

C W Trainer

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RECEIVED

JAN 9 1993

January 1, 1993

Michael E. Stogner  
Oil Conservation Division  
Box 2088  
Santa Fe, NM 87504 2088

Re: Case 10617 - Well progress report

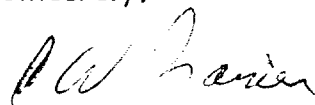
Enclosed are our daily reports and some bottom hole pressure data to bring you up to date on our progress.

The decline is disturbing and we plan to make a regular 4 point test and some additional drawdown and build up tests next. Our frac expert thinks we may have a chance to make a commercial well but he wants the additional data before he makes his recommendation.

We filed notices of intent to reenter and recomplete the 3 dry holes located in Unit P Sec 36 - 11S 28E, Unit M Sec 1 12S - 28e and Unit N Sec 6 - 12S 29E. Yesterday we removed the dry hole markers and drilled out the top plugs to 40'. - All three wells done same day - 12 31 92.

We will forward additional information as we obtain it.

Sincerely,



C W Trainer

**C. W. TRAINER  
Daily Report****West White Ranch #1****NE/4 NE/4****Sec. 1-T12S-R28E****Chaves County, New Mexico****Mississippian Re-Completion Attempt**  
\*\*\*\*\***11-21-92**

Road pulling unit to location. Spot unit on location and shut down due to high winds and blowing snow. Will resume operations on Monday 11-23-92.

**11-22-92**

Rig up 55 Well Service pulling unit #63. Tubing pressure—0. Casing pressure—65#. Open up casing to tank and flowed 6 bbls oil to the tank. Nipple up BOP and trip out of hole with tubing. Rig up Wedge Wireline Co. and run guage ring and junk basket to 8150'. Go in hole with CIBP and set at 8100'. Make up Gamma Ray and perforating gun and go in hole with 4" casing gun loaded 2 jsps. Log Gamma Ray strip from 8100' to 7500'. Perforate from 7753'—7770' with 2 jsps. Rig down Wedge Wireline and make up Guiberson Uni-VI packer w/ XL on/off tool w/ 1.81" profile. Packer has knock out plug on bottom. Go in hole with packer and 241 joints, 7682' of 2 7/8" N-80 tubing. Set packer at 7685' in 16,000# compression. Rig up Swab valve and flowline. Drop bar at 7:00 PM. Had slight blow on tubing. Casing holding steadily. Flow on tubing steady. Gas flow rate did not change over next hour. SION.  
Daily Cost—\$7800                      Acc. Cost—\$7800

**11-24-92**

Shut in tubing pressure—110#. Blow well down and go in hole with swab. Go all the way to the seating nipple with swab and did not recover any fluid. Swab line and cups were completely dry and had not been in any fluid. SION.  
Daily Cost—\$800                      Acc. Cost—\$8600

**11-25-92**

Shut in tubing pressure—120#. Open well up and blow down. Test gas and would burn. Make one swab run from seating nipple and recovered no fluid. Nipple down BOP, flange up wellhead and shut well in. Rig Down and release 55 Well Service. Rig up Pro Well Testers and go in hole to mid-perf and shut well in for buildup. Ran electronic Amerada bombs in hole. Will leave in hole until Monday and check surface pressure to determine whether to leave shut in longer.  
Daily Cost—\$1100                      Acc. Cost—\$9700

**11-26-92 & 11-27-92**

Well shut in for buildup.

**11-28-92**

Pull bottom hole pressure bombs out of the hole. Surface pressure was 150# by guage. Leave well shut in. Take bombs in for interpretation.  
Daily Cost—\$1200                      Acc. Cost—\$10,900

**C. W. TRAINER  
Daily Report****West White Ranch #1**

NE/4 NE/4

Sec. 1-T12S-R28E

Chaves County, New Mexico

Mississippian Re-Completion Attempt

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11-29-92 through 12-4-92

Well Shut in for buildup. Plan to re-perforate well and run neutron-GR log prior to perforating. Shut in tubing pressure-160# by guage.

12-5-92

Bottom hole pressure bombs showed 60# shut in pressure on 11-28-92 after 72 hrs. shut in. Will re-log and re-perforate in the AM.

12-6-92

Move in and rig up Wedge Wireline Mast truck and wireline truck. Run in hole through tubing with GR-CNL tool. Tag bottom and start logging. Run GR-CNL log across interval to pick porosity zone. Appears old perforations were approx 20' too deep. Correlate GR-CNL back to old electric open hole log. Go in hole with 1 11/16" strip gun loaded 2 jsf and perforate 7753'-7770' on old open hole log. This correlates to porosity zone on GR-CNL log. Had slight blow on tubing when perforating. No fluid was in hole before or after perforating. Rig down Wedge Wireline and shut well in for buildup.

