

**WELL NAME:** Suchy #1-31  
**COMPANY:** Dunne Oil Company  
**LOCATION:** 31-18S-27W  
Lane County, Kansas  
**DATE:** 1/28/98

TRILOBITE TESTING L.L.C.

OPERATOR : Dunne Oil Company DATE 1-23-98  
 WELL NAME: Suchy #1-31 KB 2731.00 ft TICKET NO: 10513 DST #1  
 LOCATION : 31-18S-27W Lane KS. GR 2721.00 ft FORMATION: L/KC  
 INTERVAL : 4269.00 To 4295.00 ft TD 4295.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 5 Rec.	13339	13339	3024			PF Fr. 0555 to 0600 hr
SI 45 Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0600 to 0645 hr
SF 60 Clock(hrs)	12 HR	12 HR	ALP			SF Fr. 0645 to 0745 hr
FS 90 Depth(ft )	4290.0	4290.0	4270.0	0.0	0.0	FS Fr. 0745 to 0915 hr

	Field	1	2	3	4	
A. Init Hydro	2083.0	2089.0	2084.0	0.0	0.0	T STARTED 0350 hr
B. First Flow	20.0	46.0	18.0	0.0	0.0	T ON BOTM 0552 hr
B1. Final Flow	20.0	39.0	29.0	0.0	0.0	T OPEN 0555 hr
C. In Shut-in	769.0	790.0	807.0	0.0	0.0	T PULLED 0915 hr
D. Init Flow	62.0	83.0	39.0	0.0	0.0	T OUT 1100 hr
E. Final Flow	93.0	119.0	111.0	0.0	0.0	
F. Fl Shut-in	749.0	775.0	788.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2053.0	2075.0	2058.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 66000.00 lbs
						Unseated Str Wt 66000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4258.00 ft

RECOVERY

Tot Fluid 210.00 ft of 0.00 ft in DC and 210.00 ft in DP  
 90.00 ft of Gas oil cut mud 10%gas 10%oil 80%mud  
 60.00 ft of Gas oil water cut mud  
 0.00 ft of 55% gas 1% oil 15% water 20% mud  
 60.00 ft of Water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 SALINITY 20000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	42.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	126.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Flow:  
 Weak to fair blow built to 10"  
 Initial Shut-in:  
 No return blow  
 Final Flow:  
 Fair to strong blow off bttm in 7 mins.  
 Final Shut-in:  
 No return blow

SAMPLES:  
 SENT TO:

Test Successful: Y

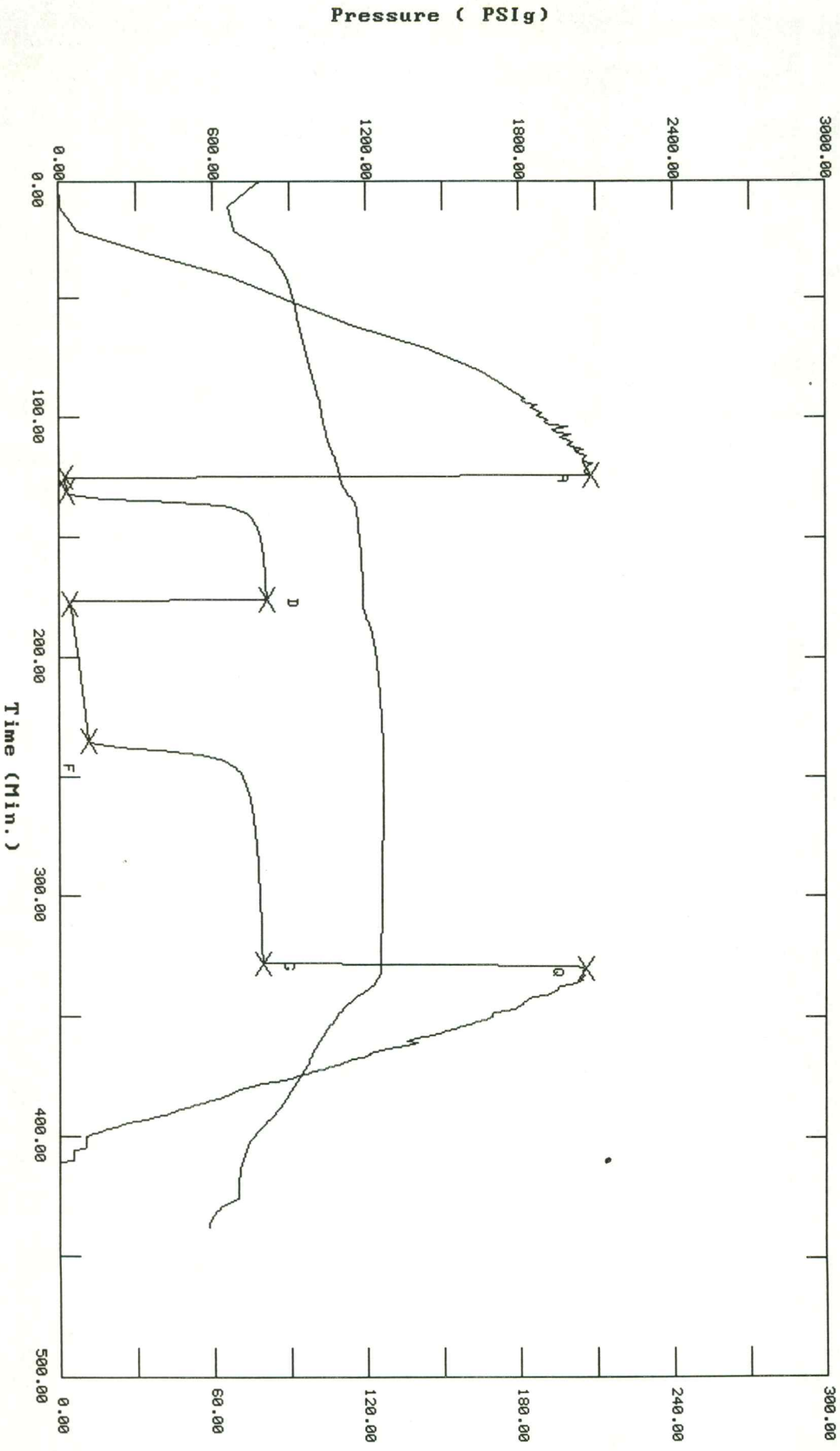


# TEST HISTORY

10513 DST #1 Suchy #1-31 Dunne Oil Company

Flag Points

Flag Points	t (Min.)	P (PSig)
R	0.00	2084.34
B	0.00	18.67
C	6.00	29.68
D	45.00	807.10
E	0.00	39.38
F	57.00	111.44
G	93.00	788.64
Q	0.00	2058.12



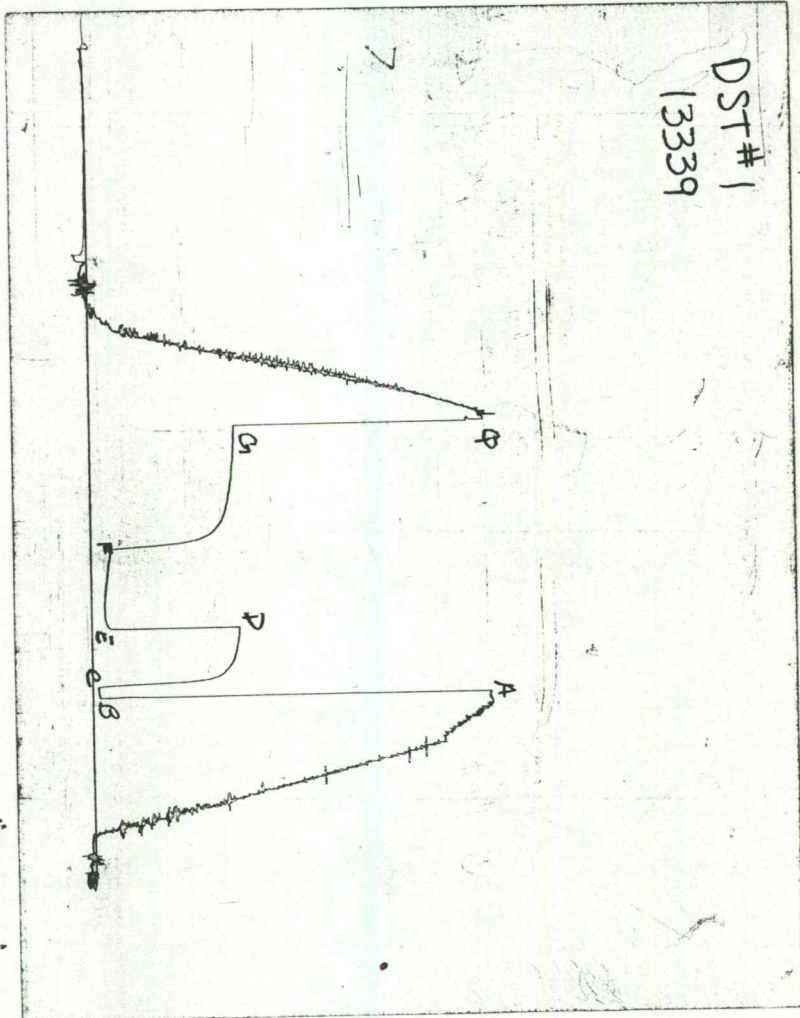
Temperature (DEG F)

Pressure ( PSig)

Time (Min.)

