

15-057-20544

35-27s-23w

WELL NAME: Hill #1-35
COMPANY: Jack Exploration Inc
LOCATION: 35-27S-23W
Ford County Kansas
DATE: 07/14/96

TRILOBITE TESTING L.L.C.

OPERATOR : Jack Exploration Inc.

DATE 7/14/96

WELL NAME: Hill #1-35

KB 2455.00 ft

TICKET NO: 8994

DST #1

LOCATION : 35-27S-23W, Ford Cty KS

GR 2442.00 ft

FORMATION: Morrow

INTERVAL : 5026.00 To 5049.00 ft

TD 5049.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11038	11038	3024			PF Fr. 2220 to 2250 hr
SI 60 Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0	IS Fr. 2250 to 2350 hr
SF 120 Clock(hrs)	12 hr	12 hr	Alpin			SF Fr. 2350 to 0150 hr
FS 120 Depth(ft)	5046.0	5046.0	50340.0	0.0	0.0	FS Fr. 0150 to 0350 hr

	Field	1	2	3	4	
A. Init Hydro	2529.0	2509.0	2441.0	0.0	0.0	T STARTED 2030 hr
B. First Flow	41.0	33.0	18.0	0.0	0.0	T ON BOTM 2218 hr
B1. Final Flow	41.0	33.0	21.0	0.0	0.0	T OPEN 2220 hr
C. In Shut-in	1411.0	1398.0	1430.0	0.0	0.0	T PULLED 0350 hr
D. Init Flow	14.0	9.0	13.0	0.0	0.0	T OUT 0630 hr
E. Final Flow	14.0	9.0	13.0	0.0	0.0	
F. Fl Shut-in	1360.0	1363.0	1394.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2503.0	2483.0	2391.0	0.0	0.0	Tool Wt. 1500.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 65000.00 lbs
						Unseated Str Wt 70000.00 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 185.00 ft
						D.P. Length 4825.00 ft

RECOVERY

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

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

BLOW DESCRIPTION

Initial Flow -
Bottom of bucket immediately

Initial Shutin -
Bled off blow, no blow

Final Flow -
Bottom of bucket immediately;
Gas to surface in 13 minutes

Final Shutin -
No blow

SAMPLES: Yes
SENT TO: Caraway

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	47.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	1
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	

Tester	TOM HORACEK
Co. Rep.	JAMES JACK
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

8994 DST #1 Hill #1-35 Jack Exp. Inc.

Flag Points

t (Min.) P (PSig)

A: 0.00 2440.78
 B: 0.00 18.43
 C: 30.00 21.41
 D: 60.00 1429.69
 E: 0.00 13.22
 F: 117.00 13.18
 G: 122.00 1394.22
 Q: 0.00 2390.80

