

WELL NAME: Alexander #1
COMPANY: Lotus Operating Co.
LOCATION: 33-31S-15W
Barber County, Kansas
DATE: 6/22/98

TRILOBITE TESTING L.L.C.

OPERATOR : Lotus Operating Co.

DATE 6-16-98

WELL NAME: Alexander #1

KB 1935.00 ft

TICKET NO: 11804

DST #1

LOCATION : 33-31S-15W Barber KS

GR 1927.00 ft

FORMATION: Marmaton

INTERVAL : 4610.00 To 4695.00 ft

TD 4695.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	13788			PF Fr. 1655 to 1725 hr
SI 45 Range(Psi)	4400.0	4400.0	4650.0	0.0	0.0	IS Fr. 1725 to 1810 hr
SF 30 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 1810 to 1840 hr
FS 45 Depth(ft)	4620.0	4620.0	4692.0	0.0	0.0	FS Fr. 1840 to 1925 hr

	Field	1	2	3	4	
A. Init Hydro	2129.0	2130.0	0.0	0.0	0.0	T STARTED 1500 hr
B. First Flow	28.0	43.0	0.0	0.0	0.0	T ON BOTM 1650 hr
B1. Final Flow	28.0	40.0	0.0	0.0	0.0	T OPEN 1655 hr
C. In Shut-in	34.0	51.0	0.0	0.0	0.0	T PULLED 1926 hr
D. Init Flow	29.0	40.0	0.0	0.0	0.0	T OUT 2055 hr
E. Final Flow	29.0	40.0	0.0	0.0	0.0	
F. Fl Shut-in	32.0	48.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2118.0	2130.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 52000.00 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 4605.00 ft

RECOVERY

Tot Fluid 10.00 ft of 0.00 ft in DC and 10.00 ft in DP

112.00 ft of Gas in pipe

10.00 ft of Mud with oil specs

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 3000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak to fair blow (slow increase to 3 1/2"-4")

Final Flow:

Very weak blow dead in 25 mins.

SAMPLES:

SENT TO:

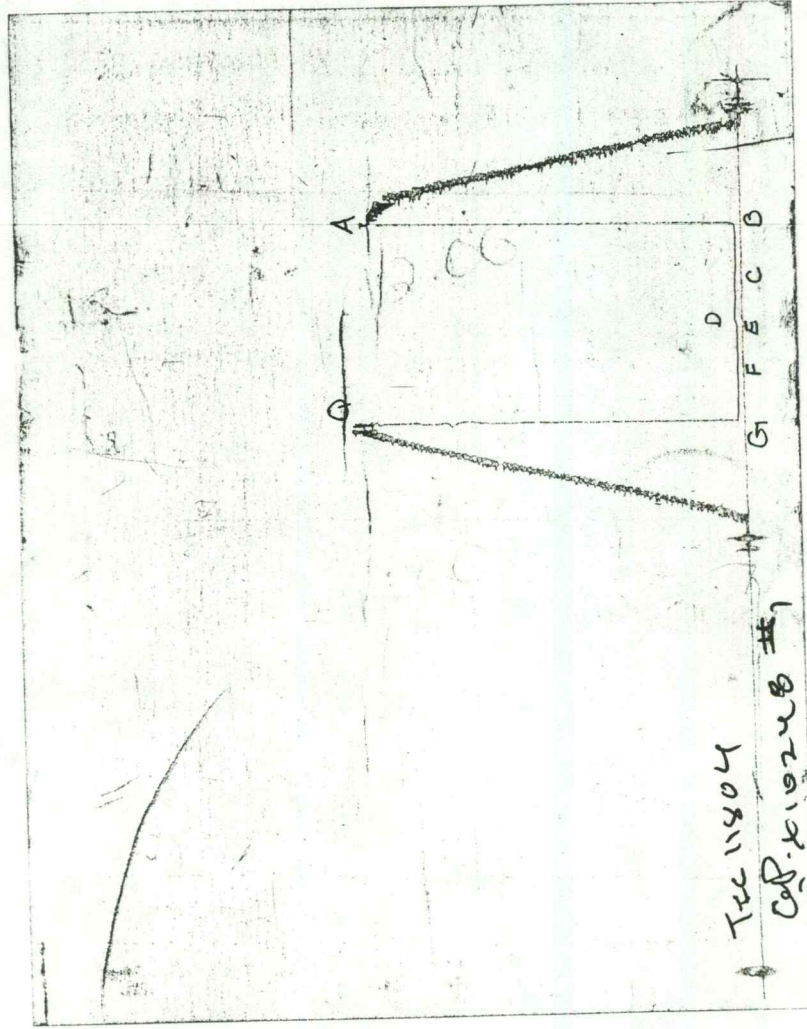
MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	44.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Tim Hellman
Contr.	Duke Drilling
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Lotus Oper.Co.LLC

DATE 06-18-98

WELL NAME: Alexander #1

KB 1935.00 ft

TICKET NO: 11805 DST #2

LOCATION : 33-31s-15w Barber KS

GR 1927.00 ft

FORMATION: Miss

INTERVAL : 4700.00 To 4750.00 ft

TD 4961.00 ft

TEST TYPE: CONV/STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13789	13789	2342	10248		PF Fr. 0556 to 0641 hr
SI 45 Range(Psi)	4650.0	4650.0	4995.0	4400.0	0.0	IS Fr. 0641 to 0726 hr
SF 45 Clock(hrs)	12 hr	12 hr	batt.	12 hr		SF Fr. 0726 to 0811 hr
FS 45 Depth(ft)	4744.0	4744.0	4708.0	4958.0	0.0	FS Fr. 0811 to 0856 hr

