

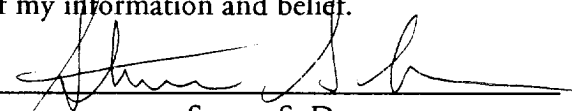
7-32-19N-3W

DIRECTIONAL SURVEY DATA

WELL NAME: <i>Rock Mesa No. 1</i>			LOCATION: <i>Sandoval</i>				RIG: <i>Walters #4</i>			
TARGET AZIMUTH (0-360 DEG):			<i>90.00</i> <i>New Mexico</i>							
MEASURED	HOLE	HOLE	TRUE	+NORTH	+EAST		TRUE		+BUILD	WALK
DEPTH	ANGLE	AZIMUTH	VERTICAL	-SOUTH	-WEST	CLOSURE	VERTICAL	DOGLEG	-DROP	RATE
(FT.)	(DEG)	(0-360D)	DEPTH	(FT.)	(FT.)	(FT.)	SECTION	SEVERITY	RATE	+R/-L
			(FT.)				(FT.)	(D/100')	(D/100')	(D/100')
0	0.00	00.0	0.0	0.00	0.00	0.00	0.0	N/A	N/A	N/A
502	0.25	240	502.0	-0.55	-0.95	1.10	-0.9	0.00	0.05	47.81
993	0.75	298	993.0	0.43	-4.71	4.73	-4.7	0.13	0.10	11.81
1700	1.00	227	1699.9	-1.61	-13.31	13.41	-13.3	0.15	0.04	-10.04
2300	1.50	50	2299.9	-0.13	-11.12	11.13	-11.1	0.42	0.08	-29.50
2786	3.00	111	2785.5	-0.60	5.62	5.66	5.6	0.54	0.31	12.55
3001	4.00	109	3000.1	-5.06	17.97	18.67	18.0	0.47	0.47	-0.93
3093	3.25	108	3091.9	-6.91	23.48	24.48	23.5	0.82	-0.82	-1.09
3155	3.25	109	3153.8	-8.02	26.81	27.99	26.8	0.00	0.00	1.61
3218	3.50	100	3216.7	-8.94	30.40	31.68	30.4	0.93	0.40	-14.29
3279	3.25	106	3277.6	-9.74	33.89	35.26	33.9	0.71	-0.41	9.84
3341	3.25	100	3339.5	-10.53	37.31	38.77	37.3	0.55	0.00	-9.68
3403	3.25	99	3401.4	-11.11	40.78	42.27	40.8	0.00	0.00	-1.61
3464	4.50	100	3462.3	-11.80	44.84	46.37	44.8	2.05	2.05	1.64
3526	5.00	99	3524.1	-12.64	49.91	51.48	49.9	0.82	0.81	-1.61
3587	5.00	96	3584.8	-13.33	55.18	56.77	55.2	0.43	0.00	-4.92
3650	6.00	103	3647.6	-14.36	61.12	62.78	61.1	1.91	1.59	11.11
3719	6.40	110	3716.1	-16.49	68.24	70.21	68.2	1.24	0.58	10.14
3774	6.75	113	3770.8	-18.80	74.10	76.45	74.1	0.89	0.64	5.45
3899	6.50	116	3895.0	-24.77	87.22	90.67	87.2	0.34	-0.20	2.40
3961	6.75	119	3956.5	-28.08	93.56	97.68	93.6	0.69	0.40	4.84

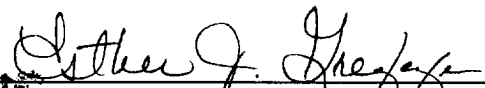
State of New Mexico)
) ss
 County of San Juan)

I, Steven S. Dunn, being first duly sworn, depose and state that the above and foregoing depth and hole deviation figures are true and correct to the best of my information and belief.


 Steven S. Dunn

Subscribed and sworn before me this 21st day of April, 1993.

RECEIVED
 APR 22 1993
 OIL CON COM
 DIST


 Notary Public - New Mexico

My Commission Expires:
August 7, 1994