
	18.00	948.4	928.5	122.31	2.6111	0.899
	19.00	959.3	939.4	122.37	2.5263	0.920

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DATE: 08/01/97 TIME: 13:38:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
20.00	969.0	949.1	122.42	2.4500	0.939
21.00	978.4	958.5	122.48	2.3810	0.957
22.00	986.5	966.6	122.54	2.3182	0.973
23.00	994.0	974.2	122.57	2.2609	0.988
24.00	1001.2	981.3	122.62	2.2083	1.002
25.00	1007.3	987.4	122.67	2.1600	1.015
26.00	1013.1	993.2	122.72	2.1154	1.026
27.00	1018.5	998.7	122.76	2.0741	1.037
28.00	1023.5	1003.6	122.81	2.0357	1.048
29.00	1028.2	1008.3	122.85	2.0000	1.057
30.00	1032.6	1012.7	122.89	1.9667	1.066
31.00	1036.3	1016.4	122.93	1.9355	1.074
32.00	1040.2	1020.3	122.97	1.9062	1.082
33.00	1044.0	1024.1	123.01	1.8788	1.090
34.00	1047.3	1027.4	123.05	1.8529	1.097
35.00	1050.7	1030.8	123.08	1.8286	1.104
36.00	1053.5	1033.7	123.13	1.8056	1.110
37.00	1056.6	1036.7	123.15	1.7838	1.116
38.00	1058.8	1038.9	123.18	1.7632	1.121
39.00	1061.5	1041.6	123.22	1.7436	1.127
40.00	1063.9	1044.1	123.25	1.7250	1.132
41.00	1066.4	1046.5	123.28	1.7073	1.137
42.00	1068.6	1048.7	123.32	1.6905	1.142
43.00	1070.8	1050.9	123.35	1.6744	1.147
44.00	1072.9	1053.0	123.25	1.6591	1.151
45.00	1074.8	1054.9	123.40	1.6444	1.155
46.00	1076.7	1056.8	123.43	1.6304	1.159
47.00	1078.5	1058.6	123.46	1.6170	1.163
48.00	1080.1	1060.2	123.49	1.6042	1.167
49.00	1081.8	1061.9	123.52	1.5918	1.170
50.00	1083.3	1063.4	123.54	1.5800	1.174
51.00	1084.8	1065.0	123.58	1.5686	1.177
52.00	1086.3	1066.4	123.59	1.5577	1.180
53.00	1087.7	1067.8	123.63	1.5472	1.183
54.00	1089.0	1069.2	123.63	1.5370	1.186
55.00	1090.4	1070.5	123.67	1.5273	1.189
56.00	1091.5	1071.6	123.69	1.5179	1.191
57.00	1092.7	1072.8	123.72	1.5088	1.194
58.00	1093.8	1073.9	123.74	1.5000	1.196
59.00	1095.0	1075.1	123.77	1.4915	1.199
***** End Shut-in 1					
***** Final Hydro.	189.00	2295.2	0.0	123.89	