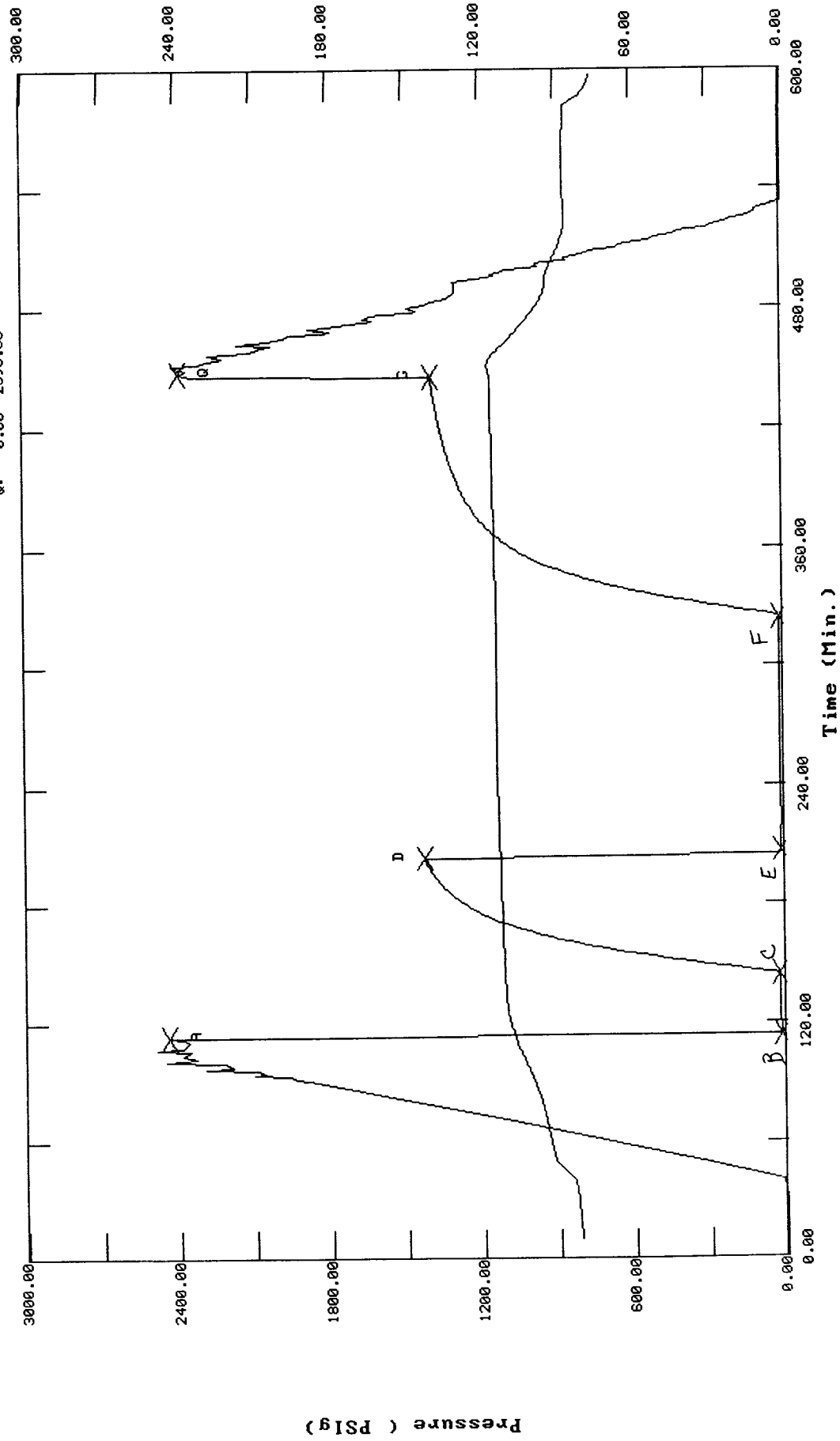
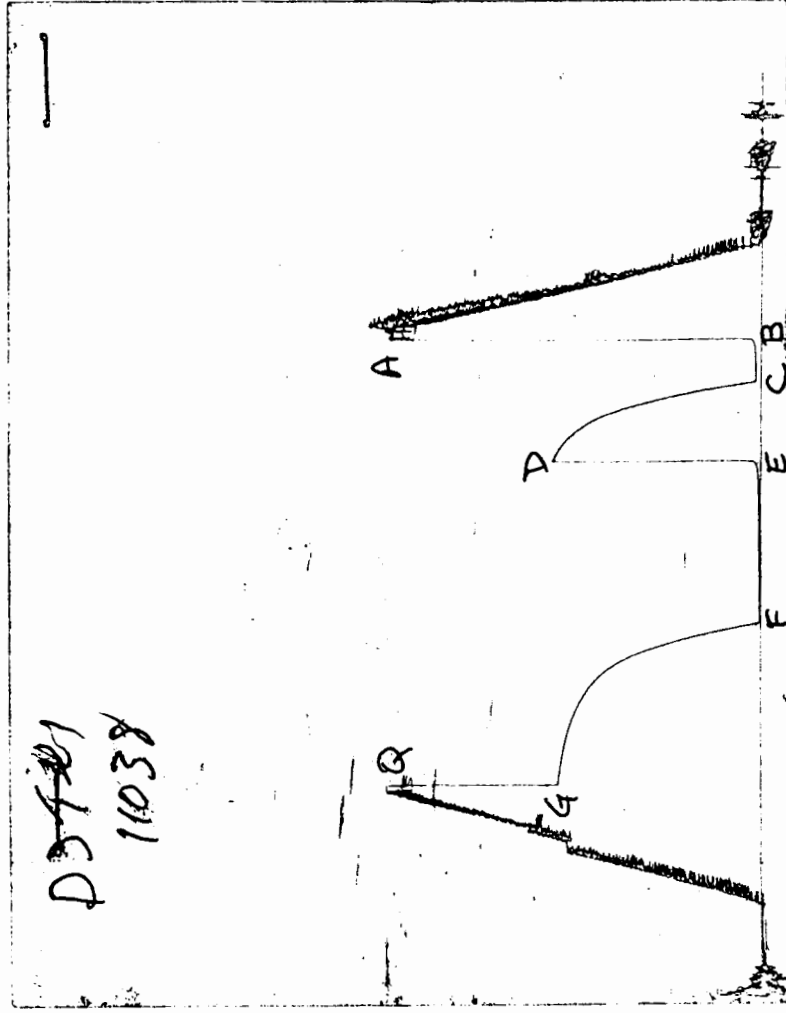


CHART PAGE



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

GAS RECOVERY

COMPANY: Jack Exploration Inc.

