

ORIGINAL

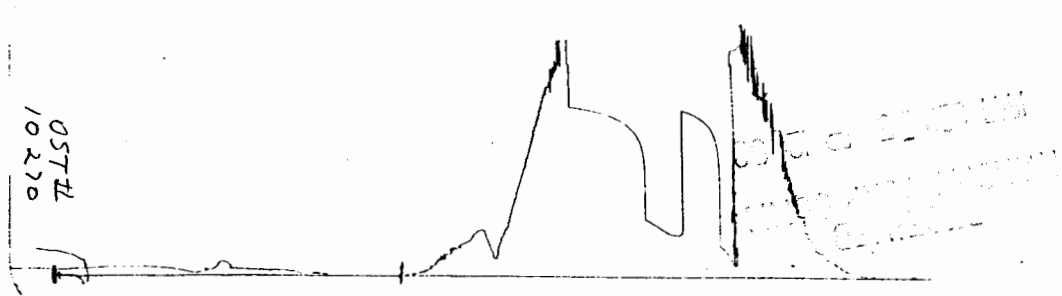
Computer inventoried

35-253-4E

Inside Recorder

7K4 22551

OST#
10270





P.O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

WESTERN TESTING CO., INC. FORMATION TESTING

15-015-23530

TICKET No. 22551

Elevation 1367 KB Formation Arbuckle Eff. Pay — Ft.

District GREAT Bend Date 7-20-97 Customer Order No. —

COMPANY NAME Oxy U.S.A. Inc. ADDRESS 2640 W. Refinery Road Eldorado, Ks 67042 ORIGINAL

WELL NO. Girod 'B' #4 COUNTY BUTLER STATE Ks Sec. 35 Twp. 25 S Rge. 4 E

Oil Invoice To SAME Co. Name Address No. Copies Requested Reg

Oil Charts To SAME Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 2502 ft. to 2510 ft. Total Depth 2510 ft.

Packer Depth 2502 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth — ft. Size — in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set — Recorder Depth (Inside) 2492 ft.

Bottom Recorder Depth (Outside) 2507 ft. Recorder Number 10270 Cap. 4150

Flow Straddle Recorder Depth — Recorder Number 3027 Cap. 4995

Drilling Contractor Summit Delg Drill Collar Length 300 I. D. 2.2 in.

Fluid Type Chemical Viscosity 45 Weight Pipe Length — I. D. — in.

Height 9.1 Water Loss 11 cc. Drill Pipe Length 2175 I. D. 2.8 in.

Surf. Sulfides 2800 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.

Surf. Sulfides: Make WTC Serial Number 422 Anchor Length 8 ft. Size 5 1/2 in.

Surf. Sulfides: Well Flow? — Reversed Out — Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Surf. Sulfides: Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 X H in.

Remarks: IF - WEAK building TO A STRONG Blow in 4 min

Remarks: FF - STRONG Blow throughout

Surf. Sulfides: covered 60 ft. of Muddy WATER

Surf. Sulfides: covered 600 ft. of WATER R+W .27 at 70'

Surf. Sulfides: covered — ft. of

Surf. Sulfides: covered — ft. of

Surf. Sulfides: covered — ft. of

Surf. Sulfides: covered — ft. of

Surf. Sulfides: Sulfides: 13000 P.P.M. Sample Jars used 2 Remarks:

Time On Location 1:30 A.M. Time Pick Up Tool 3:00 P.M. Time Off Location — A.M.

Time Set Packer(s) 5:00 A.M. Time Started Off Bottom 7:15 P.M. Maximum Temperature 108°

Initial Hydrostatic Pressure (A) 1192 P.S.I.

Initial Flow Period (B) 15 Minutes (C) 39 P.S.I. to (D) 193 P.S.I.

Initial Closed In Period (E) 30 Minutes (F) 903 P.S.I.

Final Flow Period (G) 30 Minutes (H) 200 P.S.I. to (I) 329 P.S.I.

Final Closed In Period (J) 60 Minutes (K) 919 P.S.I.

Final Hydrostatic Pressure (L) 1180 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to 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, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 18% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

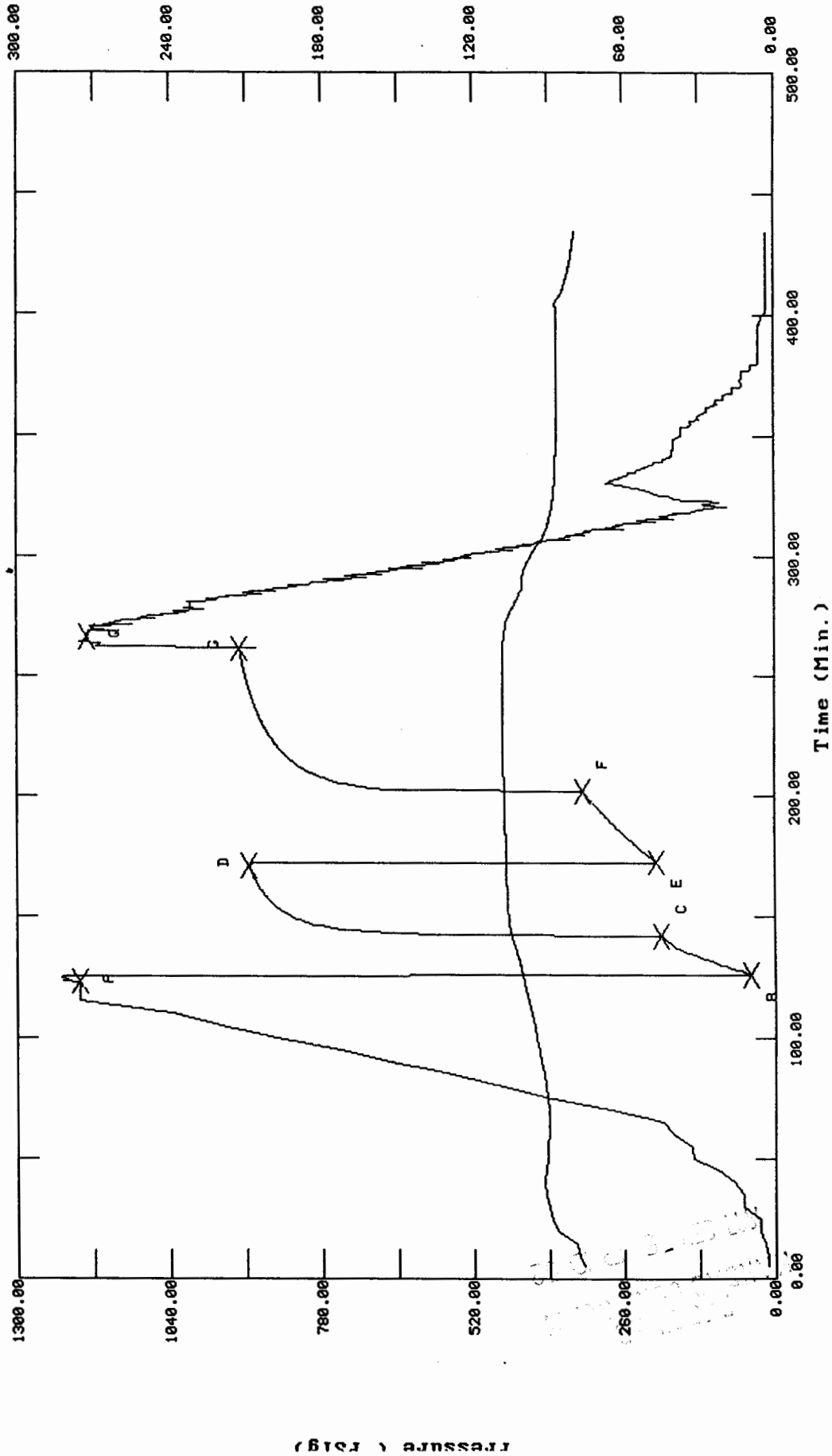
FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test \$600.00, Misrun \$, Straddle Test \$, Jars \$225.00, Selective Zone \$, Safety Joint \$25.00, Standby \$, Shale Packer \$, Extra Packer \$, Circ. Sub. \$, Mileage \$.