	Field	1	2	3	4	
A. Init Hydro	2237.0	2251.0	2333.0	0.0	0.0	T STARTED 0355 hr
B. First Flow	21.0	26.0	28.0	0.0	0.0	T ON BOTM 0550 hr
B1. Final Flow	21.0	26.0	30.0	0.0	0.0	T OPEN 0556 hr
C. In Shut-in	63.0	62.0	69.0	0.0	0.0	T PULLED 0859 hr
D. Init Flow	21.0	26.0	29.0	0.0	0.0	T OUT 1100 hr
E. Final Flow	21.0	27.0	32.0	0.0	0.0	
F. Fl Shut-in	51.0	47.0	52.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2193.0	2203.0	2267.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 56000.00 lbs
						Unseated Str Wt 56000.00 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 4692.00 ft

RECOVERY

Tot Fluid 33.00 ft of 0.00 ft in DC and 33.00 ft in DP
 33.00 ft of Heavy 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 Rw n/c ohms @ degrees F.
 0.00 ft of EST FT. of PAY-----18
 SALINITY 3000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	48.00 S/L
W.L.	12.00 in3
F.C.	0.20 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:
 Weak blow (1-3") Decreasing to nearly
 dead after 45 mins.
 Initial Shut-in:
 No blow
 Final Flow:
 No blow
 Final Shut-in:
 No blow

Amt. of fill	2.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	Good
% Porosity	20.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Tim Hellman
Contr.	Duke Drlg.
Rig #	2
Unit #	
Pump T.	LCM 2 #/bl

SAMPLES:

SENT TO:Caraway/Liberal

Test Successful: Y

*** TOOL DIAGRAM *** CONV/STRADDLE

WELL NAME: Alexander #1

LOCATION : 33-31s-15w Barber KS

TICKET No. 11805 D.S.T. No. 2 DATE 06-18-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL 18

BOTTOM PACKERS AND ANCHOR 24

TOTAL TOOL 64

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 3 Single 1 Total 219

TOTAL ASSEMBLY 283

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 76 Single Total 4692

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4975

TOTAL DEPTH 4961

TOTAL DRILL PIPE ABOVE K.B. 14

REMARKS:

Comments:

P.O. SUB	
C.O. SUB @ top of tool	4678
S.I. TOOL Sterling	4684
HMV Sterling	4689
JARS no	
SAFETY JOINT Bowen	4691
PACKER Top	4695
PACKER Btm.	4700
DEPTH 4700	
STUBB 1 ft.	4701
ANCHOR	
2' perms & sub to	4704
Alpine rec. @	4708
1 jt.pipe & sub to	4736
Ak-1 rec @	4744
10 ft. perms to	4746
B.O. sub to	4747
T.C. 3 ft. to	4750
DEPTH 4750	
PACKER Straddle	4750
Stubb 1 ft. to	4751
16 ft. perms to	4767
3 stds pipe & subs to	4956
AK-1 rec. @	4958
BULLNOSE 5 ft. perforated	4961
T.D.	

TEST HISTORY 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.

Flag Points

t(Min.) P(PSig)

A: 0.00 2332.60
 B: 0.00 28.19
 C: 45.00 30.46
 D: 44.00 68.90
 E: 0.00 28.69
 F: 44.50 32.14
 G: 49.00 51.77
 Q: 0.00 2267.39