DATE: 7/14/96

WELL NAME: Hill #1-35

KB Elev: 2455.00 ft TICKET #8994 DST #1

WELL LOCATION: 35-27S-23W, Ford Cty KS

GR Elev: 2442.00 ft FORMATION: Morrow

INTERVAL Fr.: 5026.00 To 5049.00 T.D.: 5049.00 ft TEST TYPE: CONV.

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
20	0.25	0	10	5320.0
25	0.25	0	16	6720.0
30	0.25	0	18	7120.0
35	0.25	0	22	7880.0
40	0.25	0	24	8220.0
45	0.25	0	24	8220.0
50	0.25	0	24	8220.0
55	0.25	0	24	8220.0
60	0.25	0	24	8220.0
65	0.25	0	26	8560.0
70	0.25	0	24	8220.0
75	0.25	0	24	8220.0
80	0.25	0	24	8220.0
85	0.25	0	24	8220.0
90	0.25	0	24	8220.0
95	0.25	0	24	8220.0
100	0.25	0	24	8220.0
105	0.25	0	24	8220.0
115	0.25	0	24	8220.0
120	0.25	0	24	8220.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	960375	Analyzed:	07/15/96
Sample From:	Hill 1-35 DST 1	Pressure:	
Producer:	Jack Exploration	Temperature:	
Date:	07/15/96	Location:	35-27-23
Time:		County:	Ford
Sampler:		State:	Kansas
Source:		Formation:	Morrow

	Mole %	GPM
Helium	He: 1.936	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 47.876	0.000
Carbon Dioxide	CO2: 0.325	0.000
Methane	C1: 45.222	0.000
Ethane	C2: 2.278	0.609
Propane	C3: 0.860	0.237
Iso Butane	iC4: 0.324	0.106
Normal Butane	nC4: 0.361	0.114
Iso Pentane	iC5: 0.152	0.056
Normal Pentane	nC5: 0.186	0.067
Hexanes Plus	C6+: 0.480	0.209

TOTAL: 100.000 1.398
Z Fact: 0.9988
SP.GR.: 0.7965
BTU (SAT): 571.1 @ 14.73 psia
BTU (DRY): 581.2 @ 14.73 psia
OCTANE RATING: 62.9

COMMENTS: No pressure in bottle, Sample entered under vacuum 0.000

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8994 DST #1 Hill #1-35 Jack Exp. Inc.

DATE: 07/14/96 TIME: 20:24:36

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	113.00	2440.8	0.0	107.18		
***** Start Flow 1	0.00	18.4	0.0	107.33		
	1.00	17.3	-1.1	107.63		
	2.00	17.7	-0.7	108.06		
	3.00	17.9	-0.5	108.46		
	4.00	18.2	-0.2	108.81		
	5.00	18.2	-0.2	109.10		
	6.00	18.7	0.3	109.34		
	7.00	18.9	0.5	109.54		
	8.00	19.2	0.8	109.75		
	9.00	19.3	0.9	109.92		
	10.00	19.6	1.1	110.06		
	11.00	19.6	1.1	110.20		
	12.00	20.2	1.8	110.31		
	13.00	21.1	2.6	110.41		
	14.00	20.6	2.2	110.50		
	15.00	21.1	2.6	110.59		
	16.00	21.5	3.1	110.66		
	17.00	21.6	3.1	110.73		
	18.00	21.9	3.5	110.79		
	19.00	21.9	3.4	110.85		
	20.00	21.8	3.4	110.91		
	21.00	22.7	4.2	110.98		
	22.00	21.5	3.1	111.03		
	23.00	21.0	2.6	111.08		
	24.00	20.3	1.8	111.12		
	25.00	20.3	1.9	111.17		
	26.00	20.8	2.3	111.21		
	27.00	20.3	1.9	111.26		
	28.00	21.0	2.6	111.31		
	29.00	20.9	2.5	111.37		
***** End Flow 1	30.00	21.4	3.0	111.39		
***** Start Shutin 1	0.00	21.4	0.0	111.39	0.0000	0.000
	1.00	58.1	36.6	111.43	31.0000	0.003
	2.00	125.1	103.6	111.47	16.0000	0.016
	3.00	189.3	167.8	111.50	11.0000	0.036
	4.00	251.3	229.9	111.53	8.5000	0.063
	5.00	311.3	289.9	111.57	7.0000	0.097
	6.00	368.8	347.4	111.59	6.0000	0.136
	7.00	424.1	402.6	111.63	5.2857	0.180
	8.00	476.9	455.5	111.66	4.7500	0.227
	9.00	527.4	506.0	111.69	4.3333	0.278
	10.00	576.1	554.7	111.72	4.0000	0.332
	11.00	622.6	601.2	111.74	3.7273	0.388
	12.00	667.3	645.8	111.77	3.5000	0.445
	13.00	709.9	688.5	111.80	3.3077	0.504
	14.00	750.8	729.4	111.83	3.1429	0.564
	15.00	789.7	768.3	111.85	3.0000	0.624
	16.00	826.8	805.4	111.88	2.8750	0.684
	17.00	862.2	840.7	111.90	2.7647	0.743
	18.00	895.8	874.4	111.93	2.6667	0.802