TEST HISTORY
 OXY U.S.A. INC. GIROD "B"#4 DST#2 TKT 22551

Flag Points

t (Min.)	P (PSig)
A: 0.00	1192.99
B: 0.00	39.70
C: 16.00	193.89
D: 29.00	905.20
E: 0.00	200.94
F: 29.50	329.87
G: 59.50	920.28
Q: 0.00	1180.17



Temperature (DEG F)

ORIGINAL

96949

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B"#4 DST#2 TKT 22551
DATE: 07/20/97 TIME: 14:55:06

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	51.00	913.2	583.3	107.80	1.8922	0.834
	51.50	913.6	583.7	107.78	1.8835	0.835
	52.00	914.1	584.2	107.78	1.8750	0.836
	52.50	914.5	584.7	107.78	1.8667	0.836
	53.00	915.0	585.1	107.78	1.8585	0.837
	53.50	915.4	585.5	107.78	1.8505	0.838
	54.00	915.8	586.0	107.79	1.8426	0.839
	54.50	916.3	586.4	107.77	1.8349	0.840
	55.00	916.7	586.9	107.77	1.8273	0.840
	55.50	917.2	587.3	107.78	1.8198	0.841
	56.00	917.6	587.7	107.78	1.8125	0.842
	56.50	918.0	588.1	107.76	1.8053	0.843
	57.00	918.3	588.5	107.76	1.7982	0.843
	57.50	918.8	588.9	107.76	1.7913	0.844
	58.00	919.2	589.3	107.76	1.7845	0.845
	58.50	919.5	589.7	107.75	1.7778	0.846
	59.00	919.9	590.0	107.77	1.7712	0.846
***** End Shut-in 2	59.50	920.3	590.4	107.77	1.7647	0.847
***** Final Hydro.	266.00	1180.2	0.0	107.45		

07/20/97 14:55:06
OXY U.S.A. INC.
GIROD "B" #4 DST#2

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B"#4 DST#2 TKT 22551
 DATE: 07/20/97 TIME: 14:55:06

Time	Pressure PSig	delta P PSig	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
25.50	874.8	544.9	107.80	107.80	2.7843	0.765
26.00	876.0	546.1	107.80	107.80	2.7500	0.767
26.50	877.1	547.2	107.81	107.81	2.7170	0.769
27.00	878.2	548.4	107.81	107.81	2.6852	0.771
27.50	879.3	549.5	107.82	107.82	2.6545	0.773
28.00	880.4	550.5	107.81	107.81	2.6250	0.775
28.50	881.5	551.6	107.82	107.82	2.5965	0.777
29.00	882.5	552.6	107.81	107.81	2.5690	0.779
29.50	883.5	553.6	107.81	107.81	2.5424	0.781
30.00	884.5	554.6	107.82	107.82	2.5167	0.782
30.50	885.5	555.6	107.81	107.81	2.4918	0.784
31.00	886.4	556.5	107.82	107.82	2.4677	0.786
31.50	887.3	557.5	107.82	107.82	2.4444	0.787
32.00	888.3	558.4	107.82	107.82	2.4219	0.789
32.50	889.1	559.3	107.82	107.82	2.4000	0.791
33.00	890.0	560.1	107.82	107.82	2.3788	0.792
33.50	890.9	561.0	107.82	107.82	2.3582	0.794
34.00	891.8	561.9	107.82	107.82	2.3382	0.795
34.50	892.6	562.7	107.80	107.80	2.3188	0.797
35.00	893.4	563.5	107.82	107.82	2.3000	0.798
35.50	894.2	564.3	107.82	107.82	2.2817	0.800
36.00	895.0	565.1	107.81	107.81	2.2639	0.801
36.50	895.7	565.8	107.81	107.81	2.2466	0.802
37.00	896.5	566.6	107.81	107.81	2.2297	0.804
37.50	897.2	567.3	107.80	107.80	2.2133	0.805
38.00	898.0	568.1	107.82	107.82	2.1974	0.806
38.50	898.7	568.8	107.80	107.80	2.1818	0.808
39.00	899.3	569.5	107.81	107.81	2.1667	0.809
39.50	900.0	570.2	107.82	107.82	2.1519	0.810
40.00	900.7	570.9	107.82	107.82	2.1375	0.811
40.50	901.4	571.5	107.82	107.82	2.1235	0.813
41.00	902.1	572.2	107.82	107.82	2.1098	0.814
41.50	902.7	572.8	107.79	107.79	2.0964	0.815
42.00	903.3	573.4	107.82	107.82	2.0833	0.816
42.50	903.9	574.1	107.80	107.80	2.0706	0.817
43.00	904.6	574.7	107.80	107.80	2.0581	0.818
43.50	905.2	575.3	107.80	107.80	2.0460	0.819
44.00	905.8	575.9	107.80	107.80	2.0341	0.820
44.50	906.4	576.5	107.81	107.81	2.0225	0.822
45.00	906.9	577.0	107.80	107.80	2.0111	0.822
45.50	907.5	577.6	107.79	107.79	2.0000	0.824
46.00	908.0	578.2	107.79	107.79	1.9891	0.825
46.50	908.6	578.7	107.79	107.79	1.9785	0.826
47.00	909.2	579.3	107.80	107.80	1.9681	0.827
47.50	909.7	579.8	107.80	107.80	1.9579	0.827
48.00	910.2	580.3	107.80	107.80	1.9479	0.828
48.50	910.7	580.8	107.80	107.80	1.9381	0.829
49.00	911.2	581.3	107.79	107.79	1.9286	0.830
49.50	911.7	581.8	107.79	107.79	1.9192	0.831
50.00	912.2	582.3	107.78	107.78	1.9100	0.832
50.50	912.6	582.8	107.79	107.79	1.9010	0.833

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 1000 2000 3000
 4000 5000 6000

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B"#4 DST#2 TKT 22551

DATE: 07/20/97 TIME: 14:55:06

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Start Shutin 2	0.00	329.9	0.0	107.41	0.0000	0.109
	0.50	617.0	287.2	107.42	92.0000	0.381
	1.00	667.6	337.7	107.43	46.5000	0.446
	1.50	694.9	365.1	107.44	31.3333	0.483
	2.00	713.9	384.0	107.45	23.7500	0.510
	2.50	728.3	398.5	107.47	19.2000	0.530
	3.00	740.0	410.1	107.49	16.1667	0.548
	3.50	749.8	419.9	107.51	14.0000	0.562
	4.00	758.2	428.4	107.52	12.3750	0.575
	4.50	765.6	435.8	107.54	11.1111	0.586
	5.00	772.2	442.4	107.54	10.1000	0.596
	5.50	778.2	448.3	107.58	9.2727	0.606
	6.00	783.6	453.8	107.58	8.5833	0.614
	6.50	788.6	458.7	107.62	8.0000	0.622
	7.00	793.3	463.4	107.62	7.5000	0.629
	7.50	797.6	467.8	107.63	7.0667	0.636
	8.00	801.8	471.9	107.63	6.6875	0.643
	8.50	805.6	475.7	107.65	6.3529	0.649
	9.00	809.2	479.4	107.66	6.0556	0.655
	9.50	812.7	482.8	107.66	5.7895	0.660
	10.00	815.9	486.1	107.69	5.5500	0.666
	10.50	819.0	489.2	107.69	5.3333	0.671
	11.00	822.0	492.1	107.69	5.1364	0.676
	11.50	824.8	495.0	107.71	4.9565	0.680
	12.00	827.5	497.7	107.70	4.7917	0.685
	12.50	830.1	500.2	107.73	4.6400	0.689
	13.00	832.6	502.8	107.71	4.5000	0.693
	13.50	835.0	505.1	107.73	4.3704	0.697
	14.00	837.3	507.5	107.73	4.2500	0.701
	14.50	839.5	509.7	107.74	4.1379	0.705
	15.00	841.7	511.8	107.73	4.0333	0.708
	15.50	843.8	513.9	107.75	3.9355	0.712
	16.00	845.8	515.9	107.75	3.8438	0.715
	16.50	847.7	517.9	107.74	3.7576	0.719
	17.00	849.6	519.7	107.76	3.6765	0.722
	17.50	851.5	521.6	107.76	3.6000	0.725
	18.00	853.2	523.4	107.75	3.5278	0.728
	18.50	854.9	525.1	107.77	3.4595	0.731
	19.00	856.6	526.7	107.78	3.3947	0.734
	19.50	858.3	528.4	107.78	3.3333	0.737
	20.00	859.8	529.9	107.78	3.2750	0.739
	20.50	861.4	531.5	107.78	3.2195	0.742
	21.00	862.9	533.0	107.79	3.1667	0.745
	21.50	864.3	534.4	107.78	3.1163	0.747
	22.00	865.7	535.9	107.78	3.0682	0.750
	22.50	867.1	537.3	107.79	3.0222	0.752
	23.00	868.5	538.6	107.80	2.9783	0.754
	23.50	869.8	540.0	107.80	2.9362	0.757
	24.00	871.1	541.2	107.80	2.8958	0.759
	24.50	872.4	542.5	107.80	2.8571	0.761
	25.00	873.6	543.7	107.79	2.8200	0.763