CHART PAGE

DST# 1  
13339



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

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10513 DST #1 Suchy #1-31 Dunne Oil Company

DATE: 01/23/98 TIME: 03:50:38  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	124.00	2084.3	0.0	109.47		
***** Start Flow 1	0.00	18.7	0.0	109.67		
	1.00	20.2	1.6	109.80		
	2.00	21.9	3.2	110.11		
	3.00	23.9	5.2	110.57		
	4.00	25.9	7.2	111.03		
	5.00	27.8	9.2	111.51		
***** End Flow 1	6.00	29.7	11.0	112.20		
***** Start Shutin 1	0.00	29.7	0.0	112.20	0.0000	0.001
	1.00	37.5	7.8	112.99	7.0000	0.001
	2.00	81.2	51.5	113.78	4.0000	0.007
	3.00	169.9	140.3	114.49	3.0000	0.029
	4.00	354.0	324.3	115.07	2.5000	0.125
	5.00	544.1	514.4	115.54	2.2000	0.296
	6.00	640.1	610.4	115.91	2.0000	0.410
	7.00	685.5	655.9	116.16	1.8571	0.470
	8.00	711.8	682.1	116.34	1.7500	0.507
	9.00	728.8	699.1	116.47	1.6667	0.531
	10.00	740.8	711.1	116.56	1.6000	0.549
	11.00	749.9	720.3	116.65	1.5455	0.562
	12.00	757.1	727.4	116.74	1.5000	0.573
	13.00	762.9	733.3	116.81	1.4615	0.582
	14.00	767.8	738.1	116.87	1.4286	0.589
	15.00	771.9	742.2	116.95	1.4000	0.596
	16.00	775.4	745.7	117.06	1.3750	0.601
	17.00	778.4	748.8	117.17	1.3529	0.606
	18.00	781.1	751.4	117.29	1.3333	0.610
	19.00	783.4	753.7	117.41	1.3158	0.614
	20.00	785.6	755.9	117.52	1.3000	0.617
	21.00	787.5	757.8	117.63	1.2857	0.620
	22.00	789.3	759.6	117.72	1.2727	0.623
	23.00	790.8	761.1	117.79	1.2609	0.625
	24.00	792.2	762.5	117.90	1.2500	0.628
	25.00	793.5	763.8	117.97	1.2400	0.630
	26.00	794.7	765.0	118.07	1.2308	0.632
	27.00	795.8	766.1	118.13	1.2222	0.633
	28.00	796.7	767.1	118.20	1.2143	0.635
	29.00	797.7	768.0	118.25	1.2069	0.636
	30.00	798.6	768.9	118.29	1.2000	0.638
	31.00	799.4	769.7	118.34	1.1935	0.639
	32.00	800.1	770.4	118.37	1.1875	0.640
	33.00	800.9	771.2	118.39	1.1818	0.641
	34.00	801.7	772.0	118.42	1.1765	0.643
	35.00	802.3	772.6	118.47	1.1714	0.644
	36.00	802.9	773.2	118.49	1.1667	0.645
	37.00	803.5	773.8	118.51	1.1622	0.646
	38.00	804.0	774.3	118.55	1.1579	0.646
	39.00	804.5	774.8	118.58	1.1538	0.647
	40.00	805.0	775.3	118.60	1.1500	0.648
	41.00	805.5	775.8	118.62	1.1463	0.649
	42.00	805.9	776.2	118.64	1.1429	0.650

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10513 DST #1 Suchy #1-31 Dunne Oil Company

DATE: 01/23/98 TIME: 03:50:38

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	43.00	806.3	776.7	118.66	1.1395	0.650
	44.00	806.7	777.1	118.68	1.1364	0.651
***** End Shut-in 1	45.00	807.1	777.4	118.69	1.1333	0.651
***** Start Flow 2	0.00	39.4	0.0	118.75		
	1.00	41.8	2.5	118.84		
	2.00	43.5	4.1	118.99		
	3.00	45.2	5.8	119.21		
	4.00	47.4	8.0	119.49		
	5.00	48.7	9.3	119.81		
	6.00	50.0	10.6	120.16		
	7.00	51.6	12.2	120.53		
	8.00	52.6	13.3	120.88		
	9.00	54.0	14.6	121.22		
	10.00	55.5	16.1	121.54		
	11.00	56.7	17.3	121.82		
	12.00	58.2	18.8	122.09		
	13.00	59.6	20.3	122.31		
	14.00	61.2	21.9	122.52		
	15.00	62.6	23.3	122.72		
	16.00	64.1	24.7	122.91		
	17.00	65.1	25.8	123.09		
	18.00	66.6	27.2	123.26		
	19.00	67.7	28.3	123.42		
	20.00	68.8	29.4	123.57		
	21.00	70.0	30.7	123.70		
	22.00	71.4	32.0	123.83		
	23.00	73.0	33.6	123.94		
	24.00	74.1	34.7	124.05		
	25.00	75.3	35.9	124.16		
	26.00	76.5	37.2	124.27		
	27.00	77.7	38.3	124.34		
	28.00	78.8	39.5	124.44		
	29.00	80.1	40.8	124.53		
	30.00	81.2	41.8	124.64		
	31.00	82.3	42.9	124.72		
	32.00	83.3	43.9	124.81		
	33.00	84.6	45.3	124.89		
	34.00	86.0	46.6	124.97		
	35.00	86.8	47.4	125.04		
	36.00	88.4	49.0	125.12		
	37.00	89.6	50.2	125.19		
	38.00	90.5	51.2	125.26		
	39.00	91.8	52.4	125.34		
	40.00	92.8	53.4	125.40		
	41.00	93.9	54.5	125.48		
	42.00	94.8	55.4	125.53		
	43.00	95.9	56.6	125.59		
	44.00	97.0	57.6	125.66		
	45.00	98.3	59.0	125.72		
	46.00	99.6	60.2	125.78		
	47.00	100.8	61.4	125.84		

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	48.00	101.9	62.5	125.90		
	49.00	102.5	63.1	125.95		
	50.00	103.9	64.5	126.01		
	51.00	105.0	65.7	126.07		
	52.00	106.0	66.7	126.12		
	53.00	107.0	67.7	126.18		
	54.00	108.1	68.7	126.24		
	55.00	109.0	69.7	126.28		
	56.00	110.1	70.7	126.34		
*****	End Flow 2	57.00	111.4	72.1	126.40	
*****	Start Shutin 2	0.00	111.4	0.0	126.40	0.012
	1.00	116.7	5.3	126.45	64.0000	0.014
	2.00	188.1	76.6	126.51	32.5000	0.035
	3.00	287.1	175.7	126.56	22.0000	0.082
	4.00	396.8	285.4	126.62	16.7500	0.157
	5.00	486.2	374.8	126.68	13.6000	0.236
	6.00	549.9	438.5	126.72	11.5000	0.302
	7.00	594.8	483.4	126.76	10.0000	0.354
	8.00	626.6	515.2	126.79	8.8750	0.393
	9.00	649.6	538.2	126.81	8.0000	0.422
	10.00	666.6	555.2	126.82	7.3000	0.444
	11.00	679.5	568.1	126.83	6.7273	0.462
	12.00	689.6	578.1	126.82	6.2500	0.476
	13.00	697.7	586.3	126.82	5.8462	0.487
	14.00	704.4	593.0	126.80	5.5000	0.496
	15.00	710.2	598.7	126.80	5.2000	0.504
	16.00	715.1	603.7	126.78	4.9375	0.511
	17.00	719.4	608.0	126.77	4.7059	0.518
	18.00	723.3	611.8	126.74	4.5000	0.523
	19.00	726.7	615.3	126.71	4.3158	0.528
	20.00	729.8	618.4	126.69	4.1500	0.533
	21.00	732.7	621.2	126.67	4.0000	0.537
	22.00	735.3	623.8	126.64	3.8636	0.541
	23.00	737.7	626.3	126.62	3.7391	0.544
	24.00	739.9	628.5	126.58	3.6250	0.547
	25.00	742.0	630.6	126.56	3.5200	0.551
	26.00	743.9	632.5	126.53	3.4231	0.553
	27.00	745.7	634.3	126.51	3.3333	0.556
	28.00	747.4	636.0	126.48	3.2500	0.559
	29.00	749.1	637.6	126.46	3.1724	0.561
	30.00	750.6	639.1	126.43	3.1000	0.563
	31.00	752.0	640.6	126.42	3.0323	0.566
	32.00	753.4	642.0	126.40	2.9688	0.568
	33.00	754.7	643.3	126.38	2.9091	0.570
	34.00	755.9	644.5	126.35	2.8529	0.571
	35.00	757.1	645.7	126.34	2.8000	0.573
	36.00	758.3	646.8	126.33	2.7500	0.575
	37.00	759.3	647.9	126.30	2.7027	0.577
	38.00	760.4	649.0	126.30	2.6579	0.578
	39.00	761.4	650.0	126.27	2.6154	0.580
	40.00	762.4	650.9	126.25	2.5750	0.581

