

ANALYST: R. COLDEWEY

5-MAR-85 17:39:26

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DEPT. OF GEOLOGY
& MINERAL RESOURCES



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* SCHLUMBERGER                      *  
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HIGH RESOLUTION DIPMETER - CLUSTER LISTING

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22-52
FIELD : ST. LOUIS
COUNTY : MARION
STATE : OREGON
COUNTRY : USA
REFERENCE: 0000011020
LOGGED : 19-FEB-85

ANALYST: R. COLDEWEY

5-MAR-85 17:39:26

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*   SCHLUMBERGER                     *  
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HIGH RESOLUTION DIPMETER - CLUSTER LISTING

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22
FIELD : ST. LOUIS
COUNTY : MARION
STATE : OREGON
COUNTRY : USA
REFERENCE: 0000011020
LOGGED : 19-FEB-85

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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CORRELATION PARAMETERS :

COR.	INT.	COR.	STEP	SEARCH	ANG	NB OF	DIP
FT		%			DEG		
4.0		50.0		30.0		2	

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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FILE : 1

FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	QUALITY		
		AZIMUTH		AZIMUTH	1-3	2-4	INDEX		
FT	DEG	DEG	DEG	DEG	IN	IN	(BEST=A)		

2106.00	1.8	271	1.4	20	8.1	7.7	A		
2108.00	.5	282	1.4	23	7.8	7.7	A		
2110.00	4.0	37	1.3	28	7.7	7.7	A		
2112.00	4.5	40	1.3	29	7.8	7.7	A		
2114.00	2.4	355	1.3	30	7.9	7.7	A		
2116.00	2.0	345	1.3	29	8.1	7.7	A		
2118.00	2.6	58	1.3	26	8.5	7.7	A		
2120.00	1.6	6	1.3	28	8.4	7.7	A		
2122.00	1.6	330	1.4	34	8.1	7.7	A		
2124.00	2.4	284	1.4	26	8.0	7.7	A		
2126.00	5.0	284	1.4	21	7.8	7.7	A		
2128.00	3.3	328	1.3	23	7.8	7.7	A		
2130.00	5.0	301	1.3	19	7.8	7.7	C		
2132.00	.7	325	1.3	18	7.8	7.7	A		
2134.00	.3	335	1.3	20	7.8	7.7	A		
2136.00	.8	206	1.3	21	7.8	7.7	A		
2138.00	1.0	174	1.3	24	7.8	7.7	A		
2140.00	1.9	188	1.3	22	7.8	7.7	A		
2142.00	5.0	190	1.3	16	7.8	7.7	A		
2144.00	5.7	172	1.4	16	7.8	7.7	A		
2146.00	5.3	169	1.4	17	7.9	7.7	A		
2148.00	5.5	166	1.4	16	7.7	7.7	A		
2150.00	24.0	123	1.4	14	7.7	7.7	D		
2152.00	2.7	120	1.4	14	7.7	7.7	A		
2154.00	1.7	108	1.4	15	7.7	7.7	A		
2156.00	2.4	147	1.4	14	7.8	7.7	A		
2158.00	2.5	179	1.4	13	7.8	7.7	A		
2160.00	2.4	197	1.4	24	7.8	7.7	A		
2162.00	4.2	101	1.4	23	7.9	7.7	A		
2164.00	2.5	99	1.3	16	7.8	7.7	A		
2166.00	1.6	30	1.3	17	7.8	7.7	A		
2168.00	1.9	357	1.3	17	7.8	7.7	A		
2170.00	1.5	311	1.4	18	7.8	7.7	A		
2172.00	1.8	292	1.4	18	7.8	7.7	A		
2174.00	2.5	276	1.3	16	7.8	7.7	A		
2176.00	2.3	305	1.3	12	7.7	7.7	A		
2178.00	1.9	280	1.4	14	7.7	7.7	A		
2180.00	1.2	249	1.4	17	7.7	7.7	A		
2182.00	1.2	235	1.3	16	7.7	7.7	A		
2184.00	1.7	95	1.3	17	7.7	7.7	A		
2186.00	2.1	55	1.3	20	7.7	7.7	A		
2188.00	2.3	42	1.3	21	7.7	7.7	A		

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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FILE : 1

FORMATION		BOREHOLE						QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

2190.00*	2.0*	47*	1.3*	22*	7.7*	7.7*	A		
2192.00*	2.8*	333*	1.3*	16*	7.7*	7.7*	A		
2194.00*	5.4*	319*	1.3*	15*	7.6*	7.7*	A		
2196.00*	32.7*	193*	1.3*	22*	7.7*	7.7*			
2198.00*	11.5*	269*	1.3*	19*	7.7*	7.7*	C		
2200.00*	26.3*	309*	1.3*	13*	7.7*	7.7*			
2202.00*	2.5*	175*	1.3*	12*	7.7*	7.7*	A		
2204.00*	2.8*	191*	1.3*	16*	7.7*	7.7*	A		
2206.00*	5.8*	317*	1.3*	14*	7.6*	7.7*	A		
2208.00*	6.9*	315*	1.3*	13*	7.6*	7.7*	A		
2210.00*	2.6*	272*	1.3*	23*	7.7*	7.8*	A		
2212.00*	1.3*	197*	1.3*	26*	7.8*	7.9*	C		
2214.00*	3.0*	171*	1.4*	25*	8.0*	8.9*	C		
2216.00*	*	*	1.4*	21*	8.1*	9.3*			
2218.00*	21.8*	276*	1.4*	12*	7.9*	8.4*			
2220.00*	19.3*	230*	1.4*	11*	7.9*	8.2*			
2222.00*	20.5*	23*	1.4*	18*	7.9*	8.2*			
2224.00*	7.2*	78*	1.4*	21*	7.9*	8.0*			
2226.00*	67.5*	249*	1.4*	18*	7.9*	8.1*			
2228.00*	15.2*	252*	1.4*	16*	7.8*	8.1*			
2230.00*	6.2*	16*	1.4*	16*	7.7*	7.8*			
2232.00*	17.7*	291*	1.4*	19*	7.7*	7.7*			
2234.00*	20.1*	196*	1.4*	28*	7.8*	7.6*			
2236.00*	26.1*	347*	1.4*	27*	7.8*	7.6*			
2238.00*	11.8*	159*	1.4*	23*	7.7*	7.9*	D		
2240.00*	19.7*	275*	1.4*	22*	8.2*	9.6*			
2242.00*	15.4*	328*	1.4*	23*	8.8*	10.5*			
2244.00*	26.0*	59*	1.4*	28*	8.3*	8.8*			
2246.00*	29.6*	224*	1.3*	28*	7.7*	7.7*	B		
2248.00*	28.1*	233*	1.3*	22*	7.7*	7.9*	D		
2250.00*	17.3*	350*	1.2*	22*	7.7*	9.4*			
2252.00*	3.6*	50*	1.2*	26*	7.4*	10.3*			
2254.00*	70.6*	239*	1.2*	24*	7.2*	9.5*			
2256.00*	52.5*	348*	1.3*	19*	7.2*	10.0*			
2258.00*	67.4*	309*	1.3*	17*	7.5*	10.4*			
2260.00*	58.1*	237*	1.4*	16*	7.8*	9.9*			
2262.00*	9.8*	172*	1.3*	21*	7.5*	9.6*			
2264.00*	7.1*	248*	1.3*	24*	7.5*	9.6*			
2266.00*	28.5*	234*	1.3*	20*	7.5*	9.6*			
2268.00*	57.4*	269*	1.3*	16*	7.6*	9.3*			
2270.00*	28.0*	172*	1.4*	22*	7.5*	9.1*			
2272.00*	66.9*	295*	1.4*	23*	7.5*	9.0*			

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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FILE : 1

* FORMATION *					* BOREHOLE *			* QUALITY *	
* -----									

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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FILE : 1

* FORMATION *		* BOREHOLE *		* QUALITY *					
DEPTH *	DIP *	DIP *	DEVIAT *	DEVIAT *	CALIPER *	CALIPER *	INDEX *		
	AZIMUTH *	AZIMUTH *			1-3 *	2-4 *	(BEST=A) *		
FT *	DEG *	DEG *	DEG *	DEG *	IN *	IN *			

