

DIRECTIONAL SURVEY CERTIFICATION

RE. Amoco Prod. Co. (Operator)
Floodgate H 372 (Well Name & No.)
Sec. 6 T30N R 8 W
 Well File No. _____

DIST. 3

John Bailey, having personal knowledge of all the facts herein, hereby certify that the attached directional survey run from a depth of 3142 feet to a measured depth of 8539 feet is true and correct as determined from all available records.

Signature

Title

Company

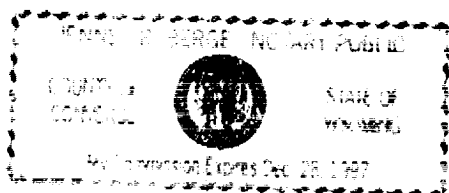
State of Wyoming
 County of Natrona

RECEIVED
MAR 15 1995
OIL CON. DIV.
DIST. 3

15 day of March, 1995, before me personally John Bailey to me known as the person who executed the foregoing instrument and acknowledged that John Bailey executed the same as his/her free act and deed.

James P. Buge
 Notary Public

Dec. 28, 1997
 My Commission Expires



SCIENTIFIC DRILLING INTERNATIONAL INC.

Page 3 of 3
Date 1/22/1995
Filename : H37R

Client : AMOCO PRODUCTION COMPANY
Well Name : FLORENCE H37R
Location : SAN JUAN COUNTY, NEW MEXICO
SHL : SEC.6,T30N,R8W
PBHL :

ACTUAL RHL :

Height Of WELLSITE Datum Above Field Datum

No Interpolation
0.00 ft

M. DEPTH	ANGLE	AZ.DEG	CAL	T V D	V/S	N/S-	E/W-	DLS
ft	deg	deg	ft	ft	ft	ft	ft	/100
7147.00	90.00	4.9	32	5052.80	2249.31	2255.50	-9.30	4.78
7179.00	90.40	4.9	32	5052.63	2260.88	2287.39	-6.56	0.62
7242.00	90.80	4.4	63	5051.97	2343.08	2350.18	-1.46	1.02
7304.00	91.30	4.6	62	5051.27	2404.31	2411.98	3.41	0.58
7368.00	90.50	3.5	64	5050.71	2467.60	2475.82	7.93	1.72
7400.00	90.50	3.4	32	5050.43	2499.29	2507.76	0.05	0.32
7421.00	90.40	2.6	31	5050.19	2530.02	2538.71	4.0	2.60
7436.00	90.30	2.7	95	5049.60	2624.28	2633.61	37	0.15
7539.00	90.10	1.4	63	5049.38	2686.97	2696.57	6.12	2.09
7653.00	89.60	1.5	64	5049.55	2750.53	2760.55	19.74	0.80
7749.00	89.40	1.2	95	5050.38	2845.03	2855.52	21.98	0.38
7846.00	89.20	2.0	98	5051.58	2942.47	2953.47	24.71	0.84
7940.00	89.00	2.0	94	5052.56	3035.86	3047.41	27.99	0.43
7981.00	89.10	5.5	43	5053.05	3078.41	3090.3	30.81	8.22
8043.00	89.00	6.0	60	5054.04	3137.45	3150.0	36.82	0.85
8109.00	89.10	4.2	60	5055.04	3196.60	3209.75	42.15	3.00
8168.00	89.10	6.4	60	5055.98	3255.71	3269.48	47.69	3.67
8228.00	89.70	6.0	60	5057.13	3314.66	3329.12	54.17	0.94
8288.00	89.40	6.2	60	5058.65	3373.62	3388.76	60.54	0.60
8343.00	88.10	7.0	60	5060.48	3432.47	3448.33	67.44	1.42
8401.00	87.40	1.7	60	5062.58	3491.70	3508.10	71.98	8.83
8423.00	86.90	3.8	120	5068.02	3610.61	3627.83	77.73	1.94
8539.00	86.90	3.8	16	5068.89	3626.42	3643.77	78.00	0.00

Origin of Bottom Hole Closure WELLSITE CENTRE
Bottom Hole Closure 3645 ft 1.2

COMPLETION REPORT

SCIENTIFIC DRILLING INTERNATIONAL INC.