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DATE: 01/23/98

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
41.00	763.3	651.9	126.24	2.5366	0.583
42.00	764.2	652.7	126.22	2.5000	0.584
43.00	765.0	653.6	126.21	2.4651	0.585
44.00	765.9	654.5	126.19	2.4318	0.587
45.00	766.7	655.3	126.17	2.4000	0.588
46.00	767.5	656.1	126.15	2.3696	0.589
47.00	768.2	656.8	126.13	2.3404	0.590
48.00	769.0	657.5	126.12	2.3125	0.591
49.00	769.7	658.2	126.10	2.2857	0.592
50.00	770.4	658.9	126.07	2.2600	0.593
51.00	770.9	659.5	126.06	2.2353	0.594
52.00	771.5	660.1	126.04	2.2115	0.595
53.00	772.1	660.6	126.01	2.1887	0.596
54.00	772.7	661.2	126.00	2.1667	0.597
55.00	773.2	661.8	125.98	2.1455	0.598
56.00	773.7	662.2	125.96	2.1250	0.599
57.00	774.2	662.7	125.95	2.1053	0.599
58.00	774.7	663.2	125.93	2.0862	0.600
59.00	775.2	663.8	125.92	2.0678	0.601
60.00	775.7	664.2	125.90	2.0500	0.602
61.00	776.1	664.7	125.89	2.0328	0.602
62.00	776.7	665.3	125.86	2.0161	0.603
63.00	777.5	666.1	125.86	2.0000	0.605
64.00	778.1	666.7	125.84	1.9844	0.605
65.00	778.6	667.2	125.83	1.9692	0.606
66.00	779.1	667.7	125.80	1.9545	0.607
67.00	779.5	668.1	125.79	1.9403	0.608
68.00	780.0	668.6	125.78	1.9265	0.608
69.00	780.5	669.0	125.76	1.9130	0.609
70.00	780.9	669.5	125.75	1.9000	0.610
71.00	781.3	669.9	125.73	1.8873	0.610
72.00	781.7	670.3	125.72	1.8750	0.611
73.00	782.1	670.7	125.71	1.8630	0.612
74.00	782.5	671.1	125.69	1.8514	0.612
75.00	782.9	671.4	125.69	1.8400	0.613
76.00	783.2	671.8	125.67	1.8289	0.613
77.00	783.6	672.2	125.67	1.8182	0.614
78.00	784.0	672.5	125.65	1.8077	0.615
79.00	784.3	672.9	125.65	1.7975	0.615
80.00	784.7	673.2	125.63	1.7875	0.616
81.00	785.0	673.6	125.62	1.7778	0.616
82.00	785.3	673.9	125.61	1.7683	0.617
83.00	785.7	674.2	125.61	1.7590	0.617
84.00	786.0	674.6	125.60	1.7500	0.618
85.00	786.3	674.9	125.59	1.7412	0.618
86.00	786.6	675.2	125.58	1.7326	0.619
87.00	786.9	675.5	125.57	1.7241	0.619
88.00	787.2	675.8	125.56	1.7159	0.620
89.00	787.5	676.1	125.57	1.7079	0.620
90.00	787.8	676.4	125.54	1.7000	0.621
91.00	788.1	676.7	125.54	1.6923	0.621

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	Time	Pressure PSig	delta P PSig	P	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** End Shut-in 2	92.00	788.4	677.0		125.53	1.6848	0.622
	93.00	788.6	677.2		125.53	1.6774	0.622
***** Final Hydro.	330.00	2058.1	0.0		125.44		

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 10513

Well Name & No.	Suchy # 1-31	Test No.	1	Date	1-23-98				
Company	Dunne Oil Company	Zone Tested	Lans/KC 'K'						
Address	100 S. Main Ste 410 Wichita, KS. 67202	Elevation	2721	KB	2721	GL			
Co. Rep / Geo.	Steve Davis	Cont.	Duke #4	Est. Ft. of Pay		Por.	%		
Location: Sec.	31	Twp.	18 <sup>S</sup>	Rge.	27 <sup>W</sup>	Co.	Lane	State	KS
No. of Copies		Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N	Evaluation (Y, N)			

Interval Tested 4269 - 4295 Initial Str Wt./Lbs. 66,000 Unseated Str Wt./Lbs. 66,000  
Anchor Length 26' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 70,000  
Top Packer Depth 4264 Tool Weight 1800  
Bottom Packer Depth 4269 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
Total Depth 4295 Wt. Pipe Run — Drill Collar Run —  
Mud Wt. 9.1 LCM — Vis. 42 WL 9.6 Drill Pipe Size 4 1/2" XH Ft. Run 4258'  
Blow Description IF: Weak to fair blow built to 10"  
ISI: No return blow.  
FF: Fair to strong blow off bttm in 7 mins.  
FSI: No return blow.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP		
<u>210'</u>	<u>600'</u>	<u>—</u>	<u>210'</u>		
Rec. <u>90'</u>	Feet Of <u>GOCM</u>	<u>10</u> %gas	<u>10</u> %oil	<u>80</u> %water	<u>—</u> %mud
Rec. <u>60'</u>	Feet Of <u>GOWCM</u>	<u>55</u> %gas	<u>10</u> %oil	<u>15</u> %water	<u>20</u> %mud
Rec. <u>60'</u>	Feet Of <u>Water</u>	<u>—</u> %gas	<u>—</u> %oil	<u>100</u> %water	<u>—</u> %mud
Rec. <u>—</u>	Feet Of <u>—</u>	<u>—</u> %gas	<u>—</u> %oil	<u>—</u> %water	<u>—</u> %mud

BHT 126° °F Gravity — °API D@ — °F Corrected Gravity — °API  
RW .35 @ 70° °F Chlorides 20,000 ppm Recovery Chlorides 2,400 ppm System

(A) Initial Hydrostatic Mud	<u>2083</u>	<u>2084</u>	PSI	Recorder No.	<u>3024</u>	T-Started	<u>0350</u>
(B) First Initial Flow Pressure	<u>20</u>	<u>18</u>	PSI	(depth)	<u>4270</u>	T-Open	<u>0555</u>
(C) First Final Flow Pressure	<u>20</u>	<u>29</u>	PSI	Recorder No.	<u>13339</u>	T-Pulled	<u>0915</u>
(D) Initial Shut-in Pressure	<u>769</u>	<u>807</u>	PSI	(depth)	<u>4290</u>	T-Out	<u>1100</u>
(E) Second Initial Flow Pressure	<u>62</u>	<u>39</u>	PSI	Recorder No.	<u>—</u>		
(F) Second Final Flow Pressure	<u>93</u>	<u>111</u>	PSI	(depth)	<u>—</u>		
(G) Final Shut-in Pressure	<u>749</u>	<u>788</u>	PSI	Initial Opening	<u>5</u>	Test	<u>700</u>
(H) Final Hydrostatic Mud	<u>2053</u>	<u>2058</u>	PSI	Initial Shut-in	<u>45</u>	Jars	<u>—</u>

AK-1 Mech. Alp Elec.

Final Flow 60 Safety Joint X 50  
Final Shut-in 90 Straddle —  
on loc. 0200 Circ. Sub X N/C  
off loc. Sampler —  
Extra Packer —  
Elect. Rec. X 150  
Other —

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 St Os

TRILOBITE TESTING L.L.C.

OPERATOR : Dunne Oil Company

DATE 1-23-98

WELL NAME: Suchy #1-31

KB 2731.00 ft

TICKET NO: 10514

DST #2

LOCATION : 31-18S-27W Lane KS.

GR 2721.00 ft

FORMATION: Middle Creek

INTERVAL : 4300.00 To 4314.00 ft

TD 4314.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 5 Rec.	13339	13339	3024			PF Fr. 2120 to 2125 hr
SI 45 Range (Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2125 to 2210 hr
SF 60 Clock (hrs)	12 HR	12 HR	ALP			SF Fr. 2210 to 2310 hr
FS 60 Depth (ft )	4309.0	4309.0	4302.0	0.0	0.0	FS Fr. 2310 to 2410 hr

	Field	1	2	3	4	
A. Init Hydro	2113.0	2140.0	2095.0	0.0	0.0	T STARTED 1935 hr
B. First Flow	10.0	27.0	11.0	0.0	0.0	T ON BOTM 2118 hr
B1. Final Flow	10.0	27.0	11.0	0.0	0.0	T OPEN 2120 hr
C. In Shut-in	20.0	28.0	15.0	0.0	0.0	T PULLED 0010 hr
D. Init Flow	10.0	27.0	11.0	0.0	0.0	T OUT 0200 hr
E. Final Flow	10.0	27.0	14.0	0.0	0.0	
F. Fl Shut-in	41.0	36.0	58.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2073.0	2051.0	2081.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 66000.00 lbs
						Unseated Str Wt 66000.00 lbs
						Bot Choke 0.76 in
						Hole Size 0.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4292.00 ft

RECOVERY

Tot Fluid	1.00 ft of	0.00 ft in DC and	1.00 ft in DP
1.00	ft of Drillin 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		

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

BLOW DESCRIPTION

Initial Flow:  
Weak Surface blow built to 1/2"  
Final Flow:  
No return blow

SAMPLES:  
SENT TO:

MUD DATA-----	
Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	44.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop N	
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	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N.	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Suchy #1-31

LOCATION : 31-18S-27W Lane KS.

TICKET No. 10514 D.S.T. No. 2 DATE 1-23-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 22

INTERVAL TOOL ..... 14

TOTAL TOOL TO BOTTOM OF TOP PACKERS AND ANCHOR .....