22 07 20 14:55:06
 OXY U.S.A. INC.
 GIROD "B" #4 DST#2
 TKT 22551

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B"#4 DST#2 TKT 22551

DATE: 07/20/97

TIME: 14:55:06

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
4.50	225.2	24.2	106.63		
5.00	227.6	26.6	106.66		
5.50	229.9	29.0	106.70		
6.00	232.3	31.3	106.74		
6.50	234.6	33.6	106.76		
7.00	237.0	36.1	106.78		
7.50	239.8	38.9	106.81		
8.00	242.2	41.2	106.85		
8.50	244.5	43.5	106.85		
9.00	246.8	45.8	106.90		
9.50	249.0	48.0	106.92		
10.00	251.8	50.8	106.92		
10.50	254.0	53.0	106.97		
11.00	256.2	55.2	106.99		
11.50	258.3	57.4	107.00		
12.00	260.4	59.5	107.03		
12.50	262.6	61.6	107.05		
13.00	265.1	64.2	107.07		
13.50	267.3	66.3	107.09		
14.00	269.3	68.4	107.09		
14.50	271.3	70.4	107.10		
15.00	273.3	72.3	107.12		
15.50	275.3	74.3	107.14		
16.00	277.2	76.3	107.16		
16.50	279.7	78.8	107.17		
17.00	281.8	80.8	107.18		
17.50	283.8	82.8	107.21		
18.00	285.8	84.8	107.20		
18.50	287.7	86.8	107.21		
19.00	289.7	88.8	107.23		
19.50	291.8	90.8	107.23		
20.00	294.0	93.1	107.25		
20.50	295.9	95.0	107.26		
21.00	297.8	96.9	107.27		
21.50	299.6	98.7	107.29		
22.00	301.4	100.5	107.30		
22.50	303.2	102.3	107.30		
23.00	305.1	104.1	107.31		
23.50	307.5	106.5	107.32		
24.00	309.3	108.4	107.33		
24.50	311.1	110.2	107.34		
25.00	313.0	112.0	107.34		
25.50	314.8	113.9	107.35		
26.00	316.6	115.7	107.36		
26.50	318.4	117.5	107.38		
27.00	320.8	119.9	107.38		
27.50	322.6	121.7	107.40		
28.00	324.4	123.5	107.39		
28.50	326.2	125.3	107.41		
29.00	328.0	127.1	107.41		
29.50	329.9	128.9	107.41		

***** End Flow 2

96949

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B"#4 DST#2 TKT 22551
DATE: 07/20/97 TIME: 14:55:06

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
8.50	836.4	642.5	105.77	2.8824	0.700
9.00	840.1	646.2	105.81	2.7778	0.706
9.50	843.5	649.6	105.85	2.6842	0.712
10.00	846.7	652.8	105.88	2.6000	0.717
10.50	849.7	655.9	105.91	2.5238	0.722
11.00	852.6	658.7	105.94	2.4545	0.727
11.50	855.3	661.4	105.97	2.3913	0.732
12.00	857.9	664.0	105.99	2.3333	0.736
12.50	860.4	666.5	106.04	2.2800	0.740
13.00	862.7	668.8	106.05	2.2308	0.744
13.50	864.9	671.0	106.07	2.1852	0.748
14.00	867.0	673.1	106.10	2.1429	0.752
14.50	869.1	675.2	106.13	2.1034	0.755
15.00	871.0	677.1	106.15	2.0667	0.759
15.50	872.9	679.0	106.18	2.0323	0.762
16.00	874.7	680.8	106.21	2.0000	0.765
16.50	876.4	682.5	106.21	1.9697	0.768
17.00	878.0	684.2	106.23	1.9412	0.771
17.50	879.6	685.8	106.25	1.9143	0.774
18.00	881.2	687.3	106.28	1.8889	0.776
18.50	882.6	688.7	106.29	1.8649	0.779
19.00	884.1	690.2	106.32	1.8421	0.782
19.50	885.5	691.6	106.36	1.8205	0.784
20.00	886.8	692.9	106.36	1.8000	0.786
20.50	888.1	694.2	106.36	1.7805	0.789
21.00	889.4	695.5	106.43	1.7619	0.791
21.50	890.6	696.7	106.43	1.7442	0.793
22.00	891.8	697.9	106.43	1.7273	0.795
22.50	892.9	699.0	106.43	1.7111	0.797
23.00	894.0	700.2	106.43	1.6957	0.799
23.50	895.1	701.2	106.43	1.6809	0.801
24.00	896.1	702.2	106.43	1.6667	0.803
24.50	897.2	703.3	106.43	1.6531	0.805
25.00	898.1	704.2	106.43	1.6400	0.807
25.50	899.1	705.2	106.43	1.6275	0.808
26.00	900.0	706.2	106.43	1.6154	0.810
26.50	901.0	707.1	106.43	1.6038	0.812
27.00	901.9	708.0	106.43	1.5926	0.813
27.50	902.7	708.8	106.43	1.5818	0.815
28.00	903.6	709.7	106.43	1.5714	0.816
28.50	904.4	710.5	106.43	1.5614	0.818
29.00	905.2	711.3	106.47	1.5517	0.819
***** End Shut-in 1					
***** Start Flow 2					
0.00	200.9	0.0	106.52		
0.50	203.4	2.5	106.52		
1.00	206.0	5.1	106.52		
1.50	208.6	7.7	106.52		
2.00	211.8	10.9	106.54		
2.50	214.5	13.5	106.56		
3.00	217.0	16.1	106.56		
3.50	219.6	18.7	106.57		
4.00	222.1	21.2	106.60		

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	0.0	0.0	60.0	40.0	MUDDY WATER
600.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	RW .27 @ 70 DEGREES F
0.0	0.0	0.0	0.0	0.0	CHLORIDES 13000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	45.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.1828 STB	AVERAGE WATER RATE:	132.8626 STB/D
WATER VOLUME:	3.9692 STB		
TOTAL FLUID :	4.1520 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1192.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	39.00	193.00
INITIAL SHUT-IN	30.00		903.00
FINAL FLOW	30.00	200.00	329.00
FINAL SHUT-IN	60.00		919.00

FINAL HYDROSTATIC PRESSURE: 1180.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1193.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	39.70	193.90
INITIAL SHUT-IN	30.00		905.20
FINAL FLOW	30.00	200.90	329.90
FINAL SHUT-IN	60.00		920.30

FINAL HYDROSTATIC PRESSURE: 1180.20

ORIGINAL

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B"#4 DST#2 TKT 22551
 DATE: 07/20/97 TIME: 14:55:06

