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JUN 5

CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

ORIGINAL

WELL NAME:

Spriggs F#1

COMPANY:

Woolsey Petroleum Corp.

LOCATION:

34-33S-13W

Barber County, Kansas

DATE:

2/19/98

JUN 05 1998

15-007-22562

CONSERVATION DIVISION
WICHITA, KS

RELEASED

MAY 07 2001

FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petl. Corp.

DATE 02-12-98

WELL NAME: Spriggs F#1

KB 1676.00 ft

TICKET NO: 10600 DST #1

LOCATION : 34-33s-13w CO Barber KS

GR 1663.00 ft

FORMATION: Snyderville

INTERVAL : 3916.00 To 3950.00 ft

TD 3950.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10248	10248	2342			PF Fr. 1800 to 1830 hr
SI 60	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1830 to 1930 hr
SF 30	Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 1930 to 2000 hr
FS 120	Depth(ft)	3947.0	3947.0	3922.0	0.0	0.0	FS Fr. 2000 to 2200 hr

	Field	1	2	3	4	
A. Init Hydro	1887.0	1878.0	1902.0	0.0	0.0	T STARTED 1559 hr
B. First Flow	21.0	49.0	20.0	0.0	0.0	T ON BOTM 1747 hr
B1. Final Flow	21.0	40.0	21.0	0.0	0.0	T OPEN 1800 hr
C. In Shut-in	34.0	52.0	40.0	0.0	0.0	T PULLED 2202 hr
D. Init Flow	21.0	36.0	21.0	0.0	0.0	T OUT 2355 hr
E. Final Flow	21.0	36.0	22.0	0.0	0.0	
F. Fl Shut-in	30.0	36.0	34.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1876.0	1871.0	1852.0	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 75000.00 lbs
						Initial Str Wt 63000.00 lbs
						Unseated Str Wt 63000.00 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 240.00 ft
						D.P. Length 3654.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
 5.00 ft of Drilling mud
 0.00 ft of
 0.00 ft of Rv n/c ohms @ degrees F.
 0.00 ft of EST FT. of PAY-----5
 SALINITY 3000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak blow (1/2") Dead in 30 mins.
 Initial Shut-in:
 No blow.
 Final Flow:
 No blow.
 Final Shut-in:
 No blow.

SAMPLES:

SENT TO:Caraway/Liberal

RELEASED
MAY 07 2001
FROM CONFIDENTIAL

Test Successful: Y

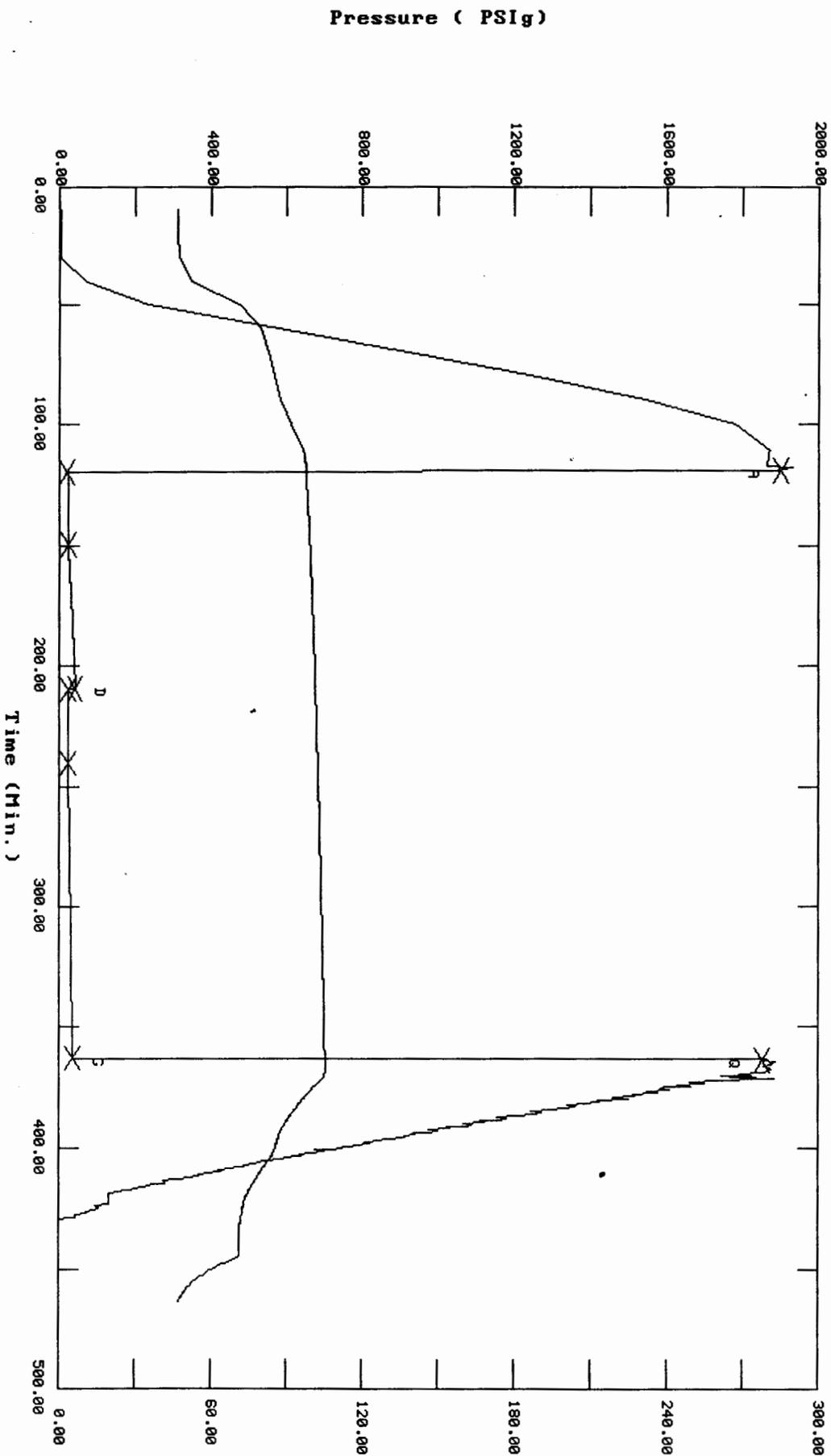
MUD DATA-----	
Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	43.00 S/L
W.L.	9.40 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Mikeal Maune
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	LCM 0 #/bl