TOTAL TOOL ..... 36

DRILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STANDS Single Total

P. ANCHOR STANDS Single Total

TOTAL ASSEMBLY ..... 36

C. ABOVE TOOLS STANDS Single Total

P. ABOVE TOOLS STANDS 68 Single 1 Total 4292

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4328

TOTAL DEPTH ..... 4314

TOTAL DRILL PIPE ABOVE K.B. .... 14

REMARKS:

P.O. SUB 1' Above 120' DP	4158
C.O. SUB 1'	4278
S.I. TOOL 5'	4284
HMV 5'	4289
JARS	
SAFETY JOINT 2'	4291
PACKER 4'	4295
PACKER 5'	4300
DEPTH	
STUBB 1'	4301
ANCHOR	
ALP Rec. @	4302
8' Perf.	4309
T.C. DEPTH	
AK-1 Rec. @	4309
BULLNOSE 5'	
T.D.	4314

10514 DST #2 Suchy #1-31 Dunne Oil Company

# TEST HISTORY

Flag Points

t(Min.)	P(PSig)
R: 0.00	2095.13
B: 0.00	11.00
C: 6.00	11.60
D: 46.00	15.34
E: 0.00	11.66
F: 61.00	14.96
G: 58.00	58.18
Q: 0.00	2081.88

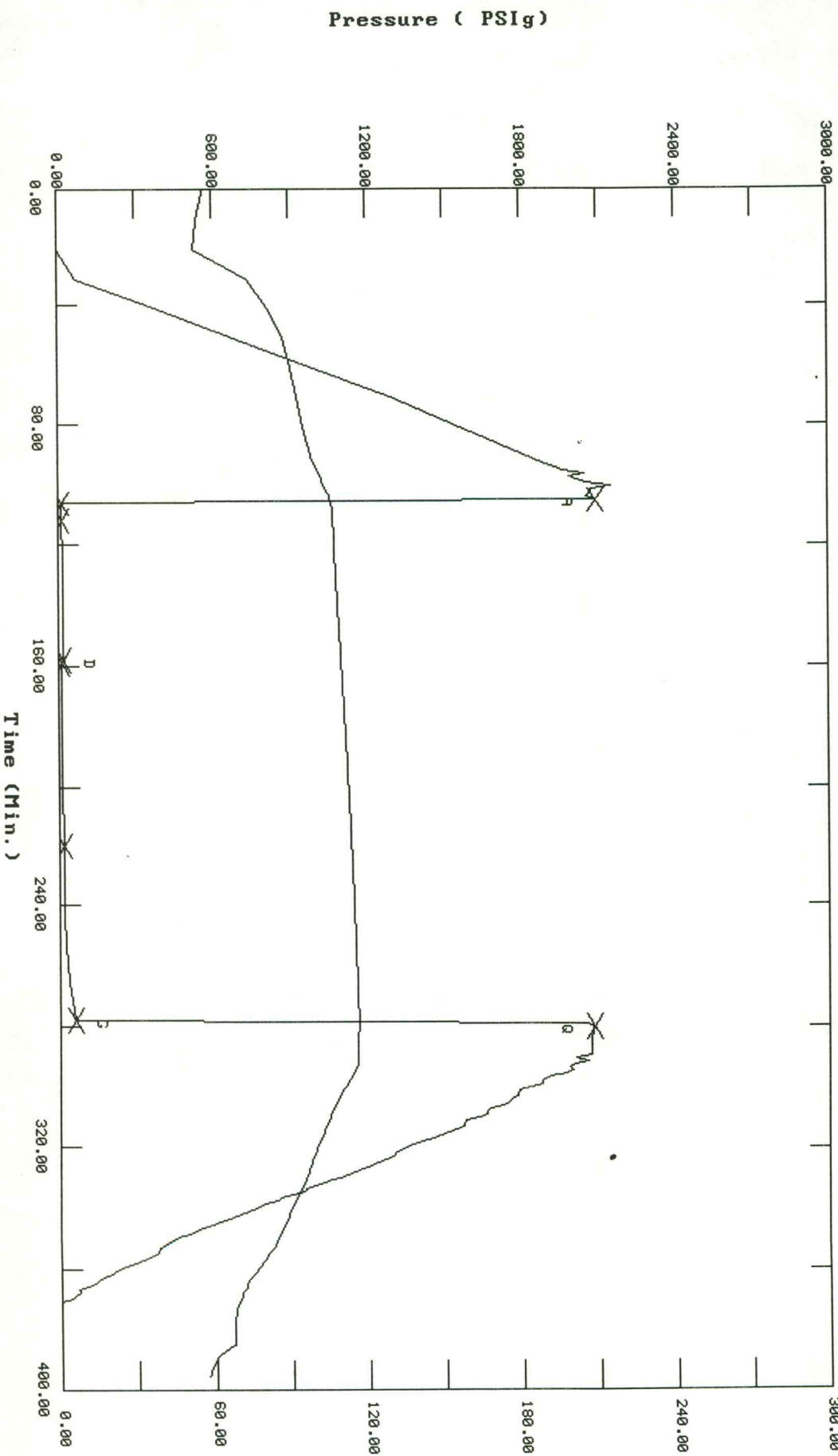
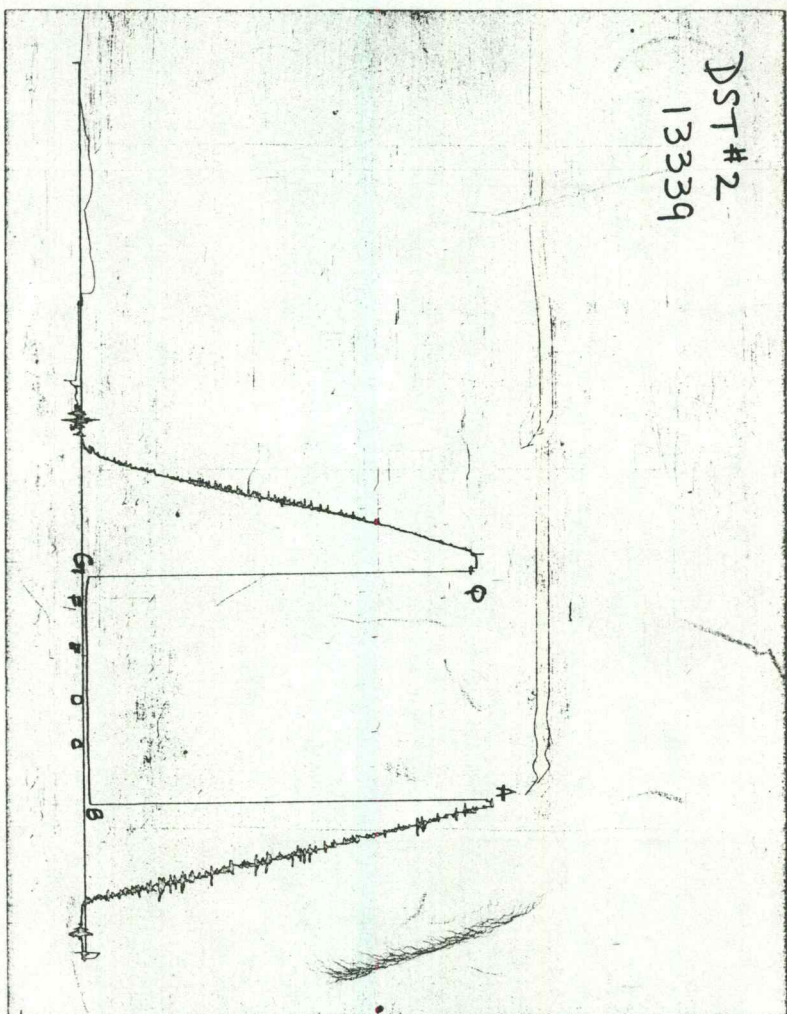


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10514 DST #2 Suchy #1-31 Dunne Oil Company

DATE: 01/23/98 TIME: 19:35:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	105.00	2095.1	0.0	105.46		
***** Start Flow 1	0.00	11.0	0.0	105.91		
	1.00	11.3	0.3	106.20		
	2.00	11.4	0.4	106.40		
	3.00	11.4	0.4	106.56		
	4.00	11.5	0.5	106.69		
	5.00	11.6	0.6	106.78		
***** End Flow 1	6.00	11.6	0.6	106.86		
***** Start Shutin 1	0.00	11.6	0.0	106.86	0.0000	0.000
	1.00	11.1	-0.5	106.93	7.0000	0.000
	2.00	11.3	-0.3	106.98	4.0000	0.000
	3.00	11.6	0.0	107.03	3.0000	0.000
	4.00	11.9	0.3	107.08	2.5000	0.000
	5.00	12.2	0.6	107.12	2.2000	0.000
	6.00	12.5	0.9	107.17	2.0000	0.000
	7.00	12.8	1.2	107.21	1.8571	0.000
	8.00	13.0	1.4	107.26	1.7500	0.000
	9.00	13.3	1.7	107.31	1.6667	0.000
	10.00	13.6	2.0	107.35	1.6000	0.000
	11.00	13.9	2.3	107.41	1.5455	0.000
	12.00	14.2	2.6	107.46	1.5000	0.000
	13.00	14.5	2.9	107.52	1.4615	0.000
	14.00	14.8	3.2	107.58	1.4286	0.000
	15.00	15.1	3.5	107.65	1.4000	0.000
	16.00	15.3	3.7	107.70	1.3750	0.000
	17.00	15.3	3.7	107.76	1.3529	0.000
	18.00	15.4	3.8	107.82	1.3333	0.000
	19.00	15.4	3.8	107.88	1.3158	0.000
	20.00	15.5	3.9	107.95	1.3000	0.000
	21.00	15.5	3.9	108.01	1.2857	0.000
	22.00	15.6	4.0	108.07	1.2727	0.000
	23.00	15.6	4.0	108.15	1.2609	0.000
	24.00	15.6	4.0	108.21	1.2500	0.000
	25.00	15.6	4.0	108.28	1.2400	0.000
	26.00	15.7	4.1	108.35	1.2308	0.000
	27.00	15.7	4.1	108.43	1.2222	0.000
	28.00	15.7	4.1	108.49	1.2143	0.000
	29.00	15.7	4.1	108.56	1.2069	0.000
	30.00	15.7	4.1	108.63	1.2000	0.000
	31.00	15.7	4.1	108.70	1.1935	0.000
	32.00	15.6	4.0	108.77	1.1875	0.000
	33.00	15.6	4.0	108.84	1.1818	0.000
	34.00	15.5	3.9	108.91	1.1765	0.000
	35.00	15.5	3.9	108.99	1.1714	0.000
	36.00	15.4	3.8	109.06	1.1667	0.000
	37.00	15.4	3.8	109.13	1.1622	0.000
	38.00	15.4	3.8	109.21	1.1579	0.000
	39.00	15.5	3.9	109.28	1.1538	0.000
	40.00	15.5	3.9	109.34	1.1500	0.000
	41.00	15.6	4.0	109.41	1.1463	0.000
	42.00	15.6	4.0	109.49	1.1429	0.000