Page 2 of 3
Date 1/22/1995
Filename : H37R

Client : AMOCO PRODUCTION COMPANY
Well Name : FLORENCE H37R
Location : SAN JUAN COUNTY, NEW MEXICO
SHL : SEC.6,T30N,R8W
PBHL :

ACTUAL BHL :
Height Of WELLSITE Datum Above Field Datum

No Interpolation
0.00 ft

M. DEPTH	ANGLE	AZ. DEG	C/L	T V D	V/S	N/S-	E/W-	DLS
ft	deg	deg	ft	ft	ft	ft	ft	/100
5525.00	90.60	353.6	30	5033.39	636.90	637.91	-12.13	1.37
5555.00	88.90	351.4	32	5033.53	668.86	669.63	-16.30	8.69
5587.00	88.90	351.3	32	5034.15	700.77	701.26	-21.12	0.32
5618.00	89.00	351.3	31	5034.71	731.68	731.90	-25.80	0.33
5649.00	89.10	351.5	31	5035.23	762.59	762.55	-30.44	0.72
5681.00	88.80	351.6	32	5035.82	794.51	794.20	-35.14	0.99
5713.00	88.70	351.4	32	5036.51	826.42	825.84	-39.87	0.70
5746.00	89.00	352.0	63	5037.78	889.27	888.16	-48.96	1.06
5807.00	88.90	351.9	31	5038.35	920.21	918.85	-53.30	0.46
5837.00	87.50	352.9	30	5039.29	950.15	948.58	-57.27	5.73
5867.00	87.80	355.3	30	5040.52	980.11	978.39	-60.35	8.06
5899.00	87.40	357.2	32	5041.86	1012.08	1010.29	-62.44	6.06
5931.00	88.20	358.6	32	5043.09	1044.03	1042.24	-63.61	5.04
5961.00	89.60	359.6	30	5043.66	1073.96	1072.23	-64.08	5.73
6024.00	90.00	359.2	63	5043.88	1136.01	1135.23	-64.74	0.90
6087.00	89.00	359.5	63	5044.43	1199.67	1198.22	-65.46	1.66
6149.00	89.40	359.8	62	5045.30	1261.50	1260.21	-65.84	0.81
6181.00	89.30	359.7	32	5045.66	1293.41	1292.21	-65.98	0.44
6211.00	88.90	359.9	30	5046.13	1323.32	1322.21	-66.03	1.49
6242.00	89.50	1.1	31	5046.57	1354.20	1353.20	-65.81	4.33
6273.00	91.30	2.0	31	5046.35	1385.03	1384.19	-64.97	6.49
6304.00	92.00	2.3	31	5045.46	1415.81	1415.16	-63.81	2.46
6367.00	91.90	2.4	63	5043.31	1478.32	1478.07	-61.23	0.22
6399.00	91.00	2.2	32	5042.50	1510.09	1510.03	-59.94	2.88
6430.00	91.10	2.2	31	5041.94	1540.87	1541.00	-58.75	0.33
6461.00	91.60	2.2	31	5041.21	1571.65	1571.97	-57.56	1.61
6524.00	91.50	2.5	63	5039.50	1634.18	1634.89	-54.98	0.50
6587.00	92.50	2.9	63	5037.30	1696.65	1697.79	-52.02	1.71
6619.00	92.70	2.5	32	5035.85	1728.36	1729.72	-50.51	1.40
6650.00	91.00	2.9	31	5034.85	1759.10	1760.67	-49.05	5.63
6712.00	88.80	3.4	62	5034.96	1820.55	1822.57	-45.64	3.64
6743.00	88.60	3.6	31	5035.66	1851.24	1853.50	-43.78	0.72
6805.00	88.70	3.9	62	5037.12	1912.59	1915.36	-39.78	0.66
6868.00	88.50	4.3	63	5038.66	1974.87	1978.18	-35.28	0.71
6930.00	87.80	5.9	62	5040.66	2035.97	2039.90	-29.77	2.82
6961.00	87.70	5.4	31	5041.88	2066.46	2070.72	-26.72	1.64
7025.00	85.50	5.2	64	5045.68	2129.41	2134.33	-20.82	3.45
7057.00	84.30	5.9	28	5048.17	2156.87	2162.09	-18.12	4.96
7084.00	85.50	5.6	31	5050.92	2187.26	2192.81	-15.03	3.99
7115.00	88.70	5.2	31	5052.49	2217.75	2223.63	-12.11	10.40

SCIENTIFIC DRILLING INTERNATIONAL INC.

Page 1 of 3
Date 1/22/1995
Filename : H37R

Client : AMOCO PRODUCTION COMPANY
Well Name : FLORENCE H37R
Location : SAN JUAN COUNTY, NEW MEXICO
SHL : SEC.6,T30N,R8W
PBHL :