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	123.00	1193.0	0.0	99.61		
***** Start Flow 1	0.00	39.7	0.0	100.18		
	0.50	45.8	6.1	100.31		
	1.00	52.4	12.7	100.41		
	1.50	59.3	19.6	100.53		
	2.00	65.4	25.7	100.62		
	2.50	72.2	32.5	100.73		
	3.00	78.5	38.8	100.85		
	3.50	85.1	45.4	100.95		
	4.00	91.2	51.5	101.08		
	4.50	97.6	57.9	101.19		
	5.00	103.4	63.7	101.34		
	5.50	109.6	69.9	101.46		
	6.00	115.3	75.6	101.58		
	6.50	121.2	81.6	101.75		
	7.00	127.1	87.4	101.89		
	7.50	132.5	92.8	102.07		
	8.00	138.2	98.5	102.20		
	8.50	143.6	103.9	102.34		
	9.00	149.1	109.4	102.48		
	9.50	154.3	114.6	102.62		
	10.00	159.7	120.0	102.77		
	10.50	165.0	125.4	102.94		
	11.00	169.3	129.6	103.11		
	11.50	171.9	132.2	103.24		
	12.00	174.3	134.6	103.36		
	12.50	176.8	137.1	103.51		
	13.00	179.2	139.5	103.65		
	13.50	181.6	141.9	103.82		
	14.00	184.5	144.8	103.96		
	14.50	186.9	147.2	104.09		
	15.00	189.3	149.6	104.23		
	15.50	191.6	151.9	104.37		
***** End Flow 1	16.00	193.9	154.2	104.50		
***** Start Shutin 1	0.00	193.9	0.0	104.50	0.0000	0.038
	0.50	569.6	375.7	104.63	33.0000	0.324
	1.00	660.6	466.7	104.73	17.0000	0.436
	1.50	701.1	507.2	104.83	11.6667	0.492
	2.00	727.1	533.2	104.93	9.0000	0.529
	2.50	746.2	552.3	105.03	7.4000	0.557
	3.00	761.2	567.3	105.12	6.3333	0.579
	3.50	773.4	579.5	105.20	5.5714	0.598
	4.00	783.7	589.8	105.27	5.0000	0.614
	4.50	792.5	598.6	105.34	4.5556	0.628
	5.00	800.2	606.3	105.41	4.2000	0.640
	5.50	807.0	613.2	105.47	3.9091	0.651
	6.00	813.1	619.2	105.54	3.6667	0.661
	6.50	818.6	624.7	105.59	3.4615	0.670
	7.00	823.7	629.8	105.63	3.2857	0.678
	7.50	828.3	634.4	105.68	3.1333	0.686
	8.00	832.5	638.6	105.72	3.0000	0.693

DST REPORT

GENERAL INFORMATION

DATE : 7/20/97
CUSTOMER : OXY USA INC
WELL : #4 TEST: 2
ELEVATION: 1367 KB
SECTION : 35
RANGE : 4E COUNTY: BUTLER
GAUGE SN#: 3027 RANGE : 4995
TICKET : 22551
LEASE : GIROD B
GEOLOGIST: JOHNSON
FORMATION: ARBUCKLE
TOWNSHIP : 25S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2502.00 ft TO: 2510.00 ft TVD: 2510.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2492.0 ft 2507.0 ft
TEMPERATURE: 108.0
DRILL COLLAR LENGTH: 300.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 2175.0 ft I.D.: 2.800 in
TEST TOOL LENGTH : 27.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 8.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 3.5XH
PACKER DEPTH: 2502.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : SUMMIT DRLG
MUD TYPE : CHEMICAL VISCOSITY : 45.00 cp
WEIGHT : 9.100 ppg WATER LOSS: 11.600 cc
CHLORIDES : 2800 ppm
JARS-MAKE : WTC SERIAL NUMBER: 422
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BUILDING TO A STRONG BLOW
IN 4 MINUTES. FINAL FLOW PERIOD STRONG BLOW
THROUGHOUT.

DST REPORT

GENERAL INFORMATION

DATE : 7/19/97
CUSTOMER : OXY USA INC
WELL : #4 TEST: 1
ELEVATION: 1367 KB
SECTION : 35
RANGE : 4E COUNTY: BUTLER
GAUGE SN#: 3027 RANGE : 4995
TICKET : 22425
LEASE : GIROD B
GEOLOGIST: JOHNSON
FORMATION: SIMPSON SAND
TOWNSHIP : 25S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2414.00 ft TO: 2435.00 ft TVD: 2435.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2419.0 ft 2423.0 ft
TEMPERATURE: 107.0
DRILL COLLAR LENGTH: 300.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 2092.0 ft I.D.: 2.800 in
TEST TOOL LENGTH : 22.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 21.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 3.5XH
PACKER DEPTH: 2414.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : SUMMIT DRLG
MUD TYPE : CHEMICAL VISCOSITY : 50.00 cp
WEIGHT : 9.100 ppg WATER LOSS: 11.600 cc
CHLORIDES : 2800 ppm
JARS-MAKE : WTC SERIAL NUMBER: 422
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BUILDING TO A STRONG BLOW
IN 3 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	5.0	0.0	15.0	80.0	OIL CUT WATERY MUD
90.0	2.0	0.0	48.0	50.0	SLIGHTLY OIL C/WATERY MUD
300.0	1.0	0.0	95.0	4.0	SLIGHTLY OIL C/WATERY MUD
540.0	0.0	0.0	100.0	0.0	WATER W/SHOW OF OIL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 18000 PPM

RATE INFORMATION

OIL VOLUME:	0.0442 STB	
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME: 60.0000 min.
MUD VOLUME:	0.5559 STB	AVERAGE OIL RATE: 2.1430 STB/D
WATER VOLUME:	5.7603 STB	AVERAGE WATER RATE: 150.5073 STB/D
TOTAL FLUID :	6.3604 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1184.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	140.00	342.00
INITIAL SHUT-IN	60.00		688.00
FINAL FLOW	30.00	346.00	466.00
FINAL SHUT-IN	60.00		691.00

FINAL HYDROSTATIC PRESSURE: 1139.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1184.30

Description	Duration	p1	p End
INITIAL FLOW	30.00	140.50	342.70
INITIAL SHUT-IN	60.00		691.50
FINAL FLOW	30.00	346.80	466.70
FINAL SHUT-IN	60.00		691.40

FINAL HYDROSTATIC PRESSURE: 1139.20

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

WELL: OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425

DATE: 07/19/97 TIME: 11:59:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	105.00	1184.3	0.0	101.78		
***** Start Flow 1	0.00	140.5	0.0	103.42		
	5.00	200.4	59.9	105.49		
	10.50	240.3	99.8	106.43		
	11.00	243.4	102.9	106.53		
	11.50	247.5	107.0	106.61		
	12.00	250.9	110.4	106.66		
	12.50	254.3	113.8	106.71		
	13.00	257.7	117.2	106.78		
	13.50	261.5	121.0	106.81		
	14.00	264.6	124.1	106.85		
	14.50	267.8	127.3	106.89		
	15.00	271.3	130.8	106.93		
	15.50	274.7	134.2	106.96		
	16.00	277.6	137.1	107.01		
	16.50	280.6	140.2	107.03		
	17.00	283.5	143.0	107.06		
	17.50	287.2	146.7	107.08		
	18.00	290.3	149.8	107.10		
	18.50	293.3	152.8	107.12		
	19.00	296.3	155.8	107.15		
	19.50	299.8	159.3	107.16		
	20.00	302.5	162.0	107.20		
	20.50	305.4	164.9	107.21		
	21.00	308.3	167.8	107.23		
	21.50	311.3	170.9	107.25		
	22.00	314.4	173.9	107.27		
	22.50	317.3	176.8	107.28		
	23.00	320.0	179.5	107.29		
	23.50	322.8	182.3	107.31		
	24.00	326.1	185.6	107.31		
	24.50	328.9	188.4	107.34		
	25.00	331.7	191.2	107.33		
	25.50	334.4	193.9	107.36		
	26.00	337.1	196.6	107.37		
***** End Flow 1	26.50	340.2	199.7	107.37		
	27.00	342.7	202.2	107.39		
***** Start Shutin 1	0.00	342.7	0.0	107.39	0.0000	0.117
	0.50	571.0	228.3	107.43	55.0000	0.326
	1.00	637.0	294.3	107.40	28.0000	0.406
	1.50	651.7	309.0	107.40	19.0000	0.425
	2.00	659.4	316.7	107.40	14.5000	0.435
	2.50	664.2	321.5	107.42	11.8000	0.441
	3.00	667.8	325.1	107.42	10.0000	0.446
	3.50	670.3	327.6	107.42	8.7143	0.449
	4.00	672.2	329.5	107.40	7.7500	0.452
	4.50	673.8	331.1	107.40	7.0000	0.454
	5.00	675.1	332.4	107.38	6.4000	0.456
	5.50	676.2	333.5	107.35	5.9091	0.457
	6.00	677.1	334.4	107.32	5.5000	0.458
	6.50	677.9	335.2	107.31	5.1538	0.460

