

BOYD & McWILLIAMS ENERGY GROUP, INC.
8080 N. CENTRAL EXPRESSWAY SUITE 750
DALLAS, TEXAS 75206

RECEIVED
1998 JUN -3 A 10:25
FEDERAL BUREAU OF LAND MANAGEMENT
ROSWELL OFFICE

June 2, 1998

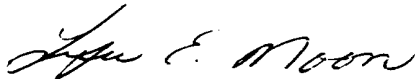
Mr. Peter Chester
United States Department of the Interior
Bureau of Land Management
2909 West 2nd
Roswell, New Mexico 88201-2019

Re: Federal 22 No. 1
NM 17226A
Sec. 22-T13S-R30E
Chaves Co., New Mexico

Dear Mr. Chester,

I have enclosed a copy of the Survey which was run to determine bottom hole locations on the above referenced well. I hope this will complete your file. If you should have any questions, please give me a call at 214-891-8866.

Sincerely,



Lynne E. Moon
Engineering Technician

SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

BOYD & MCWILLIAMS ENERGY GROUP, INC.

RECORDED
JUN 1 1998

Well Name : DIG/FEDERAL #22-1
County : CHAVES COUNTY, NEW MEXICO
SHL :
BHL :
Date Surveyed : 3 JANUARY 1998
Job Number : 32K0198003
Surveyor : GARY DESPAIN

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

.......... COMPANY REPRESENTATIVE

SCIENTIFIC DRILLING INTERNATIONAL

Client : BOYD & MCWILLIAMS ENERGY GROUP, INC.
Well Name : DIG/FEDERAL #22-2
County : CHAVES COUNTY, NEW MEXICO
SHL :
BHL :

Page 1 of 3
Date 3 JANUARY 1998
Filename : FDRL22-2

Height Of WELLSITE Datum Above Field Datum 0.00 ft

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
0.0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100.0	0.10	S48.42°E	100.00	-0.06	0.07	0.00	0.1
200.0	0.14	S68.84°E	200.00	-0.16	0.24	0.29	0.1
300.0	0.07	N24.68°W	300.00	-0.15	0.33	0.35	0.2
400.0	0.14	N12.90°E	400.00	0.03	0.33	0.24	0.1
500.0	0.18	N 7.26°E	500.00	0.30	0.38	0.00	0.0
600.0	0.09	N 2.98°W	600.00	0.54	0.40	0.00	0.1
700.0	0.21	N78.45°W	700.00	0.65	0.21	-0.26	0.2
800.0	0.08	N56.29°W	800.00	0.73	-0.02	-0.49	0.1
900.0	0.07	N67.55°W	900.00	0.79	-0.14	-0.61	0.0
1000.0	0.16	S16.62°E	1000.00	0.68	-0.15	-0.56	0.2
1100.0	0.24	S57.75°E	1100.00	0.43	0.06	-0.23	0.2
1200.0	0.27	S77.58°E	1200.00	0.27	0.47	0.19	0.1
1300.0	0.26	S76.99°E	1299.99	0.17	0.92	0.60	0.0
1400.0	0.27	S68.27°E	1399.99	0.03	1.36	1.02	0.0
1500.0	0.30	S62.32°E	1499.99	-0.18	1.81	1.50	0.0
1600.0	0.19	N88.84°E	1599.99	-0.30	2.21	1.88	0.2
1700.0	0.18	N71.61°E	1699.99	-0.24	2.52	2.09	0.1
1800.0	0.05	S78.90°E	1799.99	-0.20	2.72	2.21	0.1
1900.0	0.14	N38.62°E	1899.99	-0.12	2.83	2.24	0.1
2000.0	0.22	N33.20°W	1999.99	0.14	2.81	2.05	0.2
2100.0	0.23	N46.00°W	2099.99	0.44	2.56	1.67	0.1
2200.0	0.20	N31.84°W	2199.99	0.73	2.32	1.30	0.1
2300.0	0.28	N67.78°W	2299.99	0.97	2.00	0.91	0.2
2400.0	0.13	N49.11°W	2399.99	1.13	1.69	0.56	0.2
2500.0	0.32	N73.00°W	2499.99	1.29	1.34	0.19	0.2
2600.0	0.19	S81.73°W	2599.99	1.35	0.91	-0.18	0.2
2700.0	0.27	N74.03°W	2699.99	1.39	0.52	-0.50	0.1
2800.0	0.34	N81.99°W	2799.98	1.50	-0.01	-0.97	0.1
2900.0	0.13	N73.16°W	2899.98	1.57	-0.41	-1.32	0.2
3000.0	0.24	S89.27°W	2999.98	1.60	-0.73	-1.59	0.1
3100.0	0.21	N79.34°W	3099.98	1.63	-1.12	-1.90	0.1
3200.0	0.28	S86.72°W	3199.98	1.65	-1.54	-2.24	0.1
3300.0	0.16	S70.15°W	3299.98	1.59	-1.91	-2.49	0.1
3400.0	0.26	S84.94°W	3399.98	1.52	-2.27	-2.72	0.1
3500.0	0.21	S68.58°W	3499.98	1.44	-2.67	-2.96	0.1
3600.0	0.27	N77.92°W	3599.98	1.42	-3.07	-3.26	0.1
3700.0	0.24	S88.07°W	3699.98	1.46	-3.51	-3.62	0.1
3800.0	0.22	S88.31°W	3799.98	1.45	-3.91	-3.92	0.0
3900.0	0.10	S67.20°W	3899.98	1.41	-4.18	-4.10	0.1