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 DATE: 07/14/96 TIME: 20:24:36

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	927.8	906.4	111.96	2.5789	0.861
	20.00	958.3	936.9	111.99	2.5000	0.918
	21.00	987.2	965.8	112.02	2.4286	0.975
	22.00	1014.6	993.2	112.04	2.3636	1.029
	23.00	1040.6	1019.2	112.07	2.3043	1.083
	24.00	1065.1	1043.7	112.09	2.2500	1.135
	25.00	1088.3	1066.9	112.12	2.2000	1.184
	26.00	1110.3	1088.9	112.14	2.1538	1.233
	27.00	1131.1	1109.7	112.17	2.1111	1.279
	28.00	1150.7	1129.3	112.19	2.0714	1.324
	29.00	1169.2	1147.8	112.22	2.0345	1.367
	30.00	1186.7	1165.3	112.23	2.0000	1.408
	31.00	1203.1	1181.7	112.27	1.9677	1.447
	32.00	1218.6	1197.2	112.28	1.9375	1.485
	33.00	1233.2	1211.8	112.31	1.9091	1.521
	34.00	1246.9	1225.5	112.33	1.8824	1.555
	35.00	1259.9	1238.4	112.35	1.8571	1.587
	36.00	1272.0	1250.6	112.38	1.8333	1.618
	37.00	1283.5	1262.1	112.41	1.8108	1.647
	38.00	1294.4	1273.0	112.44	1.7895	1.676
	39.00	1304.7	1283.3	112.45	1.7692	1.702
	40.00	1314.4	1293.0	112.47	1.7500	1.728
	41.00	1323.5	1302.1	112.49	1.7317	1.752
	42.00	1332.2	1310.8	112.52	1.7143	1.775
	43.00	1340.4	1319.0	112.55	1.6977	1.797
	44.00	1348.1	1326.7	112.57	1.6818	1.817
	45.00	1355.4	1334.0	112.59	1.6667	1.837
	46.00	1362.4	1340.9	112.61	1.6522	1.856
	47.00	1368.9	1347.5	112.63	1.6383	1.874
	48.00	1375.1	1353.7	112.65	1.6250	1.891
	49.00	1381.0	1359.6	112.67	1.6122	1.907
	50.00	1386.6	1365.2	112.70	1.6000	1.923
	51.00	1391.9	1370.5	112.72	1.5882	1.937
	52.00	1397.0	1375.6	112.74	1.5769	1.952
	53.00	1401.8	1380.4	112.76	1.5660	1.965
	54.00	1406.4	1385.0	112.79	1.5556	1.978
	55.00	1410.7	1389.3	112.81	1.5455	1.990
	56.00	1414.9	1393.5	112.83	1.5357	2.002
	57.00	1418.8	1397.4	112.86	1.5263	2.013
	58.00	1422.6	1401.2	112.88	1.5172	2.024
	59.00	1426.2	1404.8	112.89	1.5085	2.034
***** End Shut-in 1	60.00	1429.7	1408.3	112.91	1.5000	2.044
***** Start Flow 2	0.00	13.2	0.0	113.00		
	1.00	13.6	0.3	113.05		
	2.00	13.1	-0.1	113.11		
	3.00	13.1	-0.2	113.16		
	4.00	13.1	-0.1	113.22		
	5.00	13.1	-0.1	113.25		
	6.00	13.1	-0.1	113.31		
	7.00	13.1	-0.1	113.33		
	8.00	13.1	-0.2	113.37		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8994 DST #1 Hill #1-35 Jack Exp. Inc.