ACTUAL BHL :
Height Of WELLSITE Datum Above Field Datum

No Interpolation
0.00 ft

M. DEPTH	ANGLE	AZ. DEG	CNL	T V D	V/S	N/S- ft	E/W- ft	DLS °/100
ft	deg	deg	ft	ft	ft			
3144.00	0.00	0.0	0	3144.00	0.00	0.00	0.00	0.00
3298.00	1.00	261.5	154	3297.99	0.00	-0.20	-1.33	0.65
3461.00	2.00	221.5	163	3460.94	-2.17	-2.54	-4.62	0.85
3667.00	3.00	211.5	206	3666.74	-9.03	-9.83	-9.82	0.53
3851.00	4.25	218.5	184	3850.37	-17.91	-19.27	-16.58	0.72
4036.00	4.75	211.5	185	4034.80	-29.12	-31.17	-24.85	0.40
4220.00	3.50	216.5	184	4218.32	-39.53	-42.18	-32.17	0.71
4405.00	3.50	221.5	185	4402.98	-47.71	-50.95	-39.27	0.16
4498.00	3.70	215.7	91	4493.80	-51.89	-55.41	-42.83	0.46
4524.00	3.70	217.0	28	4521.74	-53.25	-56.87	-43.90	0.30
4554.00	2.70	231.7	30	4551.69	-54.37	-58.08	-45.03	4.29
4585.00	3.80	324.4	31	4582.66	-53.90	-57.69	-46.21	15.36
4616.00	7.30	357.0	31	4613.51	-51.05	-54.89	-46.91	14.77
4647.00	11.70	10.6	31	4644.08	-46.04	-49.83	-46.43	15.84
4679.00	16.30	9.9	32	4675.13	-38.56	-42.21	-45.06	14.38
4709.00	21.10	6.9	30	4703.54	-29.18	-32.70	-43.69	16.31
4740.00	26.20	12.8	31	4731.93	-17.17	-20.48	-41.50	18.12
4772.00	28.80	20.9	32	4760.32	-3.45	-6.38	-37.18	14.22
4803.00	32.70	25.9	31	4786.96	10.53	8.14	-30.86	15.03
4834.00	37.30	24.8	31	4812.35	25.95	24.20	-23.26	14.98
4866.00	41.10	21.9	32	4837.14	43.84	42.77	-15.26	13.18
4897.00	44.60	18.8	31	4859.87	62.97	62.54	-7.95	13.18
4928.00	47.40	14.0	31	4881.41	83.80	83.92	-1.68	14.34
4959.00	49.80	9.3	31	4901.91	106.13	106.69	2.99	13.75
4989.00	52.70	5.5	30	4920.69	129.01	129.88	5.99	13.82
5021.00	55.80	1.2	32	4939.39	154.73	155.79	7.49	14.58
5052.00	59.30	358.5	31	4956.02	180.81	181.95	7.41	13.47
5083.00	64.40	358.6	31	4970.65	208.09	209.26	6.72	16.45
5114.00	68.70	358.0	31	4982.98	236.49	237.68	5.87	13.98
5145.00	69.30	357.5	31	4994.09	265.41	266.60	4.73	2.45
5177.00	69.30	357.6	32	5005.40	295.33	296.51	3.46	0.29
5252.00	77.60	1.2	75	5026.75	366.97	368.32	2.75	11.98
5283.00	82.20	1.1	31	5032.19	397.34	398.83	3.36	14.84
5313.00	86.70	0.0	30	5035.09	427.07	428.67	3.65	15.44
5342.00	90.30	359.2	29	5035.85	455.98	457.66	3.45	12.72
5372.00	91.20	355.4	30	5035.45	485.96	487.62	2.03	13.02
5403.00	90.70	352.9	31	5034.94	516.95	518.45	-1.12	8.22
5433.00	91.00	355.4	30	5034.49	546.93	548.29	-4.18	8.39
5463.00	91.10	356.6	30	5033.94	576.93	578.21	-6.27	4.01
5493.00	90.20	353.7	30	5033.60	606.92	608.10	-8.81	10.12

SCIENTIFIC DRILLING INTERNATIONAL INC.

Client : AMOCO PRODUCTION COMPANY
Well Name : FLORENCE H37R
Location : SAN JUAN COUNTY, NEW MEXICO
SHL : SEC.6,T30N,R8W
PBHL :

Date 1/22/1995
Filename : H37R

ACTUAL BHL :
Height Of WELLSITE Datum Above Field Datum : 0.00 ft
No Interpolation

Plane of Vertical Section : 355.5°
Latitude & Departure relate to : WELLSITE CENTRE
Vertical Section Originates at : WELLSITE CENTRE
Slot Coordinates : Lat 0.000ft
: Dep 0.000ft
Directions Referenced To : TRUE NORTH
Depth at Drill Floor : 0.00 ft
Calculation Method : MINIMUM CURVATURE

Casing Points
NO DATA

Points of Interest
NO DATA

Magnetic Declination : +11.59°
WELLSITE North : +0° 0' 0'' (T)
Grid convergence : +0.0000°

COMPLETION REPORT

SCIENTIFIC DRILLING INTERNATIONAL INC.

CASPER, WYOMING

AMOCO PRODUCTION COMPANY

Well Name	: FLORENCE H37R
Location	: SAN JUAN COUNTY, NEW MEXICO
SHL	: SEC.6,T30N,R8W
PBHL	:
ACTUAL BHL	:
Date Surveyed	: 1/22/1995
Job No.	: 41EWW1294145
Survey Performed By	: DEE BAILEY

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Dee Bailey*..... COMPANY REPRESENTATIVE