2358.00*	14.6*	24*	1.5*	2*	7.7*	7.7*	D		
2360.00*	43.5*	351*	1.5*	0*	7.7*	7.7*			
2362.00*	*	*	1.5*	359*	7.6*	7.9*			
2364.00*	35.7*	169*	1.5*	2*	7.7*	7.8*			
2366.00*	41.8*	181*	1.5*	2*	7.7*	7.6*			
2368.00*	34.3*	116*	1.5*	1*	7.6*	7.6*			
2370.00*	58.7*	300*	1.5*	1*	7.5*	7.6*			
2372.00*	63.8*	270*	1.5*	2*	7.5*	7.5*			
2374.00*	16.9*	75*	1.5*	5*	7.4*	7.5*			
2376.00*	17.3*	169*	1.5*	5*	7.5*	7.5*			
2378.00*	71.5*	269*	1.6*	1*	7.6*	7.6*			
2380.00*	59.7*	254*	1.6*	1*	7.5*	7.7*			
2382.00*	25.6*	317*	1.5*	360*	7.5*	7.6*			
2384.00*	25.3*	223*	1.5*	359*	7.6*	7.6*			
2386.00*	41.7*	228*	1.5*	357*	7.5*	7.6*			
2388.00*	49.6*	202*	1.6*	354*	7.5*	7.6*			
2390.00*	11.1*	1*	1.6*	358*	7.5*	7.6*			
2392.00*	45.3*	125*	1.6*	1*	7.4*	7.5*			
2394.00*	25.3*	54*	1.5*	6*	7.2*	7.4*			
2396.00*	54.1*	94*	1.5*	9*	7.0*	7.4*			
2398.00*	55.6*	71*	1.5*	6*	6.9*	7.4*			
2400.00*	41.2*	0*	1.6*	2*	7.2*	7.5*			
2402.00*	65.2*	20*	1.6*	1*	7.6*	7.5*			
2404.00*	12.2*	337*	1.6*	1*	7.6*	7.5*			
2406.00*	51.3*	44*	1.7*	4*	7.6*	7.6*			
2408.00*	30.6*	253*	1.7*	8*	7.6*	7.6*			
2410.00*	26.6*	207*	1.7*	9*	7.6*	7.6*			
2412.00*	51.3*	203*	1.7*	7*	7.5*	7.5*			
2414.00*	52.6*	82*	1.7*	8*	7.4*	7.5*			
2416.00*	*	*	1.7*	8*	7.4*	7.5*			
2418.00*	11.4*	183*	1.7*	8*	7.5*	7.4*			
2420.00*	17.5*	207*	1.7*	11*	7.5*	7.5*	B		
2422.00*	16.5*	220*	1.7*	13*	7.6*	7.5*	D		
2424.00*	10.5*	261*	1.7*	12*	7.6*	7.5*			
2426.00*	8.1*	11*	1.6*	8*	7.6*	7.6*	D		
2428.00*	35.2*	344*	1.6*	8*	7.6*	7.4*			
2430.00*	11.7*	353*	1.6*	6*	7.6*	7.5*	D		
2432.00*	20.8*	204*	1.6*	4*	7.5*	7.6*	D		
2434.00*	45.9*	353*	1.6*	2*	7.5*	7.7*			
2436.00*	48.3*	346*	1.7*	1*	7.6*	7.7*			
2438.00*	26.5*	84*	1.7*	1*	7.7*	7.7*			
2440.00*	31.5*	250*	1.7*	2*	7.6*	7.6*			

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COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	QUALITY		
		AZIMUTH		AZIMUTH	1-3	2-4	INDEX		
FT	DEG	DEG	DEG	DEG	IN	IN	(BEST=A)		

524.00*	21.0*	160*	.2*	1*	7.5*	7.5*	D		
526.00*	24.5*	245*	.2*	358*	7.5*	7.4*			
528.00*	11.5*	355*	.2*	357*	7.5*	7.4*			
530.00*	10.8*	63*	.2*	2*	7.5*	7.4*	B		
532.00*	9.0*	59*	.2*	5*	7.5*	7.4*	B		
534.00*	16.2*	71*	.2*	4*	7.5*	7.5*	D		
536.00*	23.1*	166*	.2*	4*	7.5*	7.5*	D		
538.00*	5.7*	109*	.2*	1*	7.5*	7.6*	D		
540.00*	23.5*	303*	.2*	359*	7.5*	7.6*			
542.00*	11.8*	39*	.2*	2*	7.5*	7.6*	D		
544.00*	10.7*	137*	.2*	2*	7.5*	7.6*			
546.00*	31.8*	217*	.2*	355*	7.5*	7.6*			
548.00*	39.2*	26*	.2*	352*	7.5*	7.6*			
550.00*	34.1*	3*	.2*	350*	7.5*	7.5*			
552.00*	7.6*	79*	.2*	350*	7.5*	7.4*	A		
554.00*	5.4*	82*	.2*	351*	7.5*	7.4*	A		
556.00*	3.3*	156*	.2*	350*	7.5*	7.4*	A		
558.00*	40.2*	6*	.2*	347*	7.5*	7.4*			
560.00*	60.1*	216*	.2*	345*	7.5*	7.4*			
562.00*	6.1*	117*	.2*	338*	7.5*	7.4*	C		
564.00*	2.4*	152*	.2*	328*	7.5*	7.6*	A		
566.00*	3.1*	266*	.2*	319*	7.5*	7.6*	A		
568.00*	3.4*	211*	.2*	317*	7.5*	7.5*	B		
570.00*	4.5*	198*	.2*	320*	7.5*	7.5*	B		
572.00*	30.7*	281*	.2*	320*	7.5*	7.4*			
574.00*	7.7*	312*	.2*	317*	7.5*	7.3*	D		
576.00*	25.9*	14*	.2*	318*	7.5*	7.3*			
578.00*	21.1*	331*	.2*	325*	7.5*	7.3*			
580.00*	*	*	.2*	329*	7.4*	7.4*			
582.00*	19.9*	66*	.2*	329*	7.5*	7.5*			
584.00*	34.5*	2*	.2*	326*	7.5*	7.5*			
586.00*	1.7*	232*	.2*	325*	7.5*	7.5*	B		
588.00*	11.3*	143*	.2*	326*	7.6*	7.6*			
590.00*	13.7*	123*	.2*	326*	8.0*	8.0*			
592.00*	8.6*	186*	.2*	327*	7.9*	7.9*			
594.00*	4.0*	181*	.2*	329*	7.5*	7.6*			
596.00*	17.3*	39*	.2*	331*	7.5*	7.6*			
598.00*	13.7*	11*	.2*	332*	7.6*	7.6*			
600.00*	66.2*	178*	.2*	331*	7.6*	7.5*			
602.00*	51.8*	89*	.2*	330*	7.5*	7.5*			
604.00*	38.0*	165*	.2*	329*	7.4*	7.5*			
606.00*	7.5*	51*	.2*	326*	7.4*	7.5*			

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER " 13-22

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FORMATION					BOREHOLE			QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

608.00	8.2	201	.2	324	7.4	7.6			
610.00	22.6	135	.2	323	7.4	7.5			
612.00	7.5	71	.2	322	7.3	7.4	B		
614.00	7.8	70	.2	324	7.4	7.4	B		
616.00	19.7	13	.2	325	7.5	7.4			
618.00	13.1	56	.2	323	7.5	7.4	D		
620.00	9.0	50	.2	322	7.4	7.4	B		
622.00	16.7	52	.3	323	7.2	7.3	D		
624.00	26.1	247	.3	327	7.2	7.5			
626.00	39.4	327	.3	330	7.4	7.6			
628.00	3.4	354	.3	331	7.5	7.6			
630.00	47.2	354	.3	330	7.5	7.5			
632.00	7.7	293	.3	328	7.5	7.5			
634.00	28.5	137	.3	325	7.5	7.5	B		
636.00	29.6	138	.3	323	7.5	7.5	B		
638.00	34.4	18	.3	323	7.4	7.5			
640.00	13.8	89	.3	323	7.4	7.5			
642.00	41.5	227	.3	324	7.5	7.5			
644.00	32.5	78	.3	325	7.5	7.5			
646.00	37.7	255	.3	325	7.5	7.6			
648.00	6.0	185	.3	323	7.5	7.7			
650.00	24.8	59	.3	321	7.5	7.7			
652.00	45.7	308	.3	321	7.5	7.6			
654.00	7.7	171	.3	323	7.5	7.5			
656.00	21.8	102	.3	323	7.5	7.6			
658.00	46.3	309	.3	323	7.4	7.6			
660.00			.3	321	7.4	7.7			
662.00	51.1	150	.3	318	7.5	7.7			
664.00	17.9	6	.3	322	7.5	7.6			
666.00	23.5	137	.3	324	7.5	7.4			
668.00	17.2	168	.3	321	7.6	7.5			
670.00	23.0	174	.3	319	7.5	7.6			
672.00	14.5	66	.3	317	7.5	7.7			
674.00	4.9	77	.3	316	7.4	7.8	D		
676.00	2.7	356	.3	317	7.4	7.8	D		
678.00	4.6	301	.3	316	7.4	7.9	B		
680.00	7.7	281	.3	314	7.4	7.8	D		
682.00	6.7	267	.3	312	7.4	7.6	D		
684.00	20.0	302	.3	312	7.4	7.5	D		
686.00	1.5	173	.3	316	7.4	7.5	D		
688.00	4.3	299	.3	317	7.4	7.5	A		
690.00	1.3	169	.3	316	7.4	7.4	A		

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER " 13-22

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* FORMATION *					* BOREHOLE *				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	QUALITY		
		AZIMUTH		AZIMUTH	1-3	2-4	INDEX		
FT	DEG	DEG	DEG	DEG	LN	IN	(BEST=A)		

692.00	2.2	212	.3	316	7.4	7.5	A		
694.00	3.9	313	.3	318	7.3	7.6	A		
696.00	29.1	218	.3	318	7.3	7.5			
698.00	56.1	60	.3	315	7.4	7.5			
700.00	3.6	289	.3	314	7.4	7.6	A		
702.00	9.4	333	.2	312	8.1	8.5	A		
704.00	10.0	317	.2	310	8.4	8.8	A		
706.00	4.7	319	.2	310	7.8	8.3	C		
708.00	3.4	50	.2	310	7.6	8.1	A		
710.00	8.0	59	.2	309	7.8	8.0	C		
712.00	2.4	89	.2	309	7.9	8.1	A		
714.00	2.0	85	.2	309	7.7	8.2	A		
716.00	51.9	185	.2	309	7.5	8.1			
718.00	13.4	5	.2	311	7.4	8.2			
720.00	8.0	60	.2	311	7.5	8.2	C		
722.00	36.6	92	.3	312	7.6	8.1			
724.00	5.5	324	.3	312	7.6	7.9	A		
726.00	3.4	312	.3	311	7.6	7.9	A		
728.00	1.4	139	.2	310	7.5	7.9	A		
730.00	1.6	127	.2	311	7.5	7.9	A		
732.00	.9	256	.2	314	7.4	7.9	A		
734.00	3.2	233	.2	318	7.3	7.7	A		
736.00	3.6	233	.2	320	7.2	7.6	A		
738.00	1.8	159	.2	321	7.2	7.6	A		
740.00	4.5	122	.2	322	7.3	7.7	A		
742.00	5.7	3	.2	320	7.4	7.6	C		
744.00	6.5	37	.2	322	7.3	7.4	A		
746.00	4.7	43	.2	324	7.3	7.3	A		
748.00	7.3	50	.2	324	7.3	7.3	D		
750.00	8.7	83	.2	324	7.4	7.4	D		
752.00	3.8	56	.2	324	7.3	7.3	B		
754.00	5.7	344	.2	323	7.4	7.2	B		
756.00	22.0	191	.2	321	7.4	7.3			
758.00	7.6	171	.2	319	7.4	7.3			
760.00	11.3	182	.2	320	7.3	7.4			
762.00	2.5	45	.2	322	7.4	7.4	B		
764.00	3.6	338	.2	322	7.5	7.6	B		
766.00	3.6	353	.2	321	7.6	7.6	B		
768.00	3.8	13	.2	318	7.5	7.5			
770.00	51.9	57	.2	315	7.5	7.5	D		
772.00	2.9	97	.2	312	7.6	7.6			
774.00	16.7	62	.2	309	7.4	7.6			

