

WELL NAME: Scott #4-13
COMPANY: ER Operating Co
LOCATION: 13-21S-3W
Kearney County Kansas
DATE: 06/09/97

TRILOBITE TESTING L.L.C.

OPERATOR : ER Operating Co

DATE 6/5/97

WELL NAME: Scott 4-13

KB 3096.00 ft

TICKET NO: 10163

DST #1

LOCATION : 13-21S-3W Kearney Co KS

GR 3091.00 ft

FORMATION: Morrow

INTERVAL : 4822.00 To 4895.00 ft

TD 4895.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	2357			PF Fr. 1840 to 1910 hr
SI 90 Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 1910 to 2040 hr
SF 0 Clock(hrs)	12 hr	12 hr	Elect			SF Fr. to hr
FS 0 Depth(ft)	4862.0	4862.0	4825.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2481.0	2502.0	2453.0	0.0	0.0	T STARTED 1620 hr
B. First Flow	49.0	62.0	20.0	0.0	0.0	T ON BOTM 1838 hr
B1. Final Flow	49.0	63.0	32.0	0.0	0.0	T OPEN 1840 hr
C. In Shut-in	531.0	540.0	534.0	0.0	0.0	T PULLED 2040 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 2300 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2390.0	2457.0	2423.0	0.0	0.0	Tool Wt. 1500.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4824.00 ft

RECOVERY

Tot Fluid 15.00 ft of 0.00 ft in DC and 15.00 ft in DP
 15.00 ft of Slightly oil cut mud 2%oil 98%mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:
 Weak died in 16 minutes

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	49.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Wayne Lebsack
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Scott 4-13

LOCATION : 13-21-35- Kearny Co Ks

TICKET No. 10163 D.S.T. No. 1 DATE 6-5-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 41

TOTAL TOOL 69

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 32

TOTAL ASSEMBLY 101

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands79 Single Total 4824

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4925

TOTAL DEPTH 4895

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

P.O. SUB	
C.O. SUB	4794
S.I. TOOL Sterling	4800
HMV Sterling	4805
JARS Bowen	4810
SAFETY JOINT Bowen	4813
PACKER	4817
PACKER	4822
DEPTH 4822	
STUBB 1'	4823
ANCHOR 1' Co Sub	4824
Alpine Recorder	4825
1 Jt Dp 32'	4856
1' Co Sub	4857
5' Perfs	4862
5' Perfs	4867
5' Perfs	4872
T.C.	
DEPTH	
5' Perfs	4877
5' Perfs	4882
5' Perfs	4887
3' Perfs	4890
AK-1 Recorder	4892
BULLNOSE 5' Bullplug	4895
T.D.	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10163 DST# 1 Scott 4-13 ER Operating Co

DATE: 06/05/97 TIME: 16:19:47

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	137.00	2453.1	0.0	109.38		
***** Start Flow 1	0.00	19.7	0.0	109.54		
	1.00	23.7	4.0	109.56		
	2.00	25.0	5.3	109.60		
	3.00	24.9	5.2	109.67		
	4.00	24.3	4.6	109.77		
	5.00	24.8	5.0	109.88		
	6.00	26.0	6.3	109.99		
	7.00	26.1	6.4	110.10		
	8.00	26.1	6.4	110.20		
	9.00	26.1	6.4	110.30		
	10.00	26.3	6.5	110.38		
	11.00	26.3	6.6	110.47		
	12.00	26.3	6.6	110.54		
	13.00	26.5	6.8	110.61		
	14.00	26.7	7.0	110.67		
	15.00	26.8	7.0	110.73		
	16.00	27.1	7.4	110.78		
	17.00	27.4	7.7	110.82		
	18.00	27.5	7.8	110.86		
	19.00	28.0	8.3	110.90		
	20.00	28.2	8.5	110.94		
	21.00	28.2	8.5	110.97		
	22.00	28.6	8.9	111.00		
	23.00	28.8	9.1	111.02		
	24.00	29.0	9.3	111.06		
	25.00	29.4	9.7	111.09		
	26.00	29.5	9.8	111.13		
	27.00	29.5	9.8	111.17		
	28.00	29.7	10	111.23		
	29.00	29.9	10.2	111.33		
***** End Flow 1	30.00	31.7	12.0	111.46		
***** Start Shutin 1	0.00	31.7	0.0	111.46	0.0000	0.001
	1.00	1746.9	1715.1	111.72	31.0000	3.052
	2.00	1657.3	1625.6	111.97	16.0000	2.747
	3.00	36.7	5.0	112.13	11.0000	0.001
	4.00	2421.3	2389.6	112.37	8.5000	5.863
	5.00	61.6	29.9	112.46	7.0000	0.004
	6.00	99.9	68.1	112.57	6.0000	0.01
	7.00	141.0	109.3	112.65	5.2857	0.020
	8.00	184.9	153.2	112.71	4.7500	0.034
	9.00	228.4	196.7	112.75	4.3333	0.052
	10.00	269.0	237.3	112.79	4.0000	0.072
	11.00	305.8	274.1	112.82	3.7273	0.094
	12.00	337.5	305.8	112.84	3.5000	0.114
	13.00	364.9	333.2	112.87	3.3077	0.133
	14.00	387.6	355.9	112.89	3.1429	0.150
	15.00	406.4	374.7	112.91	3.0000	0.165
	16.00	422.1	390.3	112.93	2.8750	0.178
	17.00	435.0	403.3	112.95	2.7647	0.189
	18.00	445.4	413.7	112.97	2.6667	0.198