SCIENTIFIC DRILLING INTERNATIONAL

Client : BOYD & MCWILLIAMS ENERGY GROUP, INC.
 Well Name : DIG/FEDERAL #22-2
 County : CHAVES COUNTY, NEW MEXICO
 SHL :
 BHL :
 :

Page 2 of 3
 Date 3 JANUARY 1998
 Filename : FDRL22-2

No Interpolation

Height Of WELLSITE Datum Above Field Datum 0.00 ft

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
4000.0	0.17	S49.97°E	3999.98	1.28	-4.15	-4.00	0.2
4100.0	0.20	S22.51°E	4099.98	1.02	-3.97	-3.69	0.1
4200.0	0.31	S 4.75°E	4199.97	0.59	-3.88	-3.35	0.1
4300.0	0.31	S 6.42°E	4299.97	0.05	-3.83	-2.96	0.0
4400.0	0.38	S12.71°E	4399.97	-0.54	-3.72	-2.50	0.1
4500.0	0.48	S27.37°E	4499.97	-1.24	-3.46	-1.85	0.1
4600.0	0.42	S36.60°E	4599.96	-1.90	-3.05	-1.10	0.1
4700.0	0.79	S40.08°E	4699.96	-2.72	-2.38	0.00	0.4
4800.0	1.09	S46.69°E	4799.94	-3.90	-1.25	1.56	0.3
4900.0	1.09	S50.86°E	4899.93	-5.16	0.18	3.46	0.1
5000.0	0.83	S32.28°E	4999.91	-6.37	1.31	5.11	0.4
5100.0	0.71	S25.27°E	5099.90	-7.54	1.96	6.36	0.2
5200.0	0.63	S30.53°E	5199.90	-8.58	2.50	7.44	0.1
5300.0	0.47	S 9.36°E	5299.89	-9.45	2.85	8.27	0.3
5400.0	0.56	S27.45°E	5399.89	-10.29	3.14	9.04	0.2
5500.0	0.35	S10.17°E	5499.89	-11.03	3.42	9.72	0.2
5600.0	0.37	S25.90°E	5599.88	-11.62	3.61	10.25	0.1
5700.0	0.29	S 7.29°W	5699.88	-12.16	3.72	10.69	0.2
5800.0	0.41	S25.76°E	5799.88	-12.73	3.84	11.15	0.2
5900.0	0.29	S17.27°E	5899.88	-13.30	4.08	11.69	0.1
6000.0	0.24	S18.48°E	5999.88	-13.74	4.22	12.08	0.0
6100.0	0.48	S49.74°E	6099.88	-14.21	4.60	12.68	0.3
6200.0	0.38	S62.14°E	6199.87	-14.63	5.22	13.42	0.1
6300.0	0.72	S81.44°E	6299.87	-14.88	6.13	14.28	0.4
6400.0	1.22	N83.76°E	6399.85	-14.86	7.81	15.55	0.6
6500.0	1.36	N84.83°E	6499.83	-14.63	10.05	17.12	0.1
6600.0	1.37	N85.25°E	6599.80	-14.43	12.42	18.80	0.0
6700.0	1.35	N82.05°E	6699.77	-14.17	14.78	20.43	0.1
6800.0	1.43	N81.24°E	6799.74	-13.81	17.18	22.04	0.1
6900.0	1.54	N80.04°E	6899.71	-13.39	19.74	23.72	0.1
7000.0	1.62	N84.99°E	6999.67	-13.04	22.47	25.58	0.2
7100.0	1.58	S88.74°E	7099.63	-12.94	25.26	27.65	0.2
7200.0	1.65	S85.72°E	7199.59	-13.08	28.07	29.89	0.1
7300.0	1.54	S85.89°E	7299.55	-13.28	30.85	32.14	0.1
7400.0	1.41	S84.39°E	7399.52	-13.50	33.41	34.24	0.1
7500.0	1.28	S87.10°E	7499.49	-13.68	35.75	36.14	0.1
7600.0	1.11	S89.10°E	7599.47	-13.75	37.83	37.78	0.2
7700.0	0.95	N89.47°E	7699.46	-13.76	39.63	39.16	0.2
7800.0	0.90	N86.30°E	7799.44	-13.70	41.24	40.35	0.1
7900.0	0.60	S84.34°E	7899.43	-13.70	42.55	41.35	0.3