TEST HISTORY

10600 DST#1 SPRIGGS F#1 WOOLSEY PETL. CORP.

Flag Points

t (Min.)	P (PSig)
A: 0.00	1902.30
B: 0.00	20.05
C: 30.00	21.31
D: 60.00	40.44
E: 0.00	21.31
F: 30.50	21.73
G: 122.50	34.23
H: 0.00	1851.61

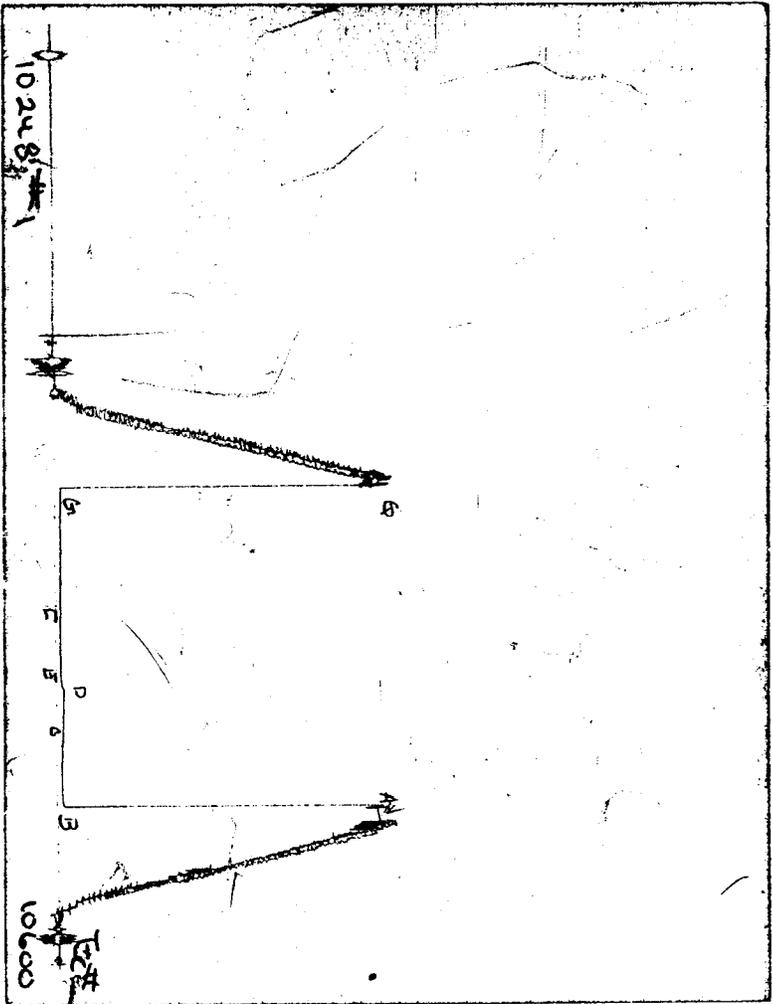


Temperature (DEG F)

Pressure (PSig)

Time (Min.)

CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

EST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

DATE: 02/12/98

TIME: 15:59:27

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	119.00	1902.3	0.0	97.67		
***** Start Flow 1	0.00	20.1	0.0	97.69		
	0.50	20.3	0.3	97.71		
	1.00	20.4	0.3	97.73		
	1.50	20.5	0.4	97.74		
	2.00	20.6	0.5	97.76		
	2.50	20.6	0.6	97.77		
	3.00	20.7	0.7	97.79		
	3.50	20.8	0.8	97.81		
	4.00	20.8	0.8	97.83		
	4.50	20.8	0.8	97.85		
	5.00	20.9	0.8	97.87		
	5.50	21.0	0.9	97.90		
	6.00	21.0	0.9	97.92		
	6.50	21.0	0.9	97.95		
	7.00	21.0	0.9	97.97		
	7.50	21.0	0.9	98.00		
	8.00	21.1	1.0	98.03		
	8.50	21.1	1.0	98.05		
	9.00	21.2	1.2	98.08		
	9.50	21.2	1.2	98.11		
	10.00	21.2	1.2	98.13		
	10.50	21.2	1.2	98.17		
	11.00	21.2	1.2	98.19		
	11.50	21.2	1.2	98.22		
	12.00	21.4	1.3	98.25		
	12.50	21.4	1.3	98.28		
	13.00	21.4	1.3	98.31		
	13.50	21.4	1.3	98.33		
	14.00	21.3	1.3	98.36		
	14.50	21.3	1.3	98.39		
	15.00	21.3	1.3	98.42		
	15.50	21.3	1.3	98.45		
	16.00	21.3	1.3	98.47		
	16.50	21.3	1.3	98.50		
	17.00	21.5	1.4	98.53		
	17.50	21.5	1.4	98.55		
	18.00	21.5	1.4	98.58		
	18.50	21.5	1.4	98.60		
	19.00	21.4	1.3	98.63		
	19.50	21.4	1.3	98.66		
	20.00	21.4	1.3	98.69		
	20.50	21.4	1.3	98.72		
	21.00	21.4	1.3	98.74		
	21.50	21.4	1.3	98.77		
	22.00	21.6	1.5	98.80		
	22.50	21.6	1.5	98.82		
	23.00	21.6	1.5	98.85		
	23.50	21.6	1.5	98.87		
	24.00	21.6	1.5	98.89		
	24.50	21.6	1.5	98.92		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