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FORMATION		BOREHOLE						QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
		AZIMUTH		AZIMUTH	1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

776.00	9.4	259	.2	309	7.1	7.4			
778.00	13.7	277	.2	307	6.9	7.3			
780.00	53.6	50	.2	307	6.9	7.2	B		
782.00	7.9	8	.2	309	7.0	7.3			
784.00	5.9	157	.2	305	7.1	7.7			
786.00	16.5	264	.2	296	8.5	9.3			
788.00	26.7	12	.2	298	9.5	9.8			
790.00	20.8	298	.2	306	8.1	8.1			
792.00	45.5	357	.2	305	7.4	7.5			
794.00	18.8	213	.2	303	7.5	7.6			
796.00	12.9	196	.2	302	7.3	7.5			
798.00	15.0	105	.2	302	7.3	7.5			
800.00	12.2	43	.2	302	7.6	7.3			
802.00	*	*	.2	304	7.9	7.4			
804.00	75.6	200	.2	307	7.5	7.5			
806.00	65.3	138	.2	304	7.4	7.4			
808.00	75.0	100	.2	300	7.6	7.5			
810.00	7.1	287	.3	299	7.4	7.5	A		
812.00	6.8	333	.3	298	7.4	7.5	A		
814.00	5.5	29	.3	297	7.5	7.4	A		
816.00	3.0	152	.3	299	7.4	7.4	A		
818.00	3.5	130	.3	306	7.5	7.4	C		
820.00	.8	166	.3	311	7.6	7.4	C		
822.00	15.7	354	.3	310	7.9	7.6	C		
824.00	*	*	.3	309	8.4	7.8			
826.00	77.5	223	.3	308	8.5	7.9			
828.00	45.5	144	.3	307	8.3	7.8			
830.00	22.2	296	.3	306	8.3	7.5			
832.00	52.4	122	.3	307	8.3	7.5			
834.00	7.8	154	.3	310	8.5	7.6	D		
836.00	67.8	212	.3	312	8.6	7.9			
838.00	50.8	261	.3	314	8.5	7.7			
840.00	27.3	84	.3	313	8.4	7.5			
842.00	9.1	267	.3	310	8.3	7.5	D		
844.00	1.5	286	.3	307	8.3	7.5	B		
846.00	.7	312	.3	305	8.5	7.5	B		
848.00	4.6	313	.3	305	8.2	7.4			
850.00	32.1	170	.3	309	8.0	7.3			
852.00	35.9	153	.3	307	7.9	7.2			
854.00	38.1	89	.3	303	8.0	7.2			
856.00	54.8	293	.3	305	8.1	7.2			
858.00	44.0	320	.3	309	8.4	7.3			

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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX	QUALITY	
		AZIMUTH		AZIMUTH	1-3	2-4	(BEST=A)		
FT	DEC	DEG	DEG	DEG	IN	IN			

860.00	12.1	22	.3	309	8.6	7.4			
862.00	15.9	179	.3	309	8.6	7.5			
864.00	24.9	304	.3	311	8.6	7.5			
866.00	12.5	104	.3	311	8.7	7.7			
868.00			.3	309	8.4	7.7			
870.00	39.1	249	.3	301	7.9	7.7			
872.00	38.0	254	.3	295	7.7	7.8			
874.00	7.3	248	.3	289	7.5	7.5	B		
876.00	8.0	230	.3	281	7.2	7.1	B		
878.00			.2	278	7.8	7.1			
880.00	33.4	289	.2	288	8.8	7.4			
882.00			.2	302	8.6	7.5			
884.00	50.7	192	.2	302	8.0	7.4			
886.00	43.9	192	.2	298	7.7	7.4			
888.00			.3	296	7.6	7.4			
890.00	19.8	196	.3	297	7.6	7.4			
892.00	29.2	145	.3	299	7.6	7.5			
894.00	52.7	125	.3	299	7.6	7.5			
896.00	53.5	115	.3	299	7.6	7.5			
898.00	25.7	73	.3	297	7.5	7.6			
900.00	14.0	96	.3	296	7.4	7.7			
902.00	12.0	71	.3	293	7.2	7.8			
904.00	30.8	352	.3	294	7.2	7.9			
906.00	45.4	149	.3	299	7.5	7.9			
908.00			.3	302	8.0	8.0			
910.00	56.0	187	.2	302	8.7	9.3			
912.00	59.8	46	.2	300	9.1	9.6			
914.00	41.8	308	.2	303	9.3	8.3			
916.00	76.4	148	.2	311	8.8	8.1			
918.00	66.2	141	.3	306	8.3	8.3			
920.00	12.8	46	.3	302	7.8	8.0			
922.00	21.6	186	.3	303	7.4	7.7			
924.00	12.3	272	.2	308	7.4	7.8	D		
926.00	8.8	288	.2	312	7.3	7.9	B		
928.00	11.3	359	.2	310	7.3	8.0	D		
930.00	28.9	60	.2	310	7.2	8.1			
932.00	9.1	20	.3	307	7.2	8.1	D		
934.00	54.0	260	.3	305	7.2	8.1			
936.00	13.8	130	.3	304	7.2	8.4	B		
938.00	27.8	78	.3	307	7.3	8.7			
940.00	14.0	50	.3	311	7.3	8.9			
942.00	9.1	80	.3	316	7.3	8.7			

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FORMATION					BOREHOLE			QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH		AZIMUTH		1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

944.00	18.7	158	.3	315	7.4	8.4	D		
946.00	11.5	348	.3	313	7.7	8.4	B		
948.00	14.9	321	.3	309	7.8	8.4	B		
950.00	47.3	280	.3	305	7.7	8.1			
952.00	64.8	360	.3	306	7.8	7.9			
954.00	22.3	170	.3	310	7.7	7.9			
956.00	15.3	213	.3	321	7.8	8.2			
958.00	18.6	229	.3	327	7.6	8.1			
960.00	54.4	327	.3	318	7.4	7.7			
962.00	29.6	52	.3	316	7.1	7.6			
964.00	8.8	243	.3	316	7.0	7.7			
966.00	8.5	283	.3	316	7.0	7.7			
968.00	20.8	136	.3	314	7.1	7.7			
970.00	17.3	111	.3	310	7.2	7.6			
972.00	22.9	92	.3	307	7.2	7.4			
974.00	12.5	157	.3	304	7.2	7.3			
976.00	6.3	198	.3	300	7.4	7.3			
978.00	26.2	289	.3	303	7.6	7.6			
980.00	24.1	98	.3	309	7.6	7.7			
982.00	9.4	217	.3	312	7.5	7.7			
984.00	18.8	51	.3	311	7.4	7.6			
986.00	32.7	14	.3	301	7.3	7.6			
988.00	3.1	40	.3	299	7.3	7.6	D		
990.00	48.4	300	.2	304	7.3	7.7			
992.00	32.1	250	.2	301	7.2	7.8			
994.00	35.6	301	.2	301	7.3	7.8			
996.00	20.2	54	.2	311	7.3	7.5			
998.00	28.6	19	.2	318	7.2	7.3			
1000.00	25.4	43	.2	314	7.2	7.5			
1002.00	4.9	281	.2	309	7.4	7.7	B		
1004.00	3.0	274	.2	310	7.4	7.6	B		
1006.00	25.4	202	.2	313	7.5	7.5			
1008.00	6.4	62	.2	317	7.4	7.5	B		
1010.00	6.6	60	.2	320	7.2	7.2	B		
1012.00	7.6	161	.2	308	7.1	7.0			
1014.00	61.6	357	.2	294	7.3	7.2			
1016.00	70.5	18	.1	294	7.5	7.4			
1018.00	1.9	297	.1	296	7.5	7.4	D		
1020.00	27.8	263	.1	294	7.5	7.6			
1022.00	2.6	35	.1	292	7.5	7.7	D		
1024.00	10.6	64	.1	289	7.2	7.4	D		
1026.00	5.3	30	.1	286	7.0	7.1	D		

