

Directional Survey Data

Monument 14 State 2

Target: 7489' TVD 344.82' S 265.49 W

Version 2.01

217.15 Vertical Section Orientation

METHOD OF CALCULATION:

MINIMUM RADIUS OF CURVATURE

CORRECTION:

9.00

DATE	MEASURED DEPTH	ANGLE	DIRECTION		RPM	Br IADC	BHA	TVD	VERTICAL SECTION	COORDINATES		DOG LEG SEVERITY	REMARKS
			AZIMUTH	WOB						N or S	E or W		
	4,575	1.9	118				MOTOR	4,574	-39	S 8	E 76	0.00	
	4,594	2.0	147				MOTOR	4,593	-39	S 9	E 77	5.17	
	4,609	2.1	157				MOTOR	4,608	-39	S 9	E 77	2.52	
	4,626	2.4	165				MOTOR	4,625	-39	S 10	E 77	2.62	
	4,641	2.7	172				MOTOR	4,640	-38	S 11	E 77	2.84	
	4,657	3.1	177				MOTOR	4,656	-38	S 11	E 77	2.94	
	4,673	3.4	180				MOTOR	4,672	-37	S 12	E 77	2.23	
	4,689	3.9	185				MOTOR	4,688	-36	S 13	E 77	3.58	
	4,704	4.2	187				MOTOR	4,702	-35	S 14	E 77	2.34	
	4,721	4.6	189				MOTOR	4,719	-34	S 16	E 77	2.47	
	4,736	5.0	193				MOTOR	4,734	-33	S 17	E 77	3.27	
	4,752	5.4	195				MOTOR	4,750	-32	S 18	E 77	2.82	
	4,784	5.8	199				MOTOR	4,782	-29	S 21	E 76	1.88	
	4,816	6.4	203				MOTOR	4,814	-25	S 24	E 74	2.26	
	4,847	6.7	205				MOTOR	4,845	-22	S 28	E 73	1.24	
	4,879	7.2	208				MOTOR	4,877	-18	S 31	E 71	1.85	
	4,911	7.9	211				MOTOR	4,908	-14	S 35	E 69	2.47	
	4,942	8.7	213				MOTOR	4,939	-10	S 39	E 67	2.74	
	5,004	9.9	214				MOTOR	5,000	0	S 47	E 61	1.96	
	5,037	9.9	215				MOTOR	5,033	6	S 52	E 58	0.68	
	5,069	9.8	216				MOTOR	5,064	12	S 56	E 55	0.71	
	5,101	9.8	218				MOTOR	5,096	17	S 60	E 52	0.85	
	5,132	10.2	220				MOTOR	5,126	22	S 65	E 48	1.86	
	5,197	10.8	223				MOTOR	5,190	34	S 73	E 40	1.21	
	5,228	10.7	224				MOTOR	5,221	40	S 78	E 36	0.79	
	5,259	10.5	224				MOTOR	5,251	46	S 82	E 32	0.77	
	5,291	10.6	226				MOTOR	5,283	51	S 86	E 28	1.35	
	5,323	10.7	230				MOTOR	5,314	57	S 90	E 24	2.22	
	5,365	10.7	230				MOTOR	5,355	65	S 95	E 18	0.00	
	5,494	10.8	240				PACKED	5,482	88	S 109	W 2	1.48	
	5,690	10.2	242				PACKED	5,675	120	S 126	W 33	0.34	
	5,873	9.8	239				PACKED	5,855	149	S 142	W 60	0.38	
	6,064	9.0	238				PACKED	6,043	178	S 158	W 87	0.40	
	6,112	8.9	238				MOTOR	6,091	185	S 162	W 93	0.23	
3/31/1999	6,242	9.1	234				MOTOR	6,219	204	S 173	W 110	0.49	
3/31/1999	6,338	11.0	233				MOTOR	6,314	221	S 183	W 124	2.00	
3/31/1999	6,401	10.4	231				MOTOR	6,376	232	S 190	W 133	1.09	
3/31/1999	6,443	10.4	231				MOTOR	6,417	239	S 195	W 139	0.00	
3/31/1999	6,496	10.6	225				MOTOR	6,469	249	S 201	W 146	2.23	
3/31/1999	6,558	10.3	223				MOTOR	6,530	260	S 209	W 154	0.67	
3/31/1999	6,621	10.2	220				MOTOR	6,592	271	S 218	W 161	1.00	
3/31/1999	6,651	10.3	219				MOTOR	6,622	276	S 222	W 164	0.63	
3/31/1999	6,684	10.5	222				MOTOR	6,654	282	S 227	W 168	1.75	
4/1/1999	6,725	11.0	223				PACKED	6,694	290	S 232	W 173	1.36	
4/2/1999	6,918	10.5	224				PACKED	6,884	326	S 258	W 198	0.28	
4/2/1999	7,109	10.5	229				PACKED	7,072	360	S 282	W 223	0.48	
4/2/1999	7,235	10.5	229				PACKED	7,196	382	S 297	W 241	0.00	
4/3/1999	7,425	10.5	229				PACKED	7,382	416	S 320	W 267	0.00	
4/3/1999	7,489	10.0	229				PACKED	7,445	427	S 328	W 276	0.78	

SUR: J-14-19s-36e
 BHL: J-14-19s-36e
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2227/s ϕ 2005/E
 1899/s ϕ 2282/E