DATE: 07/14/96 TIME: 20:24:36

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
9.00	13.1	-0.1	113.39		
10.00	13.2	-0.0	113.42		
11.00	13.2	-0.0	113.44		
12.00	12.8	-0.4	113.46		
13.00	12.3	-0.9	113.48		
14.00	12.3	-0.9	113.50		
15.00	12.3	-0.9	113.50		
16.00	12.4	-0.8	113.51		
17.00	12.3	-0.9	113.53		
18.00	12.3	-0.9	113.54		
19.00	12.4	-0.8	113.55		
20.00	12.5	-0.7	113.56		
21.00	12.6	-0.6	113.56		
22.00	12.7	-0.5	113.58		
23.00	12.7	-0.5	113.58		
24.00	12.9	-0.3	113.59		
25.00	12.9	-0.3	113.60		
26.00	12.9	-0.3	113.61		
27.00	13.0	-0.2	113.60		
28.00	13.0	-0.2	113.61		
29.00	13.0	-0.2	113.62		
30.00	13.1	-0.1	113.63		
31.00	13.0	-0.2	113.64		
32.00	13.2	-0.0	113.64		
33.00	13.2	-0.0	113.65		
34.00	13.2	-0.1	113.65		
35.00	13.2	-0.1	113.66		
36.00	13.1	-0.1	113.67		
37.00	13.2	-0.0	113.67		
38.00	13.2	-0.0	113.67		
39.00	13.2	0.0	113.69		
40.00	13.2	-0.0	113.69		
41.00	13.2	-0.0	113.69		
42.00	13.2	-0.0	113.70		
43.00	13.2	0.0	113.70		
44.00	13.2	0.0	113.71		
45.00	13.2	-0.1	113.71		
46.00	13.2	-0.0	113.72		
47.00	13.1	-0.1	113.72		
48.00	13.2	-0.1	113.74		
49.00	13.2	-0.0	113.74		
50.00	13.2	0.0	113.74		
51.00	13.1	-0.1	113.75		
52.00	13.2	-0.1	113.75		
53.00	13.2	-0.0	113.76		
54.00	13.5	0.2	113.76		
55.00	13.5	0.3	113.77		
56.00	13.6	0.4	113.77		
57.00	13.5	0.3	113.77		
58.00	13.4	0.2	113.77		
59.00	13.5	0.3	113.78		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 8994 DST #1 Hill #1-35 Jack Exp. Inc.
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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
60.00	13.4	0.2	113.79		
61.00	13.3	0.1	113.78		
62.00	13.3	0.1	113.79		
63.00	13.3	0.1	113.79		
64.00	13.3	0.1	113.79		
65.00	13.3	0.1	113.81		
66.00	13.3	0.1	113.81		
67.00	13.3	0.1	113.81		
68.00	13.3	0.1	113.82		
69.00	13.3	0.1	113.83		
70.00	13.2	-0.0	113.83		
71.00	13.2	0.0	113.83		
72.00	13.3	0.1	113.84		
73.00	13.2	-0.1	113.83		
74.00	13.2	-0.0	113.84		
75.00	13.3	0.0	113.84		
76.00	13.2	-0.0	113.85		
77.00	13.2	0.0	113.85		
78.00	13.2	-0.0	113.85		
79.00	13.1	-0.1	113.86		
80.00	13.1	-0.1	113.86		
81.00	13.2	-0.0	113.86		
82.00	13.1	-0.1	113.87		
83.00	13.2	-0.1	113.87		
84.00	13.0	-0.2	113.87		
85.00	13.2	-0.0	113.87		
86.00	13.2	-0.0	113.88		
87.00	13.2	-0.1	113.89		
88.00	13.2	-0.0	113.89		
89.00	13.2	0.0	113.88		
90.00	13.2	0.0	113.88		
91.00	13.1	-0.1	113.90		
92.00	13.2	-0.0	113.90		
93.00	13.1	-0.1	113.90		
94.00	13.2	-0.0	113.90		
95.00	13.1	-0.1	113.91		
96.00	13.3	0.0	113.90		
97.00	13.2	-0.0	113.90		
98.00	13.2	0.0	113.91		
99.00	13.2	0.0	113.92		
100.00	13.1	-0.1	113.92		
101.00	13.2	0.0	113.93		
102.00	13.2	-0.1	113.93		
103.00	13.1	-0.2	113.93		
104.00	13.1	-0.2	113.93		
105.00	13.3	0.1	113.93		
106.00	13.1	-0.1	113.94		
107.00	13.2	-0.0	113.93		
108.00	13.2	0.0	113.94		
109.00	13.1	-0.1	113.95		
110.00	13.1	-0.1	113.97		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8994 DST #1 Hill #1-35 Jack Exp. Inc.