DATE: 02/12/98 TIME: 15:59:27

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	21.6	1.5	98.93		
	25.50	21.6	1.5	98.97		
	26.00	21.6	1.5	98.96		
	26.50	21.6	1.5	98.99		
	27.00	21.6	1.5	99.03		
	27.50	21.6	1.5	99.04		
	28.00	21.6	1.6	99.08		
	28.50	21.6	1.5	99.11		
	29.00	21.6	1.5	99.13		
	29.50	21.0	0.9	99.16		
***** End Flow 1	30.00	21.3	1.3	99.18		
***** Start Shutin 1	0.00	21.3	0.0	99.18	0.0000	0.000
	0.50	21.6	0.3	99.20	61.0000	0.000
	1.00	21.8	0.5	99.23	31.0000	0.000
	1.50	22.1	0.8	99.25	21.0000	0.000
	2.00	22.4	1.1	99.28	16.0000	0.001
	2.50	22.7	1.3	99.30	13.0000	0.001
	3.00	22.9	1.6	99.32	11.0000	0.001
	3.50	23.2	1.8	99.34	9.5714	0.001
	4.00	23.4	2.1	99.37	8.5000	0.001
	4.50	23.6	2.3	99.38	7.6667	0.001
	5.00	23.9	2.6	99.41	7.0000	0.001
	5.50	24.1	2.8	99.43	6.4545	0.001
	6.00	24.3	3.0	99.45	6.0000	0.001
	6.50	24.6	3.3	99.47	5.6154	0.001
	7.00	24.8	3.5	99.50	5.2857	0.001
	7.50	25.0	3.7	99.52	5.0000	0.001
	8.00	25.2	3.9	99.55	4.7500	0.001
	8.50	25.3	4.0	99.57	4.5294	0.001
	9.00	25.7	4.4	99.58	4.3333	0.001
	9.50	25.8	4.5	99.61	4.1579	0.001
	10.00	26.0	4.7	99.63	4.0000	0.001
	10.50	26.3	5.0	99.65	3.8571	0.001
	11.00	26.5	5.2	99.67	3.7273	0.001
	11.50	26.7	5.4	99.69	3.6087	0.001
	12.00	26.9	5.6	99.71	3.5000	0.001
	12.50	27.1	5.8	99.74	3.4000	0.001
	13.00	27.3	6.0	99.76	3.3077	0.001
	13.50	27.4	6.1	99.78	3.2222	0.001
	14.00	27.6	6.3	99.80	3.1429	0.001
	14.50	27.9	6.5	99.82	3.0690	0.001
	15.00	28.1	6.8	99.84	3.0000	0.001
	15.50	28.3	7.0	99.86	2.9355	0.001
	16.00	28.4	7.1	99.88	2.8750	0.001
	16.50	28.6	7.3	99.90	2.8182	0.001
	17.00	28.8	7.5	99.92	2.7647	0.001
	17.50	28.9	7.6	99.94	2.7143	0.001
	18.00	29.2	7.9	99.96	2.6667	0.001
	18.50	29.4	8.1	99.98	2.6216	0.001
	19.00	29.5	8.2	100.0	2.5789	0.001
	19.50	29.8	8.5	100.02	2.5385	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

