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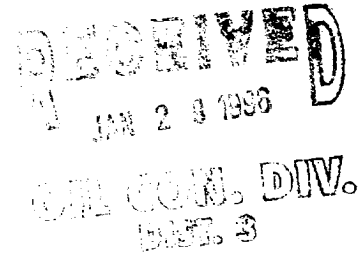
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

January 19, 1996

Amoco Production Company
P. O. Box 800
Denver, Colorado 80201

Attention: J. W. Hawkins



AMENDED Administrative Order DD-121(NSBHL)

Dear Mr. Hawkins:

By Division Administrative Order DD-121, dated October 16, 1995, authorization was given Amoco Production Company ("Amoco") to directionally drill its Holmberg Gas Com Well No. 1-R from a standard surface gas well location, being 960 feet from the North line and 1710 feet from the East line (Lot 1/Unit B) of Section 28, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico, to a standard bottom-hole gas well location in the Blanco-Mesaverde Pool within a drilling window or "producing area" in the NE/4 equivalent of said Section 28 that is no closer than 790 feet to the quarter section lines.

Reference is now made to your letter with attachments dated December 22, 1995, whereby an amendment should be issued in this order to accurately reflect the actual bottom-hole location of this wellbore.

The Division Director Finds That:

- (1) This application was originally approved under the provisions of General Rule 111.D and Rule 2(c) of the "*General Rules For The Prorated Gas Pools of New Mexico/Special Rules and Regulations For The Blanco-Mesaverde Pool*";;
- (2) This amendment has been duly filed under the provisions of Division General Rules 111.D and 111.E and said Special Rule 2(c); and,
- (3) Amoco owns all affected offsetting 320-acre tracts to the captioned well, no notification was therefore required.

IT IS THEREFORE ORDERED THAT:

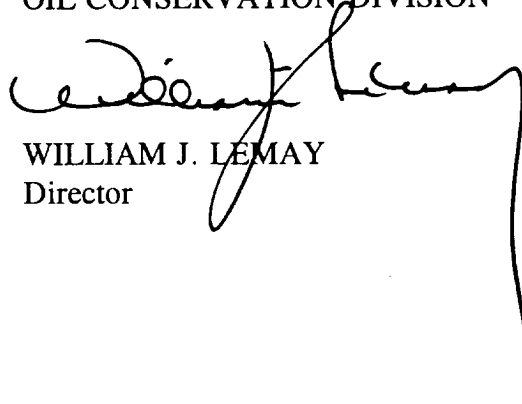
(1) Division Administrative Order DD-121 is hereby amended to properly reflect the actual bottomhole location for said Holmberg Gas Com Well No. 1-R within the Blanco-Mesaverde Pool to be, more or less, 2142 feet from the North line and 718 feet from the East line (Unit H) of Section 28, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico.

(2) All other provisions of said Order DD-121, dated October 16, 1995, not in conflict with this change shall remain in full force and effect until further notice.

(3) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

WJL/MES/kv

cc: Oil Conservation Division - Aztec ✓
U. S. Bureau of Land Management - Farmington
File: Case 11,274
DD-121



December 22, 1995

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
Santa Fe, NM 87505

Southern

Rockies

Business

Unit

Application for Unorthodox Location
Holmberg Gas Com #1R Well
E/2 Section 28-T32N-R10W
Blanco Mesaverde Pool
San Juan County, New Mexico

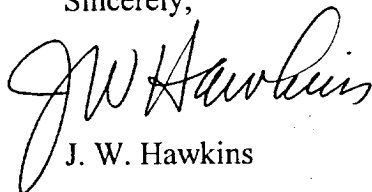
Amoco Production Company hereby requests administrative approval for an unorthodox location for the Holmberg Gas Com #1R well. This well was recently drilled as a high angle / horizontal well in the Blanco Mesaverde Pool as approved under NMOCD Administrative Order DD-121. The Holmberg Gas Com #1 well was drilled from a surface location of 960' FNL and 1710' FEL of Section 28, T32N-R10W to a bottomhole location of 2142' FNL and 718' FEL. The Project Area for this well is the Blanco Mesaverde gas proration unit consisting of E/2 Section 28, T32N-R10W with the Producing Area for the well to consist of a drilling window inside the NE/4 of Section 28 that is no closer than 790' to the quarter section lines. Since the bottom portion of the wellbore is closer than 790' to the quarter section lines, approval for the unorthodox location is required.