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FORMATION				BOREHOLE				QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1028.00*	3.7*	223*	.1*	285*	7.2*	7.1*	D		
1030.00*	2.8*	273*	.1*	297*	7.4*	7.3*	D		
1032.00*	4.7*	317*	.1*	309*	7.5*	7.4*	D		
1034.00*	73.8*	145*	0*	0*	7.6*	7.5*			
1036.00*	63.7*	75*	0*	0*	7.4*	7.3*			
1038.00*	7.8*	313*	0*	0*	7.2*	7.1*	D		
1040.00*	22.5*	109*	0*	0*	7.2*	7.2*			
1042.00*	6.0*	295*	0*	0*	7.4*	7.3*			
1044.00*	16.4*	17*	0*	0*	7.3*	7.3*			
1046.00*	2.4*	312*	0*	0*	7.3*	7.2*	B		
1048.00*	1.9*	264*	0*	0*	7.3*	7.1*	B		
1050.00*	42.1*	235*	0*	0*	7.3*	7.0*			
1052.00*	19.3*	54*	0*	0*	7.3*	7.2*			
1054.00*	8.2*	284*	0*	0*	7.1*	7.4*	D		
1056.00*	4.3*	29*	0*	0*	7.1*	7.4*	D		
1058.00*	21.0*	85*	0*	0*	7.2*	7.2*			
1060.00*	29.7*	227*	0*	0*	7.0*	7.0*			
1062.00*	27.0*	191*	0*	0*	6.9*	7.0*			
1064.00*	2.4*	160*	0*	0*	6.8*	7.1*	D		
1066.00*	6.5*	278*	0*	0*	6.9*	7.1*	B		
1068.00*	10.3*	16*	0*	0*	7.0*	7.2*	B		
1070.00*	11.5*	32*	0*	0*	7.6*	7.8*	D		
1072.00*	22.3*	136*	0*	0*	9.0*	8.5*	D		
1074.00*	21.7*	142*	.1*	291*	11.0*	10.3*	D		
1076.00*	14.6*	188*	.1*	292*	13.5*	11.8*			
1078.00*	25.6*	52*	0*	0*	13.3*	11.0*			
1080.00*	16.5*	157*	0*	0*	11.9*	10.5*	D		
1082.00*	7.9*	18*	0*	0*	10.8*	10.4*	D		
1084.00*	8.9*	359*	0*	0*	10.2*	10.8*	B		
1086.00*	32.4*	127*	0*	0*	10.5*	11.0*			
1088.00*	8.5*	153*	0*	0*	9.2*	10.2*	D		
1090.00*	27.1*	71*	0*	0*	8.0*	8.9*			
1092.00*	18.8*	69*	0*	0*	7.7*	7.8*			
1094.00*	5.2*	300*	0*	0*	7.6*	7.7*	D		
1096.00*	11.7*	267*	0*	0*	7.7*	7.7*	D		
1098.00*	8.6*	239*	0*	0*	8.0*	7.9*	B		
1100.00*	8.4*	242*	0*	0*	8.3*	8.3*	B		
1102.00*	10.0*	237*	0*	0*	8.2*	8.4*	D		
1104.00*	16.4*	71*	0*	0*	7.8*	8.0*			
1106.00*	23.9*	312*	0*	0*	7.5*	7.5*			
1108.00*	10.2*	346*	0*	0*	7.4*	7.3*	D		
1110.00*	23.2*	201*	0*	0*	7.5*	7.2*			

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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	QUALITY		
	AZIMUTH		AZIMUTH		1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1112.00	3.2	25	0	0	7.5	7.3	B		
1114.00	4.1	32	0	0	7.5	7.3	D		
1116.00	61.3	30	0	0	7.4	7.4			
1118.00			0	263	7.5	7.4			
1120.00	2.0	76	0	0	7.6	7.4	D		
1122.00	19.8	289	0	0	7.6	7.6			
1124.00	42.5	9	0	0	7.6	8.0			
1126.00	6.7	278	0	0	7.5	7.9	D		
1128.00	52.5	246	0	0	7.5	7.6			
1130.00	14.1	325	0	0	7.6	7.7			
1132.00	11.0	212	0	0	7.7	7.7			
1134.00	11.0	67	.1	273	7.8	8.0			
1136.00	34.2	117	.2	276	9.6	9.6			
1138.00	23.1	237	.1	271	11.1	10.6	B		
1140.00	22.0	236	0	0	10.0	9.8	D		
1142.00	18.4	240	0	0	8.7	8.5	D		
1144.00	3.5	323	0	0	8.1	7.6			
1146.00	53.7	320	0	0	8.0	7.5			
1148.00	19.4	1	0	0	7.9	7.5			
1150.00	27.1	309	0	0	7.9	7.5			
1152.00	3.8	344	0	0	8.0	7.7	D		
1154.00	1.2	93	0	0	8.1	8.0	D		
1156.00	67.4	248	.1	272	8.0	8.1			
1158.00	1.9	150	0	0	7.8	8.1	D		
1160.00	4.8	300	0	0	9.3	9.0	D		
1162.00	6.2	328	0	0	9.5	9.1	B		
1164.00	8.4	333	0	0	7.9	7.9	B		
1166.00	3.6	340	0	0	7.6	7.6	D		
1168.00	2.1	224	0	0	7.5	7.6			
1170.00	10.6	156	0	0	7.7	7.6			
1172.00	19.2	5	0	0	7.9	7.7	B		
1174.00	14.9	17	0	0	8.0	7.8	B		
1176.00	10.5	129	0	0	8.0	8.0			
1178.00	52.6	17	0	0	7.9	8.2			
1180.00	8.4	261	0	0	7.9	8.4			
1182.00	35.3	134	0	0	7.7	8.2			
1184.00	35.8	243	0	0	7.5	8.0			
1186.00	50.6	340	0	0	7.9	8.1			
1188.00	41.6	304	0	0	8.0	8.2			
1190.00	1.5	15	.1	251	7.8	8.2	D		
1192.00	2.7	261	0	0	7.8	8.1	D		
1194.00	2.6	220	0	0	8.0	8.2	B		

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FORMATION		BOREHOLE							
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX	QUALITY	
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1196.00	3.0	238	0	0	8.0	8.2	B		
1198.00	7.4	35	0	0	7.9	8.1	D		
1200.00	4.9	223	0	0	7.8	8.2	D		
1202.00	20.5	343	0	0	7.7	8.1			
1204.00	38.2	346	0	0	7.9	8.1			
1206.00	13.8	231	0	0	8.1	8.2	D		
1208.00	18.2	121	0	0	8.2	8.2	B		
1210.00	15.5	10	0	0	8.3	8.2			
1212.00	11.6	242	0	0	8.3	8.4			
1214.00	6.6	206	0	0	8.3	8.4			
1216.00	22.6	319	0	0	8.3	8.4			
1218.00	31.6	90	0	0	8.2	8.5			
1220.00	32.7	114	0	0	8.2	8.5			
1222.00	40.4	186	0	0	8.3	8.5			
1224.00	27.1	267	0	0	8.3	8.5			
1226.00	49.2	117	0	0	8.3	8.4			
1228.00	9.9	231	0	0	8.3	8.5			
1230.00	55.2	326	0	0	8.3	8.4			
1232.00	57.8	349	0	0	8.4	8.5			
1234.00	23.6	85	0	0	8.4	8.6			
1236.00	14.6	101	0	0	8.5	8.6			
1238.00	24.1	51	0	0	8.5	8.6			
1240.00	24.6	112	0	0	8.5	8.5			
1242.00	33.7	92	0	0	8.2	8.3			
1244.00	59.1	175	0	0	7.8	8.1			
1246.00	22.5	174	0	0	7.6	8.0			
1248.00	59.6	92	0	0	8.0	8.1			
1250.00	35.2	155	0	0	7.9	7.9	D		
1252.00	24.0	358	0	0	7.7	7.8			
1254.00	32.6	149	0	0	7.9	7.9	D		
1256.00	28.4	129	0	0	8.2	8.0			
1258.00			0	265	8.0	8.1			
1260.00	47.4	333	0	0	7.9	7.9			
1262.00	21.2	328	0	0	8.3	7.9			
1264.00	38.1	165	0	0	8.5	8.0	D		
1266.00	33.2	156	0	0	8.6	8.0	B		
1268.00	12.7	119	0	0	8.5	8.0			
1270.00	20.6	20	0	0	8.4	8.0	B		
1272.00	20.1	17	0	0	8.4	8.0	B		
1274.00	8.0	12	0	0	8.3	7.9			
1276.00	19.9	286	0	0	8.1	7.7			
1278.00	23.6	289	0	0	8.0	7.7			

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX	QUALITY	
		AZIMUTH		AZIMUTH	1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1280.00	27.4	26	0	0	8.2	7.9	D		
1282.00	35.6	81	0	0	8.2	8.0			
1284.00	22.3	272	0	0	8.1	7.8			
1286.00	46.9	79	0	0	8.1	7.6			
1288.00	15.3	188	0	0	8.0	7.7			
1290.00	16.4	329	0	0	7.8	7.8			
1292.00	54.0	308	0	0	7.9	7.9			
1294.00	9.9	343	0	0	8.0	8.0			
1296.00	17.2	51	0	0	8.0	7.9			
1298.00	10.9	232	0	0	8.0	7.8	B		
1300.00	13.1	251	0	0	8.0	7.8	D		
1302.00	29.8	24	0	0	7.8	7.7			
1304.00	7.5	353	0	0	7.8	7.7			
1306.00	64.7	17	0	0	7.8	7.7			
1308.00	68.1	239	0	0	7.8	7.6			
1310.00	40.0	309	0	0	7.7	7.7			
1312.00	26.8	126	0	0	7.7	7.7			
1314.00	13.9	54	0	0	7.7	7.7			
1316.00	25.1	130	0	0	7.8	7.7			
1318.00	4.9	270	0	0	7.8	7.6			
1320.00	10.1	306	0	0	7.7	7.7			
1322.00	34.2	185	0	0	7.6	7.8			
1324.00	19.1	206	0	0	7.5	7.7			
1326.00	18.4	113	0	0	7.7	7.6			
1328.00	10.3	104	0	0	7.7	7.5	D		
1330.00	13.7	115	0	0	7.6	7.5	D		
1332.00	30.7	77	0	0	7.5	7.5			
1334.00	15.1	84	0	0	7.6	7.7	D		
1336.00	54.5	109	0	0	7.5	7.7			
1338.00	49.4	328	0	0	7.5	7.6			
1340.00	22.7	346	0	0	7.6	7.6			
1342.00	20.3	330	0	0	7.6	7.8			
1344.00	15.1	76	0	0	7.8	7.8	D		
1346.00	24.5	168	0	0	7.7	7.7			
1348.00	24.4	171	0	0	7.7	7.7	B		
1350.00	58.4	350	0	0	7.6	7.8			
1352.00			0	249	7.4	7.9			
1354.00			0	245	7.5	8.0			
1356.00	16.2	101	0	0	7.7	8.2			
1358.00	24.3	101	0	0	7.7	8.2			
1360.00	39.2	47	0	0	7.6	8.1			
1362.00	13.3	290	0	0	7.7	8.0			