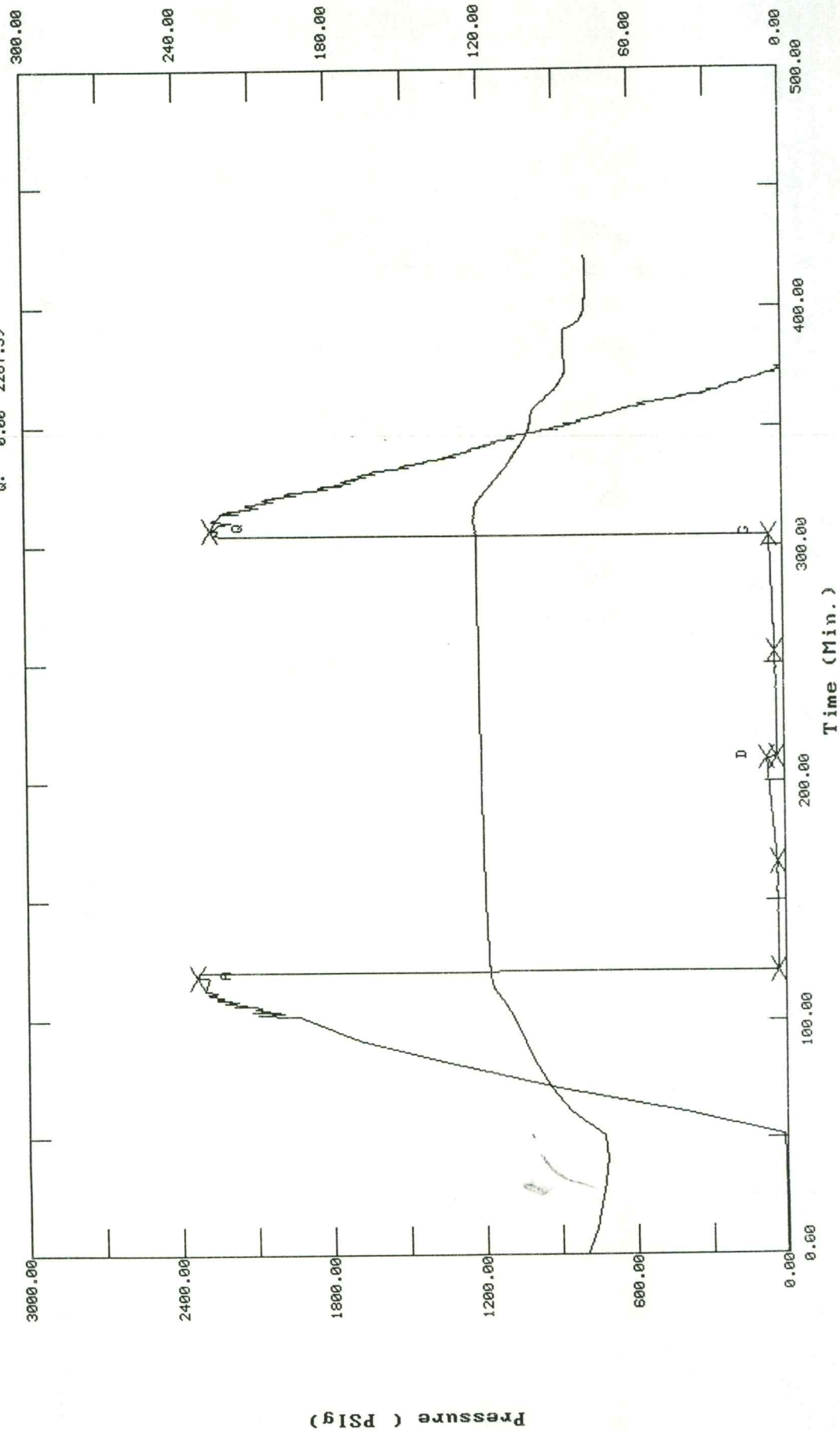
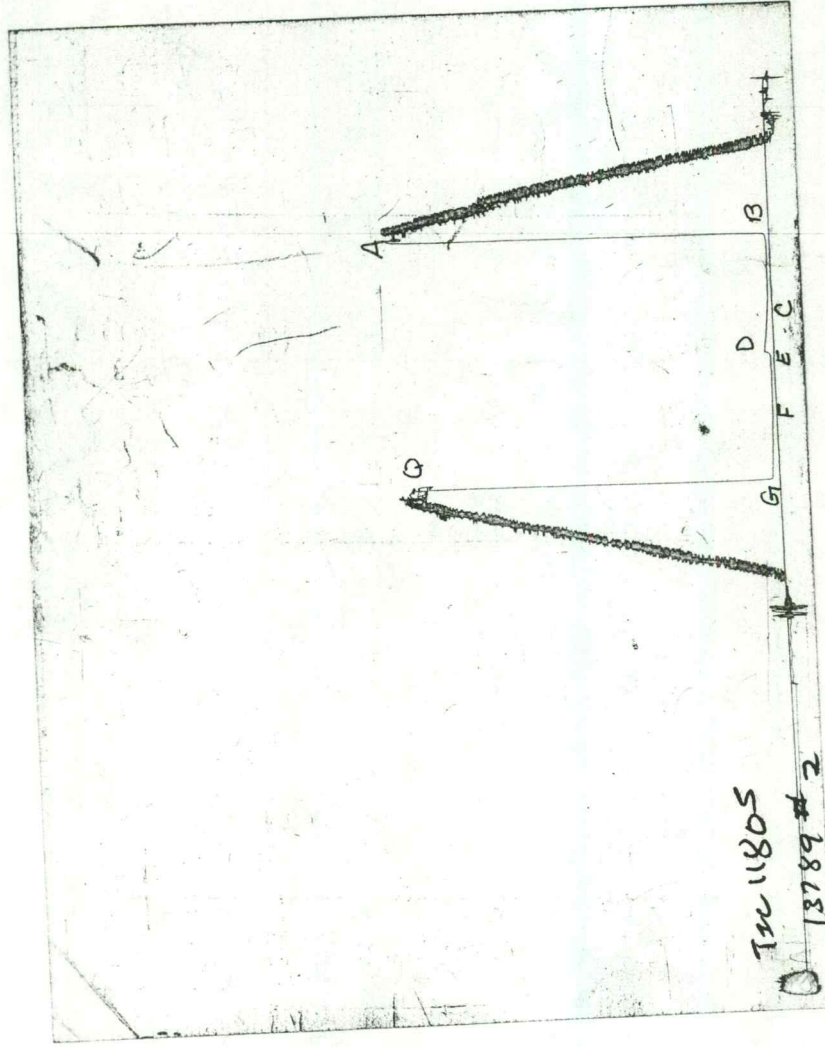
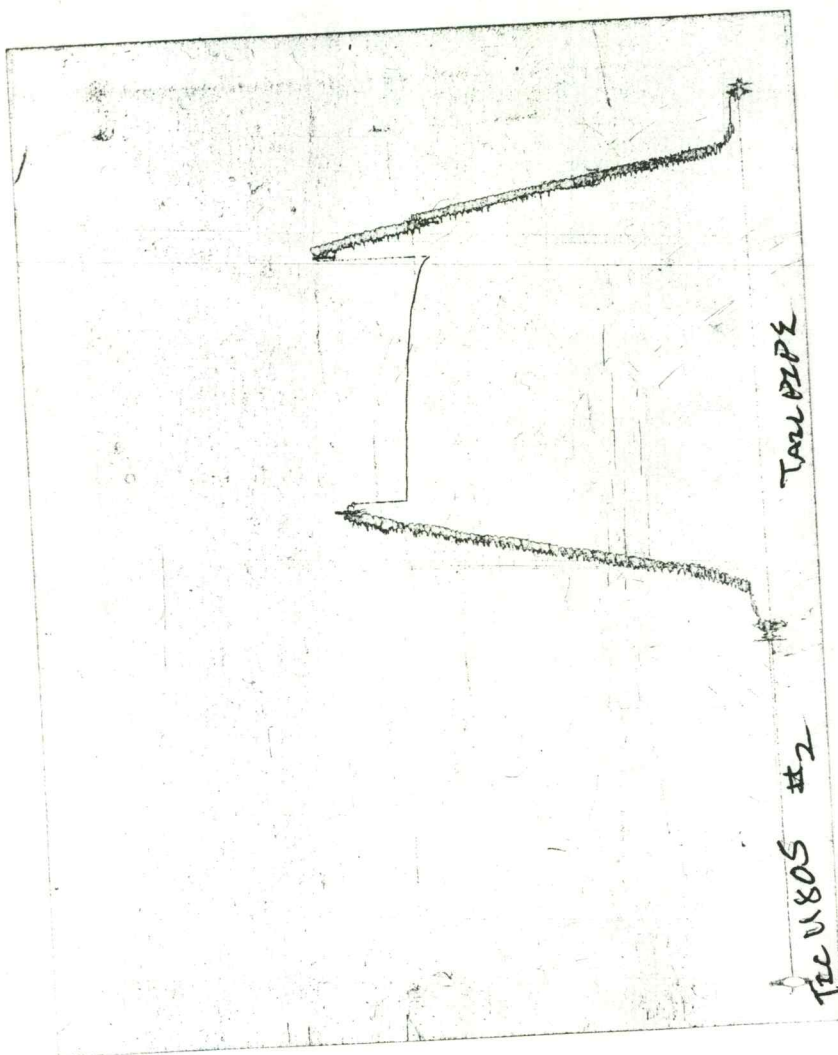


