

Chevron USA Production Co.
Monument 13 St. #17
Lea County, N.M.

Unit F

13-19s-36e

1912/N & 1732/W

STATE OF NEW MEXICO
DEVIATION REPORT

30-025-34243

BAL: 1968/N & 1659/W

258	3/4
725	0
1216	0
1720	0
2255	3/4
2570	1/2
3046	1
3545	1 1/2
4057	1
4555	1 1/2
5028	1
5517	3.9
5767	.7
5953	1.6
6428	6.6
6583	7-1/2
6804	7-1/2
6990	7-1/2
7180	7-1/4
7441	7-3/4

Ray Peterson

By: Ray Peterson

STATE OF TEXAS

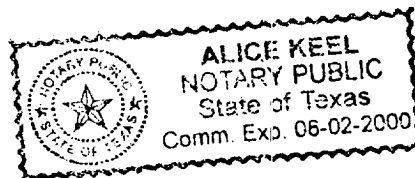
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me
this 9th day of February, 1998, by RAY PETERSON
on behalf of PETERSON DRILLING COMPANY

Alice Keel

Notary Public for Midland
County, Texas

My Commission Expires: 8/2/2000



Monument 13 #17

SUR: 1912N-1732W
F-13-195-36E

BAL: 1968/12/1659/12
30-025-34243

Chevron

Directional Survey Data

Version 2

233.1 Vertical Section Orientation

METHOD OF CALCULATION:

MINIMUM RADIUS OF CURVATURE

CORRECTION:

9.00

DATE	MEASURED DEPTH	ANGLE	DIRECTION AZIMUTH	WOB	RPM	BK IADC	BHA	TYD	VERTICAL SECTION	COORDINATES N or S	E or W	DOG LEG SEVERITY	REMARKS
2/1/98	5.864	0.70	176.4				.8 DIR MTR.	5.862.7	-70.2	N 15.8	E 75.9	0.60	
2/1/98	5.892	0.90	185.6	20	200			5.890.7	-70.0	N 15.4	E 75.9	0.85	DIRECTIONAL MTR.
2/1/98	5.922	1.30	203.3	20	200			5.920.7	-69.5	N 14.9	E 75.8	1.73	DIRECTIONAL MTR.
2/1/98	5.953	1.60	205.7	20	200			5.951.7	-68.8	N 14.2	E 75.4	0.99	DIRECTIONAL MTR.
2/1/98	5.985	1.70	205.7	25	200			5.983.7	-68.0	N 13.3	E 75.0	0.31	DIRECTIONAL MTR.
2/1/98	6.016	1.80	207.5	25	200			6.014.7	-67.2	N 12.5	E 74.6	0.37	DIRECTIONAL MTR.
2/1/98	6.047	2.20	211.6	25	200			6.045.6	-66.2	N 11.5	E 74.1	1.37	DIRECTIONAL MTR.
2/1/98	6.078	2.50	215.9	25	200			6.076.6	-65.0	N 10.5	E 73.4	1.12	DIRECTIONAL MTR.
2/1/98	6.111	2.80	221.4	25	200			6.109.6	-63.5	N 9.3	E 72.4	1.19	DIRECTIONAL MTR.
2/1/98	6.141	3.00	226.9	25	200			6.139.5	-62.0	N 8.2	E 71.3	1.14	DIRECTIONAL MTR.
2/1/98	6.172	3.60	235.6	25	200			6.170.5	-60.2	N 7.1	E 69.9	2.52	DIRECTIONAL MTR.
2/1/98	6.204	3.80	241.0	25	200			6.202.4	-58.2	N 6.0	E 68.2	1.25	DIRECTIONAL MTR.
2/1/98	6.235	4.10	242.3	25	200			6.233.4	-56.0	N 5.0	E 66.3	1.01	DIRECTIONAL MTR.
2/1/98	6.265	4.60	243.8	25	200			6.263.3	-53.8	N 4.0	E 64.3	1.71	DIRECTIONAL MTR.
2/1/98	6.297	5.50	243.7	25	200			6.295.1	-51.0	N 2.7	E 61.8	2.81	DIRECTIONAL MTR.
2/1/98	6.328	6.10	243.6	25	200			6.326.0	-48.0	N 1.4	E 58.9	1.94	DIRECTIONAL MTR.
2/1/98	6.358	6.20	243.8	25	200			6.353.8	-44.8	80.1	E 56.1	0.34	DIRECTIONAL MTR.
2/1/98	6.389	6.60	243.4	25	200			6.386.6	-41.4	81.6	E 53.0	1.30	DIRECTIONAL MTR.
2/3/98	6.583	7.50	243.0	55	60			6.579.1	-18.0	812.3	E 31.7	0.46	
2/3/98	6.804	7.50	245.0	55	60			6.798.3	10.4	825.0	E 5.8	0.12	
2/3/98	6.990	7.50	247.0	55	60			6.982.7	34.0	834.9	W 16.4	0.14	
2/4/98	7.180	7.75	249.0	55	60			7.171.0	58.4	844.3	W 39.7	0.19	
2/4/98	7.441	7.75	254.0	55	60			7.429.6	91.8	855.5	W 73.1	0.26	
FIELD	MON, ABO	LEASE	MON 13-17	WELL #	Page	1 OF ONE							