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425
 DATE: 07/19/97 TIME: 11:59:26

Time	Pressure PSig	delta P PSig	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
7.00	678.7	336.0	107.29	4.8571	0.461	
7.50	679.3	336.6	107.25	4.6000	0.461	
8.00	679.9	337.2	107.21	4.3750	0.462	
8.50	680.4	337.7	107.19	4.1765	0.463	
9.00	680.9	338.2	107.16	4.0000	0.464	
9.50	681.3	338.6	107.14	3.8421	0.464	
10.00	681.7	339.0	107.11	3.7000	0.465	
10.50	682.1	339.4	107.07	3.5714	0.465	
11.00	682.4	339.7	107.05	3.4545	0.466	
11.50	682.8	340.1	107.01	3.3478	0.466	
12.00	683.1	340.4	106.99	3.2500	0.467	
12.50	683.4	340.7	106.95	3.1600	0.467	
13.00	683.6	340.9	106.94	3.0769	0.467	
13.50	683.4	340.7	106.90	3.0000	0.467	
14.00	683.7	341.0	106.87	2.9286	0.467	
14.50	684.2	341.5	106.85	2.8621	0.468	
15.00	684.6	341.9	106.83	2.8000	0.469	
15.50	684.8	342.1	106.79	2.7419	0.469	
16.00	685.0	342.3	106.78	2.6875	0.469	
16.50	685.2	342.5	106.74	2.6364	0.469	
17.00	685.4	342.7	106.72	2.5882	0.470	
17.50	685.6	342.9	106.72	2.5429	0.470	
18.00	685.7	343.0	106.70	2.5000	0.470	
18.50	685.9	343.2	106.67	2.4595	0.470	
19.00	686.1	343.4	106.65	2.4211	0.471	
19.50	686.2	343.5	106.61	2.3846	0.471	
20.00	686.4	343.7	106.61	2.3500	0.471	
20.50	686.5	343.8	106.58	2.3171	0.471	
21.00	686.6	343.9	106.56	2.2857	0.471	
21.50	686.8	344.1	106.55	2.2558	0.472	
22.00	686.9	344.2	106.52	2.2273	0.472	
22.50	687.0	344.3	106.51	2.2000	0.472	
23.00	687.1	344.4	106.44	2.1739	0.472	
23.50	687.3	344.6	106.45	2.1489	0.472	
24.00	687.4	344.7	106.43	2.1250	0.472	
24.50	687.5	344.8	106.43	2.1020	0.473	
25.00	687.6	344.9	106.43	2.0800	0.473	
25.50	687.7	345.0	106.43	2.0588	0.473	
26.00	687.8	345.1	106.43	2.0385	0.473	
26.50	687.9	345.2	106.43	2.0189	0.473	
27.00	688.0	345.3	106.43	2.0000	0.473	
27.50	688.1	345.4	106.43	1.9818	0.473	
28.00	688.2	345.5	106.43	1.9643	0.474	
28.50	688.3	345.6	106.43	1.9474	0.474	
29.00	688.4	345.7	106.43	1.9310	0.474	
29.50	688.5	345.8	106.39	1.9153	0.474	
30.00	688.6	345.9	106.36	1.9000	0.474	
30.50	688.6	345.9	106.32	1.8852	0.474	
31.00	688.7	346.0	106.29	1.8710	0.474	
31.50	688.8	346.1	106.29	1.8571	0.474	
32.00	688.7	346.0	106.28	1.8438	0.474	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425
DATE: 07/19/97 TIME: 11:59:26

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
32.50	688.7	346.0	106.26	1.8308	0.474
33.00	688.8	346.1	106.25	1.8182	0.474
33.50	688.8	346.1	106.25	1.8060	0.474
34.00	688.9	346.2	106.23	1.7941	0.475
34.50	688.9	346.2	106.22	1.7826	0.475
35.00	689.1	346.4	106.21	1.7714	0.475
35.50	689.1	346.4	106.19	1.7606	0.475
36.00	689.1	346.5	106.18	1.7500	0.475
36.50	689.2	346.5	106.17	1.7397	0.475
37.00	689.3	346.6	106.16	1.7297	0.475
37.50	689.5	346.8	106.15	1.7200	0.475
38.00	689.6	346.9	106.13	1.7105	0.476
38.50	689.7	347.0	106.13	1.7013	0.476
39.00	689.7	347.1	106.12	1.6923	0.476
39.50	689.8	347.1	106.12	1.6835	0.476
40.00	689.9	347.2	106.10	1.6750	0.476
40.50	689.9	347.3	106.08	1.6667	0.476
41.00	690.0	347.3	106.08	1.6585	0.476
41.50	690.1	347.4	106.07	1.6506	0.476
42.00	690.1	347.4	106.06	1.6429	0.476
42.50	690.1	347.5	106.05	1.6353	0.476
43.00	690.2	347.5	106.05	1.6279	0.476
43.50	690.3	347.6	106.03	1.6207	0.476
44.00	690.3	347.6	106.02	1.6136	0.477
44.50	690.3	347.7	106.01	1.6067	0.477
45.00	690.4	347.7	106.02	1.6000	0.477
45.50	690.4	347.8	106.00	1.5934	0.477
46.00	690.5	347.8	105.98	1.5870	0.477
46.50	690.6	347.9	105.97	1.5806	0.477
47.00	690.6	347.9	105.97	1.5745	0.477
47.50	690.6	348.0	105.96	1.5684	0.477
48.00	690.7	348.0	105.95	1.5625	0.477
48.50	690.7	348.0	105.94	1.5567	0.477
49.00	690.8	348.1	105.94	1.5510	0.477
49.50	690.8	348.1	105.94	1.5455	0.477
50.00	690.8	348.2	105.91	1.5400	0.477
50.50	690.9	348.2	105.91	1.5347	0.477
51.00	690.9	348.3	105.90	1.5294	0.477
51.50	691.0	348.3	105.88	1.5243	0.477
52.00	691.0	348.3	105.88	1.5192	0.477
52.50	691.0	348.4	105.88	1.5143	0.478
53.00	691.1	348.4	105.87	1.5094	0.478
53.50	691.1	348.4	105.87	1.5047	0.478
54.00	691.1	348.5	105.86	1.5000	0.478
54.50	691.2	348.5	105.85	1.4954	0.478
55.00	691.3	348.6	105.85	1.4909	0.478
55.50	691.3	348.6	105.83	1.4865	0.478
56.00	691.3	348.6	105.83	1.4821	0.478
56.50	691.3	348.6	105.83	1.4779	0.478
57.00	691.4	348.7	105.83	1.4737	0.478
57.50	691.4	348.7	105.81	1.4696	0.478