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.

DATE: 06/18/98 TIME: 03:55:22

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	118.50	2332.6	0.0	117.40		
***** Start Flow 1	0.00	28.2	0.0	117.76		
	0.50	25.2	-3.0	117.77		
	1.00	25.3	-2.9	117.80		
	1.50	27.8	-0.4	117.82		
	2.00	25.7	-2.5	117.84		
	2.50	25.9	-2.3	117.87		
	3.00	27.2	-1.0	117.88		
	3.50	27.2	-1.0	117.90		
	4.00	27.8	-0.4	117.93		
	4.50	26.7	-1.5	117.95		
	5.00	27.2	-1.0	117.98		
	5.50	27.7	-0.5	118.00		
	6.00	28.4	0.2	118.04		
	6.50	28.5	0.3	118.07		
	7.00	28.7	0.5	118.10		
	7.50	27.9	-0.3	118.14		
	8.00	27.9	-0.3	118.17		
	8.50	28.4	0.3	118.20		
	9.00	28.4	0.2	118.23		
	9.50	28.7	0.5	118.27		
	10.00	28.9	0.7	118.29		
	10.50	28.7	0.5	118.32		
	11.00	28.9	0.7	118.35		
	11.50	28.3	0.1	118.38		
	12.00	28.3	0.1	118.41		
	12.50	28.2	-0.0	118.44		
	13.00	28.4	0.3	118.47		
	13.50	28.4	0.3	118.50		
	14.00	28.7	0.5	118.52		
	14.50	28.9	0.7	118.55		
	15.00	29.1	0.9	118.58		
	15.50	29.1	0.9	118.61		
	16.00	29.3	1.1	118.64		
	16.50	29.5	1.3	118.66		
	17.00	29.6	1.4	118.69		
	17.50	29.4	1.2	118.71		
	18.00	29.1	0.9	118.74		
	18.50	28.9	0.7	118.76		
	19.00	29.6	1.4	118.79		
	19.50	29.1	0.9	118.81		
	20.00	28.5	0.3	118.83		
	20.50	29.4	1.2	118.86		
	21.00	29.0	0.8	118.88		
	21.50	28.9	0.8	118.90		
	22.00	29.3	1.1	118.93		
	22.50	29.5	1.3	118.95		
	23.00	29.7	1.5	118.96		
	23.50	30.3	2.1	118.99		
	24.00	30.8	2.6	119.01		
	24.50	30.2	2.0	119.04		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.