Daily Cost-----\$4000

Acc. Cost-----\$14,900

12-7-92 Through 12-8-92

Well shut in for buildup.

12-9-92

Check pressure on surface. SITP-650#. Leave well shut in.

12-10-92

Shut in tubing pressure-1000#. Open up and blow down in 20 minutes to 0. Did not unload any fluid and would not sustain any steady flow rates. Shut well back in.

12-11-92

Rig up Katic Services and go in hole with bottom hole pressure bombs. Bombs showed fluid level of approx 7000', with fluid being condensate. Pull bombs out of hole and rig down slick line.

Daily Cost-----\$1400

Acc. Cost-----\$16,300

12-12-92 through 12-15-92

Well shut in. Prepare to acidize perforations.

C. W. TRAINER  
Daily Report

West White Ranch #1

NE/4 NE/4

Sec. 1-T12S-R28E

Chaves County, New Mexico

Mississippian Re-Completion Attempt

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**12-16-92**

Move in and rig up Halliburton & 55 Well Service. Test lines to 8000#. Load casing with 4 bbls and pressure to 1000#. Acidize perforations 7753-70 with 2500 gallons 20% NEFE acid + 1000 SCF/Bbl of N<sub>2</sub>. Load tubing and pressured increased to 6300#. Started pumping into perforations and had break from 6300# down to 3300# at total rate of 3 bpm. Had ball action but did not ball out. Dropped total of 30 RCN ball sealers. Flush with 2% KCL water + 1000 scf/bbl N<sub>2</sub>. ISIP--2956, 5 min--2723, 10 min--2572 and 15 min--2469. Average pressure--2899# at average rate of 3.25 bbl/min. Rig down Halliburton, rig up flow line and choke and start flowing back well. After 1 hour--1900#. Flowed back total of 17 bbls fluid per hr. for 3 hours. Reduced volume to 9 bbls hr. Leave flowing to tanks. Total load to recover --103 bbls. Recovered 59 bbls. 44 bbls load to recover. Flowing tubing pressure was 1000#.

Daily Cost-----\$6800                      Acc. Cost-----\$23,100

**12-17-92**

Well still flowing. Choke partially frozen up. Tubing pressure--1700#. Work choke and thaw out choke. Flow well on 1/2" choke. Made 9 bbls fluid overnight. Well flowing on 250# on 1/2" choke. Estimated Rate--1250 mcf/d. Leave flowing until 1:00 and made 37 bbls acid water. 13 bbls load to recover. Well flowing and making approx 10% condensate. Flow well until no fluid recovered. Shut well in overnight.

Daily Cost-----\$1500                      Acc. Cost-----\$24,600

**12-18-92**

Shut in tubing pressure--1900#. Open up on 1/2" choke and blow down to tanks. Make 4 bbls condensate and no water while blowing down well. Holding 300# on 1/2" choke. Estimated rate--1400 mcf/d. Well not making any water, only condensate. Shut well i n. Will buildup and run 4 point test.

Daily Cost-----\$1000                      Acc. Cost-----\$25,600

**12-19-92**

Well shut in for buildup. Will run 4 point as soon as available.

**12-22-92**

Rig up Keltic Services and install flow tee and choke to flow well. Run in hole with BHP bombs. Surface pressure was 2225#. Go in hole with bombs and hang bombs at mid point at 7760'. Open up well and start flowing well. Initial flow rates of 1.5 mmcf/d through 32/64 choke. Leave well flowing on 32/64 choke to establish stabilized flow rates. Well making condensate and small amount of load water. Flowing tubing pressures dropping to 280#. Leave flowing to tanks.

Daily Cost-----\$1800                      Acc. Cost-----\$27,400

**C. W. TRAINER**  
**Daily Report**

**West White Ranch #1**

**NE/4 NE/4**

**Sec. 1-T12S-R28E**

**Chaves County, New Mexico**

**Mississippian Re-Completion Attempt**

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**12-22-92**

Well still flowing this am with 180# on 32/64 with rate of 750 mcf/d. Well made 22 bbls condensate and 6 bbls load water. At end of day, flowing tubing pressure was 160# on 32/64 choke and rate of 670 mcf/d. Shut well in for buildup. Will check surface recorder on Saturday 12-26-92 to see if buildup is complete before changing bombs. Static BHP before flowing was 2720#.