DATE: 07/14/96 TIME: 20:24:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	111.00	13.1	-0.1	113.95		
	112.00	13.1	-0.1	113.95		
	113.00	13.2	-0.0	113.95		
	114.00	13.2	-0.1	113.96		
	115.00	13.1	-0.2	113.97		
	116.00	13.2	0.0	113.95		
***** End Flow 2	117.00	13.2	-0.0	113.95		
***** Start Shutin 2	0.00	13.2	0.0	113.95	0.0000	0.000
	1.00	22.2	9.0	113.96	148.0000	0.000
	2.00	77.6	64.4	113.97	74.5000	0.006
	3.00	130.5	117.3	113.96	50.0000	0.017
	4.00	181.5	168.3	113.98	37.7500	0.033
	5.00	230.8	217.7	113.99	30.4000	0.053
	6.00	278.5	265.3	114.00	25.5000	0.078
	7.00	324.6	311.4	114.01	22.0000	0.105
	8.00	369.1	355.9	114.02	19.3750	0.136
	9.00	412.0	398.8	114.03	17.3333	0.170
	10.00	453.3	440.2	114.05	15.7000	0.206
	11.00	493.2	480.0	114.08	14.3636	0.243
	12.00	531.6	518.4	114.09	13.2500	0.283
	13.00	568.5	555.3	114.10	12.3077	0.323
	14.00	603.9	590.7	114.11	11.5000	0.365
	15.00	637.9	624.7	114.14	10.8000	0.407
	16.00	670.4	657.3	114.15	10.1875	0.449
	17.00	701.6	688.4	114.17	9.6471	0.492
	18.00	731.4	718.2	114.19	9.1667	0.535
	19.00	759.9	746.7	114.20	8.7368	0.577
	20.00	787.0	773.9	114.21	8.3500	0.619
	21.00	812.9	799.8	114.22	8.0000	0.661
	22.00	837.7	824.5	114.25	7.6818	0.702
	23.00	861.2	848.0	114.27	7.3913	0.742
	24.00	883.6	870.5	114.29	7.1250	0.781
	25.00	904.9	891.8	114.30	6.8800	0.819
	26.00	925.2	912.1	114.32	6.6538	0.856
	27.00	944.5	931.4	114.33	6.4444	0.892
	28.00	962.9	949.7	114.36	6.2500	0.927
	29.00	980.4	967.2	114.37	6.0690	0.961
	30.00	996.9	983.8	114.39	5.9000	0.994
	31.00	1012.7	999.5	114.41	5.7419	1.025
	32.00	1027.6	1014.5	114.43	5.5938	1.056
	33.00	1041.9	1028.7	114.45	5.4545	1.086
	34.00	1055.4	1042.2	114.46	5.3235	1.114
	35.00	1068.2	1055.0	114.47	5.2000	1.141
	36.00	1080.5	1067.3	114.50	5.0833	1.167
	37.00	1092.1	1078.9	114.50	4.9730	1.193
	38.00	1103.2	1090.0	114.52	4.8684	1.217
	39.00	1113.8	1100.6	114.54	4.7692	1.241
	40.00	1123.9	1110.7	114.55	4.6750	1.263
	41.00	1133.5	1120.3	114.57	4.5854	1.285
	42.00	1142.7	1129.5	114.58	4.5000	1.306
	43.00	1151.4	1138.3	114.60	4.4186	1.326

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 8994 DST #1 Hill #1-35 Jack Exp. Inc.
 DATE: 07/14/96 TIME: 20:24:36

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
44.00	1159.8	1146.7	114.62	4.3409	1.345
45.00	1167.9	1154.7	114.64	4.2667	1.364
46.00	1175.5	1162.4	114.66	4.1957	1.382
47.00	1182.9	1169.7	114.67	4.1277	1.399
48.00	1190.0	1176.8	114.69	4.0625	1.416
49.00	1196.8	1183.6	114.70	4.0000	1.432
50.00	1203.2	1190.0	114.72	3.9400	1.448
51.00	1209.5	1196.3	114.74	3.8824	1.463
52.00	1215.5	1202.3	114.75	3.8269	1.477
53.00	1221.3	1208.1	114.77	3.7736	1.492
54.00	1226.9	1213.7	114.78	3.7222	1.505
55.00	1232.2	1219.1	114.80	3.6727	1.518
56.00	1237.4	1224.2	114.81	3.6250	1.531
57.00	1242.4	1229.2	114.83	3.5789	1.543
58.00	1247.2	1234.0	114.85	3.5345	1.555
59.00	1251.8	1238.6	114.85	3.4915	1.567
60.00	1256.3	1243.2	114.88	3.4500	1.578
61.00	1260.7	1247.5	114.90	3.4098	1.589
62.00	1264.9	1251.7	114.91	3.3710	1.600
63.00	1268.9	1255.7	114.93	3.3333	1.610
64.00	1272.9	1259.7	114.93	3.2969	1.620
65.00	1276.7	1263.5	114.96	3.2615	1.630
66.00	1280.4	1267.2	114.97	3.2273	1.639
67.00	1284.0	1270.8	114.98	3.1940	1.649
68.00	1287.5	1274.3	115.01	3.1618	1.658
69.00	1290.9	1277.7	115.03	3.1304	1.666
70.00	1294.2	1281.0	115.04	3.1000	1.675
71.00	1297.4	1284.2	115.05	3.0704	1.683
72.00	1300.6	1287.4	115.06	3.0417	1.691
73.00	1303.6	1290.4	115.09	3.0137	1.699
74.00	1306.5	1293.4	115.10	2.9865	1.707
75.00	1309.4	1296.2	115.12	2.9600	1.715
76.00	1312.2	1299.0	115.13	2.9342	1.722
77.00	1315.0	1301.8	115.15	2.9091	1.729
78.00	1317.6	1304.5	115.17	2.8846	1.736
79.00	1320.3	1307.1	115.19	2.8608	1.743
80.00	1322.8	1309.6	115.20	2.8375	1.750
81.00	1325.3	1312.1	115.21	2.8148	1.756
82.00	1327.7	1314.5	115.24	2.7927	1.763
83.00	1330.1	1316.9	115.24	2.7711	1.769
84.00	1332.4	1319.3	115.31	2.7500	1.775
85.00	1334.7	1321.5	115.28	2.7294	1.781
86.00	1336.9	1323.7	115.30	2.7093	1.787
87.00	1339.1	1325.9	115.32	2.6897	1.793
88.00	1341.2	1328.0	115.33	2.6705	1.799
89.00	1343.3	1330.1	115.35	2.6517	1.804
90.00	1345.3	1332.2	115.37	2.6333	1.810
91.00	1347.3	1334.2	115.37	2.6154	1.815
92.00	1349.3	1336.1	115.38	2.5978	1.821
93.00	1351.2	1338.0	115.41	2.5806	1.826
94.00	1353.1	1339.9	115.43	2.5638	1.831