DATE: 06/18/98

TIME: 03:55:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
25.00	29.2	1.0	119.06		
25.50	29.8	1.6	119.07		
26.00	29.4	1.2	119.09		
26.50	29.9	1.7	119.12		
27.00	29.4	1.2	119.13		
27.50	30.0	1.8	119.16		
28.00	29.5	1.3	119.17		
28.50	30.1	1.9	119.19		
29.00	29.5	1.3	119.22		
29.50	30.1	1.9	119.24		
30.00	29.9	1.7	119.26		
30.50	29.8	1.6	119.28		
31.00	30.1	1.9	119.30		
31.50	30.2	2.0	119.30		
32.00	30.5	2.3	119.28		
32.50	30.7	2.5	119.33		
33.00	30.9	2.7	119.34		
33.50	31.0	2.9	119.36		
34.00	31.1	2.9	119.38		
34.50	30.0	1.8	119.39		
35.00	29.5	1.3	119.42		
35.50	30.0	1.8	119.43		
36.00	30.2	2.0	119.44		
36.50	30.1	1.9	119.44		
37.00	30.0	1.8	119.45		
37.50	30.3	2.1	119.49		
38.00	30.0	1.8	119.50		
38.50	30.3	2.1	119.53		
39.00	30.5	2.3	119.54		
39.50	30.5	2.3	119.56		
40.00	30.7	2.5	119.57		
40.50	31.0	2.8	119.59		
41.00	31.4	3.2	119.61		
41.50	31.6	3.4	119.62		
42.00	31.4	3.2	119.63		
42.50	29.7	1.5	119.63		
43.00	29.9	1.7	119.66		
43.50	30.4	2.2	119.68		
44.00	30.6	2.4	119.69		
44.50	30.2	2.0	119.71		
45.00	30.5	2.3	119.72		

***** End Flow 1

***** Start Shutin 1	0.00	30.5	0.0	119.72	0.0000	0.001
	0.50	30.5	0.0	119.73	91.0000	0.001
	1.00	30.9	0.4	119.74	46.0000	0.001
	1.50	31.2	0.8	119.76	31.0000	0.001
	2.00	31.7	1.3	119.78	23.5000	0.001
	2.50	32.1	1.7	119.79	19.0000	0.001
	3.00	32.6	2.1	119.81	16.0000	0.001
	3.50	33.1	2.7	119.82	13.8571	0.001
	4.00	33.6	3.1	119.83	12.2500	0.001
	4.50	34.0	3.5	119.84	11.0000	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.

DATE: 06/18/98

TIME: 03:55:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
5.00	34.4	3.9	119.85	10.0000	0.001
5.50	34.9	4.4	119.86	9.1818	0.001
6.00	35.3	4.9	119.89	8.5000	0.001
6.50	35.8	5.4	119.90	7.9231	0.001
7.00	36.2	5.8	119.90	7.4286	0.001
7.50	36.7	6.2	119.92	7.0000	0.001
8.00	37.1	6.6	119.93	6.6250	0.001
8.50	37.6	7.1	119.94	6.2941	0.001
9.00	38.0	7.6	119.96	6.0000	0.001
9.50	38.5	8.1	119.96	5.7368	0.001
10.00	39.0	8.6	119.98	5.5000	0.002
10.50	39.4	9.0	120.00	5.2857	0.002
11.00	39.9	9.4	120.00	5.0909	0.002
11.50	40.3	9.8	120.02	4.9130	0.002
12.00	40.8	10.3	120.03	4.7500	0.002
12.50	41.2	10.7	120.04	4.6000	0.002
13.00	41.6	11.2	120.06	4.4615	0.002
13.50	42.1	11.7	120.06	4.3333	0.002
14.00	42.5	12.1	120.08	4.2143	0.002
14.50	43.0	12.6	120.09	4.1034	0.002
15.00	43.5	13.0	120.09	4.0000	0.002
15.50	43.9	13.4	120.11	3.9032	0.002
16.00	44.3	13.8	120.12	3.8125	0.002
16.50	44.7	14.3	120.14	3.7273	0.002
17.00	45.1	14.7	120.14	3.6471	0.002
17.50	45.7	15.3	120.15	3.5714	0.002
18.00	46.2	15.7	120.17	3.5000	0.002
18.50	46.6	16.1	120.17	3.4324	0.002
19.00	47.0	16.5	120.19	3.3684	0.002
19.50	47.5	17.0	120.20	3.3077	0.002
20.00	47.9	17.5	120.21	3.2500	0.002
20.50	48.3	17.9	120.21	3.1951	0.002
21.00	48.8	18.3	120.23	3.1429	0.002
21.50	49.3	18.8	120.25	3.0930	0.002
22.00	49.7	19.2	120.25	3.0455	0.002
22.50	50.1	19.6	120.26	3.0000	0.003
23.00	50.5	20.1	120.27	2.9565	0.003
23.50	51.0	20.6	120.28	2.9149	0.003
24.00	51.4	21.0	120.30	2.8750	0.003
24.50	51.9	21.4	120.31	2.8367	0.003
25.00	52.4	21.9	120.31	2.8000	0.003
25.50	52.8	22.3	120.32	2.7647	0.003
26.00	53.3	22.8	120.33	2.7308	0.003
26.50	53.7	23.2	120.34	2.6981	0.003
27.00	54.2	23.8	120.35	2.6667	0.003
27.50	54.6	24.2	120.36	2.6364	0.003
28.00	55.0	24.6	120.37	2.6071	0.003
28.50	55.6	25.1	120.38	2.5789	0.003
29.00	56.0	25.5	120.39	2.5517	0.003
29.50	56.4	25.9	120.40	2.5254	0.003
30.00	56.9	26.4	120.41	2.5000	0.003

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.
 DATE: 06/18/98 TIME: 03:55:22