DATE: 02/12/98

TIME: 15:59:27

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
20.00	30.0	8.6	100.04	2.5000	0.001
20.50	30.2	8.9	100.06	2.4634	0.001
21.00	30.4	9.1	100.07	2.4286	0.001
21.50	30.5	9.2	100.10	2.3953	0.001
22.00	30.7	9.4	100.11	2.3636	0.001
22.50	30.9	9.6	100.14	2.3333	0.001
23.00	31.0	9.7	100.16	2.3043	0.001
23.50	31.2	9.9	100.17	2.2766	0.001
24.00	31.5	10.2	100.20	2.2500	0.001
24.50	31.6	10.3	100.22	2.2245	0.001
25.00	31.8	10.5	100.24	2.2000	0.001
25.50	31.9	10.6	100.26	2.1765	0.001
26.00	32.1	10.8	100.28	2.1538	0.001
26.50	32.3	11.0	100.30	2.1321	0.001
27.00	32.5	11.2	100.31	2.1111	0.001
27.50	32.6	11.2	100.32	2.0909	0.001
28.00	32.8	11.5	100.35	2.0714	0.001
28.50	33.0	11.7	100.37	2.0526	0.001
29.00	33.2	11.9	100.39	2.0345	0.001
29.50	33.3	12.0	100.41	2.0169	0.001
30.00	33.5	12.2	100.43	2.0000	0.001
30.50	33.6	12.3	100.45	1.9836	0.001
31.00	33.9	12.6	100.47	1.9677	0.001
31.50	34.0	12.7	100.48	1.9524	0.001
32.00	34.2	12.8	100.50	1.9375	0.001
32.50	34.3	13.0	100.52	1.9231	0.001
33.00	34.4	13.1	100.54	1.9091	0.001
33.50	34.7	13.3	100.56	1.8955	0.001
34.00	34.8	13.5	100.57	1.8824	0.001
34.50	34.9	13.6	100.59	1.8696	0.001
35.00	35.1	13.8	100.61	1.8571	0.001
35.50	35.2	13.9	100.63	1.8451	0.001
36.00	35.4	14.1	100.65	1.8333	0.001
36.50	35.6	14.3	100.67	1.8219	0.001
37.00	35.7	14.4	100.68	1.8108	0.001
37.50	35.9	14.6	100.70	1.8000	0.001
38.00	36.0	14.7	100.72	1.7895	0.001
38.50	36.1	14.8	100.75	1.7792	0.001
39.00	36.3	15.0	100.76	1.7692	0.001
39.50	36.5	15.2	100.77	1.7595	0.001
40.00	36.6	15.3	100.79	1.7500	0.001
40.50	36.8	15.4	100.81	1.7407	0.001
41.00	36.8	15.5	100.83	1.7317	0.001
41.50	37.1	15.8	100.84	1.7229	0.001
42.00	37.3	15.9	100.87	1.7143	0.001
42.50	37.3	15.9	100.88	1.7059	0.001
43.00	37.5	16.2	100.90	1.6977	0.001
43.50	37.6	16.3	100.91	1.6897	0.001
44.00	37.8	16.4	100.93	1.6818	0.001
44.50	37.9	16.6	100.95	1.6742	0.001
45.00	38.1	16.8	100.96	1.6667	0.001

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.
 DATE: 02/12/98 TIME: 15:59:27

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	45.50	38.2	16.9	100.98	1.6593	0.001
	46.00	38.3	17.0	101.00	1.6522	0.001
	46.50	38.4	17.1	101.02	1.6452	0.001
	47.00	38.6	17.3	101.03	1.6383	0.001
	47.50	38.7	17.4	101.06	1.6316	0.001
	48.00	38.8	17.5	101.08	1.6250	0.002
	48.50	39.0	17.7	101.09	1.6186	0.002
	49.00	39.1	17.8	101.11	1.6122	0.002
	49.50	39.2	17.9	101.12	1.6061	0.002
	50.00	39.4	18.0	101.14	1.6000	0.002
	50.50	39.4	18.1	101.16	1.5941	0.002
	51.00	39.6	18.3	101.17	1.5882	0.002
	51.50	39.8	18.5	101.20	1.5825	0.002
	52.00	39.9	18.5	101.21	1.5769	0.002
	52.50	40.0	18.7	101.22	1.5714	0.002
	53.00	40.2	18.9	101.25	1.5660	0.002
	53.50	40.2	18.9	101.25	1.5607	0.002
	54.00	40.4	19.1	101.28	1.5556	0.002
	54.50	40.5	19.2	101.29	1.5505	0.002
	55.00	40.6	19.3	101.31	1.5455	0.002
	55.50	40.7	19.4	101.33	1.5405	0.002
	56.00	40.9	19.6	101.35	1.5357	0.002
	56.50	40.9	19.6	101.36	1.5310	0.002
	57.00	41.1	19.8	101.38	1.5263	0.002
	57.50	41.3	20.0	101.39	1.5217	0.002
	58.00	41.3	20.0	101.40	1.5172	0.002
	58.50	41.5	20.1	101.43	1.5128	0.002
	59.00	41.6	20.3	101.44	1.5085	0.002
	59.50	41.7	20.4	101.46	1.5042	0.002
***** End Shut-in 1	60.00	40.4	19.1	101.47	1.5000	0.002
***** Start Flow 2	0.00	21.3	0.0	101.48		
	0.50	21.5	0.2	101.50		
	1.00	21.4	0.1	101.50		
	1.50	21.4	0.1	101.51		
	2.00	21.7	0.4	101.51		
	2.50	21.7	0.4	101.52		
	3.00	21.7	0.4	101.52		
	3.50	21.7	0.4	101.53		
	4.00	21.8	0.5	101.54		
	4.50	21.8	0.5	101.55		
	5.00	21.8	0.5	101.56		
	5.50	21.9	0.6	101.57		
	6.00	21.9	0.6	101.57		
	6.50	21.9	0.6	101.60		
	7.00	21.9	0.6	101.61		
	7.50	21.9	0.6	101.62		
	8.00	21.9	0.6	101.64		
	8.50	21.9	0.6	101.65		
	9.00	22.0	0.7	101.67		
	9.50	22.0	0.7	101.68		
	10.00	22.0	0.7	101.70		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