**Daily Cost-----\$1000**

**Acc. Cost-----\$28,400**

**12-24-92 & 12-25-92**

Shut in for buildup.

**12-26-92**

Shut in tubing pressure was 1500# and was still building according to surface chart recorder. Pull bombs, reset clocks and run back in hole with new charts to complete buildup. Will leave for another 48 hrs shut in.

**Daily Cost-----\$500**

**Acc. Cost-----\$28,900**

**12-27-92**

Well still shut in for buildup.

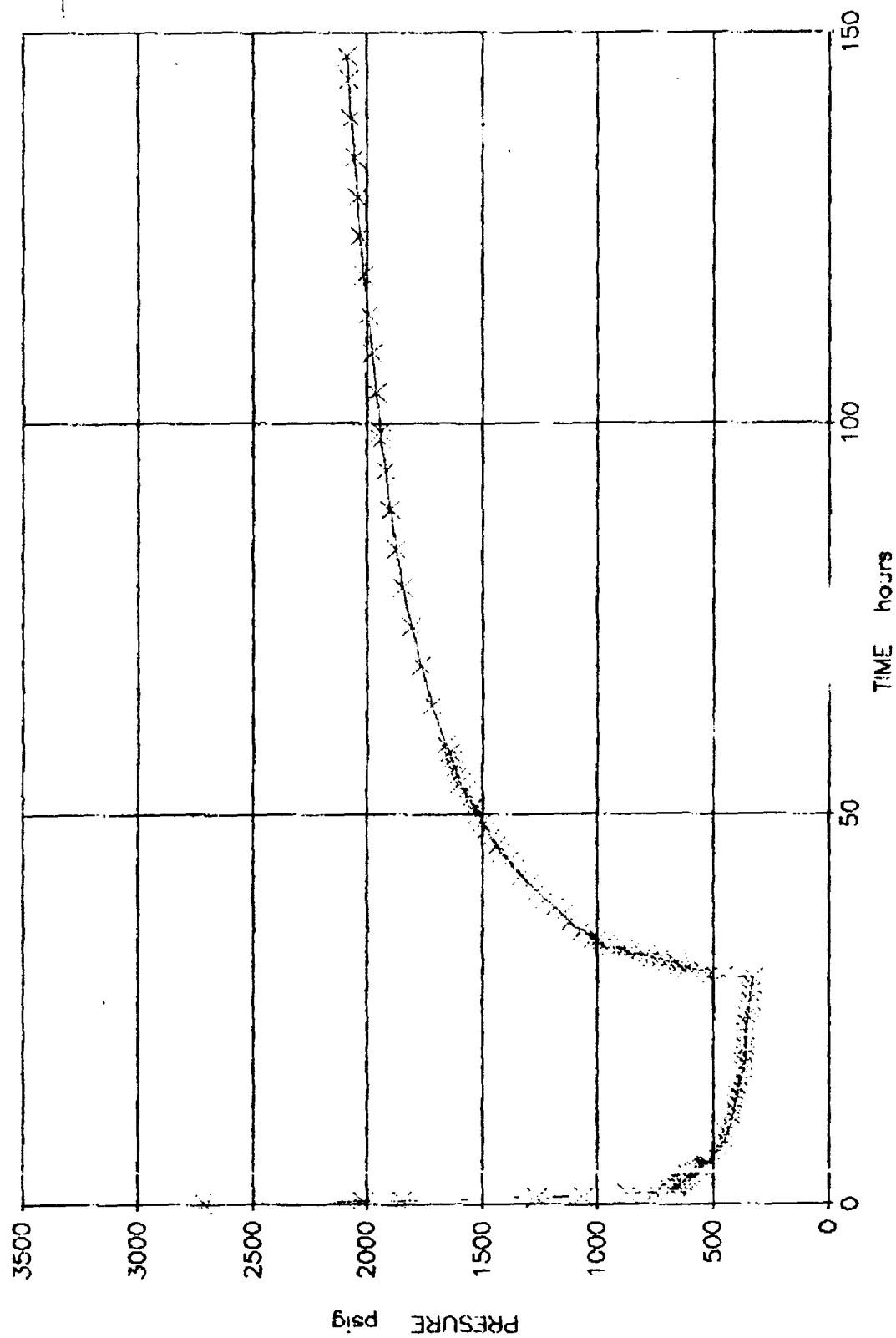
**12-28-92**

Shut in tubing pressure is now at 1600# and according to surface recorder, is still building. Pressure built 10# over last 6 hrs. Pull BHP bombs from well. Leave well shut in and take bombs in to be read. Will have buildup pressures and plot tomorrow. Will send information from bombs as soon as possible and will start frac and stimulation design as soon as BHP buildup and pressures are available.