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8994 DST #1 Hill #1-35 Jack Exp. Inc.

DATE: 07/14/96 TIME: 20:24:36

	Time	Pressure PSIg	delta PSIg	P	Temp. DEG F	(T+dT)/dT	P^2/10^6
	95.00	1354.9	1341.7	115.44	2.5474	1.836	
	96.00	1356.7	1343.6	115.46	2.5312	1.841	
	97.00	1358.5	1345.3	115.48	2.5155	1.846	
	98.00	1360.3	1347.1	115.49	2.5000	1.850	
	99.00	1362.0	1348.8	115.51	2.4848	1.855	
	100.00	1363.7	1350.5	115.53	2.4700	1.860	
	101.00	1365.3	1352.2	115.54	2.4554	1.864	
	102.00	1366.9	1353.8	115.55	2.4412	1.869	
	103.00	1368.5	1355.3	115.56	2.4272	1.873	
	104.00	1370.1	1356.9	115.59	2.4135	1.877	
	105.00	1371.6	1358.4	115.60	2.4000	1.881	
	106.00	1373.1	1359.9	115.62	2.3868	1.885	
	107.00	1374.6	1361.4	115.64	2.3738	1.890	
	108.00	1376.1	1362.9	115.65	2.3611	1.894	
	109.00	1377.5	1364.3	115.67	2.3486	1.897	
	110.00	1378.9	1365.7	115.68	2.3364	1.901	
	111.00	1380.2	1367.1	115.70	2.3243	1.905	
	112.00	1381.6	1368.4	115.71	2.3125	1.909	
	113.00	1382.9	1369.7	115.73	2.3009	1.912	
	114.00	1384.3	1371.1	115.75	2.2895	1.916	
	115.00	1385.6	1372.4	115.76	2.2783	1.920	
	116.00	1386.9	1373.7	115.78	2.2672	1.923	
	117.00	1388.2	1375.0	115.80	2.2564	1.927	
	118.00	1389.4	1376.2	115.81	2.2458	1.930	
	119.00	1390.6	1377.4	115.83	2.2353	1.934	
	120.00	1391.8	1378.7	115.84	2.2250	1.937	
	121.00	1393.0	1379.9	115.85	2.2149	1.941	
***** End Shut-in 2	122.00	1394.2	1381.0	115.87	2.2049	1.944	
***** Final Hydro.	448.00	2390.8	0.0	116.13			

*** TOOL DIAGRAM *** CONV.

WELL NAME: Hill #1-35

LOCATION : 35-27S-23W, Ford Cty KS

TICKET No. 8994 D.S.T. No. 1 DATE 7/14/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 25

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 23

TOTAL TOOL 48

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 48

D.C. ABOVE TOOLS.Stands3 Single Total 185

D.P. ABOVE TOOLS.Stands78 Single Total 4825

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5058

TOTAL DEPTH 5049

TOTAL DRILL PIPE ABOVE K.B. 9

REMARKS:

FLUID SAMPLER DATA

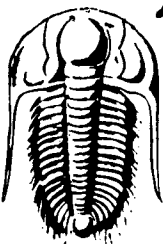
SAMPLER RECOVERY -

Gas 8.4 cu ft, Pressure 1340, Total 4000 ml

PIT MUD ANALYSIS -

Chlorides 4500 ppm, Viscosity 47, Mud
Weight 9.2, Filtrate 9.2

P.O. SUB	
C.O. SUB	5001
S.I. TOOL	5007
Sampler	5010
HMV Hyd. Tool	5015
JARS	5020
SAFETY JOINT	5022
PACKER	5026
DEPTH 5026	
STUBB Perf 2 ft.	5028
ANCHOR Pick up sub 5 ft.	5033
Alpine Recorder	5034
Perf 5 ft.	5038
Perf 5 ft.	5043
Perf 1 ft.	5044
T.C. DEPTH	
AK-1 Recorder	5046
BULLNOSE Bull Plug 5 ft. T.D.	5049



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Jack Exp. Inc.