SCIENTIFIC DRILLING INTERNATIONAL

Client : BOYD & MCWILLIAMS ENERGY GROUP, INC.
 Well Name : DIG/FEDERAL #22-2
 County : CHAVES COUNTY, NEW MEXICO
 SHL :
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Page 3 of 3
 Date 3 JANUARY 1998
 Filename : FDRL22-2

No Interpolation

Height Of WELLSITE Datum Above Field Datum 0.00 ft

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
8000.0	0.62	S73.75°E	7999.43	-13.90	43.59	42.28	0.1
8100.0	0.43	S89.28°E	8099.42	-14.06	44.48	43.06	0.2
8200.0	0.32	S47.75°E	8199.42	-14.25	45.07	43.63	0.3
8300.0	4.23	S47.79°E	8299.32	-16.92	48.01	47.60	3.9
8400.0	6.77	S47.74°E	8398.85	-23.36	55.10	57.17	2.5
8500.0	8.26	S47.17°E	8497.99	-32.21	64.73	70.24	1.5
8600.0	7.93	S45.16°E	8597.00	-41.96	74.89	84.29	0.4
8700.0	6.87	S45.07°E	8696.16	-51.04	84.02	97.13	1.1
8800.0	6.34	S41.30°E	8795.50	-59.42	91.90	108.55	0.7
8900.0	4.68	S47.41°E	8895.03	-66.33	98.54	118.08	1.8
9000.0	2.59	S45.80°E	8994.83	-70.66	103.17	124.42	2.1
9100.0	1.71	S41.06°E	9094.75	-73.36	105.77	128.14	0.9
9200.0	0.63	S20.48°E	9194.73	-75.00	106.94	130.10	1.1
9300.0	0.47	N65.35°W	9294.73	-75.35	106.76	130.18	1.0
9400.0	0.80	N76.50°W	9394.72	-75.01	105.71	129.16	0.4
9500.0	0.86	S86.55°W	9494.71	-74.89	104.28	128.00	0.3
9600.0	1.29	S61.11°W	9594.70	-75.48	102.55	127.05	0.6
9700.0	2.67	S40.49°W	9694.64	-77.80	100.05	126.63	1.5
9800.0	1.69	S48.42°W	9794.56	-80.55	97.43	126.41	1.0
9847.0	1.54	S55.85°W	9841.54	-81.36	96.39	126.14	0.5

Origin of Bottom Hole Closure WELLSITE CENTRE
 Bottom Hole Closure 126 ft S49.83°E



SCIENTIFIC DRILLING INTERNATIONAL
FOR
AMBIT ENERGY CORP.
FEDERAL 822-2
IN
CHAYES COUNTY, NEW MEXICO