ATE: 02/12/98 TIME: 15:59:27

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6	
10.50	22.0	0.7	101.71			
11.00	22.0	0.7	101.73			
11.50	22.0	0.7	101.74			
12.00	22.0	0.7	101.76			
12.50	22.0	0.7	101.77			
13.00	22.0	0.7	101.78			
13.50	22.0	0.7	101.80			
14.00	22.1	0.8	101.82			
14.50	22.1	0.8	101.83			
15.00	22.1	0.8	101.85			
15.50	22.1	0.8	101.86			
16.00	21.9	0.6	101.87			
16.50	22.0	0.7	101.89			
17.00	22.0	0.7	101.91			
17.50	22.1	0.8	101.92			
18.00	22.1	0.8	101.93			
18.50	22.1	0.8	101.95			
19.00	22.1	0.8	101.97			
19.50	22.1	0.8	101.98			
20.00	22.1	0.8	102.00			
20.50	22.1	0.8	102.01			
21.00	22.1	0.8	102.03			
21.50	22.1	0.8	102.05			
22.00	22.1	0.8	102.06			
22.50	22.1	0.8	102.08			
23.00	22.1	0.8	102.09			
23.50	22.1	0.8	102.11			
24.00	22.1	0.8	102.13			
24.50	22.1	0.8	102.14			
25.00	22.1	0.8	102.15			
25.50	22.2	0.9	102.17			
26.00	22.2	0.9	102.19			
26.50	22.2	0.9	102.21			
27.00	22.1	0.8	102.22			
27.50	22.1	0.8	102.24			
28.00	22.1	0.8	102.25			
28.50	22.1	0.8	102.26			
29.00	22.1	0.8	102.28			
29.50	22.1	0.8	102.29			
30.00	21.5	0.2	102.31			
30.50	21.7	0.4	102.32			
***** End Flow 2						
***** Start Shutin 2	0.00	21.7	0.0	102.32	0.0000	0.000
	0.50	21.8	0.1	102.34	122.0000	0.000
	1.00	22.0	0.3	102.35	61.5000	0.000
	1.50	22.1	0.3	102.37	41.3333	0.000
	2.00	22.1	0.4	102.38	31.2500	0.000
	2.50	22.2	0.5	102.40	25.2000	0.000
	3.00	22.4	0.7	102.41	21.1667	0.001
	3.50	22.5	0.8	102.43	18.2857	0.001
	4.00	22.5	0.8	102.44	16.1250	0.001
	4.50	22.6	0.8	102.45	14.4444	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

DATE: 02/12/98

TIME: 15:59:27

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
5.00	22.7	0.9	102.47	13.1000	0.001
5.50	22.7	1.0	102.49	12.0000	0.001
6.00	22.8	1.1	102.50	11.0833	0.001
6.50	22.8	1.1	102.52	10.3077	0.001
7.00	22.9	1.2	102.53	9.6429	0.001
7.50	23.0	1.3	102.55	9.0667	0.001
8.00	23.0	1.3	102.56	8.5625	0.001
8.50	23.1	1.3	102.58	8.1176	0.001
9.00	23.2	1.4	102.59	7.7222	0.001
9.50	23.2	1.5	102.60	7.3684	0.001
10.00	23.4	1.7	102.63	7.0500	0.001
10.50	23.4	1.7	102.64	6.7619	0.001
11.00	23.5	1.8	102.65	6.5000	0.001
11.50	23.6	1.8	102.66	6.2609	0.001
12.00	23.7	1.9	102.68	6.0417	0.001
12.50	23.7	1.9	102.69	5.8400	0.001
13.00	23.7	2.0	102.71	5.6538	0.001
13.50	23.8	2.1	102.73	5.4815	0.001
14.00	23.9	2.2	102.74	5.3214	0.001
14.50	23.9	2.2	102.75	5.1724	0.001
15.00	24.0	2.3	102.77	5.0333	0.001
15.50	24.1	2.3	102.79	4.9032	0.001
16.00	24.2	2.4	102.80	4.7812	0.001
16.50	24.2	2.5	102.82	4.6667	0.001
17.00	24.3	2.6	102.83	4.5588	0.001
17.50	24.3	2.6	102.84	4.4571	0.001
18.00	24.4	2.7	102.86	4.3611	0.001
18.50	24.5	2.8	102.87	4.2703	0.001
19.00	24.6	2.9	102.88	4.1842	0.001
19.50	24.6	2.9	102.90	4.1026	0.001
20.00	24.7	2.9	102.92	4.0250	0.001
20.50	24.8	3.0	102.92	3.9512	0.001
21.00	24.8	3.0	102.95	3.8810	0.001
21.50	24.8	3.1	102.96	3.8140	0.001
22.00	24.9	3.2	102.97	3.7500	0.001
22.50	25.0	3.3	102.99	3.6889	0.001
23.00	25.0	3.3	103.00	3.6304	0.001
23.50	25.1	3.4	103.02	3.5745	0.001
24.00	25.2	3.4	103.03	3.5208	0.001
24.50	25.3	3.5	103.04	3.4694	0.001
25.00	25.3	3.6	103.05	3.4200	0.001
25.50	25.3	3.6	103.07	3.3725	0.001
26.00	25.4	3.7	103.08	3.3269	0.001
26.50	25.5	3.8	103.09	3.2830	0.001
27.00	25.6	3.9	103.12	3.2407	0.001
27.50	25.6	3.9	103.13	3.2000	0.001
28.00	25.7	3.9	103.14	3.1607	0.001
28.50	25.7	3.9	103.14	3.1228	0.001
29.00	25.8	4.0	103.16	3.0862	0.001
29.50	25.8	4.1	103.18	3.0508	0.001
30.00	25.8	4.1	103.19	3.0167	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

FEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

DATE: 02/12/98

TIME: 15:59:27

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
30.50	25.9	4.2	103.20	2.9836	0.001
31.00	26.0	4.3	103.22	2.9516	0.001
31.50	26.0	4.3	103.23	2.9206	0.001
32.00	26.2	4.4	103.25	2.8906	0.001
32.50	26.2	4.4	103.26	2.8615	0.001
33.00	26.2	4.4	103.27	2.8333	0.001
33.50	26.3	4.6	103.28	2.8060	0.001
34.00	26.3	4.6	103.29	2.7794	0.001
34.50	26.3	4.6	103.30	2.7536	0.001
35.00	26.4	4.7	103.31	2.7286	0.001
35.50	26.5	4.8	103.33	2.7042	0.001
36.00	26.6	4.9	103.34	2.6806	0.001
36.50	26.6	4.9	103.36	2.6575	0.001
37.00	26.7	5.0	103.37	2.6351	0.001
37.50	26.8	5.0	103.38	2.6133	0.001
38.00	26.8	5.0	103.39	2.5921	0.001
38.50	26.8	5.1	103.41	2.5714	0.001
39.00	26.9	5.2	103.42	2.5513	0.001
39.50	26.9	5.2	103.43	2.5316	0.001
40.00	27.0	5.3	103.45	2.5125	0.001
40.50	27.0	5.3	103.46	2.4938	0.001
41.00	27.0	5.3	103.46	2.4756	0.001
41.50	27.1	5.4	103.49	2.4578	0.001
42.00	27.2	5.5	103.50	2.4405	0.001
42.50	27.3	5.5	103.51	2.4235	0.001
43.00	27.3	5.5	103.52	2.4070	0.001
43.50	27.4	5.6	103.54	2.3908	0.001
44.00	27.4	5.7	103.55	2.3750	0.001
44.50	27.5	5.8	103.56	2.3596	0.001
45.00	27.5	5.8	103.57	2.3444	0.001
45.50	27.6	5.9	103.58	2.3297	0.001
46.00	27.6	5.9	103.59	2.3152	0.001
46.50	27.7	6.0	103.61	2.3011	0.001
47.00	27.8	6.0	103.62	2.2872	0.001
47.50	27.9	6.1	103.63	2.2737	0.001
48.00	27.9	6.1	103.65	2.2604	0.001
48.50	27.9	6.1	103.66	2.2474	0.001
49.00	27.9	6.1	103.68	2.2347	0.001
49.50	28.0	6.3	103.68	2.2222	0.001
50.00	27.9	6.2	103.69	2.2100	0.001
50.50	28.1	6.4	103.71	2.1980	0.001
51.00	28.1	6.4	103.72	2.1863	0.001
51.50	28.2	6.5	103.73	2.1748	0.001
52.00	28.2	6.5	103.74	2.1635	0.001
52.50	28.3	6.5	103.75	2.1524	0.001
53.00	28.3	6.5	103.77	2.1415	0.001
53.50	28.4	6.6	103.78	2.1308	0.001
54.00	28.4	6.7	103.79	2.1204	0.001
54.50	28.4	6.7	103.81	2.1101	0.001
55.00	28.4	6.7	103.81	2.1000	0.001
55.50	28.5	6.8	103.84	2.0901	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

DATE: 02/12/98

TIME: 15:59:27

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
56.00	28.5	6.8	103.85	2.0804	0.001
56.50	28.6	6.9	103.85	2.0708	0.001
57.00	28.7	7.0	103.86	2.0614	0.001
57.50	28.8	7.0	103.87	2.0522	0.001
58.00	28.8	7.0	103.89	2.0431	0.001
58.50	28.9	7.1	103.89	2.0342	0.001
59.00	28.9	7.1	103.91	2.0254	0.001
59.50	28.9	7.2	103.92	2.0168	0.001
60.00	28.9	7.2	103.94	2.0083	0.001
60.50	29.0	7.3	103.95	2.0000	0.001
61.00	29.1	7.4	103.96	1.9918	0.001
61.50	29.1	7.4	103.97	1.9837	0.001
62.00	29.2	7.5	103.98	1.9758	0.001
62.50	29.3	7.6	103.99	1.9680	0.001
63.00	29.3	7.6	104.01	1.9603	0.001
63.50	29.3	7.6	104.01	1.9528	0.001
64.00	29.4	7.6	104.02	1.9453	0.001
64.50	29.4	7.6	104.04	1.9380	0.001
65.00	29.5	7.7	104.05	1.9308	0.001
65.50	29.5	7.7	104.06	1.9237	0.001
66.00	29.6	7.9	104.08	1.9167	0.001
66.50	29.5	7.8	104.08	1.9098	0.001
67.00	29.7	8.0	104.10	1.9030	0.001
67.50	29.7	8.0	104.11	1.8963	0.001
68.00	29.7	8.0	104.12	1.8897	0.001
68.50	29.8	8.1	104.14	1.8832	0.001
69.00	29.8	8.1	104.14	1.8768	0.001
69.50	29.8	8.1	104.15	1.8705	0.001
70.00	30.0	8.2	104.17	1.8643	0.001
70.50	30.0	8.2	104.18	1.8582	0.001
71.00	30.0	8.3	104.19	1.8521	0.001
71.50	30.2	8.5	104.20	1.8462	0.001
72.00	30.2	8.5	104.21	1.8403	0.001
72.50	30.2	8.5	104.22	1.8345	0.001
73.00	30.2	8.5	104.23	1.8288	0.001
73.50	30.2	8.5	104.24	1.8231	0.001
74.00	30.4	8.6	104.26	1.8176	0.001
74.50	30.4	8.6	104.26	1.8121	0.001
75.00	30.5	8.7	104.28	1.8067	0.001
75.50	30.5	8.7	104.29	1.8013	0.001
76.00	30.5	8.8	104.30	1.7961	0.001
76.50	30.5	8.7	104.31	1.7908	0.001
77.00	30.6	8.9	104.32	1.7857	0.001
77.50	30.5	8.8	104.33	1.7806	0.001
78.00	30.7	9.0	104.35	1.7756	0.001
78.50	30.8	9.1	104.36	1.7707	0.001
79.00	30.8	9.1	104.37	1.7658	0.001
79.50	30.9	9.1	104.38	1.7610	0.001
80.00	30.9	9.1	104.39	1.7563	0.001
80.50	31.0	9.2	104.39	1.7516	0.001
81.00	31.0	9.3	104.41	1.7469	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