**Daily Cost-----\$500**

**Acc. Cost-----\$29,400**

C. W. TRAINER  
WEST WHITE RANCH #1  
DEC 22-28, 1992



## KELTIC SERVICES

re: WEST WHITE RANCH #1  
C.W. TRAINER  
Flow test

12/22 SITP 2100 Blew well down to use the Porta Check, fluid in frac tank.  
Could not establish flow the Porta Check, diverted flow through frac tank.  
4:30PM, FTP 290psig, flow rate 1.7mm scf/d, 32/64 choke  
9:00PM, FTP 180psig, flow rate 1.15mm scf/d, 32/64 choke

12/23 7:00AM, FTP 120psig, flow rate 1.15 scf/d, 32/64 choke, fluid made, 9  
bbls water, 11 bbls condensate.  
5:00PM, FTP 95psig, flow rate 750m scf/d, 32/64 choke, fluid 2 bbls water, 4bbls  
condensate. Well shut in.

12/26 SITP 1525psig Pulled pressure bombs and run them back in.

12/28 SITP 1620psig Pulled pressure bombs and rigged down.

**KELTIC SERVICES**

<b>COMPANY</b>	<b>C. W. TRAINER</b>	<b>DATE</b>	<b>22 Dec-92</b>
<b>LEASE</b>	<b>WEST WHITE RANCH</b>	<b>WELL</b>	<b># 1</b>
<b>DEPTH</b>	<b>7761</b>	<b>STP</b>	<b>2091</b>

<b>DEPTH</b>	<b>PRESSURE</b>	<b>GRADIENT</b>
<b>foot</b>	<b>psig</b>	<b>psi/foot</b>
0	2091	
2000	2238	.0735
4000	2400	.081
5000	2481	.081
6000	2560	.079
7000	2644	.084
7500	2682	.076
7761	2702	.0766



## KELTIC SERVICES

COMPANY	C.W. TRAINER	DATE	DEC 22-DEC 26, 1992
LEASE	WEST WHITE RANCH	WELL #	1
DEPTH	7761 feet	SITD	1525 psig

TIME HOURS	PRESSURE PSIG	COMMENTS
0.00	2702.3	STARTED FLOW
0.25	2010.1	
0.50	1943.2	
0.75	1260.8	
1.00	1055.7	
1.25	864.0	
1.50	746.7	
1.75	676.7	
2.00	651.8	
2.25	645.0	
2.50	630.2	
2.75	621.8	
3.00	614.3	
3.25	601.8	
3.50	579.4	
3.75	566.9	
4.00	551.9	
4.25	541.9	
4.50	531.9	
4.75	524.4	
5.00	519.4	
6.00	484.5	
7.00	464.5	
8.00	444.5	
9.00	432.0	
10.00	419.5	
11.00	409.5	
12.00	402.1	
13.00	394.6	
14.00	392.1	
15.00	389.6	
16.00	377.1	
17.00	362.1	
18.00	357.1	
19.00	354.6	
20.00	354.6	
21.00	354.6	
22.00	354.6	
23.00	349.6	
24.00	347.1	
25.00	339.6	

26.00	334.6
27.00	332.1
28.00	327.1
29.00	324.6
29.25	449.5
29.50	499.4
29.75	536.9
30.00	574.4
30.25	606.8
30.50	641.8
30.75	654.3
31.00	696.7
31.25	724.2
31.50	756.7
31.75	789.1
32.00	816.6
32.25	851.6
32.50	879.0
32.75	904.0
33.00	934.0
33.25	958.9
33.50	981.4
33.75	993.9
34.00	1010.1
35.00	1060.8
36.00	1114.0
37.00	1146.9
38.00	1179.8
39.00	1220.3
40.00	1255.8
41.00	1291.2
42.00	1324.1
43.00	1352.0
44.00	1379.9
45.00	1410.2
46.00	1428.0
47.00	1453.3
48.00	1473.5
49.00	1493.8
50.00	1514.0
51.00	1531.8
52.00	1549.5
53.00	1569.8
54.00	1587.5
55.00	1600.1
56.00	1612.8
57.00	1625.5
58.00	1638.1
59.00	1653.3