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425

DATE: 07/19/97

TIME: 11:59:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	23.50	451.2	104.4	107.52		
	24.00	452.8	106.0	107.52		
	24.50	454.5	107.7	107.54		
	25.00	456.1	109.3	107.52		
	25.50	457.9	111.1	107.52		
	26.00	459.9	113.1	107.54		
	26.50	461.6	114.8	107.54		
	27.00	463.2	116.4	107.54		
	27.50	464.8	118.0	107.54		
***** End Flow 2	28.00	466.7	119.9	107.54		
***** Start Shutin 2	0.00	466.7	0.0	107.54	0.0000	0.218
	0.50	655.4	188.7	107.54	111.0000	0.430
	1.00	665.7	199.0	107.56	56.0000	0.443
	1.50	670.8	204.1	107.54	37.6667	0.450
	2.00	673.9	207.2	107.55	28.5000	0.454
	2.50	676.1	209.4	107.55	23.0000	0.457
	3.00	677.6	210.9	107.56	19.3333	0.459
	3.50	678.8	212.1	107.54	16.7143	0.461
	4.00	679.8	213.1	107.54	14.7500	0.462
	4.50	680.6	213.9	107.54	13.2222	0.463
	5.00	681.3	214.6	107.52	12.0000	0.464
	5.50	681.9	215.2	107.51	11.0000	0.465
	6.00	682.4	215.7	107.50	10.1667	0.466
	6.50	682.8	216.1	107.47	9.4615	0.466
	7.00	683.2	216.5	107.45	8.8571	0.467
	7.50	683.6	216.8	107.46	8.3333	0.467
	8.00	683.9	217.2	107.43	7.8750	0.468
	8.50	684.2	217.5	107.43	7.4706	0.468
	9.00	684.4	217.7	107.40	7.1111	0.468
	9.50	684.7	218.0	107.39	6.7895	0.469
	10.00	685.0	218.2	107.38	6.5000	0.469
	10.50	685.2	218.4	107.36	6.2381	0.469
	11.00	685.4	218.6	107.34	6.0000	0.470
	11.50	685.6	218.8	107.34	5.7826	0.470
	12.00	685.7	219.0	107.31	5.5833	0.470
	12.50	685.9	219.2	107.31	5.4000	0.470
	13.00	686.1	219.3	107.29	5.2308	0.471
	13.50	686.2	219.5	107.27	5.0741	0.471
	14.00	686.4	219.6	107.27	4.9286	0.471
	14.50	686.5	219.8	107.27	4.7931	0.471
	15.00	686.7	219.9	107.25	4.6667	0.472
	15.50	686.8	220.0	107.23	4.5484	0.472
	16.00	686.9	220.2	107.22	4.4375	0.472
	16.50	687.0	220.3	107.21	4.3333	0.472
	17.00	687.2	220.4	107.20	4.2353	0.472
	17.50	687.3	220.5	107.18	4.1429	0.472
	18.00	687.4	220.6	107.18	4.0556	0.472
	18.50	687.5	220.7	107.16	3.9730	0.473
	19.00	687.6	220.8	107.14	3.8947	0.473
	19.50	687.7	220.9	107.15	3.8205	0.473
	20.00	687.8	221.0	107.13	3.7500	0.473

96949

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425
DATE: 07/19/97 TIME: 11:59:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^
	58.00	691.4	348.8	105.81	1.4655	0.478
	58.50	691.4	348.8	105.80	1.4615	0.478
	59.00	691.5	348.8	105.81	1.4576	0.478
***** End Shut-in 1	59.50	691.5	348.8	105.79	1.4538	0.478
***** Start Flow 2	0.00	346.8	0.0	105.79		
	0.50	349.0	2.2	105.77		
	1.00	352.1	5.3	105.78		
	1.50	354.7	7.9	105.83		
	2.00	357.6	10.8	105.90		
	2.50	360.3	13.5	105.99		
	3.00	363.5	16.7	106.09		
	3.50	366.0	19.2	106.21		
	4.00	368.5	21.7	106.36		
	4.50	370.9	24.2	106.43		
	5.00	373.4	26.6	106.47		
	5.50	375.9	29.1	106.57		
	6.00	378.8	32.0	106.65		
	6.50	381.2	34.4	106.73		
	7.00	383.6	36.8	106.80		
	7.50	385.9	39.1	106.85		
	8.00	388.3	41.5	106.89		
	8.50	391.1	44.3	106.95		
	9.00	393.2	46.4	107.00		
	9.50	395.4	48.6	107.03		
	10.00	397.5	50.7	107.07		
	10.50	399.6	52.8	107.12		
	11.00	401.7	54.9	107.14		
	11.50	404.4	57.6	107.18		
	12.00	406.6	59.8	107.21		
	12.50	408.7	61.9	107.24		
	13.00	410.8	64.0	107.26		
	13.50	412.7	65.9	107.29		
	14.00	414.8	68.0	107.31		
	14.50	416.8	70.0	107.31		
	15.00	419.3	72.5	107.34		
	15.50	421.3	74.5	107.34		
	16.00	423.2	76.4	107.37		
	16.50	425.0	78.2	107.39		
	17.00	426.9	80.1	107.39		
	17.50	428.7	81.9	107.41		
	18.00	430.7	83.9	107.43		
	18.50	433.0	86.2	107.43		
	19.00	434.9	88.1	107.44		
	19.50	436.7	89.9	107.45		
	20.00	438.6	91.8	107.45		
	20.50	440.4	93.6	107.45		
	21.00	442.2	95.4	107.47		
	21.50	444.0	97.3	107.48		
	22.00	446.3	99.5	107.50		
	22.50	447.9	101.1	107.49		
	23.00	449.6	102.8	107.53		

ORIGINAL

ALPINE SUBSURFACE ELECTRONICS' PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425

DATE: 07/19/97 TIME: 11:59:26

	Time	Pressure PSIg	delta P PSIg	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	46.00	690.6	223.9		106.76	2.1957	0.477
	46.50	690.6	223.9		106.76	2.1828	0.477
	47.00	690.7	223.9		106.75	2.1702	0.477
	47.50	690.7	224.0		106.74	2.1579	0.477
	48.00	690.7	224.0		106.75	2.1458	0.477
	48.50	690.8	224.0		106.73	2.1340	0.477
	49.00	690.8	224.0		106.72	2.1224	0.477
	49.50	690.8	224.1		106.72	2.1111	0.477
	50.00	690.9	224.1		106.72	2.1000	0.477
	50.50	690.9	224.1		106.71	2.0891	0.477
	51.00	690.9	224.2		106.72	2.0784	0.477
	51.50	690.9	224.2		106.70	2.0680	0.477
	52.00	691.0	224.2		106.70	2.0577	0.477
	52.50	691.0	224.3		106.68	2.0476	0.477
	53.00	691.0	224.3		106.68	2.0377	0.478
	53.50	691.0	224.3		106.67	2.0280	0.478
	54.00	691.1	224.4		106.68	2.0185	0.478
	54.50	691.1	224.4		106.67	2.0092	0.478
	55.00	691.1	224.4		106.67	2.0000	0.478
	55.50	691.2	224.4		106.66	1.9910	0.478
	56.00	691.2	224.5		106.65	1.9821	0.478
	56.50	691.2	224.5		106.65	1.9735	0.478
	57.00	691.2	224.5		106.65	1.9649	0.478
	57.50	691.3	224.5		106.65	1.9565	0.478
	58.00	691.3	224.6		106.65	1.9483	0.478
	58.50	691.3	224.6		106.64	1.9402	0.478
	59.00	691.3	224.6		106.62	1.9322	0.478
	59.50	691.4	224.6		106.62	1.9244	0.478
***** End Shut-in 2	60.00	691.4	224.6		106.63	1.9167	0.478
***** Final Hydro.	293.00	1139.2	0.0		106.16		