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10514 DST #2 Suchy #1-31 Dunne Oil Company

DATE: 01/23/98

TIME: 19:35:42

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	43.00	15.6	4.0	109.56	1.1395	0.000
	44.00	15.6	4.0	109.63	1.1364	0.000
	45.00	15.6	4.0	109.70	1.1333	0.000
***** End Shut-in 1	46.00	15.3	3.7	109.78	1.1304	0.000
***** Start Flow 2	0.00	11.7	0.0	109.84		
	1.00	11.7	0.0	109.93		
	2.00	11.7	0.0	109.98		
	3.00	11.7	0.0	110.06		
	4.00	11.7	0.0	110.13		
	5.00	11.7	0.0	110.20		
	6.00	11.7	0.1	110.27		
	7.00	11.7	0.1	110.33		
	8.00	11.7	0.1	110.40		
	9.00	11.7	0.1	110.49		
	10.00	11.7	0.1	110.54		
	11.00	11.7	0.1	110.61		
	12.00	11.8	0.1	110.67		
	13.00	11.8	0.1	110.73		
	14.00	11.8	0.1	110.80		
	15.00	11.8	0.2	110.86		
	16.00	11.8	0.2	110.94		
	17.00	11.8	0.2	111.00		
	18.00	11.8	0.2	111.06		
	19.00	11.8	0.2	111.13		
	20.00	11.9	0.2	111.19		
	21.00	11.9	0.2	111.25		
	22.00	11.9	0.2	111.32		
	23.00	11.9	0.2	111.38		
	24.00	11.9	0.3	111.44		
	25.00	11.9	0.3	111.51		
	26.00	11.9	0.3	111.57		
	27.00	12.0	0.3	111.64		
	28.00	12.0	0.4	111.70		
	29.00	12.0	0.4	111.76		
	30.00	11.9	0.3	111.83		
	31.00	11.9	0.3	111.88		
	32.00	11.9	0.3	111.94		
	33.00	11.9	0.3	112.00		
	34.00	11.9	0.3	112.06		
	35.00	11.9	0.3	112.12		
	36.00	11.9	0.3	112.18		
	37.00	11.9	0.3	112.23		
	38.00	12.0	0.3	112.30		
	39.00	12.0	0.3	112.36		
	40.00	12.0	0.4	112.40		
	41.00	12.0	0.4	112.47		
	42.00	12.1	0.4	112.53		
	43.00	12.1	0.4	112.58		
	44.00	12.1	0.4	112.64		
	45.00	12.1	0.5	112.69		
	46.00	12.2	0.5	112.76		

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10514 DST #2 Suchy #1-31 Dunne Oil Company

DATE: 01/23/98

TIME: 19:35:42  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	47.00	12.2	0.5	112.81		
	48.00	12.2	0.6	112.86		
	49.00	12.2	0.6	112.92		
	50.00	12.3	0.6	112.97		
	51.00	14.8	3.1	113.02		
	52.00	14.8	3.2	113.08		
	53.00	14.9	3.2	113.14		
	54.00	14.9	3.2	113.19		
	55.00	14.9	3.2	113.25		
	56.00	14.9	3.3	113.29		
	57.00	15.0	3.3	113.35		
	58.00	15.0	3.4	113.39		
	59.00	14.4	2.7	113.44		
	60.00	14.7	3.0	113.49		
***** End Flow 2	61.00	15.0	3.3	113.56		
***** Start Shutin 2	0.00	15.0	0.0	113.56	0.0000	0.000
	1.00	15.2	0.3	113.61	68.0000	0.000
	2.00	15.5	0.6	113.66	34.5000	0.000
	3.00	15.9	0.9	113.71	23.3333	0.000
	4.00	16.2	1.2	113.75	17.7500	0.000
	5.00	16.3	1.4	113.81	14.4000	0.000
	6.00	16.4	1.5	113.86	12.1667	0.000
	7.00	16.5	1.6	113.90	10.5714	0.000
	8.00	16.6	1.7	113.96	9.3750	0.000
	9.00	16.7	1.7	114.01	8.4444	0.000
	10.00	16.7	1.7	114.05	7.7000	0.000
	11.00	16.7	1.8	114.11	7.0909	0.000
	12.00	16.7	1.8	114.15	6.5833	0.000
	13.00	16.7	1.8	114.19	6.1538	0.000
	14.00	16.7	1.8	114.25	5.7857	0.000
	15.00	16.7	1.8	114.29	5.4667	0.000
	16.00	16.7	1.8	114.33	5.1875	0.000
	17.00	16.7	1.8	114.38	4.9412	0.000
	18.00	16.7	1.8	114.43	4.7222	0.000
	19.00	16.7	1.8	114.48	4.5263	0.000
	20.00	16.7	1.8	114.53	4.3500	0.000
	21.00	16.7	1.8	114.57	4.1905	0.000
	22.00	16.7	1.7	114.63	4.0455	0.000
	23.00	16.7	1.7	114.67	3.9130	0.000
	24.00	16.7	1.8	114.70	3.7917	0.000
	25.00	16.9	1.9	114.76	3.6800	0.000
	26.00	17.4	2.4	114.79	3.5769	0.000
	27.00	17.8	2.8	114.84	3.4815	0.000
	28.00	18.4	3.4	114.88	3.3929	0.000
	29.00	19.0	4.0	114.94	3.3103	0.000
	30.00	19.6	4.7	114.98	3.2333	0.000
	31.00	20.3	5.3	115.03	3.1613	0.000
	32.00	21.0	6.0	115.07	3.0938	0.000
	33.00	21.8	6.8	115.11	3.0303	0.000
	34.00	22.5	7.5	115.16	2.9706	0.001
	35.00	23.3	8.3	115.20	2.9143	0.001

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10514 DST #2 Suchy #1-31 Dunne Oil Company

DATE: 01/23/98 TIME: 19:35:42  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	36.00	24.1	9.1	115.24	2.8611	0.001
	37.00	24.9	9.9	115.29	2.8108	0.001
	38.00	25.7	10.8	115.33	2.7632	0.001
	39.00	26.6	11.7	115.37	2.7179	0.001
	40.00	27.5	12.6	115.41	2.6750	0.001
	41.00	28.5	13.6	115.46	2.6341	0.001
	42.00	29.7	14.7	115.50	2.5952	0.001
	43.00	30.8	15.8	115.54	2.5581	0.001
	44.00	32.0	17.0	115.58	2.5227	0.001
	45.00	33.3	18.3	115.63	2.4889	0.001
	46.00	34.7	19.7	115.67	2.4565	0.001
	47.00	36.2	21.2	115.70	2.4255	0.001
	48.00	37.7	22.7	115.74	2.3958	0.001
	49.00	39.3	24.3	115.79	2.3673	0.002
	50.00	41.0	26.1	115.83	2.3400	0.002
	51.00	42.9	27.9	115.87	2.3137	0.002
	52.00	44.8	29.9	115.91	2.2885	0.002
	53.00	46.9	31.9	115.94	2.2642	0.002
	54.00	49.1	34.2	115.99	2.2407	0.002
	55.00	51.6	36.7	116.03	2.2182	0.003
	56.00	54.3	39.4	116.06	2.1964	0.003
	57.00	56.4	41.4	116.11	2.1754	0.003
***** End Shut-in 2	58.00	58.2	43.2	116.15	2.1552	0.003
***** Final Hydro.	280.00	2081.9	0.0	116.12		

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 10514

Well Name & No. <u>Suchy #1-31</u>	Test No. <u>2</u>	Date <u>1-23-98</u>
Company <u>Dunne Oil Company</u>	Zone Tested <u>Middle Creek</u>	
Address <u>100 S. Main Ste. 410 Wichita, KS. 67202</u>		Elevation <u>2731</u> KB <u>2721</u> GL
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Duke #4</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>31</u>	Twp. <u>18<sup>s</sup></u>	Rge. <u>27<sup>w</sup></u> Co. <u>Lane</u> State <u>KS</u>
No. of Copies <u>    </u>	Distribution Sheet (Y, N) <u>    </u>	Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>4300 - 4314</u>	Initial Str Wt./Lbs. <u>66,000</u>	Unseated Str Wt./Lbs. <u>66,000</u>
Anchor Length <u>14'</u>	Wt. Set Lbs. <u>30,006</u>	Wt. Pulled Loose/Lbs. <u>70,000</u>
Top Packer Depth <u>4295</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4300</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>4314</u>	Wt. Pipe Run <u>    </u>	Drill Collar Run <u>    </u>
Mud Wt. <u>9.2</u> LCM <u>    </u> Vis. <u>44</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2" KH</u>	Ft. Run <u>4292'</u> (68.1)
Blow Description <u>IF: Weak surface blow built to 1/2".</u>		

FF: No return blow.