FTP 95  
SHOT IN

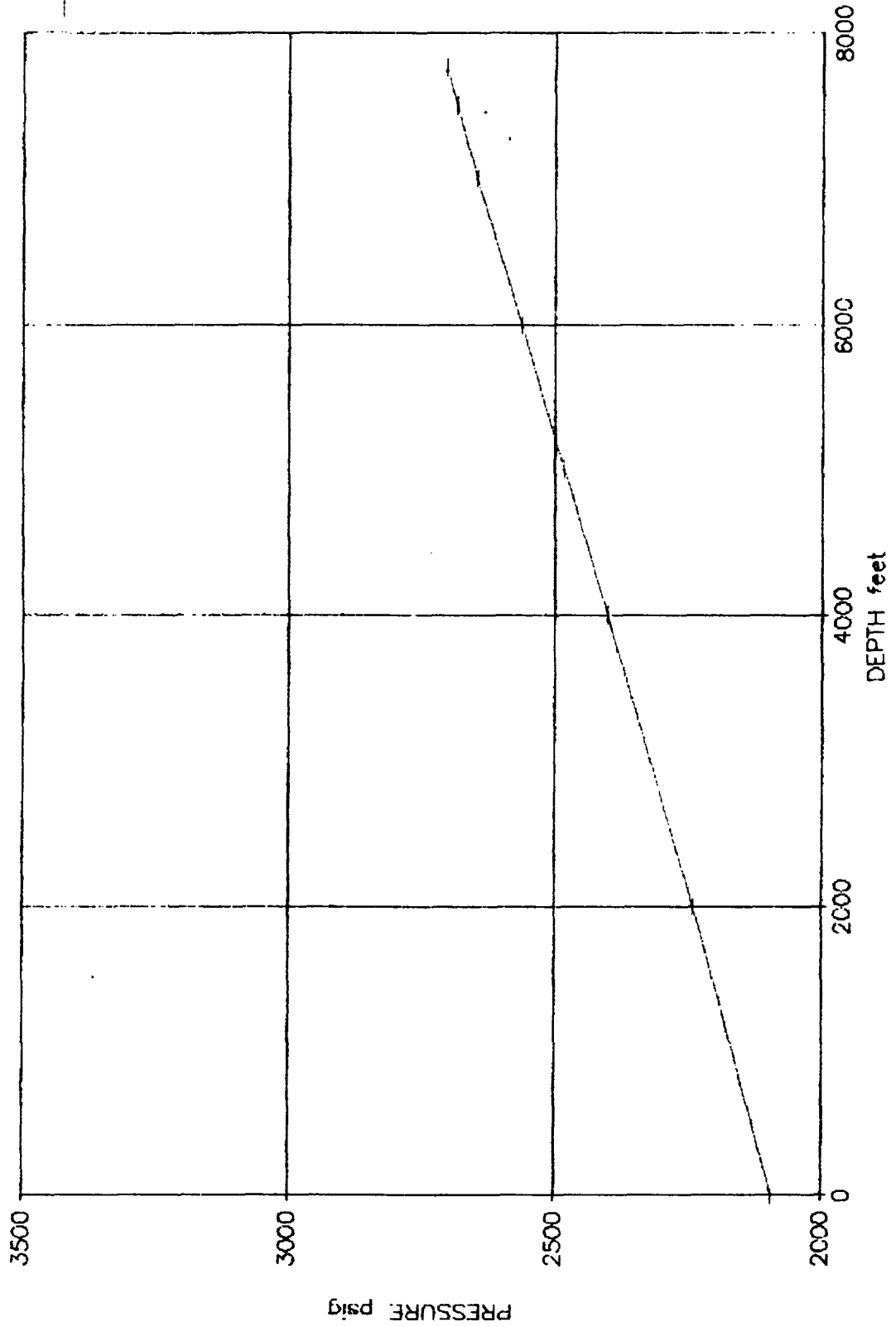
64.00	1711.6
69.00	1759.7
74.00	1800.2
79.00	1838.2
84.00	1868.6
89.00	1893.9
94.00	1916.7
98.00	1934.4
99.00	1936.9
104.00	1957.2
109.00	1974.9
114.00	1992.6
119.00	2010.1
124.00	2027.9
129.00	2040.6
134.00	2050.7
139.00	2065.9
144.00	2076.1
147.00	2083.7