96949

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425

DATE: 07/19/97

TIME: 11:59:26

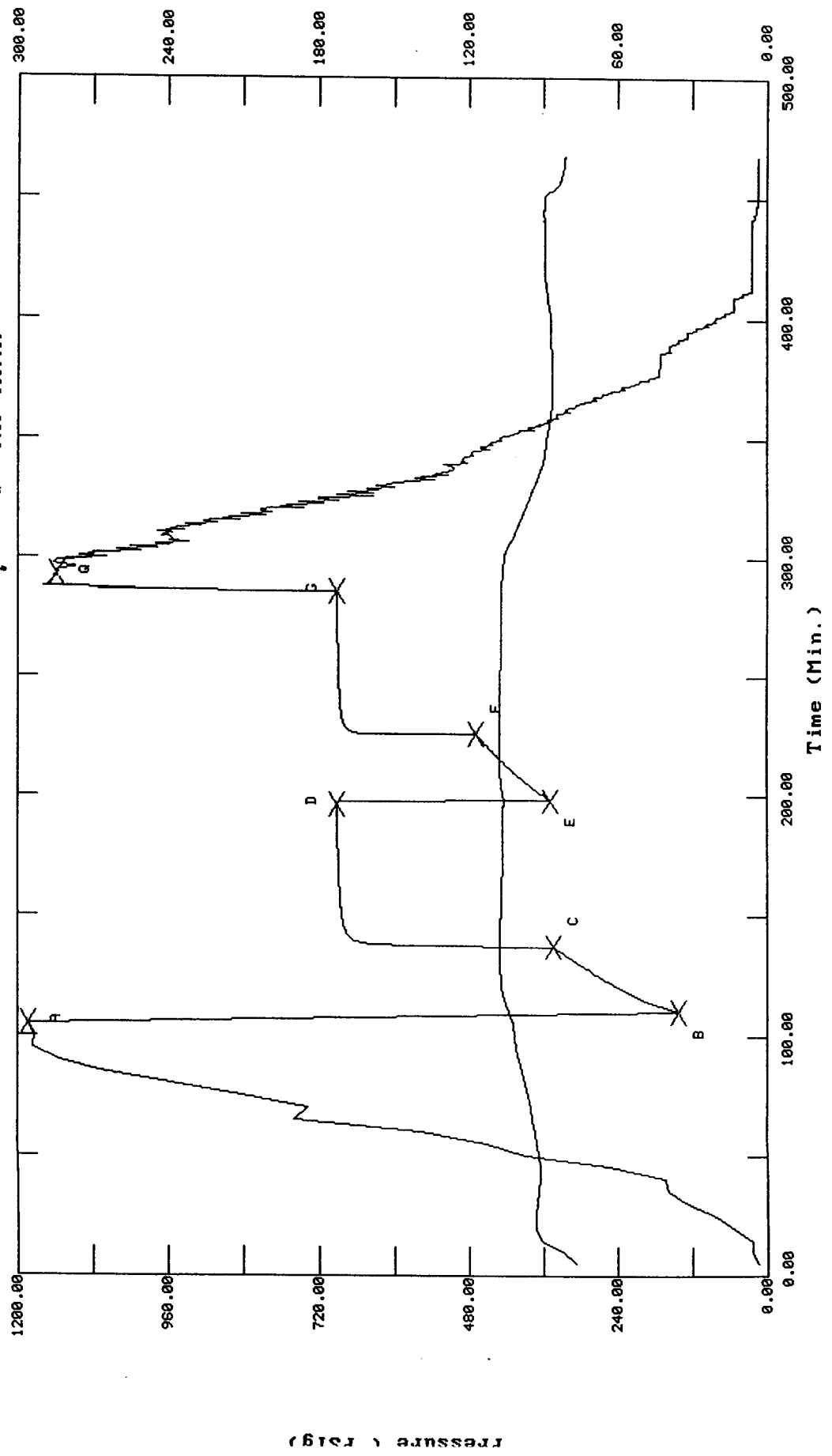
Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
20.50	687.9	221.1	107.12	3.6829	0.473
21.00	687.9	221.2	107.12	3.6190	0.473
21.50	688.0	221.3	107.10	3.5581	0.473
22.00	688.1	221.4	107.09	3.5000	0.474
22.50	688.2	221.4	107.09	3.4444	0.474
23.00	688.3	221.6	107.07	3.3913	0.474
23.50	688.4	221.6	107.07	3.3404	0.474
24.00	688.4	221.7	107.05	3.2917	0.474
24.50	688.5	221.8	107.05	3.2449	0.474
25.00	688.6	221.8	107.05	3.2000	0.474
25.50	688.6	221.9	107.02	3.1569	0.474
26.00	688.7	222.0	107.03	3.1154	0.474
26.50	688.8	222.0	107.02	3.0755	0.474
27.00	688.9	222.1	107.01	3.0370	0.475
27.50	688.9	222.2	106.99	3.0000	0.475
28.00	689.0	222.2	107.00	2.9643	0.475
28.50	689.0	222.3	106.99	2.9298	0.475
29.00	689.1	222.3	106.97	2.8966	0.475
29.50	689.1	222.4	106.96	2.8644	0.475
30.00	689.2	222.5	106.96	2.8333	0.475
30.50	689.3	222.5	106.96	2.8033	0.475
31.00	689.3	222.6	106.96	2.7742	0.475
31.50	689.4	222.6	106.92	2.7460	0.475
32.00	689.4	222.7	106.93	2.7188	0.475
32.50	689.5	222.7	106.93	2.6923	0.475
33.00	689.5	222.8	106.92	2.6667	0.475
33.50	689.6	222.8	106.92	2.6418	0.475
34.00	689.6	222.9	106.90	2.6176	0.476
34.50	689.7	222.9	106.90	2.5942	0.476
35.00	689.7	223.0	106.90	2.5714	0.476
35.50	689.7	223.0	106.90	2.5493	0.476
36.00	689.8	223.1	106.90	2.5278	0.476
36.50	689.8	223.1	106.87	2.5068	0.476
37.00	689.9	223.2	106.87	2.4865	0.476
37.50	689.9	223.2	106.85	2.4667	0.476
38.00	690.0	223.2	106.86	2.4474	0.476
38.50	690.0	223.3	106.85	2.4286	0.476
39.00	690.1	223.3	106.85	2.4103	0.476
39.50	690.1	223.4	106.84	2.3924	0.476
40.00	690.2	223.4	106.83	2.3750	0.476
40.50	690.2	223.5	106.82	2.3580	0.476
41.00	690.3	223.5	106.83	2.3415	0.476
41.50	690.3	223.5	106.81	2.3253	0.476
42.00	690.3	223.6	106.81	2.3095	0.477
42.50	690.4	223.6	106.81	2.2941	0.477
43.00	690.4	223.6	106.79	2.2791	0.477
43.50	690.4	223.7	106.79	2.2644	0.477
44.00	690.5	223.7	106.79	2.2500	0.477
44.50	690.5	223.8	106.78	2.2360	0.477
45.00	690.5	223.8	106.77	2.2222	0.477
45.50	690.6	223.8	106.78	2.2088	0.477

TEST HISTORY
 OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425

Flag Points

t (Min.) P (PSig)

- A: 0.00 1184.33
- B: 0.00 140.50
- C: 27.00 342.69
- D: 59.50 691.52
- E: 0.00 346.80
- F: 28.00 466.74
- G: 60.00 691.36
- Q: 0.00 1139.19



Temperature (DEG F)

ORIGINAL



P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation 1367 KB Formation Simpson Ed. Eff. Pay - Ft.

District GREAT Bend Date 7-19-97 Customer Order No. -

COMPANY NAME Oxy U.S.A. Inc. ORIGINAL

ADDRESS 2640 W. Refinery Road Eldorado, Ks. 67042

LEASE AND WELL NO. Girod "B" #4 COUNTY Butler STATE Ks Sec. 35 Twp 25 Rge 4E

Mail Invoice To SAME Co. Name Address No. Copies Requested Reg

Mail Charts To SAME Address No. Copies Requested Reg

Formation Test No. Interval Tested From 2414 ft. to 2435 ft. Total Depth 2435 ft.

Packer Depth 2414 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 2414 ft. Size 7 3/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2419 ft. Recorder Number 3027 Cap 4995

Bottom Recorder Depth (Outside) 2423 ft. Recorder Number 13548 Cap 4075

Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Summit Drllg Drill Collar Length 300 I. D. 2.2 in.

Mud Type Chemical Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.1 Water Loss 11.6 cc. Drill Pipe Length 2092 I. D. 2.8 in.

Chlorides 2800 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 422 Anchor Length 21 ft. Size 5 1/2 in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 5 1/2 x 11 in.

Blow: IF - WEAR building TO A STRONG Blow in 3 min

FF -

Recovered 20 ft. of Oil cut watery mud 5% oil 15% water 80% mud

Recovered 90 ft. of Slightly oil cut watery mud 2% oil 48% water 50% mud

Recovered 300 ft. of Slightly oil cut muddy water 1% oil 4% mud 95% water

Recovered 540 ft. of WATER w/show of oil R+W .22 at 70'

Chlorides 18000 P.P.M. Sample Jars used 5 Remarks:

Time On Location 10:40 A.M. Time Pick Up Tool 11:45 A.M. Time Off Location - A.M. P.M.