DATE: 02/12/98 TIME: 15:59:27

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
81.50	31.0	9.3	104.43	1.7423	0.001
82.00	31.0	9.3	104.43	1.7378	0.001
82.50	31.0	9.3	104.44	1.7333	0.001
83.00	31.0	9.3	104.45	1.7289	0.001
83.50	31.0	9.3	104.47	1.7246	0.001
84.00	31.2	9.5	104.47	1.7202	0.001
84.50	31.2	9.5	104.49	1.7160	0.001
85.00	31.3	9.6	104.49	1.7118	0.001
85.50	31.3	9.6	104.50	1.7076	0.001
86.00	31.4	9.6	104.52	1.7035	0.001
86.50	31.4	9.6	104.53	1.6994	0.001
87.00	31.5	9.7	104.53	1.6954	0.001
87.50	31.5	9.7	104.55	1.6914	0.001
88.00	31.5	9.8	104.56	1.6875	0.001
88.50	31.5	9.8	104.57	1.6836	0.001
89.00	31.6	9.9	104.59	1.6798	0.001
89.50	31.7	10	104.59	1.6760	0.001
90.00	31.7	10	104.60	1.6722	0.001
90.50	31.7	10	104.61	1.6685	0.001
91.00	31.8	10.1	104.62	1.6648	0.001
91.50	31.8	10.1	104.64	1.6612	0.001
92.00	31.9	10.2	104.65	1.6576	0.001
92.50	32.0	10.2	104.66	1.6541	0.001
93.00	32.0	10.2	104.67	1.6505	0.001
93.50	32.0	10.3	104.68	1.6471	0.001
94.00	32.0	10.3	104.69	1.6436	0.001
94.50	32.0	10.2	104.70	1.6402	0.001
95.00	32.1	10.4	104.71	1.6368	0.001
95.50	32.1	10.4	104.72	1.6335	0.001
96.00	32.1	10.4	104.73	1.6302	0.001
96.50	32.2	10.5	104.73	1.6269	0.001
97.00	32.2	10.5	104.75	1.6237	0.001
97.50	32.3	10.6	104.76	1.6205	0.001
98.00	32.4	10.7	104.78	1.6173	0.001
98.50	32.4	10.7	104.79	1.6142	0.001
99.00	32.4	10.7	104.80	1.6111	0.001
99.50	32.5	10.7	104.80	1.6080	0.001
100.00	32.5	10.7	104.82	1.6050	0.001
100.50	32.6	10.8	104.83	1.6020	0.001
101.00	32.6	10.9	104.85	1.5990	0.001
101.50	32.6	10.9	104.85	1.5961	0.001
102.00	32.6	10.9	104.86	1.5931	0.001
102.50	32.7	11.0	104.86	1.5902	0.001
103.00	32.8	11.1	104.87	1.5874	0.001
103.50	32.8	11.1	104.89	1.5845	0.001
104.00	32.8	11.1	104.90	1.5817	0.001
104.50	32.9	11.2	104.90	1.5789	0.001
105.00	32.9	11.2	104.91	1.5762	0.001
105.50	33.0	11.2	104.93	1.5735	0.001
106.00	33.0	11.2	104.94	1.5708	0.001
106.50	33.0	11.2	104.95	1.5681	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10600 DST#1 SPRIGGS F#1 WOOLSEY PETL.CORP.