To aid in your review are:

- 1) a plat showing the well location, project area and producing area for the project well and the offset spacing units, their wells and operators;
- 2) a form C-102 showing surface and bottomhole locations of the well;
- 3) a direction survey for the wellbore.

Amoco is the only affected offset operator, therefore, no additional notice will be required.

Sincerely,

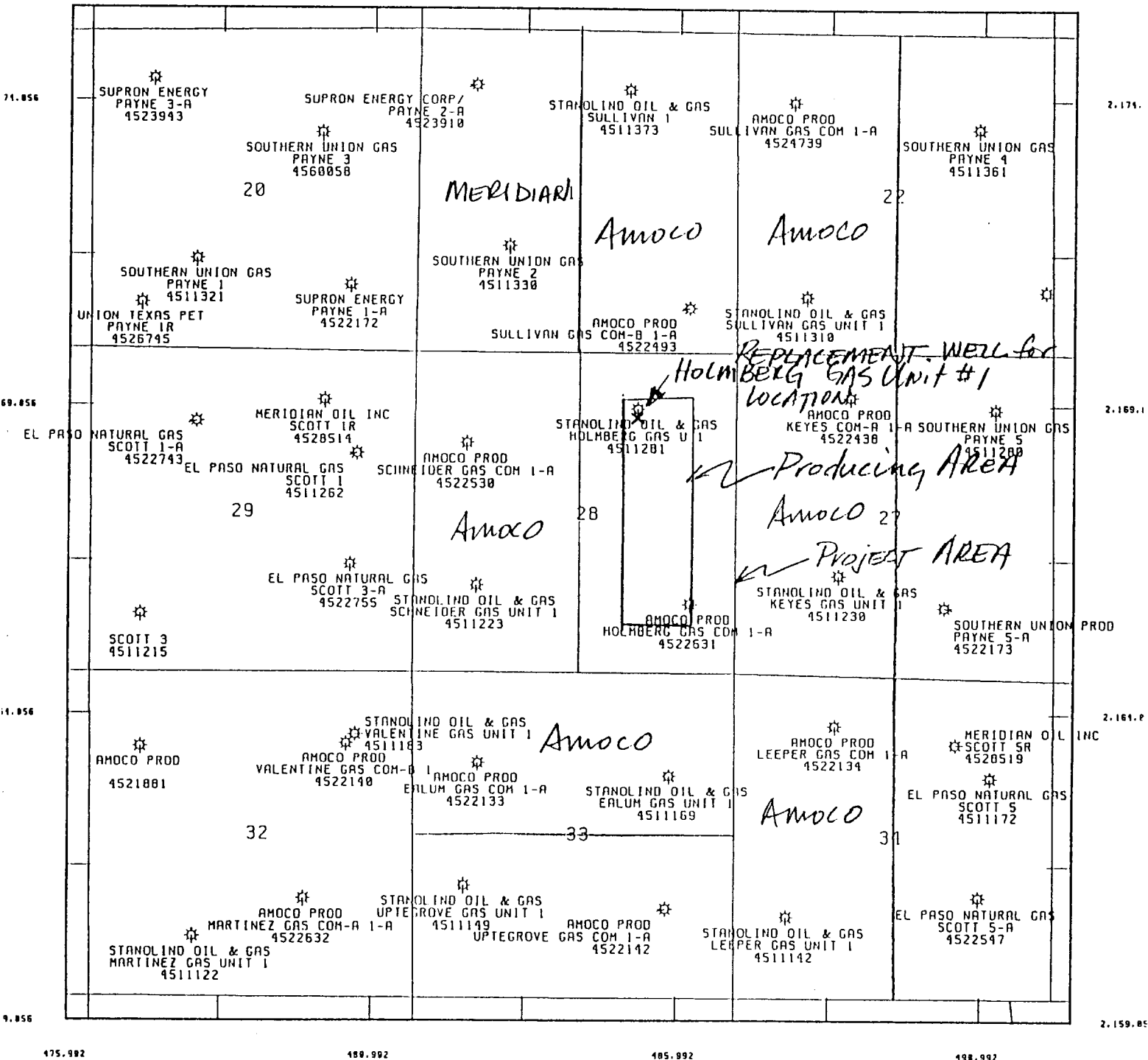

J. W. Hawkins

cc: Jack St. John
Patty Haelele

Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

RECEIVED
DEC 26 1995

OIL CON. DIV.
DIST. 3



AMOCO E&P SECTOR		
SOUTHERN ROCKIES BUSINESS UNIT		
SAN JUAN BASIN		
T32N-R10W		
1:24000	N. LAMBERT	1-SEP-95

1:24000
 STATUTE MILES 0 .2 STATUTE MILES
 KILOMETERS 0 .5 KILOMETERS

District I
PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29299		2 Pool Code 72319		3 Pool Name Blanco Mesaverde		
4 Property Code		5 Property Name Holmberg Gas Com			6 Well Number 1R	
7 OGRID No. 000778		8 Operator Name Amoco Production Company			9 Elevation 6043'	

10 Surface Location

UL or lot no. B	Section 28	Township 32N	Range 10W	Lot Idn	Feet from the 960	North/South line North	Feet from the 1710	East/West line East	County San Juan
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11 Bottom Hole Location If Different From Surface

UL or lot no. H	Section 28	Township 32N	Range 10W	Lot Idn	Feet from the 2142	North/South line North	Feet from the 718	East/West line East	County San Juan
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12 Dedicated Acres 319.51	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Patty Haefele</u> Patty Haefele Printed Name Staff Assistant Title 12/22/95 Date	
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 9/7/95 Date of Survey Signature and Seal of Professional Surveyer: 7016 Certificate Number					

Holmberg Gas Unit #1-R
com

AMOCO PRODUCTION COMPANY
SEC.28-T32N-R10W

1A
SLOT #1
SAN JUAN COUNTY
NEW MEXICO

SURVEY LISTING

by
Baker Hughes Inteq

Your ref : MWD Survey
Our ref : svy3507
License : HOLMBERG GAS UNIT

Date printed : 13-Nov-95
Date created : 8-Nov-95
Last revised : 13-Nov-95

Field is centred on n36 50 0.000,w107 30 0
Structure is centred on n36 57 38.012,w107 50 24

Slot location is n36 57 28.519,w107 50 45.068
Slot Grid coordinates are N 2167951.046, E 496342.302
Slot local coordinates are 960.00 S 1710.00 W
Reference North is True North