FULL TOOLS  
ON BOTTOM  
WITH 2nd ROW

## WEST WHITE RANCH #1

C.W. TRAINER

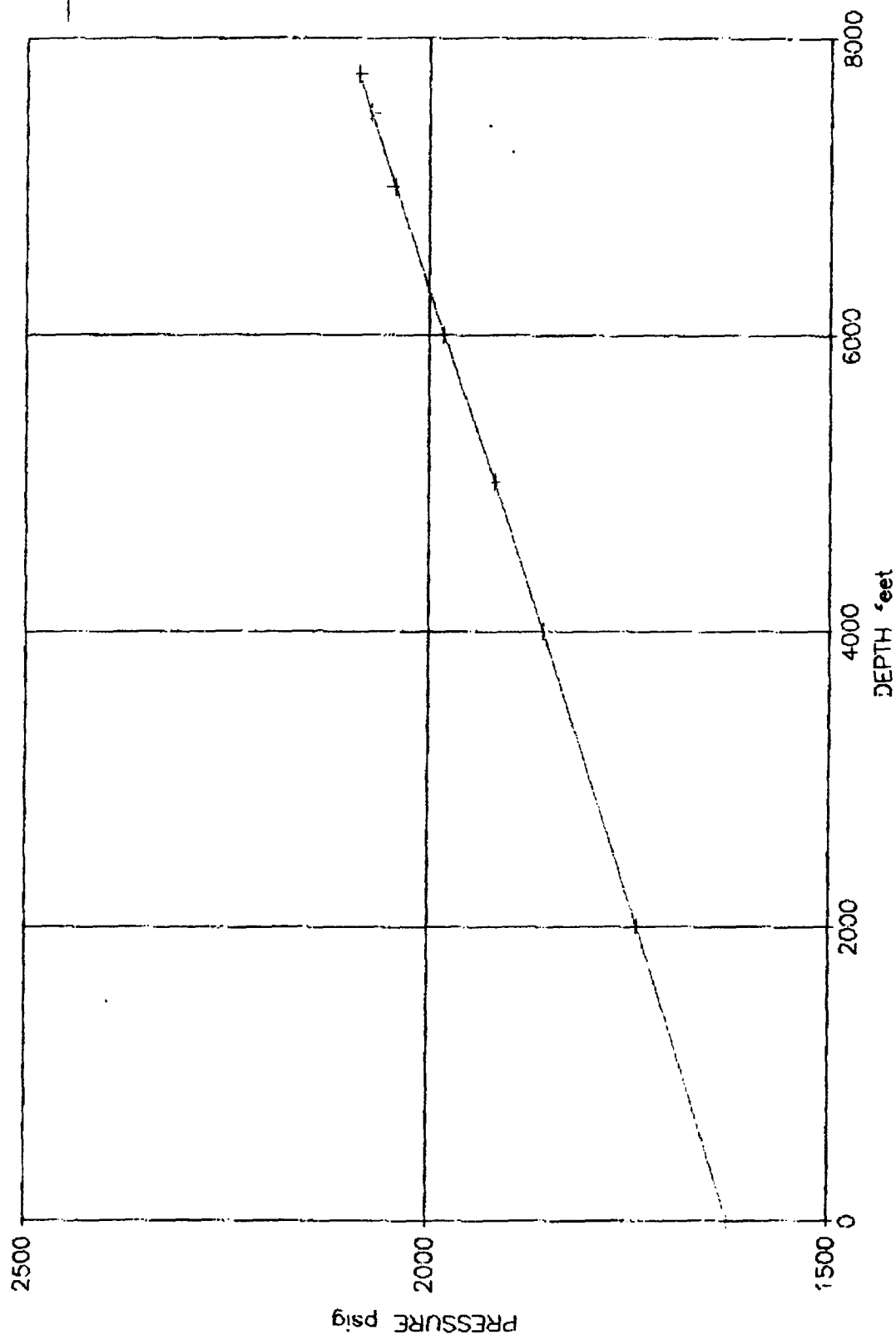
DECEMBER 22, 1992



## WEST WHITE RANCH #1

C.W. TRAINER

DECEMBER 28, 1992



# KELTIC SERVICES

COMPANY	C. W. TRAINER	DATE	28 Dec-92
LEASE	WEST WHITE RANCH	WELL	# 1
DEPTH	7761	SITP	1620

DEPTH	PRESSURE	GRADIENT
foot	psig	psi/foot
0	1620	
2000	1737	.0582
4000	1856	.0595
5000	1917	.0608
6000	1980	.0633
7000	2041	.0606
7500	2071	.0609
7761	2086	.0583