Time Set Packer(s) 1:45 P.M. Time Started Off Bottom 4:45 A.M. Maximum Temperature 107°

Initial Hydrostatic Pressure (A) 1184 P.S.I.

Initial Flow Period Minutes 30 (B) 140 P.S.I. to (C) 342 P.S.I.

Initial Closed In Period Minutes 60 (D) 688 P.S.I.

Final Flow Period Minutes 30 (E) 346 P.S.I. to (F) 466 P.S.I.

Final Closed In Period Minutes 60 (G) 691 P.S.I.

Final Hydrostatic Pressure (H) 1139 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to 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, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 18% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

FIELD INVOICE

Table with 2 columns: Item Name and Amount. Items include Open Hole Test (\$600), Misrun (\$), Straddle Test (\$), Jars (\$225), Selective Zone (\$), Safety Joint (\$25), Standby (\$), Shale Packer (\$), Extra Packer (\$), Circ. Sub. (\$), Mileage (\$), Fluid Sampler (\$).

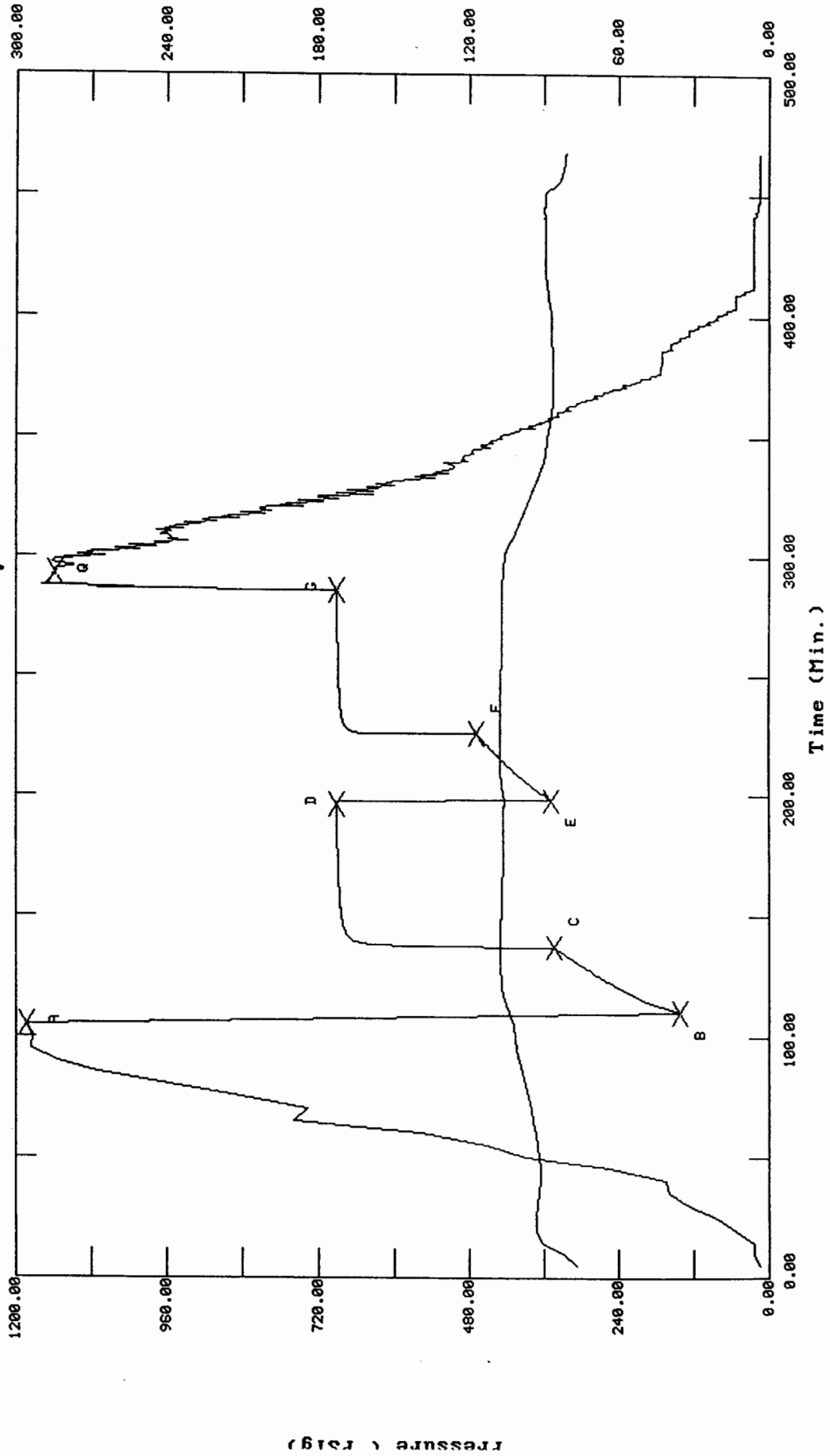
TEST HISTORY

OXY U.S.A. INC. GIROD "B" #4 DST#1 TKT 22425

Flag Points

t (Min.) P (PSIG)

A:	0.00	1184.33
B:	0.00	140.50
C:	27.00	342.69
D:	59.50	691.52
E:	0.00	346.80
F:	28.00	466.74
G:	60.00	691.36
Q:	0.00	1139.19



ORIGINAL

Temperature (DEG F)



P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation 1367 KB Formation Simpson Ed. Eff. Pay - Ft.

District GREAT Bend Date 7-19-97 Customer Order No. -

COMPANY NAME Oxy U.S.A. Inc. ADDRESS 2640 W. Refinery Road Eldorado, Ks. 67042

ORIGINAL

LEASE AND WELL NO. Girod "B" #4 COUNTY Butler STATE Ks Sec. 35 Twp. 25 Rge. 4E

Mail Invoice To Same Co. Name Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 2414 ft. to 2435 ft. Total Depth 2435 ft.

Packer Depth 2404 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 2414 ft. Size 7 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2419 ft. Recorder Number 3027 Cap. 4995

Bottom Recorder Depth (Outside) 2423 ft. Recorder Number 13548 Cap. 4075

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Summit Drilling Mud Type Chemical Viscosity 50

Weight 9.1 Water Loss 11.6 cc. Chlorides 2800 P.P.M.

Jars: Make WTC Serial Number 422 Did Well Flow? - Reversed Out -

Drill Collar Length 300 I. D. 2.2 in. Weight Pipe Length - I. D. - in.

Drill Pipe Length 2092 I. D. 2.8 in. Test Tool Length 22 ft. Tool Size 5/8 in.

Anchor Length 21 ft. Size 5/8 in. Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 x 11 in.

Blow: IF - WEAK building TO A STRONG Blow in 3 min FF -

Recovered 20 ft. of Oil cut watery mud 5% oil 15% water 80% mud

Recovered 90 ft. of Slightly oil cut watery mud 2% oil 48% water 50% mud

Recovered 300 ft. of Slightly oil cut muddy water 1% oil 4% mud 95% water

Recovered 540 ft. of WATER w/ show of oil R+W .22 at 70'

Chlorides 18000 P.P.M. Sample Jars used 5 Remarks:

Time On Location 10:40 AM P.M. Time Pick Up Tool 11:45 AM P.M. Time Off Location - AM P.M.

Time Set Packer(s) 1:45 AM P.M. Time Started Off Bottom 4:45 AM P.M. Maximum Temperature 107°

Initial Hydrostatic Pressure (A) 1184 P.S.I.

Initial Flow Period Minutes 30 (B) 140 P.S.I. to (C) 342 P.S.I.

Initial Closed In Period Minutes 60 (D) 688 P.S.I.

Final Flow Period Minutes 30 (E) 346 P.S.I. to (F) 466 P.S.I.

Final Closed In Period Minutes 60 (G) 691 P.S.I.

Final Hydrostatic Pressure (H) 1139 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to 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, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 18% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test (\$600), Misrun (\$), Straddle Test (\$), Jars (\$225), Selective Zone (\$), Safety Joint (\$25), Standby (\$), Shale Packer (\$), Extra Packer (\$), Circ. Sub. (\$), Mileage (\$), Fluid Sampler (\$).

ORIGINAL

Inside Recorder

KT 22425

OST #1
13548

