

Chevron USA Inc.
Monument 23 St. #19
Lea Co., NM

STATE OF NEW MEXICO
DEVIATION REPORT

247	1-1/2
545	1/2
778	1/4
1,221	3/4
1,672	3/4
2,149	1/2
2,622	1-1/2
3,107	2-3/4
3,352	3-3/4
3,606	4-1/4
3,829	4-3/4
4,029	5-1/2
4,216	6-1/2
4,297	6.3
4,329	6.3
4,682	6.4554
4,714	6.4560
4,805	6.5
4,837	6.3
5,282	6
5,756	5
6,045	5
6,516	5
6,992	4-3/4
7,467	3

Unit M
SUR 753/S & 637/W
23-195-36e
30-025-34323

BHL 483/S & 872/W

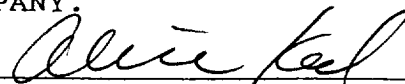


By: Ray Peterson

STATE OF TEXAS

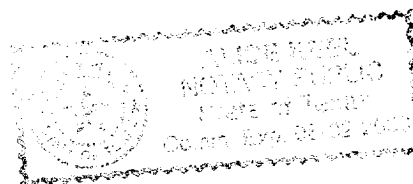
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me
this 20th day of April, 1998, by RAY PETERSON
on behalf of PETERSON DRILLING COMPANY.



Notary Public for Midland
County, Texas

My Commission Expires: 8/2/2000



Chevron
Monument 23 St #19

Directional Survey Data

Version 2

179.7 Vertical Section Orientation

METHOD OF CALCULATION:

MINIMUM RADIUS OF CURVATURE

CORRECTION:

9.00

DATE	MEASURED DEPTH	ANGLE	DIRECTION AZIMUTH	WOB	RPM	Bit IADC	BHA	TVD	VERTICAL SECTION	COORDINATES		DOG LEG SEVERITY	REMARKS
										N or S	E or W		
	0	0.00	0.0					0.0	0.0	N 0.00	E 0.00	0.00	
4/1/98	247	0.50	20.0	ALL	80	527	SLICK	247.0	-1.0	N 1.01	E 0.37	0.20	
4/1/98	545	0.50	220.0	ALL	80	527	"	545.0	-1.2	N 1.24	W 0.02	0.33	
4/1/98	778	0.25	287.0	50	80	527	"	778.0	-0.6	N 0.61	W 1.16	0.20	
4/2/98	1,221	0.75	359.0	50	80	527	"	1,221.0	-3.8	N 3.79	W 2.14	0.16	
4/3/98	1,672	0.75	132.0	35	60	527	PACKED	1,672.0	-4.8	N 4.77	E 0.01	0.31	
4/3/98	2,149	0.50	74.0	35	60	527	PACKED	2,148.9	-3.2	N 3.25	E 4.33	0.14	
4/4/98	2,622	1.50	65.0	35	60	527	PACKED	2,621.9	-6.4	N 6.44	E 11.92	0.21	
4/4/98	3,107	2.75	103.0	50	60	527	PACKED	3,106.5	-6.3	N 6.50	E 29.01	0.38	
4/4/98	3,352	3.75	85.0	50	60	527	PACKED	3,351.1	-5.7	N 5.88	E 42.72	0.58	
4/5/98	3,606	4.25	108.0	40	60	527	PACKED	3,604.5	-3.4	N 3.69	E 59.95	0.66	
4/5/98	3,829	4.75	111.0	40	60	527	PACKED	3,826.9	2.6	S 2.17	E 76.43	0.25	
4/6/98	4,029	5.50	104.0	40	60	527	PACKED	4,026.1	7.9	S 7.46	E 93.46	0.49	
4/6/98	4,216	6.50	94.0	35	60	527	PACKED	4,212.0	11.0	S 10.36	E 112.71	0.77	
4/7/98	4,361	6.40	114.4	15/25	55/	627	DIR. MTR.	4,356.1	14.9	S 14.27	E 128.26	1.57	
	4,488	6.50	126.0		160			4,482.3	22.2	S 21.42	E 140.52	1.03	
	4,519	6.40	129.8					4,513.1	24.3	S 23.56	E 143.27	1.41	
	4,551	6.40	134.2					4,544.9	26.7	S 25.95	E 145.92	1.53	
	4,583	6.40	141.8					4,576.7	29.4	S 28.59	E 148.30	2.65	
	4,615	6.50	146.6					4,608.5	32.3	S 31.50	E 150.40	1.71	
	4,679	6.40	159.0					4,672.1	38.7	S 37.86	E 153.67	2.18	
4/8/97	4,742	6.70	170.4					4,734.7	45.6	S 44.76	E 155.54	2.11	
	4,805	6.50	179.2					4,797.3	52.8	S 51.95	E 156.21	1.63	
	4,837	6.30	180.1					4,829.1	56.3	S 55.52	E 156.23	0.70	
4/10/98	5,282	6.00	169.0	50	60	627	PACKED	5,271.6	103.6	S 102.77	E 160.63	0.28	
4/11/98	6,040	5.00	162.0					6,026.1	174.0	S 173.07	E 178.39	0.16	
4/12/98	6,516	5.00	152.0					6,500.3	212.1	S 211.12	E 194.54	0.18	

4/13/98	6,992	4.75	141.0					6,974.6	245.9	S 244.75	E 216.68	0.20	
4/14/98	7,467	3.00	150.0	50	60	627	30' PEND	7,448.5	272.0	S 270.80	E 235.28	0.39	
FIELD	MONUMENT ABO	LEASE	MONUMENT 23				WELL #	19	Page 1 OF TWO				