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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* FORMATION *		* BOREHOLE *						* QUALITY *	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1364.00*	29.6*	70*	0*	0*	7.8*	7.9*			
1366.00*	14.9*	334*	0*	0*	7.6*	7.8*			
1368.00*	54.0*	350*	0*	0*	7.5*	8.0*			
1370.00*	40.9*	61*	0*	0*	7.5*	8.0*			
1372.00*	22.5*	119*	0*	0*	7.6*	7.7*			
1374.00*	36.6*	127*	0*	0*	7.7*	7.6*			
1376.00*	43.2*	279*	0*	0*	7.7*	7.7*			
1378.00*	*	*	0*	248*	7.5*	7.6*			
1380.00*	26.6*	4*	0*	0*	7.6*	7.7*			
1382.00*	31.7*	358*	0*	0*	7.5*	7.8*			
1384.00*	12.3*	334*	0*	0*	7.5*	7.7*			
1386.00*	23.5*	67*	0*	0*	7.5*	7.6*			
1388.00*	20.0*	61*	0*	0*	7.6*	7.7*B			
1390.00*	11.7*	200*	0*	0*	7.6*	8.0*B			
1392.00*	15.0*	200*	0*	0*	7.6*	7.9*B			
1394.00*	27.5*	71*	0*	0*	7.6*	7.7*D			
1396.00*	29.5*	74*	0*	0*	7.6*	7.7*D			
1398.00*	3.2*	184*	0*	0*	7.6*	7.7*			
1400.00*	21.0*	175*	0*	0*	7.7*	7.8*			
1402.00*	21.8*	331*	0*	0*	7.7*	7.8*			
1404.00*	50.6*	339*	0*	0*	7.7*	7.8*			
1406.00*	35.4*	306*	0*	0*	7.8*	7.7*			
1408.00*	19.5*	182*	0*	0*	7.7*	7.7*B			
1410.00*	19.5*	179*	0*	0*	7.7*	7.8*B			
1412.00*	38.1*	131*	0*	0*	7.7*	7.8*			
1414.00*	35.7*	83*	0*	0*	7.7*	7.7*			
1416.00*	22.9*	261*	0*	0*	7.6*	7.7*			
1418.00*	7.4*	284*	0*	0*	7.7*	7.8*			
1420.00*	32.3*	78*	0*	0*	7.8*	7.8*			
1422.00*	19.8*	162*	0*	0*	7.6*	7.9*D			
1424.00*	21.6*	194*	0*	0*	7.6*	8.0*D			
1426.00*	25.3*	154*	0*	0*	7.6*	8.1*			
1428.00*	20.7*	187*	0*	0*	7.6*	8.0*			
1430.00*	9.7*	84*	0*	0*	7.7*	7.8*			
1432.00*	7.1*	111*	0*	0*	7.8*	7.8*			
1434.00*	24.8*	147*	0*	0*	7.7*	7.8*			
1436.00*	23.1*	184*	0*	0*	7.7*	7.9*			
1438.00*	56.4*	185*	0*	0*	7.8*	7.8*			
1440.00*	8.6*	141*	0*	0*	7.8*	8.0*			
1442.00*	16.5*	78*	0*	0*	7.8*	8.3*			
1444.00*	18.6*	50*	0*	0*	7.7*	8.2*B			
1446.00*	38.8*	88*	0*	0*	7.7*	7.8*			

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER " 13-22

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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	QUALITY		
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1448.00	43.0	7	0	0	7.8	7.7			
1450.00	39.9	237	0	0	7.9	7.6			
1452.00	49.7	337	0	0	7.8	7.7			
1454.00	13.3	331	0	0	7.8	7.7#D			
1456.00	13.1	334	0	0	7.8	7.7#D			
1458.00	10.0	90	0	0	7.7	7.6			
1460.00	42.7	98	0	0	7.7	7.6			
1462.00	18.0	338	0	0	7.7	7.7#D			
1464.00	46.2	288	0	0	7.6	7.8			
1466.00	44.7	279	0	0	7.7	7.8			
1468.00	27.4	260	0	0	7.8	7.7			
1470.00	26.9	316	0	0	7.7	7.7			
1472.00	19.8	272	0	0	7.6	7.7			
1474.00	23.3	94	0	0	7.6	7.7			
1476.00	9.9	14	0	0	7.7	7.7			
1478.00	6.3	156	0	0	7.6	7.7#D			
1480.00	12.2	135	0	0	7.5	7.6#D			
1482.00	24.9	12	0	0	7.6	7.6			
1484.00	6.3	21	0	0	7.6	7.6			
1486.00	7.1	103	0	0	7.6	7.6#B			
1488.00	6.5	101	0	0	7.6	7.6#B			
1490.00	28.7	48	0	0	7.6	7.7			
1492.00	18.8	168	0	0	7.6	7.7			
1494.00	18.2	233	0	0	7.7	7.7			
1496.00	39.0	231	0	0	7.7	7.6			
1498.00	28.9	285	0	0	7.7	7.6#B			
1500.00	29.0	278	0	0	7.7	7.6#B			
1502.00	16.5	90	0	0	7.7	7.6			
1504.00	55.2	299	0	0	7.7	7.6			
1506.00	34.0	197	0	0	7.6	7.5			
1508.00	40.7	62	0	0	7.6	7.5			
1510.00	44.0	54	0	0	7.7	7.5			
1512.00	*	*	0	7	7.5	7.5			
1514.00	29.3	298	0	0	7.5	7.5			
1516.00	32.0	311	0	0	7.6	7.5			
1518.00	34.8	5	0	0	7.5	7.5			
1520.00	39.9	107	0	0	7.5	7.6			
1522.00	41.1	338	0	0	7.5	7.6			
1524.00	12.6	301	0	0	7.5	7.6			
1526.00	12.9	315	0	0	7.5	7.5			
1528.00	28.5	86	0	0	7.5	7.5#D			
1530.00	30.7	90	0	0	7.6	7.6#D			

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FORMATION					BOREHOLE			QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH		AZIMUTH		1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1532.00	31.7	98	0	0	7.7	7.6	B		
1534.00	40.0	229	0	0	7.6	7.6			
1536.00	34.1	247	0	0	7.7	7.6			
1538.00	6.1	271	0	0	7.6	7.7	D		
1540.00	11.7	277	0	0	7.5	7.6	B		
1542.00	16.2	279	0	0	7.5	7.6	D		
1544.00	61.5	256	0	0	7.6	7.7			
1546.00	12.7	310	.1	336	7.7	7.6	D		
1548.00	39.0	331	.1	342	7.6	7.6	D		
1550.00	21.0	73	.2	341	7.5	7.7			
1552.00	29.7	42	.2	337	7.7	7.7			
1554.00			.2	337	7.8	7.7			
1556.00	30.1	10	.2	345	7.7	7.7			
1558.00	17.0	96	.2	353	7.7	7.7			
1560.00	36.1	219	.2	353	7.6	7.7			
1562.00	32.9	211	.2	352	7.6	7.6			
1564.00	24.7	10	.2	349	7.7	7.6			
1566.00	63.0	214	.3	346	7.7	7.7			
1568.00	52.1	202	.3	341	7.7	7.6			
1570.00	42.3	327	.3	334	7.6	7.6			
1572.00	31.6	274	.3	333	7.7	7.6			
1574.00	22.1	339	.3	331	7.7	7.7			
1576.00	38.8	127	.3	329	7.7	7.7			
1578.00	30.1	50	.3	331	7.7	7.7			
1580.00	10.3	297	.4	334	7.7	7.7			
1582.00	24.7	203	.4	341	7.6	7.6			
1584.00	10.3	233	.4	347	7.5	7.5			
1586.00	2.1	35	.4	350	7.7	7.5			
1588.00	8.1	31	.4	350	7.6	7.5	B		
1590.00	9.3	29	.4	345	7.5	7.5	B		
1592.00	11.5	10	.4	343	7.4	7.5	D		
1594.00	21.7	125	.4	344	7.5	7.4			
1596.00	26.1	109	.4	344	7.5	7.5			
1598.00	41.1	159	.4	344	7.5	7.6			
1600.00	66.6	187	.5	343	7.5	7.5			
1602.00	8.7	356	.5	340	7.5	7.5	D		
1604.00	36.7	342	.5	339	7.5	7.6			
1606.00	48.0	21	.5	339	7.5	7.5	D		
1608.00	45.2	16	.5	338	7.4	7.5			
1610.00	24.5	264	.5	339	7.4	7.6	D		
1612.00	23.6	263	.5	340	7.5	7.6	D		
1614.00	45.0	30	.5	343	7.5	7.6			

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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	QUALITY		
		AZIMUTH		AZIMUTH	1-3	2-4	INDEX		
FT	DEG	DEG	DEG	DEG	IN	IN	(BEST=A)		