AMOCO PRODUCTION COMPANY
SEC.28-T32N-R10W, # 1A
SAN JUAN COUNTY, NEW MEXICO

SURVEY LISTING Page 1
Your ref : MWD Survey
Last revised : 13-Nov-95

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	RECTANGULAR COORDINATES			Dogleg Deg/100Ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00	
257.00	0.00	0.00	257.00	0.00 N	0.00 E	0.00	0.00	
638.00	1.00	71.70	637.98	1.04 N	3.16 E	0.26	1.01	
1161.00	1.00	106.70	1160.90	1.16 N	11.86 E	0.11	6.03	
1760.00	1.00	129.30	1759.82	3.65 S	20.91 E	0.06	15.24	
2107.00	0.25	71.70	2106.80	5.33 S	23.97 E	0.26	18.40	
2542.00	0.25	275.30	2541.79	4.94 S	23.93 E	0.11	18.06	
3011.00	1.50	336.70	3010.73	0.79 N	20.48 E	0.30	11.40	Last Single Shot Survey
3278.00	0.50	34.30	3277.70	4.96 N	19.76 E	0.49	7.60	
3308.00	0.63	102.90	3307.69	5.03 N	19.99 E	2.15	7.60	
3339.00	2.13	144.70	3338.68	4.53 N	20.49 E	5.52	8.38	
3369.00	4.38	150.40	3368.63	3.07 N	21.38 E	7.57	10.08	
3401.00	6.75	147.90	3400.48	0.42 N	22.98 E	7.44	13.17	
3431.00	9.06	147.30	3430.19	3.06 S	25.20 E	7.70	17.29	
3463.00	10.94	145.20	3461.71	7.68 S	28.29 E	5.98	22.84	
3494.00	13.38	145.40	3492.01	13.04 S	32.01 E	7.87	29.37	
3525.00	15.56	143.30	3522.02	19.33 S	36.53 E	7.23	37.11	
3556.00	17.63	143.90	3551.73	26.46 S	41.78 E	6.70	45.96	
3589.00	19.81	143.80	3582.98	35.01 S	48.03 E	6.61	56.55	
3620.00	21.44	142.60	3612.00	43.75 S	54.57 E	5.43	67.47	
3650.00	23.25	141.10	3639.74	52.72 S	61.62 E	6.32	78.87	
3681.00	24.56	140.80	3668.08	62.47 S	69.54 E	4.24	91.41	
3713.00	24.25	139.20	3697.22	72.60 S	78.03 E	2.28	104.60	
3744.00	25.44	136.90	3725.35	82.28 S	86.74 E	4.94	117.55	
3776.00	26.81	137.80	3754.08	92.64 S	96.29 E	4.46	131.55	
3806.00	27.56	141.80	3780.77	103.11 S	105.12 E	6.58	145.21	
3836.00	27.39	140.80	3807.39	113.91 S	113.78 E	1.64	159.03	
3868.00	25.26	143.90	3836.07	125.14 S	122.45 E	7.92	173.21	
3897.00	25.56	146.40	3862.27	135.35 S	129.56 E	3.84	185.65	
3929.00	26.94	147.90	3890.96	147.24 S	137.23 E	4.78	199.78	
3960.00	28.75	147.60	3918.38	159.48 S	144.96 E	5.86	214.23	
3991.00	30.94	147.40	3945.26	172.49 S	153.25 E	7.07	229.63	
4021.00	33.50	146.40	3970.64	185.89 S	161.99 E	8.72	245.60	
4053.00	36.19	144.60	3996.90	200.95 S	172.35 E	9.00	263.88	
4085.00	38.31	142.80	4022.37	216.55 S	183.82 E	7.45	283.24	
4117.00	40.06	142.60	4047.18	232.63 S	196.07 E	5.48	303.45	
4147.00	41.63	143.10	4069.87	248.27 S	207.92 E	5.34	323.07	
4179.00	42.69	143.80	4093.59	265.53 S	220.71 E	3.62	344.55	
4211.00	41.75	144.32	4117.29	282.94 S	233.33 E	3.13	366.05	
4242.00	42.50	143.80	4140.28	299.77 S	245.54 E	2.67	386.84	
4273.00	44.31	143.30	4162.80	316.90 S	258.19 E	5.94	408.14	
4305.00	43.81	142.40	4185.80	334.64 S	271.63 E	2.50	430.39	
4336.00	42.81	142.10	4208.35	351.45 S	284.65 E	3.29	451.64	
4368.00	43.81	142.30	4231.64	368.80 S	298.10 E	3.15	473.58	
4399.00	45.44	142.80	4253.70	386.09 S	311.34 E	5.38	495.35	
4431.00	44.81	142.20	4276.28	404.08 S	325.14 E	2.38	518.02	
4463.00	43.81	141.60	4299.18	421.67 S	338.94 E	3.39	540.36	
4493.00	44.56	141.60	4320.69	438.05 S	351.92 E	2.50	561.25	
4526.00	43.69	140.70	4344.38	455.95 S	366.34 E	3.25	584.20	
4558.00	42.50	139.70	4367.74	472.74 S	380.33 E	4.29	606.01	

All data is in feet unless otherwise stated
Coordinates from SLOT #1 and TVD from RKB (6054.00 Ft above mean sea level).
Vertical section is from wellhead on azimuth 144.00 degrees.
Declination is 11.71 degrees, Convergence is 0.00 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