Recovery — Total Feet <u>1'</u>	GIP <u>    </u>	Ft. in DC <u>    </u>	Ft. in DP <u>1'</u>
Rec. <u>    </u> Feet Of <u>    </u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>
Rec. <u>1'</u> Feet Of <u>Drlg. Mud</u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>

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

RW      @      °F Chlorides      ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud <u>2113</u>   <u>2095</u> PSI	Recorder No. <u>3024</u>	T-Started <u>1935</u>
(B) First Initial Flow Pressure <u>10</u>   <u>11</u> PSI	(depth) <u>4302</u>	T-Open <u>2120</u>
(C) First Final Flow Pressure <u>10</u>   <u>11</u> PSI	Recorder No. <u>13339</u>	T-Pulled <u>20010</u>
(D) Initial Shut-in Pressure <u>20</u>   <u>15</u> PSI	(depth) <u>4309</u>	T-Out <u>0200</u>
(E) Second Initial Flow Pressure <u>10</u>   <u>11</u> PSI	Recorder No. <u>    </u>	
(F) Second Final Flow Pressure <u>10</u>   <u>14</u> PSI	(depth) <u>    </u>	
(G) Final Shut-in Pressure <u>41</u>   <u>58</u> PSI	Initial Opening <u>5</u>	Test <u>700</u>
(H) Final Hydrostatic Mud <u>2073</u>   <u>2081</u> PSI	Initial Shut-in <u>45</u>	Jars <u>X</u>

AK-1 Mech ALP Elec.

Final Flow <u>60</u>	Safety Joint <u>X</u> <u>50</u>
Final Shut-in <u>60</u>	Straddle <u>    </u>
on loc <u>1800</u>	Circ. Sub <u>X</u> <u>N/C</u>
off loc <u>0300</u>	Sampler <u>    </u>
	Extra Packer <u>    </u>
	Elect. Rec. <u>X</u> <u>150</u>
	Other <u>    </u>

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 St Os

TRILOBITE TESTING L.L.C.

OPERATOR : Dunne Oil Company

DATE 1-24-98

WELL NAME: Suchy #1-31

KB 2731.00 ft

TICKET NO: 10515 DST #3

LOCATION : 31-18S-27W Lane KS.

GR 2721.00 ft

FORMATION: Lans/KC "L"

INTERVAL : 4298.00 To 4336.00 ft

TD 4336.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 5	Rec.	13339	13339	3024			PF Fr. 1225 to 1230 hr
SI 45	Range (Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1230 to 1315 hr
SF 60	Clock (hrs)	12 HR	12 HR	ALP			SF Fr. 1315 to 1415 hr
FS 90	Depth (ft )	4331.0	4331.0	4300.0	0.0	0.0	FS Fr. 1415 to 1545 hr

	Field	1	2	3	4	
A. Init Hydro	2083.0	2103.0	2097.0	0.0	0.0	T STARTED 1038 hr
B. First Flow	41.0	60.0	25.0	0.0	0.0	T ON BOTM 1223 hr
B1. Final Flow	41.0	57.0	52.0	0.0	0.0	T OPEN 1225 hr
C. In Shut-in	467.0	469.0	509.0	0.0	0.0	T PULLED 1545 hr
D. Init Flow	93.0	104.0	58.0	0.0	0.0	T OUT 1800 hr
E. Final Flow	197.0	203.0	234.0	0.0	0.0	
F. Fl Shut-in	467.0	461.0	505.0	0.0	0.0	
G. Final Hydro	2073.0	2067.0	2077.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	74000.00 lbs
Initial Str Wt	66000.00 lbs
Unseated Str Wt	68000.00 lbs
Bot Choke	0.76 in
Hole Size	0.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4292.00 ft

RECOVERY

Tot Fluid 460.00 ft of 0.00 ft in DC and 460.00 ft in DP  
 100.00 ft of Watery Mud 40%wtr 60%mud  
 360.00 ft of Water 100%wtr  
 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 .15 @ 60 deg =  
 SALINITY 60000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	42.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	127.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Flow:  
 Fair to strong blow built to 8"  
 Initial Shut-in:  
 Bled off blow - no return  
 Final Flow:  
 Fair to strong return off bttm in  
 16 mins.  
 Final Shut-in:  
 Bled off blow - no return

SAMPLES:

SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Suchy #1-31

LOCATION : 31-18S-27W Lane KS.

TICKET No. 10515 D.S.T. No. 3 DATE 1-24-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 22

INTERVAL TOOL ..... 38

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL ..... 60

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 60

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands68 Single 1 Total 4292

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4351

TOTAL DEPTH ..... 4336

TOTAL DRILL PIPE ABOVE K.B. .... 15

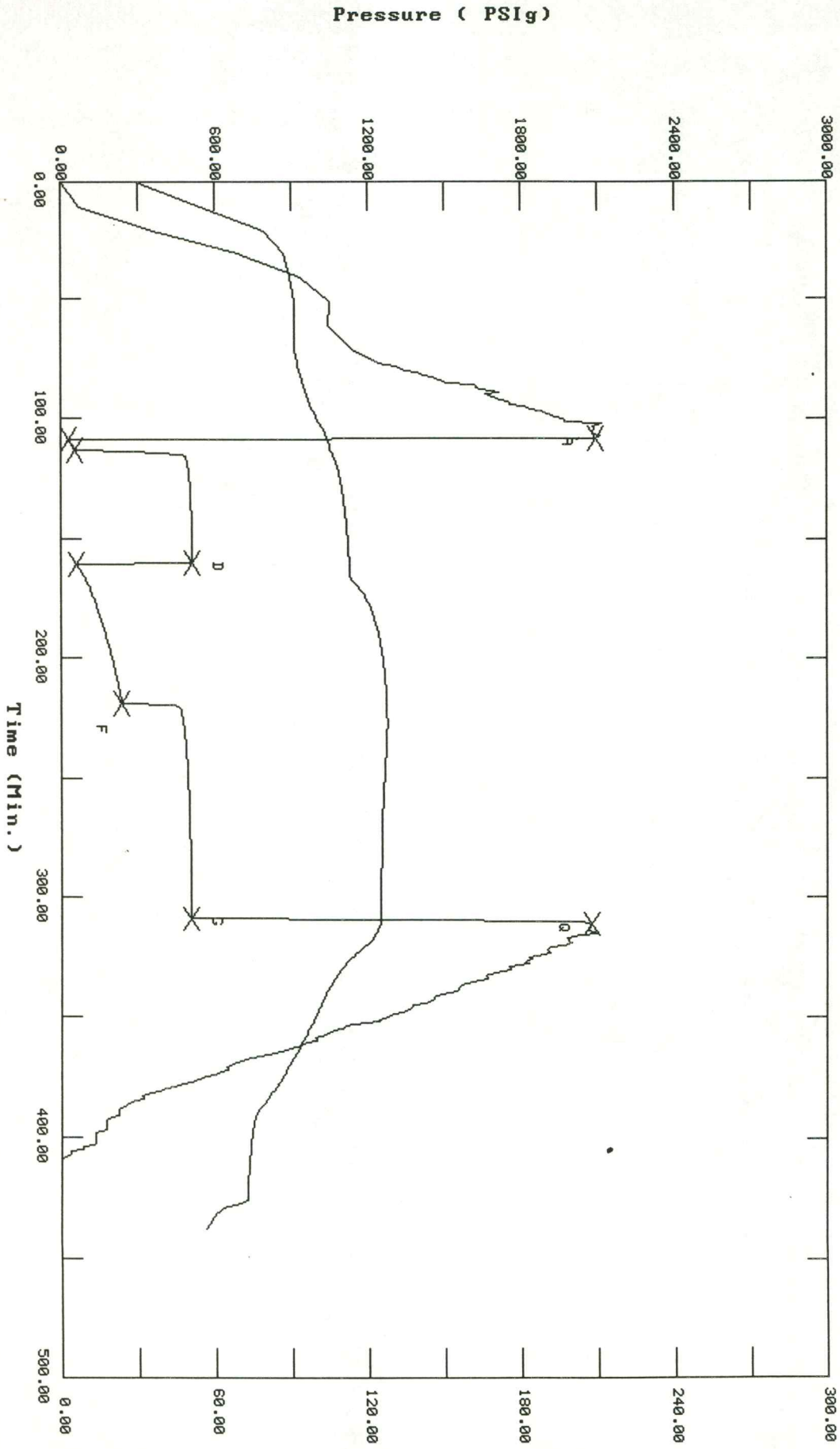
REMARKS:

P.O. SUB 1' Above 120 DP	4156
C.O. SUB 1'	4276
S.I. TOOL 5'	4282
HMV 5'	4287
JARS	
SAFETY JOINT 2'	4289
PACKER 4'	4293
PACKER 5'	4298
DEPTH STUBB 1'	4299
ANCHOR	
ALP Rec. @	4300
32' Perf	4331
T.C. DEPTH	
AK-1 Rec. @	4331
BULLNOSE 5'	
T.D.	4336