TEST HISTORY

9974 DST #1 Nickelson #1-29 Ranken Energy.

Flag Points

t<Min.> P< PSig>

A:	0.00	2364.91
B:	0.00	13.67
C:	29.00	19.88
D:	59.00	1095.00
Q:	0.00	2295.17

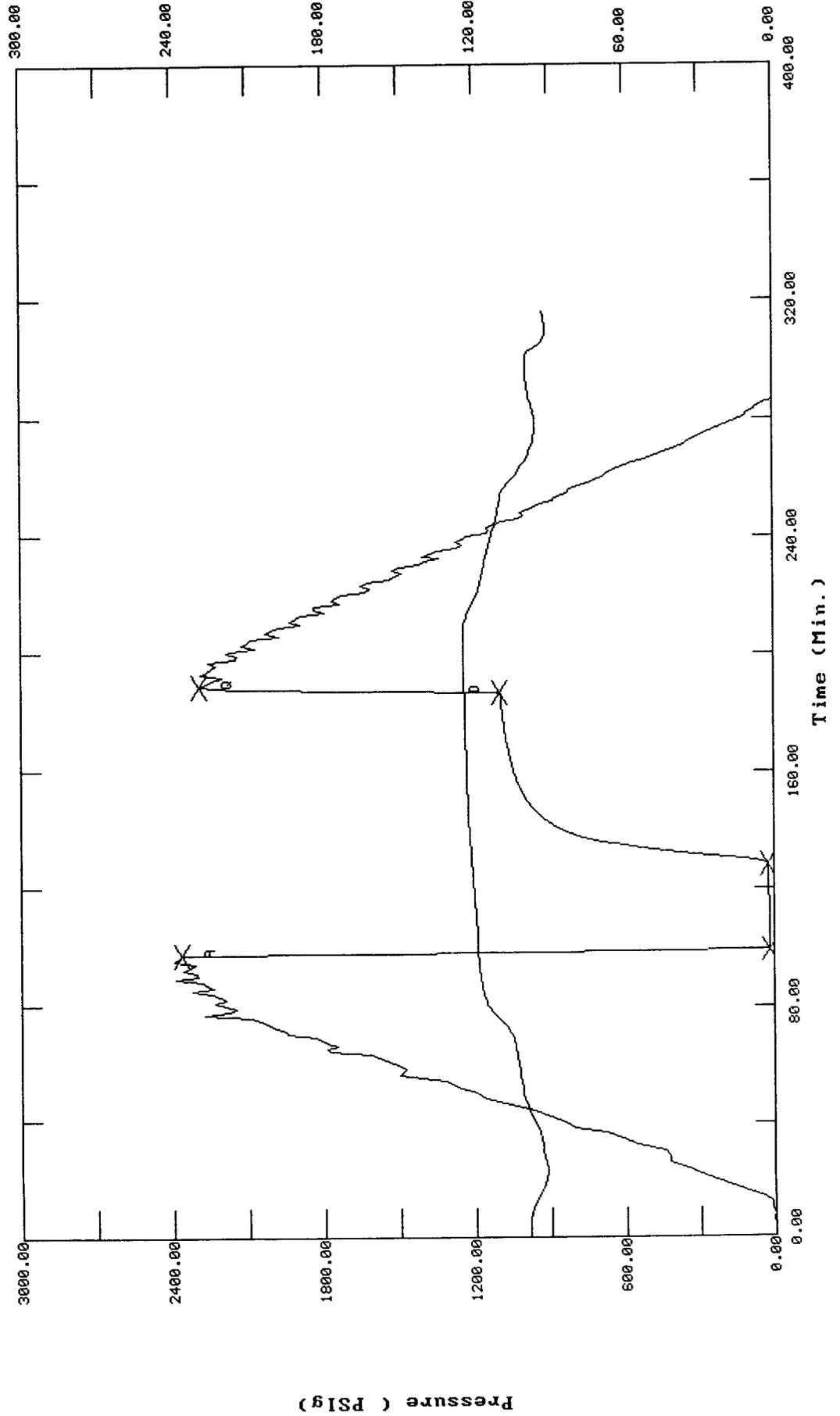
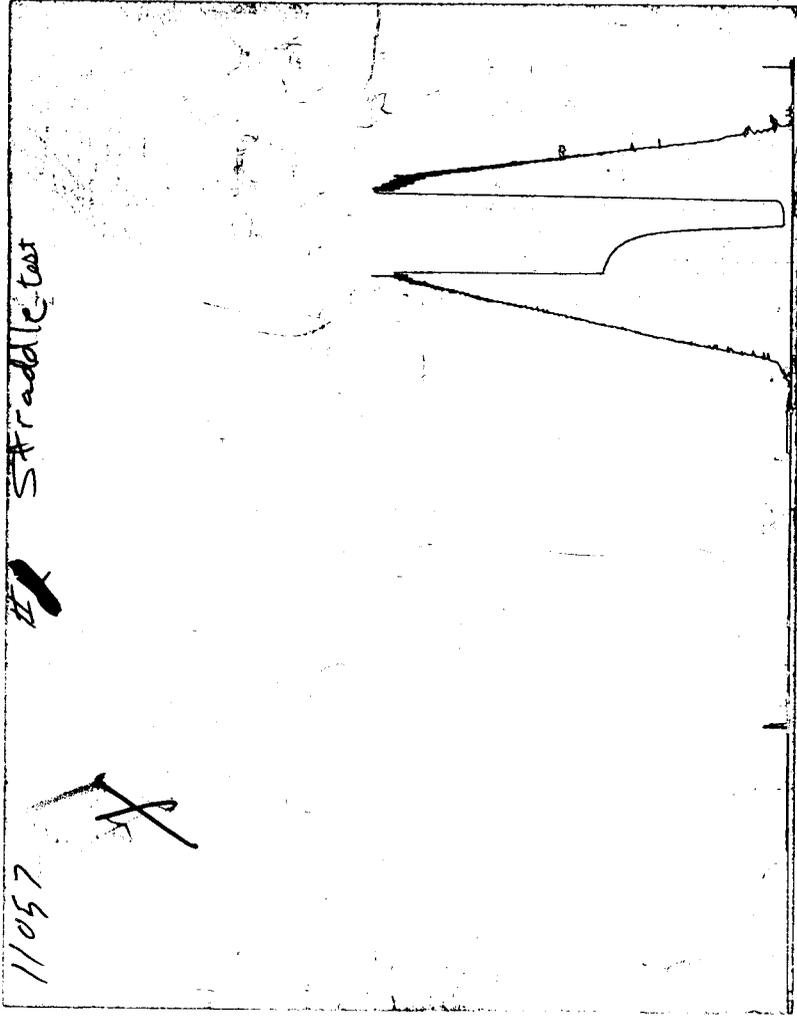
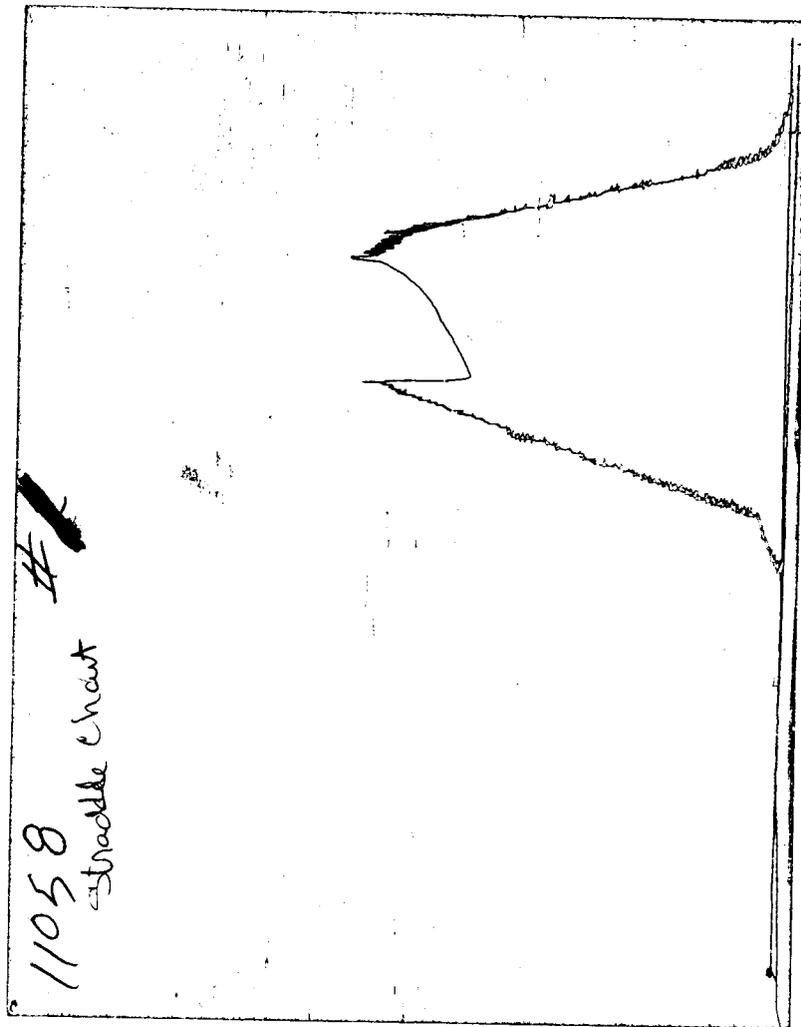


CHART PAGE



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