*Holmberg Gas Unit #1-A*AMOCO PRODUCTION COMPANY
SEC. 20-T32N-R10W, # 1A
SAN JUAN COUNTY, NEW MEXICO

SURVEY LISTING Page 2

Your ref : HWD Survey

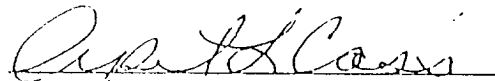
Last revised : 13-Nov-95

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	RECTANGULAR COORDINATES	Dogleg Deg/100ft	Vert Sect
4589.00	43.13	139.90	4390.48	488.84 S 393.93 E	2.08	627.02
4620.00	44.69	140.70	4412.02	505.38 S 407.66 E	5.34	648.48
4652.00	44.75	140.30	4435.56	522.75 S 421.98 E	0.90	670.95
4683.00	44.25	140.20	4457.66	539.46 S 435.87 E	1.63	692.63
4715.00	43.88	140.40	4480.66	556.58 S 450.09 E	1.24	714.84
4747.00	43.25	139.70	4503.85	573.49 S 464.25 E	2.48	736.04
4779.00	42.75	139.40	4527.25	590.10 S 478.41 E	1.69	758.60
4810.00	42.56	140.10	4550.05	606.13 S 491.98 E	1.65	779.55
4842.00	43.00	139.90	4573.54	622.78 S 505.95 E	1.44	801.23
4874.00	44.69	141.20	4596.61	639.89 S 520.03 E	5.98	823.35
4906.00	45.06	141.30	4619.29	657.50 S 534.16 E	1.18	845.90
4936.00	45.00	141.40	4640.49	674.08 S 547.42 E	0.31	867.11
4967.00	44.94	141.10	4662.42	691.16 S 561.13 E	0.71	888.99
4998.00	44.81	141.10	4684.39	708.19 S 574.87 E	0.42	910.83
5028.00	44.81	142.10	4705.68	724.76 S 588.00 E	2.35	931.96
5059.00	44.56	142.20	4727.72	741.97 S 601.38 E	0.84	953.74
5089.00	44.63	142.10	4749.08	758.60 S 614.30 E	0.33	974.80
5121.00	45.06	142.60	4771.77	776.47 S 628.08 E	1.74	997.35
5153.00	44.88	142.30	4794.41	794.40 S 641.87 E	0.87	1019.96
5183.00	44.38	142.20	4815.76	811.06 S 654.77 E	1.68	1041.03
5215.00	44.75	141.90	4838.56	828.77 S 668.58 E	1.33	1063.47
5246.00	45.50	142.40	4860.43	846.12 S 682.06 E	2.68	1085.42
5277.00	45.56	142.20	4882.14	863.62 S 695.59 E	0.50	1107.54
5308.00	45.63	141.70	4903.84	881.06 S 709.24 E	1.17	1129.67
5337.00	45.44	140.90	4924.15	897.21 S 722.18 E	2.07	1150.34
5429.00	44.69	139.40	4989.13	947.21 S 763.90 E	1.41	1215.32
5522.00	44.63	137.40	5055.20	996.09 S 807.30 E	1.51	1280.37
5615.00	44.13	136.70	5121.75	1043.70 S 851.62 E	0.75	1344.94
5708.00	43.56	135.30	5188.83	1090.04 S 896.36 E	1.21	1408.73
5805.00	43.06	133.80	5259.41	1136.72 S 943.77 E	1.18	1474.36
5850.00	42.89	133.34	5292.34	1157.86 S 966.00 E	0.79	1504.53 Projected Survey
5885.00	42.50	133.00	5318.17	1181.73 S 991.60 E	—	1521.86 Projected Survey

*These calculations are correct to the best of my knowledge.**Bradley D. Dwyer**Bradley D. Dwyer*
Amoco Production Company
*November 14, 1995*All data is in feet unless otherwise stated
Coordinates from SLOT #1 and TVD from RKB (6054.00 Ft above mean sea level).
Vertical section is from wellhead on azimuth 144.00 degrees.
Declination is 11.71 degrees, Convergence is 0.00 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes Inteq

STATE OF COLORADO)
CITY AND : ss.
COUNTY OF DENVER)

On this the 14th day of November, 19 95, the undersigned, personally appeared, Bradley D. Bilyeu, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he/she executed the same for the purposes therein contained. In witness whereof, I hereunto set my hand and official seal.


Notary Public

My Commission expires:

August 17, 1997