*	*	*	*	*	*	*	*	*	*
1616.00	8.5	6	.5	345	7.4	7.5			
1618.00	21.7	276	.5	348	7.4	7.5	B		
1620.00	21.6	274	.5	349	7.4	7.5	D		
1622.00	51.5	256	.5	347	7.6	7.5			
1624.00	13.5	14	.4	345	7.7	7.5			
1626.00	10.9	39	.4	341	7.6	7.5			
1628.00	3.8	36	.5	342	7.5	7.6	B		
1630.00	5.0	31	.5	347	7.5	7.5	B		
1632.00	29.1	67	.5	350	7.6	7.5			
1634.00	5.4	28	.5	353	7.7	7.5	D		
1636.00	11.9	183	.5	354	7.7	7.5			
1638.00	27.7	91	.5	353	7.6	7.6			
1640.00	34.1	230	.5	351	7.6	7.6			
1642.00	25.6	130	.5	350	7.6	7.6			
1644.00	27.6	132	.5	351	7.6	7.6			
1646.00	14.4	163	.5	347	7.5	7.5			
1648.00	18.1	159	.5	344	7.4	7.6	D		
1650.00	18.3	150	.5	343	7.5	7.6	B		
1652.00	19.7	158	.5	346	7.6	7.5	D		
1654.00	17.0	195	.5	351	7.6	7.5	D		
1656.00	17.1	146	.5	350	7.6	7.5	D		
1658.00	13.1	184	.5	351	7.5	7.6	D		
1660.00	48.1	347	.5	354	7.5	7.6			
1662.00	33.1	218	.5	355	7.5	7.5			
1664.00	17.0	144	.5	355	7.5	7.6	D		
1666.00	47.3	28	.5	353	7.5	7.6			
1668.00	9.7	7	.5	351	7.5	7.5			
1670.00	19.0	70	.5	351	7.4	7.5			
1672.00	29.6	48	.5	352	7.4	7.5			
1674.00	37.5	168	.5	352	7.5	7.5			
1676.00	35.5	196	.5	350	7.5	7.5			
1678.00	6.4	191	.4	347	7.5	7.5			
1680.00	24.8	234	.4	345	7.5	7.5			
1682.00	13.8	175	.4	345	7.5	7.5			
1684.00	60.3	159	.4	344	7.6	7.6	D		
1686.00	27.2	10	.5	345	7.6	7.5			
1688.00	37.7	285	.5	346	7.5	7.5			
1690.00	45.9	245	.5	346	7.6	7.6			
1692.00	21.9	178	.5	347	7.6	7.6			
1694.00	30.3	354	.5	348	7.5	7.6			
1696.00	45.7	327	.5	348	7.5	7.5			
1698.00	48.0	25	.5	347	7.5	7.3			

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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIFER	CALIFER	QUALITY		
		AZIMUTH		AZIMUTH	1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1700.00	17.3	147	.5	343	7.6	7.2			
1702.00	23.7	261	.5	341	7.6	7.4			
1704.00	48.0	199	.5	340	7.5	7.3			
1706.00	66.2	118	.5	340	7.5	7.3			
1708.00	27.3	292	.4	342	7.5	7.3			
1710.00	10.1	234	.4	336	7.4	7.3			
1712.00	26.8	226	.3	330	7.4	7.3			
1714.00	15.6	25	.4	332	6.5	6.3			
1716.00	5.9	340	.4	337	5.1	5.0			
1718.00	68.0	246	.4	340	4.5	4.7			
1720.00	19.5	347	.4	335	4.7	5.0			
1722.00	15.9	78	.4	324	5.6	5.5			
1724.00	29.8	276	.4	320	6.1	5.8			
1726.00	5.0	234	.5	319	5.8	6.2			
1728.00	2.8	28	.5	318	5.7	6.6	D		
1730.00	2.4	317	.5	317	6.7	7.1	D		
1732.00	10.9	297	.5	315	7.3	7.4	D		
1734.00	18.1	33	.5	314	7.4	7.5	D		
1736.00	11.8	15	.6	316	7.4	7.5	D		
1738.00	11.5	10	.6	322	7.5	7.5	D		
1740.00	34.8	211	.6	325	7.5	7.6	D		
1742.00	34.8	208	.6	326	7.5	7.6	B		
1744.00	13.8	101	.6	328	7.6	7.6			
1746.00	17.1	286	.6	327	7.6	7.7	D		
1748.00	21.5	278	.6	325	7.6	7.6			
1750.00	52.4	321	.6	323	7.5	7.5			
1752.00	20.9	167	.6	329	7.3	7.2			
1754.00	69.0	219	.6	336	6.9	7.0			
1756.00	46.2	110	.7	336	7.0	7.2			
1758.00	23.4	109	.7	334	7.4	7.6			
1760.00	12.9	359	.7	335	7.4	7.5			
1762.00	28.6	341	.8	338	7.4	7.3			
1764.00	27.8	76	.8	339	7.4	7.2			
1766.00	38.8	29	.8	340	7.1	6.8			
1768.00	30.0	117	.8	340	6.8	6.6			
1770.00	31.8	267	.8	343	7.0	6.9	B		
1772.00	30.3	259	.8	346	7.5	7.2	B		
1774.00	13.0	306	.8	2	10.4	9.9			
1776.00	26.4	327	.8	7	15.0	14.1			
1778.00	66.7	329	.9	359	17.5	16.2			
1780.00	20.7	63	.9	8	15.5	14.5			
1782.00	22.6	243	.9	13	9.6	9.5			

COMPANY : OREGON NATURAL GAS DEV. CORP
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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX	QUALITY	
		AZIMUTH		AZIMUTH	1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1784.00	28.3	248	.9	11	6.7	6.9	D		
1786.00	16.3	354	.9	12	7.0	7.1			
1788.00	4.6	42	.9	6	7.6	7.5			
1790.00	6.4	25	1.0	360	8.0	8.0			
1792.00	11.3	258	1.0	359	7.9	8.0			
1794.00	13.6	203	1.0	357	7.8	7.9			
1796.00	5.6	159	1.0	355	7.8	7.8			
1798.00	31.8	146	1.0	356	7.8	7.8			
1800.00	20.7	216	1.0	355	7.7	7.7			
1802.00	74.8	66	1.0	355	7.6	7.7			
1804.00	35.3	220	1.1	358	7.6	7.7			
1806.00	36.8	234	1.1	1	7.6	7.7			
1808.00	54.4	171	1.1	0	7.7	7.7			
1810.00	5.9	270	1.1	2	7.8	7.7	D		
1812.00	35.7	191	1.2	5	7.7	7.7			
1814.00	13.3	313	1.2	4	7.7	7.7	D		
1816.00	5.5	54	1.2	4	7.7	7.7	D		
1818.00	15.1	64	1.3	5	7.7	7.8	D		
1820.00	14.7	53	1.3	4	7.8	7.8	B		
1822.00	8.1	213	1.3	1	7.7	7.8	D		
1824.00	2.5	94	1.3	359	7.7	7.7	B		
1826.00	3.1	161	1.3	359	7.7	7.8	B		
1828.00	5.7	349	1.3	0	7.7	7.8	D		
1830.00	1.3	13	1.3	359	7.7	7.8	B		
1832.00	.8	299	1.3	360	7.7	7.8	B		
1834.00	3.1	106	1.3	2	7.7	7.9	D		
1836.00	24.9	112	1.3	4	7.7	7.8			
1838.00	10.2	327	1.3	5	7.7	7.8	D		
1840.00	13.0	239	1.3	6	7.6	7.8			
1842.00	27.9	194	1.3	5	7.6	7.8			
1844.00	10.7	110	1.3	3	7.6	7.8	D		
1846.00	4.2	109	1.3	5	7.7	7.8	D		
1848.00	7.4	337	1.3	8	7.7	7.8	A		
1850.00	3.9	343	1.3	10	7.7	7.8	A		
1852.00	3.0	347	1.3	11	7.7	7.8	A		
1854.00	4.6	0	1.3	12	7.7	7.9	A		
1856.00	69.1	290	1.3	10	7.7	7.9			
1858.00	14.4	258	1.4	15	7.7	7.9			
1860.00	4.0	9	1.4	17	7.7	7.8	B		
1862.00	55.2	331	1.4	16	7.6	7.8	B		
1864.00	55.3	334	1.4	16	7.7	7.8	D		
1866.00	1.8	13	1.4	15	7.8	7.8	B		

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FORMATION		BOREHOLE						QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1868.00	2.0	42	1.4	15	7.7	7.8	B		
1870.00	.7	9	1.4	14	7.7	7.7	B		
1872.00	.5	359	1.4	14	7.7	7.7	B		
1874.00	54.5	262	1.4	15	7.8	7.7			
1876.00	8.0	50	1.4	13	7.8	7.7	D		
1878.00	18.8	259	1.4	13	7.8	7.7			
1880.00	1.0	272	1.4	15	7.8	7.7	B		
1882.00	1.0	113	1.4	16	7.7	7.7	B		
1884.00	2.4	197	1.4	15	7.7	7.7	B		
1886.00	11.9	50	1.4	15	7.6	7.7			
1888.00	13.4	57	1.4	17	7.6	7.7			
1890.00	19.2	285	1.5	17	7.6	7.7			
1892.00	19.0	284	1.4	16	7.6	7.7			
1894.00	35.0	17	1.4	16	7.7	7.7			
1896.00	31.3	197	1.5	19	7.7	7.7			
1898.00	32.6	232	1.5	21	7.7	7.7			
1900.00	23.7	248	1.5	18	7.7	7.7			
1902.00	16.5	277	1.5	16	7.7	7.7	B		
1904.00	21.2	190	1.5	16	7.7	7.7			
1906.00	8.0	249	1.5	12	7.7	7.7	D		
1908.00	5.1	261	1.5	9	7.7	7.7	B		
1910.00	16.4	168	1.5	9	7.7	7.7			
1912.00	55.2	224	1.5	11	7.8	7.7	D		
1914.00	58.9	227	1.5	8	7.8	7.8	B		
1916.00	20.3	202	1.5	10	7.7	7.7			
1918.00	21.0	308	1.5	15	7.7	7.6			
1920.00	64.8	107	1.5	17	7.7	7.7			
1922.00	9.0	137	1.5	17	7.7	7.7			
1924.00	1.3	323	1.6	17	7.7	7.7	D		
1926.00	4.1	314	1.6	17	7.7	7.7	D		
1928.00	37.7	68	1.6	16	7.7	7.7			
1930.00	34.3	58	1.6	16	7.7	7.7			
1932.00	18.4	196	1.6	14	7.7	7.7			
1934.00	14.4	159	1.6	12	7.7	7.7			
1936.00	7.3	267	1.6	11	7.7	7.7	D		
1938.00	4.0	310	1.6	10	7.7	7.7	D		
1940.00	2.8	333	1.6	11	7.7	7.7	D		
1942.00	19.1	276	1.6	12	7.7	7.7			
1944.00	46.4	355	1.6	13	7.7	7.7	D		
1946.00	33.5	110	1.6	16	7.7	7.6			
1948.00	29.7	231	1.6	17	7.7	7.6			
1950.00	61.4	52	1.6	15	7.7	7.6			