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	30.50	57.3	26.9	120.42	2.4754	0.003
	31.00	57.8	27.4	120.44	2.4516	0.003
	31.50	58.2	27.8	120.44	2.4286	0.003
	32.00	58.7	28.3	120.45	2.4062	0.003
	32.50	59.2	28.7	120.46	2.3846	0.003
	33.00	59.7	29.2	120.47	2.3636	0.004
	33.50	60.1	29.6	120.48	2.3433	0.004
	34.00	60.5	30.0	120.49	2.3235	0.004
	34.50	60.8	30.4	120.49	2.3043	0.004
	35.00	61.3	30.9	120.51	2.2857	0.004
	35.50	61.8	31.4	120.51	2.2676	0.004
	36.00	62.3	31.8	120.52	2.2500	0.004
	36.50	62.7	32.2	120.53	2.2329	0.004
	37.00	63.1	32.6	120.53	2.2162	0.004
	37.50	63.5	33.1	120.54	2.2000	0.004
	38.00	64.0	33.6	120.56	2.1842	0.004
	38.50	64.4	33.9	120.56	2.1688	0.004
	39.00	64.8	34.3	120.58	2.1538	0.004
	39.50	65.3	34.8	120.58	2.1392	0.004
	40.00	65.6	35.2	120.58	2.1250	0.004
	40.50	66.0	35.6	120.59	2.1111	0.004
	41.00	66.5	36.0	120.60	2.0976	0.004
	41.50	66.8	36.3	120.62	2.0843	0.004
	42.00	67.2	36.8	120.63	2.0714	0.005
	42.50	67.6	37.2	120.63	2.0588	0.005
	43.00	68.1	37.6	120.64	2.0465	0.005
	43.50	68.5	38.0	120.65	2.0345	0.005
***** End Shut-in 1	44.00	68.9	38.4	120.66	2.0227	0.005
***** Start Flow 2	0.00	28.7	0.0	120.67		
	0.50	27.1	-1.6	120.67		
	1.00	27.5	-1.2	120.68		
	1.50	28.0	-0.7	120.69		
	2.00	27.8	-0.9	120.69		
	2.50	27.4	-1.3	120.68		
	3.00	27.6	-1.1	120.70		
	3.50	27.9	-0.8	120.71		
	4.00	28.3	-0.4	120.72		
	4.50	28.5	-0.2	120.73		
	5.00	28.0	-0.7	120.74		
	5.50	28.2	-0.5	120.74		
	6.00	28.3	-0.4	120.75		
	6.50	28.5	-0.2	120.76		
	7.00	28.9	0.2	120.77		
	7.50	29.1	0.4	120.77		
	8.00	27.7	-1.0	120.78		
	8.50	27.9	-0.8	120.79		
	9.00	28.1	-0.6	120.80		
	9.50	28.4	-0.3	120.80		
	10.00	28.7	0.0	120.81		
	10.50	28.9	0.3	120.83		
	11.00	29.2	0.5	120.83		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.

DATE: 06/18/98

TIME: 03:55:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
11.50	29.5	0.8	120.83		
12.00	29.6	0.9	120.84		
12.50	27.6	-1.1	120.85		
13.00	27.9	-0.8	120.86		
13.50	28.1	-0.6	120.87		
14.00	28.4	-0.3	120.87		
14.50	28.7	0.0	120.88		
15.00	28.9	0.3	120.88		
15.50	29.2	0.5	120.90		
16.00	29.5	0.8	120.90		
16.50	29.6	0.9	120.91		
17.00	29.8	1.1	120.91		
17.50	30.0	1.3	120.93		
18.00	30.3	1.6	120.94		
18.50	28.0	-0.7	120.94		
19.00	28.2	-0.5	120.94		
19.50	28.4	-0.3	120.95		
20.00	28.8	0.1	120.96		
20.50	29.0	0.3	120.96		
21.00	29.3	0.6	120.97		
21.50	29.5	0.8	120.98		
22.00	29.6	0.9	120.99		
22.50	29.6	0.9	121.00		
23.00	28.6	-0.1	121.00		
23.50	28.8	0.1	121.01		
24.00	29.0	0.3	121.02		
24.50	29.3	0.6	121.02		
25.00	29.5	0.8	121.03		
25.50	29.6	0.9	121.03		
26.00	29.7	1.0	121.04		
26.50	29.9	1.2	121.05		
27.00	30.0	1.3	121.05		
27.50	30.3	1.6	121.06		
28.00	30.5	1.8	121.06		
28.50	30.6	1.9	121.08		
29.00	30.8	2.1	121.07		
29.50	28.9	0.3	121.09		
30.00	29.0	0.3	121.10		
30.50	29.3	0.6	121.10		
31.00	29.5	0.8	121.11		
31.50	29.7	1.0	121.11		
32.00	29.9	1.2	121.11		
32.50	30.0	1.3	121.11		
33.00	30.2	1.5	121.13		
33.50	30.5	1.8	121.14		
34.00	30.6	1.9	121.15		
34.50	30.9	2.2	121.15		
35.00	31.0	2.3	121.16		
35.50	31.1	2.4	121.17		
36.00	31.1	2.4	121.17		
36.50	31.2	2.5	121.18		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.
 DATE: 06/18/98 TIME: 03:55:22