# TEST HISTORY

10515 DST #3 Suchy #1-31 Dunne Oil Company

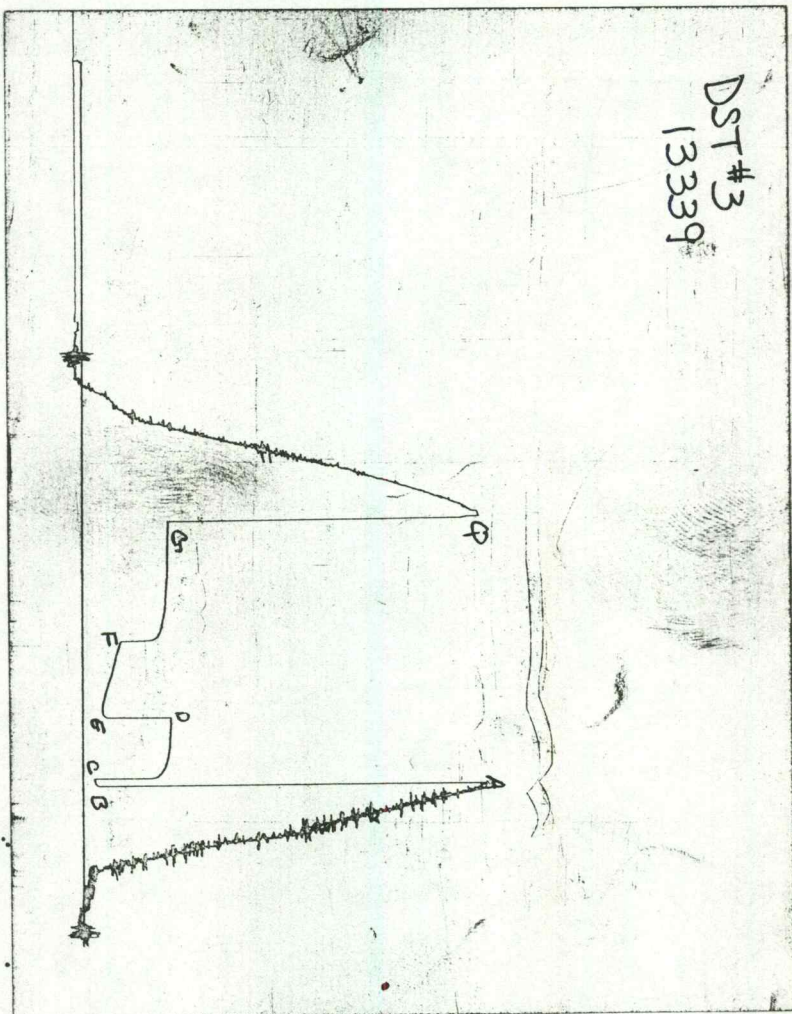
	Flag Points
(Min.)	PK (PSI)
R:	0.00 2097.26
B:	0.00 25.66
C:	4.00 52.09
D:	47.00 509.60
E:	0.00 58.98
F:	58.00 234.34
G:	90.00 505.05
Q:	0.00 2077.73



Temperature (DEG F)

CHART PAGE

DST #3  
13339



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10515 DST #3 Suchy #1-31 Dunne Oil Company

DATE: 01/24/98 TIME: 10:38:23

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	108.00	2097.3	0.0	103.59		
***** Start Flow 1	0.00	25.7	0.0	104.01		
	1.00	33.2	7.6	104.36		
	2.00	40.6	15.0	104.62		
	3.00	46.2	20.5	104.88		
***** End Flow 1	4.00	52.1	26.4	105.16		
***** Start Shutin 1	0.00	52.1	0.0	105.16	0.0000	0.003
	1.00	276.8	224.7	105.49	5.0000	0.077
	2.00	474.7	422.7	105.86	3.0000	0.225
	3.00	481.4	429.3	106.31	2.3333	0.232
	4.00	485.4	433.3	106.74	2.0000	0.236
	5.00	488.3	436.2	107.14	1.8000	0.238
	6.00	490.5	438.4	107.47	1.6667	0.241
	7.00	492.3	440.2	107.76	1.5714	0.242
	8.00	493.9	441.8	108.04	1.5000	0.244
	9.00	495.2	443.1	108.29	1.4444	0.245
	10.00	496.4	444.3	108.53	1.4000	0.246
	11.00	497.4	445.3	108.74	1.3636	0.247
	12.00	498.4	446.3	108.95	1.3333	0.248
	13.00	499.2	447.1	109.13	1.3077	0.249
	14.00	500.0	447.9	109.31	1.2857	0.250
	15.00	500.6	448.5	109.47	1.2667	0.251
	16.00	501.3	449.2	109.63	1.2500	0.251
	17.00	501.8	449.7	109.79	1.2353	0.252
	18.00	502.4	450.3	109.94	1.2222	0.252
	19.00	502.9	450.8	110.09	1.2105	0.253
	20.00	503.3	451.2	110.22	1.2000	0.253
	21.00	503.8	451.7	110.35	1.1905	0.254
	22.00	504.1	452.1	110.48	1.1818	0.254
	23.00	504.5	452.4	110.59	1.1739	0.255
	24.00	504.9	452.8	110.72	1.1667	0.255
	25.00	505.2	453.1	110.84	1.1600	0.255
	26.00	505.6	453.5	110.95	1.1538	0.256
	27.00	505.9	453.8	111.05	1.1481	0.256
	28.00	506.1	454.0	111.16	1.1429	0.256
	29.00	506.4	454.3	111.25	1.1379	0.256
	30.00	506.7	454.6	111.35	1.1333	0.257
	31.00	506.9	454.8	111.44	1.1290	0.257
	32.00	507.1	455.0	111.54	1.1250	0.257
	33.00	507.3	455.2	111.62	1.1212	0.257
	34.00	507.6	455.5	111.70	1.1176	0.258
	35.00	507.8	455.7	111.78	1.1143	0.258
	36.00	507.9	455.8	111.86	1.1111	0.258
	37.00	508.1	456.0	111.93	1.1081	0.258
	38.00	508.3	456.2	112.00	1.1053	0.258
	39.00	508.5	456.4	112.07	1.1026	0.259
	40.00	508.6	456.5	112.14	1.1000	0.259
	41.00	508.8	456.7	112.21	1.0976	0.259
	42.00	508.9	456.8	112.28	1.0952	0.259
	43.00	509.0	456.9	112.34	1.0930	0.259
	44.00	509.2	457.1	112.40	1.0909	0.259

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10515 DST #3 Suchy #1-31 Dunne Oil. Company

DATE: 01/24/98

TIME: 10:38:23  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	45.00	509.3	457.2	112.46	1.0889	0.259
	46.00	509.5	457.4	112.52	1.0870	0.260
***** End Shut-in 1	47.00	509.6	457.5	112.57	1.0851	0.260
***** Start Flow 2	0.00	59.0	0.0	112.65		
	1.00	64.8	5.8	112.69		
	2.00	70.0	11.0	112.74		
	3.00	76.1	17.2	112.78		
	4.00	80.7	21.7	112.82		
	5.00	85.0	26.0	112.97		
	6.00	92.4	33.4	113.47		
	7.00	96.6	37.6	114.20		
	8.00	100.8	41.8	115.01		
	9.00	105.3	46.3	115.74		
	10.00	109.1	50.1	116.46		
	11.00	112.8	53.8	117.22		
	12.00	116.3	57.3	117.92		
	13.00	120.1	61.2	118.46		
	14.00	123.5	64.5	118.94		
	15.00	126.8	67.8	119.42		
	16.00	130.0	71.0	119.91		
	17.00	133.7	74.7	120.41		
	18.00	136.9	77.9	120.85		
	19.00	140.1	81.1	121.27		
	20.00	143.0	84.1	121.65		
	21.00	146.0	87.0	121.98		
	22.00	149.4	90.4	122.29		
	23.00	152.3	93.3	122.59		
	24.00	155.1	96.1	122.87		
	25.00	157.8	98.8	123.12		
	26.00	160.4	101.5	123.38		
	27.00	163.6	104.6	123.59		
	28.00	166.3	107.3	123.83		
	29.00	169.0	110.0	124.06		
	30.00	171.6	112.6	124.28		
	31.00	174.2	115.2	124.48		
	32.00	177.2	118.2	124.67		
	33.00	179.7	120.7	124.84		
	34.00	182.2	123.2	125.01		
	35.00	184.6	125.6	125.17		
	36.00	187.0	128.0	125.30		
	37.00	189.4	130.4	125.44		
	38.00	192.2	133.2	125.58		
	39.00	194.5	135.5	125.71		
	40.00	196.8	137.8	125.85		
	41.00	199.0	140.0	125.96		
	42.00	201.2	142.2	126.08		
	43.00	203.3	144.3	126.18		
	44.00	205.7	146.8	126.28		
	45.00	208.0	149.0	126.36		
	46.00	210.1	151.1	126.47		
	47.00	212.3	153.3	126.58		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10515 DST #3 Suchy #1-31 Dunne Oil Company