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FORMATION					BOREHOLE			QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH		AZIMUTH		1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

1952.00*	64.5*	87*	1.6*	14*	7.6*	7.6*			
1954.00*	22.8*	230*	1.6*	15*	7.7*	7.6*			
1956.00*	18.1*	206*	1.6*	17*	7.8*	7.7*			
1958.00*	43.2*	2*	1.6*	18*	7.8*	7.6*D			
1960.00*	55.4*	158*	1.6*	19*	7.8*	7.7*			
1962.00*	58.6*	63*	1.6*	19*	7.8*	7.7*			
1964.00*	23.5*	148*	1.6*	20*	7.8*	7.7*			
1966.00*	23.8*	58*	1.5*	27*	7.7*	7.6*D			
1968.00*	8.7*	89*	1.5*	28*	7.6*	7.6*D			
1970.00*	20.6*	211*	1.5*	26*	7.6*	7.7*			
1972.00*	23.0*	50*	1.5*	26*	7.6*	7.7*B			
1974.00*	41.2*	337*	1.5*	25*	7.6*	7.7*			
1976.00*	26.7*	164*	1.5*	22*	7.6*	7.7*			
1978.00*	55.0*	104*	1.5*	21*	7.6*	7.7*			
1980.00*	74.1*	63*	1.5*	23*	7.7*	7.7*			
1982.00*	60.5*	180*	1.5*	24*	7.7*	7.7*			
1984.00*	24.5*	53*	1.5*	25*	7.7*	7.8*			
1986.00*	23.9*	64*	1.5*	24*	7.7*	7.8*			
1988.00*	25.4*	95*	1.5*	21*	7.7*	7.6*			
1990.00*	44.7*	116*	1.6*	21*	7.7*	7.6*D			
1992.00*	20.9*	282*	1.6*	22*	7.7*	7.7*			
1994.00*	58.6*	285*	1.6*	24*	7.7*	7.8*D			
1996.00*	59.0*	81*	1.7*	23*	7.7*	7.8*D			
1998.00*	17.0*	51*	1.6*	23*	7.7*	7.7*			
2000.00*	17.3*	67*	1.6*	22*	7.7*	7.7*			
2002.00*	4.4*	158*	1.6*	24*	7.7*	7.7*A			
2004.00*	3.6*	185*	1.6*	28*	7.7*	7.7*C			
2006.00*	3.5*	130*	1.6*	28*	7.7*	7.7*A			
2008.00*	3.5*	143*	1.6*	27*	7.7*	7.7*A			
2010.00*	3.4*	111*	1.6*	25*	7.7*	7.7*A			
2012.00*	2.6*	99*	1.6*	25*	7.7*	7.7*C			
2014.00*	5.1*	336*	1.6*	26*	7.7*	7.7*C			
2016.00*	3.6*	194*	1.6*	26*	7.7*	7.7*C			
2018.00*	2.0*	292*	1.5*	27*	7.7*	7.7*A			
2020.00*	.9*	162*	1.5*	29*	7.7*	7.7*A			
2022.00*	5.8*	119*	1.5*	28*	7.7*	7.7*A			
2024.00*	12.7*	26*	1.5*	27*	7.7*	7.7*C			
2026.00*	5.8*	20*	1.5*	28*	7.6*	7.7*C			
2028.00*	1.6*	32*	1.5*	27*	7.7*	7.7*A			
2030.00*	2.1*	41*	1.5*	24*	7.7*	7.7*A			
2032.00*	3.0*	75*	1.5*	23*	7.7*	7.7*A			
2034.00*	5.2*	136*	1.5*	24*	7.7*	7.7*A			

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FORMATION					BOREHOLE				

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	QUALITY		
		AZIMUTH		AZIMUTH	1-3	2-4	INDEX		
FT	DEG	DEG	DEG	DEG	IN	IN	(BEST=A)		

2036.00	6.7	107	1.5	24	7.7	7.7	A		
2038.00	5.4	86	1.5	24	7.7	7.7	A		
2040.00	6.5	43	1.5	26	7.7	7.7	A		
2042.00	9.8	258	1.5	27	7.7	7.7	C		
2044.00	9.8	256	1.6	25	7.7	7.7	C		
2046.00	4.1	317	1.6	26	7.8	7.7	A		
2048.00	2.6	193	1.6	26	7.8	7.7	C		
2050.00	1.0	151	1.6	24	7.7	7.8	A		
2052.00	4.5	176	1.6	21	7.7	7.8	A		
2054.00	3.0	309	1.6	17	7.7	7.8	A		
2056.00	4.7	294	1.5	12	7.7	7.8	A		
2058.00	20.7	233	1.5	12	7.7	7.7			
2060.00	25.5	225	1.5	16	7.7	7.7			
2062.00	2.5	65	1.5	21	7.8	7.7	A		
2064.00	5.7	66	1.5	25	7.8	7.7	A		
2066.00	4.1	50	1.4	26	7.8	7.7	A		
2068.00	2.2	351	1.4	26	7.8	7.7	A		
2070.00	2.6	316	1.4	23	7.8	7.7	A		
2072.00	3.7	250	1.4	20	7.8	7.7	A		
2074.00	3.4	216	1.4	20	7.8	7.7	A		
2076.00	5.3	41	1.4	27	7.9	7.7	A		
2078.00	2.9	10	1.4	29	7.8	7.7	A		
2080.00	4.0	3	1.4	24	7.7	7.7	A		
2082.00	5.6	35	1.4	21	7.7	7.7	A		
2084.00	4.4	22	1.4	21	7.7	7.7	A		
2086.00	3.7	350	1.4	25	7.8	7.7	A		
2088.00	3.8	332	1.4	24	7.8	7.7	A		
2090.00	3.0	34	1.4	23	7.8	7.7	A		
2092.00	1.1	10	1.4	23	7.8	7.7	A		
2094.00	2.6	302	1.4	23	7.8	7.7	A		
2096.00	2.1	341	1.4	23	8.3	7.7	A		
2098.00	1.8	6	1.4	24	8.7	7.7	A		
2100.00	1.9	353	1.4	25	8.5	7.7	A		
2102.00	1.6	36	1.4	22	8.4	7.7	A		
2106.00	2.1	287	1.4	15	7.7	8.1	A		
2108.00	.5	57	1.4	17	7.7	7.8	A		
2110.00	.6	83	1.4	21	7.7	7.6	A		
2112.00	4.9	21	1.4	22	7.7	7.7	A		
2114.00	2.4	343	1.4	17	7.7	7.8	A		
2116.00	1.8	336	1.4	12	7.7	8.0	A		
2118.00	1.8	39	1.4	13	7.7	8.1	A		
2120.00	.9	352	1.4	21	7.7	7.8	A		

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FORMATION					BOREHOLE				

QUALITY									
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
		AZIMUTH		AZIMUTH	1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

2122.00	.4	19	1.4	26	7.7	7.7	A		
2124.00	2.4	71	1.4	24	7.7	7.7	A		
2126.00	1.6	19	1.4	26	7.7	7.7	A		
2128.00	1.7	351	1.4	28	7.7	7.7	A		
2130.00	1.3	350	1.4	24	7.7	7.8	A		
2132.00	.3	69	1.4	23	7.7	7.8	A		
2134.00	.4	273	1.4	22	7.7	7.8	A		
2136.00	1.0	351	1.4	21	7.7	7.7	A		
2138.00	.8	27	1.4	22	7.7	7.7	C		
2140.00	.9	162	1.4	20	7.7	7.7	C		
2142.00	5.4	192	1.4	19	7.7	7.7	A		
2144.00	5.8	174	1.4	19	7.7	7.7	A		
2146.00	5.9	168	1.4	19	7.7	7.7	A		
2148.00	5.7	168	1.4	22	7.7	7.7	A		
2150.00	1.9	131	1.4	20	7.7	7.7	A		
2152.00	2.3	128	1.5	17	7.7	7.7	A		
2154.00	2.0	107	1.5	21	7.7	7.7	A		
2156.00	2.3	138	1.5	21	7.7	7.7	A		
2158.00	3.1	169	1.5	22	7.7	7.8	A		
2160.00	2.9	173	1.5	24	7.7	7.8	A		
2162.00	2.9	308	1.4	22	7.7	7.8	C		
2164.00	2.6	83	1.4	23	7.7	7.8	A		
2166.00	1.8	35	1.4	27	7.7	7.7	A		
2168.00	2.1	11	1.4	26	7.8	7.7	A		
2170.00	10.9	355	1.4	21	7.7	7.8	A		
2172.00	1.7	298	1.4	19	7.7	7.8	A		
2174.00	2.9	237	1.4	22	7.7	7.8	A		
2176.00	2.2	300	1.4	24	7.7	7.7	A		
2178.00	2.2	301	1.4	22	7.7	7.7	A		
2180.00	1.6	263	1.4	19	7.7	7.7	A		
2182.00	1.2	255	1.4	20	7.7	7.7	A		
2184.00	.2	104	1.4	23	7.7	7.7	A		
2186.00	.8	5	1.4	24	7.7	7.7	A		
2188.00	1.6	10	1.4	24	7.7	7.7	A		
2190.00	1.7	35	1.4	22	7.7	7.7	A		
2192.00	1.1	15	1.4	21	7.7	7.7	A		
2194.00	4.1	299	1.4	25	7.7	7.6	A		
2196.00	52.1	140	1.4	25	7.7	7.6			
2198.00	1.8	35	1.4	22	7.7	7.7	C		
2200.00	3.2	14	1.4	21	7.7	7.7	C		
2202.00	6.1	135	1.4	22	7.8	7.7	A		
2204.00	1.4	183	1.4	24	7.7	7.7	A		