DATE: 02/12/98

TIME: 15:59:27

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	107.00	33.1	11.3	104.95	1.5654	0.001
	107.50	33.1	11.4	104.97	1.5628	0.001
	108.00	33.1	11.4	104.98	1.5602	0.001
	108.50	33.1	11.4	104.99	1.5576	0.001
	109.00	33.1	11.4	105.00	1.5550	0.001
	109.50	33.1	11.4	105.01	1.5525	0.001
	110.00	33.3	11.6	105.03	1.5500	0.001
	110.50	33.3	11.6	105.03	1.5475	0.001
	111.00	33.4	11.7	105.04	1.5450	0.001
	111.50	33.4	11.7	105.05	1.5426	0.001
	112.00	33.4	11.7	105.06	1.5402	0.001
	112.50	33.5	11.7	105.07	1.5378	0.001
	113.00	33.5	11.7	105.08	1.5354	0.001
	113.50	33.6	11.8	105.09	1.5330	0.001
	114.00	33.6	11.9	105.10	1.5307	0.001
	114.50	33.6	11.9	105.12	1.5284	0.001
	115.00	33.6	11.9	105.12	1.5261	0.001
	115.50	33.6	11.9	105.13	1.5238	0.001
	116.00	33.7	12.0	105.13	1.5216	0.001
	116.50	33.7	12.0	105.15	1.5193	0.001
	117.00	33.8	12.1	105.15	1.5171	0.001
	117.50	33.9	12.2	105.17	1.5149	0.001
	118.00	34.0	12.3	105.17	1.5127	0.001
	118.50	34.0	12.3	105.19	1.5105	0.001
	119.00	34.0	12.3	105.20	1.5084	0.001
	119.50	34.0	12.3	105.21	1.5063	0.001
	120.00	34.1	12.3	105.22	1.5042	0.001
	120.50	34.1	12.3	105.22	1.5021	0.001
	121.00	34.1	12.4	105.24	1.5000	0.001
	121.50	34.2	12.5	105.25	1.4979	0.001
	122.00	34.2	12.5	105.26	1.4959	0.001
<***** End Shut-in 2	122.50	34.2	12.5	105.27	1.4939	0.001
<***** Final Hydro.	364.00	1851.6	0.0	105.40		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10600

Well Name & No.	<u>SPRIGGS F#1</u>	Test No.	<u>1</u>	Date	<u>2-12-97</u>
Company	<u>WOMERSLEY PETL. CORP.</u>	Zone Tested	<u>SNYDERVILLE</u>		
Address	<u>125 N. MARKET, STE. 1000, WICHITA, KS. 67202</u>		Elevation	<u>1676</u>	KB <u>1663</u> GL
Co. Rep / Geo.	<u>MIKHA MAUNE</u>	Cont.	<u>DUKE DILLG#7</u>	Est. Ft. of Pay	<u>S</u> Por. <u>10</u> %
Location: Sec.	<u>34</u>	Twp.	<u>33^S</u>	Rge.	<u>13^W</u> Co. <u>BARBER</u> State <u>KS.</u>
No. of Copies	<u>6</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested	<u>3916 - 3950'</u>	Initial Str Wt./Lbs.	<u>63,000</u>	Unseated Str Wt./Lbs.	<u>63,000</u>
Anchor Length	<u>34'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>75,000</u>
Top Packer Depth	<u>3911'</u>	Tool Weight	<u>2,100#</u>		
Bottom Packer Depth	<u>3916'</u>	Hole Size — 7 7/8"	<input checked="" type="checkbox"/>	Rubber Size — 6 3/4"	<input checked="" type="checkbox"/>
Total Depth	<u>3950'</u>	Wt. Pipe Run	<u>None</u>	Drill Collar Run	<u>240'</u>
Mud Wt.	<u>9.2</u> LCM <u>-</u> Vis. <u>43</u> WL <u>9.4 cc.</u>	Drill Pipe Size	<u>4 1/2" K.H.</u>	Ft. Run	<u>3654'</u>
Blow Description	<u>FF: Weak below, (1/4") Dead in 30 mins.</u>				

FF: No blow.

Recovery — Total Feet	<u>5</u>	GIP	<u>?</u>	Ft. in DC	<u>5</u>	Ft. in DP	<u>~</u>
Rec.	<u>5</u> Feet Of	<u>Only 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 105 °F Gravity N/A °API D@ ~ °F Corrected Gravity N/A °API
 RW N.C. @ ~ °F Chlorides 3,000 ppm Recovery Chlorides 3,000 ppm System

(A) Initial Hydrostatic Mud	<u>1887</u>	<u>1902</u> PSI	Recorder No.	<u>10248</u>	T-Started	<u>1559</u>
(B) First Initial Flow Pressure	<u>21</u>	<u>20</u> PSI	(depth)	<u>3947'</u>	T-Open	<u>1800</u>
(C) First Final Flow Pressure	<u>21</u>	<u>21</u> PSI	Recorder No.	<u>2342</u>	T-Pulled	<u>2202</u>
(D) Initial Shut-in Pressure	<u>34</u>	<u>40</u> PSI	(depth)	<u>3922'</u>	T-Out	<u>2355</u>
(E) Second Initial Flow Pressure	<u>21</u>	<u>21</u> PSI	Recorder No.	<u>~</u>		
(F) Second Final Flow Pressure	<u>21</u>	<u>22</u> PSI	(depth)	<u>~</u>		
(G) Final Shut-in Pressure	<u>30</u>	<u>34</u> PSI	Initial Opening	<u>30</u>	Test	<input checked="" type="checkbox"/> <u>600</u>
(H) Final Hydrostatic Mud	<u>1876</u>	<u>1852</u> PSI	Initial Shut-in	<u>60</u>	Jars	<input checked="" type="checkbox"/> <u>200</u>
	<u>AK-1</u>	<u>ALPINE</u>	Final Flow	<u>30</u>	Safety Joint	<input checked="" type="checkbox"/> <u>50</u>
			Final Shut-in	<u>120</u>	Straddle	
					Circ. Sub	
					Sampler	
					Extra Packer	
					Elect. Rec.	<input checked="" type="checkbox"/> <u>150</u>
					Other Time?	<input checked="" type="checkbox"/> <u>~</u>
					TOTAL PRICE \$	<input checked="" type="checkbox"/> <u>1000.00</u>

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Approved By Michael K. Maune
 Our Representative Gary P. Williams