OPERATOR

Hill #1-35

WELL NAME AND NO.

#1

DST NO.

2nd open							
Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
				20	10	1/4	5.32
				25	16	"	6.72
				30	18	"	7.12
				35	22	"	7.88
				40	24	"	8.22
				45	24	"	8.22
				50	24	1/4	8.22
				55	24	"	8.22
				60	24	"	8.22
				65	26	"	8.56
				70	24	"	8.22
				75	24	"	8.22
				80	24	1/4	8.22
				85	24	"	8.22
				90	24	"	8.22
				95	24	"	8.22
				100	24	"	8.22
				105	24	"	8.22
				110	24	"	8.22
				115	24	"	8.22
				120	24	1/4	8.22

Remarks:

GTS in 13 min.
Gas will burn

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 8994

Well Name & No.	Hill #1-35	Test No.	#1	Date	7/14/96
Company	Jack Exploration Inc	Zone Tested	Morrow		
Address	Box 1279 Sulphur OK 73086	Elevation	2455 KB 2442 GL		
Co. Rep / Geo.	James Jack	Cont.	Duke Drly #7	Est. Ft. of Pay	Por. %
Location: Sec.	35	Twp.	27s	Rge.	23w Co. Ford State KS.
No. of Copies		Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N Evaluation (Y, N)

Interval Tested	5026-5049	Initial Str Wt./Lbs.	65,000	Unseated Str Wt./Lbs.	70,000
Anchor Length	23'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	85,000
Top Packer Depth	—	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Bottom Packer Depth	5026	Wt. Pipe I.D. — 2.7 Ft. Run	—		
Total Depth	5049	Drill Collar — 2.25 Ft. Run	185'		
Mud Wt.	9.2 LCM 0 Vis. 47 WL 9.2	Drill Pipe Size	4.5x-Hole	Ft. Run	4825'

Blow Description 1st B.O.B Immediately
ISI- Bled all blow - No blow
2nd B.O.B Immediately {GTS in 13 min. 3}
FSI- No blow back (Gauged @ 8.22 mcf)

Recovery — Total Feet	10'	Ft. in DC	10'	Ft. in WP		Ft. in DP	
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.	10'	Feet Of	Drly mud	%gas	%oil	%water	100% mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud

BHT 116 °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4,500 ppm System

(A) Initial Hydrostatic Mud	2488	2529	PSI	Recorder No.	3024	T-Started	2030
(B) First Initial Flow Pressure	17	41	PSI	@ (depth)	5034	T-Open	2220
(C) First Final Flow Pressure	21	41	PSI	Recorder No.	11038	T-Pulled	0350
(D) Initial Shut-in Pressure	1429	1411	PSI	@ (depth)	5046	T-Out	0630
(E) Second Initial Flow Pressure	13	14	PSI	Recorder No.			
(F) Second Final Flow Pressure	13	14	PSI	@ (depth)			
(G) Final Shut-in Pressure	1394	1360	PSI	Initial Opening	30 min.	Test	X 7.00
(H) Final Hydrostatic Mud	2411	2503	PSI	Initial Shut-in	60 min.	Jars	X 200

Alpine AK-1

Final Flow 120 min. Safety Joint X 50
Final Shut-in 120 min. Straddle

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Mike Decker
Our Representative Tom Horacek

Circ. Sub
Sampler X 200
Extra Packer
Elect. Rec. X 150
Other
TOTAL PRICE \$ 1300

5

D

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 8994 Date 7-14-96
Company Name Jack Exp. Inc.
Lease Hill #1-35 Test No. #1
County Ford Ks. Sec. 35 Twp. 27 S Rng. 23 W

SAMPLER RECOVERY

Gas 8.4 Cubic Ft. ☒
Oil _____ ML
Mud _____ ML
Water _____ ML
Other _____ ML
Pressure 1340 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 4500 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 47
Mud Weight 9.2
Filtrate 9.2
Other 2 CM 0 #

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

Well name Hill

DST # 1

Recorder # 11038

A		2490	2509
B		33	
C		33	
D		1398	
E		9	
F		9	
G		1363	
H		2483	