DATE: 01/24/98

TIME: 10:38:23

	Time	Pressure PSIg	delta P PSIg	P	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	48.00	214.3	155.3		126.67		
	49.00	216.3	157.3		126.74		
	50.00	218.3	159.3		126.81		
	51.00	220.7	161.8		126.87		
	52.00	222.7	163.7		126.93		
	53.00	224.6	165.7		126.98		
	54.00	226.6	167.6		127.04		
	55.00	228.5	169.5		127.10		
	56.00	230.4	171.4		127.14		
	57.00	232.3	173.3		127.19		
*****	End Flow 2	58.00	234.3	175.4	127.23		
*****	Start Shutin 2	0.00	234.3	0.0	127.23	0.0000	0.055
	1.00	445.0	210.6		127.27	63.0000	0.198
	2.00	461.1	226.7		127.31	32.0000	0.213
	3.00	464.4	230.1		127.35	21.6667	0.216
	4.00	466.8	232.5		127.38	16.5000	0.218
	5.00	468.8	234.5		127.41	13.4000	0.220
	6.00	470.5	236.2		127.42	11.3333	0.221
	7.00	472.1	237.7		127.43	9.8571	0.223
	8.00	473.5	239.2		127.44	8.7500	0.224
	9.00	474.8	240.5		127.44	7.8889	0.225
	10.00	476.0	241.6		127.43	7.2000	0.227
	11.00	477.1	242.8		127.42	6.6364	0.228
	12.00	478.2	243.8		127.39	6.1667	0.229
	13.00	479.2	244.8		127.37	5.7692	0.230
	14.00	480.1	245.7		127.33	5.4286	0.230
	15.00	481.0	246.6		127.29	5.1333	0.231
	16.00	481.8	247.4		127.24	4.8750	0.232
	17.00	482.6	248.3		127.17	4.6471	0.233
	18.00	483.3	249.0		127.11	4.4444	0.234
	19.00	484.1	249.7		127.05	4.2632	0.234
	20.00	484.7	250.4		126.99	4.1000	0.235
	21.00	485.4	251.1		126.93	3.9524	0.236
	22.00	486.0	251.7		126.86	3.8182	0.236
	23.00	486.7	252.3		126.80	3.6957	0.237
	24.00	487.3	252.9		126.73	3.5833	0.237
	25.00	487.8	253.5		126.67	3.4800	0.238
	26.00	488.3	254.0		126.61	3.3846	0.238
	27.00	488.9	254.5		126.55	3.2963	0.239
	28.00	489.4	255.0		126.49	3.2143	0.240
	29.00	489.9	255.5		126.42	3.1379	0.240
	30.00	490.4	256.0		126.36	3.0667	0.240
	31.00	490.8	256.5		126.31	3.0000	0.241
	32.00	491.3	256.9		126.24	2.9375	0.241
	33.00	491.7	257.4		126.18	2.8788	0.242
	34.00	492.1	257.8		126.13	2.8235	0.242
	35.00	492.5	258.2		126.07	2.7714	0.243
	36.00	492.9	258.6		126.01	2.7222	0.243
	37.00	493.3	259.0		125.96	2.6757	0.243
	38.00	493.7	259.3		125.91	2.6316	0.244
	39.00	494.1	259.7		125.86	2.5897	0.244

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10515 DST #3 Suchy #1-31 Dunne Oil Company

DATE: 01/24/98

TIME: 10:38:23

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
40.00	494.4	260.1	125.80	2.5500	0.244
41.00	494.8	260.4	125.75	2.5122	0.245
42.00	495.1	260.8	125.70	2.4762	0.245
43.00	495.4	261.1	125.66	2.4419	0.245
44.00	495.8	261.4	125.61	2.4091	0.246
45.00	496.1	261.7	125.58	2.3778	0.246
46.00	496.4	262.0	125.54	2.3478	0.246
47.00	496.7	262.3	125.50	2.3191	0.247
48.00	497.0	262.6	125.48	2.2917	0.247
49.00	497.3	262.9	125.44	2.2653	0.247
50.00	497.5	263.2	125.41	2.2400	0.248
51.00	497.8	263.5	125.39	2.2157	0.248
52.00	498.1	263.7	125.36	2.1923	0.248
53.00	498.3	264.0	125.33	2.1698	0.248
54.00	498.6	264.2	125.32	2.1481	0.249
55.00	498.8	264.5	125.28	2.1273	0.249
56.00	499.1	264.7	125.26	2.1071	0.249
57.00	499.3	265.0	125.23	2.0877	0.249
58.00	499.5	265.2	125.21	2.0690	0.250
59.00	499.8	265.4	125.18	2.0508	0.250
60.00	500.0	265.6	125.15	2.0333	0.250
61.00	500.2	265.9	125.13	2.0164	0.250
62.00	500.4	266.1	125.11	2.0000	0.250
63.00	500.6	266.3	125.10	1.9841	0.251
64.00	500.8	266.5	125.08	1.9688	0.251
65.00	501.0	266.7	125.07	1.9538	0.251
66.00	501.2	266.9	125.06	1.9394	0.251
67.00	501.4	267.1	125.04	1.9254	0.251
68.00	501.6	267.3	125.03	1.9118	0.252
69.00	501.8	267.5	125.03	1.8986	0.252
70.00	502.0	267.7	125.01	1.8857	0.252
71.00	502.2	267.8	125.00	1.8732	0.252
72.00	502.4	268.0	124.99	1.8611	0.252
73.00	502.5	268.2	124.97	1.8493	0.253
74.00	502.7	268.3	124.97	1.8378	0.253
75.00	502.8	268.5	124.95	1.8267	0.253
76.00	503.0	268.7	124.94	1.8158	0.253
77.00	503.2	268.8	124.93	1.8052	0.253
78.00	503.3	269.0	124.91	1.7949	0.253
79.00	503.5	269.2	124.90	1.7848	0.254
80.00	503.6	269.3	124.88	1.7750	0.254
81.00	503.8	269.4	124.86	1.7654	0.254
82.00	503.9	269.6	124.85	1.7561	0.254
83.00	504.1	269.7	124.83	1.7470	0.254
84.00	504.2	269.9	124.80	1.7381	0.254
85.00	504.4	270.0	124.79	1.7294	0.254
86.00	504.5	270.2	124.78	1.7209	0.255
87.00	504.7	270.3	124.77	1.7126	0.255
88.00	504.8	270.4	124.75	1.7045	0.255
89.00	504.9	270.6	124.73	1.6966	0.255
90.00	505.1	270.7	124.71	1.6889	0.255

\*\*\*\*\* End Shut-in 2

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ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10515 DST #3 Suchy #1-31 Dunne Oil Company

DATE: 01/24/98 TIME: 10:38:23  
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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Final Hydro.	311.00	2077.7	0.0	124.50		

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 10515

Well Name & No. Suchy #1-31 Test No. 3 Date 1-24-98  
Company Dunne Oil Company Zone Tested Lans/KC 'L'  
Address 1005 Main Ste 410 Wichita, KS 67202 Elevation 2731 KB 2721 GL  
Co. Rep / Geo. Steve Davis Cont. Duke #4 Est. Ft. of Pay      Por.      %  
Location: Sec. 31 Twp. 18<sup>S</sup> Rge. 27<sup>W</sup> Co. Lane State KS  
No. of Copies      Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)     

Interval Tested 4298 - 4336 Initial Str Wt./Lbs. 66,000 Unseated Str Wt./Lbs. 68,000  
Anchor Length 38' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 74,000  
Top Packer Depth 4293 Tool Weight 1,800  
Bottom Packer Depth 4298 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
Total Depth 4336 Wt. Pipe Run      Drill Collar Run       
Mud Wt. 9.1 LCM      Vis. 42 WL 8.0 Drill Pipe Size 4 1/2" XH Ft. Run 4292' (68.1)  
Blow Description IF: Fair to strong blow of built to 8"  
ISI: Bled off blow - no return.  
FF: Fair to strong return off bttm in 16 mins.  
FSI: Bled off blow - no return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>100'</u> Feet Of <u>Watery Mud</u>	<u>    </u>	<u>    </u>	<u>460'</u>	<u>    </u>	<u>    </u>	<u>40</u>	<u>60</u>
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
Rec. <u>360'</u> Feet Of <u>Water</u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>100</u>	<u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>

BHT 127° °F Gravity      °API D@      °F Corrected Gravity      °API

RW .15 @ 60° °F Chlorides 60,000 ppm Recovery Chlorides 2,100 ppm System

(A) Initial Hydrostatic Mud	<u>2083</u>   <u>2097</u> PSI	Recorder No. <u>3024</u>	T-Started <u>1038</u>
(B) First Initial Flow Pressure	<u>41</u>   <u>25</u> PSI	(depth) <u>4300</u>	T-Open <u>1225</u>
(C) First Final Flow Pressure	<u>41</u>   <u>52</u> PSI	Recorder No. <u>13339</u>	T-Pulled <u>1545</u>
(D) Initial Shut-in Pressure	<u>467</u>   <u>509</u> PSI	(depth) <u>4331</u>	T-Out <u>1800</u>
(E) Second Initial Flow Pressure	<u>93</u>   <u>58</u> PSI	Recorder No. <u>    </u>	<u>    </u>
(F) Second Final Flow Pressure	<u>197</u>   <u>234</u> PSI	(depth) <u>    </u>	<u>    </u>
(G) Final Shut-in Pressure	<u>467</u>   <u>505</u> PSI	Initial Opening <u>5</u>	Test <u>700</u>
(H) Final Hydrostatic Mud	<u>2073</u>   <u>2077</u> PSI	Initial Shut-in <u>45</u>	Jars <u>    </u>

AK-1 Mech ALP Elec. Final Flow 60 Safety Joint X 50

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Final Shut-in 90 Straddle       
on loc. 1015 Circ. Sub X N/C  
off loc. 1845 Sampler       
Extra Packer       
Elect. Rec. X 150  
Other     

Approved By