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
19.00	454.2	422.5	112.98	2.5789	0.206
20.00	465.5	433.8	113.01	2.5000	0.217
21.00	471.8	440.1	113.03	2.4286	0.223
22.00	477.5	445.7	113.05	2.3636	0.228
23.00	481.8	450.1	113.07	2.3043	0.232
24.00	485.9	454.2	113.08	2.2500	0.236
25.00	489.3	457.6	113.10	2.2000	0.239
26.00	492.4	460.7	113.12	2.1538	0.242
27.00	495.2	463.4	113.13	2.1111	0.245
28.00	497.6	465.9	113.14	2.0714	0.248
29.00	499.8	468.1	113.16	2.0345	0.250
30.00	501.7	470.0	113.18	2.0000	0.252
31.00	503.6	471.8	113.19	1.9677	0.254
32.00	505.2	473.5	113.20	1.9375	0.255
33.00	506.9	475.2	113.23	1.9091	0.257
34.00	508.3	476.5	113.23	1.8824	0.258
35.00	509.7	478.0	113.25	1.8571	0.260
36.00	511.0	479.3	113.26	1.8333	0.261
37.00	512.0	480.3	113.28	1.8108	0.262
38.00	513.0	481.3	113.30	1.7895	0.263
39.00	514.0	482.3	113.31	1.7692	0.264
40.00	514.9	483.2	113.32	1.7500	0.265
41.00	515.8	484.1	113.34	1.7317	0.266
42.00	516.6	484.9	113.36	1.7143	0.267
43.00	517.3	485.6	113.37	1.6977	0.268
44.00	518.2	486.4	113.39	1.6818	0.268
45.00	518.9	487.2	113.40	1.6667	0.269
46.00	519.6	487.9	113.42	1.6522	0.270
47.00	520.3	488.6	113.43	1.6383	0.271
48.00	521.1	489.4	113.45	1.6250	0.272
49.00	521.7	490.0	113.46	1.6122	0.272
50.00	522.3	490.6	113.48	1.6000	0.273
51.00	522.9	491.2	113.49	1.5882	0.273
52.00	523.4	491.7	113.51	1.5769	0.274
53.00	523.9	492.2	113.53	1.5660	0.274
54.00	524.3	492.6	113.53	1.5556	0.275
55.00	524.8	493.1	113.56	1.5455	0.275
56.00	525.3	493.6	113.57	1.5357	0.276
57.00	525.8	494.1	113.58	1.5263	0.276
58.00	526.1	494.3	113.60	1.5172	0.277
59.00	526.5	494.8	113.62	1.5085	0.277
60.00	526.9	495.2	113.63	1.5000	0.278
61.00	527.4	495.7	113.65	1.4918	0.278
62.00	527.6	495.9	113.67	1.4839	0.278
63.00	528.0	496.3	113.68	1.4762	0.279
64.00	528.3	496.6	113.69	1.4688	0.279
65.00	528.6	496.9	113.71	1.4615	0.279
66.00	528.9	497.2	113.73	1.4545	0.280
67.00	529.2	497.4	113.74	1.4478	0.280
68.00	529.5	497.8	113.76	1.4412	0.280
69.00	529.7	498.0	113.77	1.4348	0.281

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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	70.00	529.9	498.2	113.78	1.4286	0.281
	71.00	530.2	498.5	113.81	1.4225	0.281
	72.00	530.5	498.8	113.82	1.4167	0.281
	73.00	530.8	499.0	113.83	1.4110	0.282
	74.00	531.0	499.3	113.84	1.4054	0.282
	75.00	531.2	499.5	113.86	1.4000	0.282
	76.00	531.4	499.7	113.87	1.3947	0.282
	77.00	531.6	499.9	113.89	1.3896	0.283
	78.00	531.8	500.1	113.91	1.3846	0.283
	79.00	532.0	500.3	113.92	1.3797	0.283
	80.00	532.2	500.5	113.94	1.3750	0.283
	81.00	532.3	500.6	113.95	1.3704	0.283
	82.00	532.5	500.8	113.96	1.3659	0.284
	83.00	532.6	500.9	113.97	1.3614	0.284
	84.00	532.8	501.1	113.99	1.3571	0.284
	85.00	533.1	501.4	114.01	1.3529	0.284
	86.00	533.2	501.5	114.02	1.3488	0.284
	87.00	533.4	501.7	114.04	1.3448	0.285
	88.00	533.6	501.9	114.05	1.3409	0.285
	89.00	533.7	502.0	114.06	1.3371	0.285
	90.00	533.8	502.1	114.08	1.3333	0.285
***** End Shut-in 1	91.00	534.1	502.4	114.09	1.3297	0.285
***** Final Hydro.	262.00	2423.4	0.0	114.21		

TEST HISTORY

Tk# 10163 DST# 1 Scott 4-13 ER Operating Co

Flag Points

t<Min.> P< PSig>

A: 0.00 2453.12
 B: 0.00 19.71
 C: 30.00 31.72
 D: 91.00 534.11
 Q: 0.00 2423.41