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	37.00	31.0	2.4	121.18		
	37.50	30.5	1.8	121.19		
	38.00	30.6	1.9	121.19		
	38.50	30.9	2.2	121.20		
	39.00	31.0	2.3	121.21		
	39.50	31.1	2.4	121.21		
	40.00	31.1	2.4	121.23		
	40.50	31.2	2.5	121.23		
	41.00	31.2	2.5	121.24		
	41.50	31.3	2.6	121.24		
	42.00	31.4	2.7	121.25		
	42.50	31.5	2.9	121.25		
	43.00	31.8	3.1	121.26		
	43.50	31.9	3.2	121.27		
	44.00	32.0	3.3	121.27		
***** End Flow 2	44.50	32.1	3.4	121.28		
***** Start Shutin 2	0.00	32.1	0.0	121.28	0.0000	0.001
	0.50	32.3	0.2	121.28	180.0000	0.001
	1.00	32.3	0.2	121.29	90.5000	0.001
	1.50	32.3	0.2	121.30	60.6667	0.001
	2.00	32.5	0.3	121.30	45.7500	0.001
	2.50	32.7	0.6	121.31	36.8000	0.001
	3.00	33.0	0.8	121.31	30.8333	0.001
	3.50	33.2	1.1	121.31	26.5714	0.001
	4.00	33.4	1.3	121.33	23.3750	0.001
	4.50	33.6	1.5	121.33	20.8889	0.001
	5.00	33.8	1.7	121.34	18.9000	0.001
	5.50	34.0	1.8	121.34	17.2727	0.001
	6.00	34.2	2.1	121.35	15.9167	0.001
	6.50	34.5	2.4	121.36	14.7692	0.001
	7.00	34.7	2.6	121.37	13.7857	0.001
	7.50	34.9	2.8	121.37	12.9333	0.001
	8.00	35.1	2.9	121.38	12.1875	0.001
	8.50	35.4	3.3	121.38	11.5294	0.001
	9.00	35.6	3.4	121.39	10.9444	0.001
	9.50	35.8	3.7	121.39	10.4211	0.001
	10.00	36.0	3.9	121.40	9.9500	0.001
	10.50	36.2	4.1	121.40	9.5238	0.001
	11.00	36.4	4.3	121.41	9.1364	0.001
	11.50	36.8	4.6	121.41	8.7826	0.001
	12.00	36.8	4.7	121.43	8.4583	0.001
	12.50	37.0	4.9	121.43	8.1600	0.001
	13.00	37.3	5.1	121.44	7.8846	0.001
	13.50	37.4	5.3	121.44	7.6296	0.001
	14.00	37.7	5.5	121.44	7.3929	0.001
	14.50	37.9	5.8	121.45	7.1724	0.001
	15.00	38.2	6.0	121.45	6.9667	0.001
	15.50	38.3	6.2	121.47	6.7742	0.001
	16.00	38.5	6.4	121.47	6.5938	0.001
	16.50	38.7	6.5	121.47	6.4242	0.001
	17.00	38.8	6.7	121.49	6.2647	0.002

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.

DATE: 06/18/98

TIME: 03:55:22

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
17.50	39.1	7.0	121.49	6.1143	0.002
18.00	39.4	7.2	121.49	5.9722	0.002
18.50	39.5	7.4	121.50	5.8378	0.002
19.00	39.8	7.6	121.51	5.7105	0.002
19.50	39.9	7.8	121.51	5.5897	0.002
20.00	40.2	8.1	121.51	5.4750	0.002
20.50	40.4	8.2	121.52	5.3659	0.002
21.00	40.5	8.4	121.52	5.2619	0.002
21.50	40.8	8.6	121.53	5.1628	0.002
22.00	40.9	8.8	121.54	5.0682	0.002
22.50	41.2	9.1	121.54	4.9778	0.002
23.00	41.3	9.1	121.55	4.8913	0.002
23.50	41.5	9.4	121.55	4.8085	0.002
24.00	41.7	9.6	121.56	4.7292	0.002
24.50	41.9	9.7	121.57	4.6531	0.002
25.00	42.1	10	121.57	4.5800	0.002
25.50	42.3	10.2	121.58	4.5098	0.002
26.00	42.5	10.3	121.59	4.4423	0.002
26.50	42.6	10.5	121.59	4.3774	0.002
27.00	42.9	10.7	121.59	4.3148	0.002
27.50	43.1	11.0	121.60	4.2545	0.002
28.00	43.3	11.2	121.61	4.1964	0.002
28.50	43.5	11.4	121.61	4.1404	0.002
29.00	43.7	11.6	121.62	4.0862	0.002
29.50	43.9	11.7	121.63	4.0339	0.002
30.00	44.1	12.0	121.63	3.9833	0.002
30.50	44.3	12.2	121.63	3.9344	0.002
31.00	44.5	12.3	121.64	3.8871	0.002
31.50	44.6	12.5	121.65	3.8413	0.002
32.00	44.9	12.8	121.65	3.7969	0.002
32.50	45.1	12.9	121.65	3.7538	0.002
33.00	45.3	13.2	121.66	3.7121	0.002
33.50	45.5	13.3	121.67	3.6716	0.002
34.00	45.6	13.5	121.67	3.6324	0.002
34.50	45.9	13.8	121.68	3.5942	0.002
35.00	46.2	14.0	121.68	3.5571	0.002
35.50	46.3	14.2	121.68	3.5211	0.002
36.00	46.6	14.4	121.69	3.4861	0.002
36.50	46.7	14.5	121.69	3.4521	0.002
37.00	46.9	14.8	121.70	3.4189	0.002
37.50	47.1	14.9	121.71	3.3867	0.002
38.00	47.3	15.2	121.71	3.3553	0.002
38.50	47.6	15.4	121.71	3.3247	0.002
39.00	47.8	15.7	121.72	3.2949	0.002
39.50	47.9	15.8	121.72	3.2658	0.002
40.00	48.2	16.0	121.73	3.2375	0.002
40.50	48.4	16.3	121.74	3.2099	0.002
41.00	48.6	16.4	121.74	3.1829	0.002
41.50	48.8	16.6	121.74	3.1566	0.002
42.00	49.1	17.0	121.75	3.1310	0.002
42.50	49.2	17.0	121.76	3.1059	0.002