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FORMATION		BOREHOLE						QUALITY	
DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX		
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

2206.00	.4	346	1.5	19	7.7	7.6	A		
2208.00	4.8	325	1.5	18	7.7	7.6	A		
2210.00	3.0	345	1.5	24	7.8	7.7	A		
2212.00	3.8	300	1.5	24	7.9	7.7	A		
2214.00	3.6	175	1.5	27	8.7	8.0	C		
2216.00	6.6	174	1.5	26	9.2	8.1	C		
2218.00	70.7	144	1.5	18	8.6	7.9			
2220.00	40.5	34	1.5	19	8.2	7.9			
2222.00	15.7	10	1.5	25	8.2	7.9			
2224.00	8.3	72	1.5	29	8.1	7.9			
2226.00	23.5	9	1.5	27	8.1	7.9			
2228.00	15.3	56	1.5	24	8.1	7.8			
2230.00	21.2	35	1.5	19	7.8	7.7			
2232.00	30.2	75	1.5	20	7.7	7.7			
2234.00	7.8	90	1.5	32	7.6	7.7			
2236.00	33.6	315	1.5	32	7.7	7.7			
2238.00	8.4	162	1.5	24	7.6	7.7			
2240.00	15.0	129	1.5	24	8.8	7.7			
2242.00	16.1	302	1.5	22	10.4	8.2			
2244.00	22.2	166	1.5	25	9.2	8.2			
2246.00	66.3	38	1.4	27	7.7	7.6			
2248.00	30.8	238	1.4	26	7.8	7.7			
2250.00	39.2	15	1.4	29	9.2	7.7			
2252.00	12.8	97	1.4	25	10.2	7.3			
2254.00	49.1	2	1.3	23	9.6	7.2			
2256.00	41.6	345	1.3	22	9.8	7.0			
2258.00	*	*	1.4	23	10.4	7.5			
2260.00	13.8	189	1.4	24	10.0	7.9			
2262.00	73.8	199	1.4	26	9.6	7.5			
2264.00	9.0	213	1.4	29	9.5	7.5			
2266.00	26.2	258	1.4	26	9.5	7.5			
2268.00	*	*	1.4	22	9.3	7.6			
2270.00	56.6	268	1.4	27	9.0	7.5			
2272.00	48.4	294	1.4	29	8.9	7.5			
2274.00	47.1	210	1.4	27	9.1	7.6			
2276.00	26.6	289	1.4	27	9.4	7.6			
2278.00	24.8	262	1.4	25	9.0	7.7			
2280.00	20.2	27	1.4	24	8.4	7.7			
2282.00	22.9	154	1.3	18	8.8	7.5			
2284.00	23.5	26	1.4	17	9.1	7.6			
2286.00	20.5	323	1.4	22	8.7	7.6	B		
2288.00	22.7	314	1.4	26	8.3	7.5	B		

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FORMATION				BOREHOLE					

DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	QUALITY		
		AZIMUTH		AZIMUTH	1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

2290.00	17.1	325	1.4	22	8.5	7.5	D		
2292.00	20.1	276	1.5	20	8.5	7.5			
2294.00	26.7	345	1.5	22	8.5	7.7	D		
2296.00	31.7	335	1.4	19	8.8	7.6	D		
2298.00	29.1	328	1.4	18	8.9	7.7	D		
2300.00	9.6	335	1.4	20	8.4	7.7	D		
2302.00	10.8	344	1.3	24	7.9	7.7	B		
2304.00	9.9	323	1.3	29	8.1	7.7	B		
2306.00	7.2	222	1.2	26	8.2	7.6			
2308.00	27.4	303	1.2	16	7.7	7.5			
2310.00	28.0	331	1.2	14	7.5	7.6			
2312.00	19.8	300	1.2	18	7.8	7.6			
2314.00	49.4	175	1.2	18	7.9	7.5			
2316.00	73.5	109	1.2	15	7.8	7.5			
2318.00			1.2	6	7.8	7.5			
2320.00	8.7	151	1.2	2	7.9	7.6			
2322.00	24.7	297	1.3	4	7.9	7.6	C		
2324.00	8.1	327	1.3	6	7.8	7.6	A		
2326.00	8.8	317	1.4	11	7.7	7.6	A		
2328.00	9.3	311	1.4	11	7.8	7.6	A		
2330.00	5.2	319	1.4	7	7.7	7.7	A		
2332.00	7.5	315	1.4	9	7.7	7.6	A		
2334.00	14.4	280	1.4	13	7.6	7.6	A		
2336.00	15.1	279	1.5	13	7.6	7.6	A		
2338.00	21.0	12	1.5	14	7.8	7.6			
2340.00	21.8	19	1.5	15	7.6	7.6	B		
2342.00	22.8	24	1.5	12	7.4	7.4	D		
2344.00	3.7	355	1.5	9	7.5	7.3	D		
2346.00	3.3	306	1.5	4	7.7	7.6	D		
2348.00	4.8	230	1.5	4	7.8	7.6	D		
2350.00	31.1	224	1.5	5	7.9	7.7			
2352.00	3.1	239	1.5	7	7.8	7.7	D		
2354.00	3.8	232	1.5	8	7.7	7.7	D		
2356.00	26.0	347	1.5	7	7.7	7.7			
2358.00	50.1	338	1.5	6	7.7	7.7			
2360.00			1.5	2	7.9	7.7			
2362.00	68.1	354	1.5	2	8.0	7.6	D		
2364.00	58.7	270	1.5	5	7.7	7.6	D		
2366.00	12.0	354	1.6	6	7.6	7.6			
2368.00	59.8	172	1.6	5	7.6	7.5			
2370.00	69.1	118	1.6	4	7.6	7.5			
2372.00	62.7	272	1.6	4	7.5	7.5	D		

COMPANY : OREGON NATURAL GAS DEV. CORP
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FORMATION				BOREHOLE					
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DEPTH	DIP	DIP	DEVIAT	DEVIAT	CALIPER	CALIPER	INDEX	QUALITY	
	AZIMUTH	AZIMUTH			1-3	2-4	(BEST=A)		
FT	DEG	DEG	DEG	DEG	IN	IN			

2374.00	26.8	82	1.6	5	7.6	7.5			
2376.00	35.1	150	1.6	5	7.6	7.5			
2378.00	72.1	134	1.6	5	7.6	7.6			
2380.00	57.3	161	1.6	4	7.7	7.5			
2382.00	3.3	351	1.6	0	7.6	7.6			
2384.00	21.0	241	1.6	359	7.6	7.6			
2386.00	52.5	218	1.6	0	7.6	7.5			
2388.00	69.5	123	1.6	359	7.6	7.5			
2390.00	53.3	143	1.6	359	7.5	7.5			
2392.00	60.6	119	1.6	1	7.4	7.5			
2394.00	43.3	149	1.6	360	7.5	7.4			
2396.00	45.1	159	1.6	0	7.5	7.4			
2398.00	53.5	148	1.6	2	7.5	7.4			
2400.00	63.9	47	1.6	2	7.5	7.5			
2402.00	27.7	344	1.6	358	7.5	7.5			
2404.00	30.4	73	1.6	354	7.6	7.6			
2406.00	36.0	258	1.6	357	7.5	7.6			
2408.00	43.1	242	1.6	2	7.5	7.6			
2410.00	15.4	226	1.6	6	7.5	7.6			
2412.00	26.2	221	1.7	5	7.5	7.5			
2414.00			1.7	3	7.5	7.5			
2416.00	56.0	76	1.6	3	7.4	7.5			
2418.00	34.6	336	1.6	5	7.4	7.6			
2420.00	41.4	282	1.6	5	7.6	7.6			
2422.00	40.3	261	1.6	6	7.5	7.5			
2424.00	72.8	275	1.6	9	7.6	7.6			
2426.00	14.2	337	1.6	10	7.5	7.6			
2428.00	82.7	117	5.5	12	346.4	13.3	B		
2430.00	62.7	136	8.0	12	657.3	50.1			
2432.00	6.2	305	4.1	5	318.4	44.4			
2434.00	32.8	331	1.6	1	7.7	7.6			
2436.00	29.4	189	1.6	0	7.7	7.7			
2438.00	25.4	163	1.7	1	7.7	7.6			
2440.00	29.4	106	1.7	2	7.6	7.6			
2442.00	44.5	133	1.7	2	7.6	7.6			
2444.00	18.5	91	1.8	360	7.7	7.7			
2446.00	25.1	125	1.8	360	7.7	7.6			
2448.00	22.0	146	1.8	2	7.5	7.6			
2450.00	62.1	159	1.7	3	7.5	7.5			
2452.00	5.2	55	1.7	2	7.6	7.6			
2454.00	18.2	63	1.7	3	7.5	7.6			
2456.00	7.4	265	1.7	5	7.5	7.6			

COMPANY : OREGON NATURAL GAS DEV. CORP
WELL : " DESHAZER" 13-22

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*****
*          * FORMATION          *          * BOREHOLE          *          *
*          * -----*-----*-----*-----*-----*-----* QUALITY*
* DEPTH * DIP * DIP * DEVIAT * DEVIAT * CALIPER * CALIPER * INDEX *
*          * AZIMUTH * AZIMUTH * 1-3 * 2-4 * (BEST=A) *
* FT * DEG * DEG * DEG * DEG * IN * IN *
*****
*          *          *          *          *          *          *
* 2458.00* 15.9* 201* 1.6* 7* 7.4* 7.5*
*****
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