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11805 DST#2 ALEXANDER#1 LOTUS OPER.CO.

DATE: 06/18/98

TIME: 03:55:22

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	43.00	49.3	17.2	121.76	3.0814	0.002
	43.50	49.6	17.5	121.77	3.0575	0.002
	44.00	49.8	17.6	121.78	3.0341	0.002
	44.50	49.9	17.8	121.78	3.0112	0.002
	45.00	50.1	18.0	121.79	2.9889	0.003
	45.50	50.3	18.2	121.79	2.9670	0.003
	46.00	50.6	18.5	121.79	2.9457	0.003
	46.50	50.9	18.7	121.80	2.9247	0.003
	47.00	51.0	18.9	121.80	2.9043	0.003
	47.50	51.3	19.1	121.82	2.8842	0.003
	48.00	51.4	19.2	121.81	2.8646	0.003
	48.50	51.6	19.5	121.82	2.8454	0.003
***** End Shut-in 2	49.00	51.8	19.6	121.83	2.8265	0.003
***** Final Hydro.	307.00	2267.4	0.0	122.43		

583902

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11805

Well Name & No. <u>ALEXANDER #1</u>	Test No. <u>2</u>	Date <u>6-18-98</u>
Company <u>LOTUS OPER. CO. LLC</u>	Zone Tested <u>MISS.</u>	
Address <u>WICHITA KS. 67202</u>	Elevation <u>1935</u>	KB <u>1927</u> GL
Co. Rep / Geo. <u>TIM HELLMAN</u>	Cont. <u>DUKE DRUG #2</u>	Est. Ft. of Pay <u>18</u> Por. <u>20</u> %
Location: Sec. <u>33</u>	Twp. <u>31S</u>	Rge. <u>15W</u> Co. <u>BARBER</u> State <u>KS.</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4700 - 4750'</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>56,000</u>
Anchor Length <u>50'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth <u>4695 & 4700'</u>	Tool Weight <u>2100 #</u>	
Bottom Packer Depth <u>4750'</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>4961'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>None</u>
Mud Wt. <u>9.2</u> LCM <u>2#</u> Vis. <u>48</u> WL <u>12.0cc.</u>	Drill Pipe Size <u>4 1/2" x 11-Ft. Run</u>	<u>4692'</u>
Blow Description <u>IF: Weak blow (1-3") decreasing to nearly dead after 45 mins.</u>		
<u>FF: No blow.</u>		

Recovery — Total Feet <u>33'</u>	GIP <u>~</u>	Ft. in DC <u>~</u>	Ft. in DP <u>33'</u>
Rec. <u>33</u> Feet Of <u>Heavy Mud.</u>	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
BHT <u>122</u> °F Gravity <u>N/A</u>	°API D@ <u>~</u>	°F Corrected Gravity <u>N/A</u>	°API
RW <u>NC.</u> @ <u>~</u> °F	Chlorides <u>3,000</u> ppm	Recovery	Chlorides <u>3,000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2237</u>	Alpine <u>2333</u>	PSI Recorder No. <u>2342</u>	T-On Location <u>0340</u>
(B) First Initial Flow Pressure	<u>21</u>	<u>28</u>	PSI (depth) <u>4708'</u>	T-Started <u>0355</u>
(C) First Final Flow Pressure	<u>21</u>	<u>30</u>	PSI Recorder No. <u>13789</u>	T-Open <u>0556</u>
(D) Initial Shut-In Pressure	<u>63</u>	<u>69</u>	PSI (depth) <u>4744'</u>	T-Pulled <u>0859</u>
(E) Second Initial Flow Pressure	<u>21</u>	<u>29</u>	PSI Recorder No. <u>10248</u>	T-Out <u>11:00</u>
(F) Second Final Flow Pressure	<u>21</u>	<u>32</u>	PSI (depth) <u>4958'</u>	T-Off Location <u>12:20</u>
(G) Final Shut-in Pressure	<u>51</u>	<u>52</u>	PSI Initial Opening <u>45</u>	Test <u>✓ 700</u>
(Q) Final Hydrostatic Mud	<u>2193</u>	<u>2267</u>	PSI Initial Shut-in <u>45</u>	Jars _____
			Final Flow <u>45</u>	Safety Joint <u>✓ 50</u>
			Final Shut-in <u>45</u>	Straddle <u>✓ 250</u>
				Circ. Sub _____
				Sampler _____
				Extra Packer <u>✓ 150</u>
				Elec. Rec. <u>✓ 150</u>
				Mileage _____
				Other _____

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Approved By

TIM HELLMAN

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