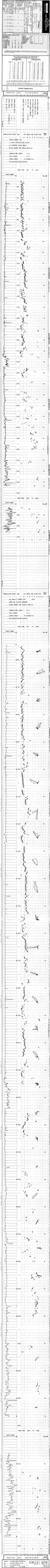


Oil & Gas #143
API 36-009-[illegible]059

RECEIVED-PTLD
MAY 05 1980
DEPT. OF GEOLOGY & MINERAL INDUS.

1069 S[illegible]e Office Building, Portland 1, [illegible]gon

APPLICATION FOR PERMIT TO DRILL NEW WELL OR STRATIGRAPHIC

(To be accompanied by a $100 permit fee for new wells only and a surety bond conditioned as provided by law.)

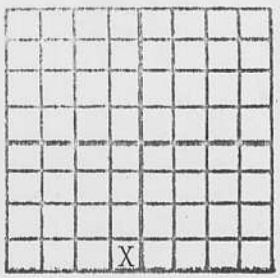
Bakersfield, ~~Oregon~~ Calif. April 29, 1980

Department of Geology and Mineral Industries
Portland, Oregon

In compliance with rules and regulations pursuant to ORS 520 (Chapter 667 OL 1953) application is hereby made for permit to drill a (new well ~~XXXXXXXXXXXX~~) to be known as Reichhold Energy Corporation (COMPANY OR OPERATOR) Adams (LEASE)

Well No. 24-34 in SW/4 of Sec. 34, T. 7N, R. 5W W. B. & M.,

Mist Field, Columbia County.



Section of land
Area 640 acres

LOCATE WELL CORRECTLY

This well is 350 feet (N)~~(S)~~ of the South line and ~~2400~~ 2,380' (corrected) feet (E)~~(W)~~ of the West line of Section 34.

(Give location from section or other legal subdivision lines or corners. Cross out wrong directions)

Elevation of ground above sea level is 1100 Topo feet. All depth measurements are taken from top of KB, which is 11.6 feet above ground.

The lessee is Reichhold Energy Corporation

Address P.O. Box 1482, Tacoma Washington 98401

The lessor is Longview Fibre Company

Address P.O. Box 667, Longview, Washington 98632

We estimate that the first productive oil or gas sand should occur at a depth of about 2500 feet.
We propose to use the following strings of casing and to land or cement them as herein indicated:

Size of hole	Size of casing	Weight in pounds per foot	Grade and type	New or second hand	Depth	Landed or cemented No. sacks cement
9-7/8	7"	20	K	N	400	150 Sacks
6-1/4	4-1/2	10.5	K	N	3000	150 Sacks

We propose to drill with ~~XXX~~ rotary tools.

If changes in the above plan become advisable we will notify you before cementing or landing casing.

Additional information including names of and expected depths to objective sands (Use additional sheets as needed):

C & W Sand 2500'

I understand that this plan of work must receive approval in writing by the Director of the State Department of Geology and Mineral Industries.

Approved June 4, 1980

except as follows: The February 27, 1979 stipulations approved by the Governing Board of the Dept. will be made a condition of this permit.

DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

By Edmund C Newton Jr. ~~Director~~

PETROLEUM ENGINEER

Reichhold Energy Corporation (COMPANY OR OPERATOR)

By W. S. McSween

Position Engineer

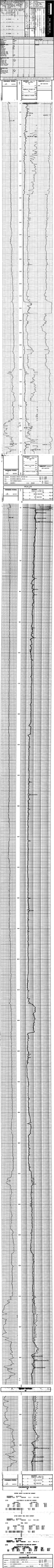
Send communications regarding well to:

Name R. L. Beardsley

Address P.O. Box 810

St. Helens, Oregon 97051

(Submit in triplicate)



RECEIVED-PTLD
AUG 20 1980
DEPT OF GEOLOGY
& MINERAL INDUS

****
* SCHLUMBERGER *
****

HIGH RESOLUTION

DIPMETER

****

CLUSTER LISTING
****

REICHOLD ENERGY CORP.

MIST-NEHALEM BASIN

COLUMBIA, OREGON

REICHOLD ADAM #24-34

RUN NO. ONE JOB NO. 4503

CLUSTER RESULTS ONLY

4FT. CORR. - 2 FT. STEP

70 DEG. X1 SEARCH ANGLE

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
544			1.4	75	6.4	6.7	
546			1.4	72	6.5	6.6	
548			1.4	74	6.7	6.6	
550			1.4	75	6.8	6.6	
552	3.4	11	1.4	75	6.7	6.7	A
554	2.3	76	1.4	76	6.7	6.7	A
556	1.1	327	1.4	84	6.7	6.8	A
558	2.6	96	1.4	90	6.8	6.7	A
560	4.1	79	1.4	95	6.7	6.7	B
562	7.3	57	1.4	102	6.6	6.7	D
564			1.4	111	6.5	6.6	
566	10.0	62	1.4	118	6.5	6.5	D
568	9.5	39	1.3	122	6.5	6.4	D
570			1.2	117	6.3	6.4	
572	6.5	58	1.2	115	6.2	6.5	B
574	6.3	53	1.2	118	6.2	6.6	B
576	6.4	308	1.2	115	6.2	6.6	D
578	4.0	354	1.2	113	6.4	6.7	B
580	1.8	109	1.2	116	6.4	7.0	D
582	3.5	78	1.2	119	6.4	7.0	B
584	6.9	76	1.2	120	6.4	6.9	D
586	5.1	328	1.2	122	6.5	6.9	A
588	4.3	67	1.2	124	6.5	7.0	A
590	7.6	21	1.2	124	6.4	7.0	C
592	7.2	21	1.2	123	6.2	6.9	C
594	5.4	59	1.2	125	6.2	6.8	A
596	4.9	54	1.2	126	6.2	7.0	A
598	2.1	77	1.2	127	6.4	7.1	A
600	3.3	64	1.2	127	6.4	7.0	A
602	3.9	57	1.2	125	6.4	6.9	A
604	4.0	64	1.2	120	6.5	6.9	A
606	7.6	56	1.2	119	6.4	6.9	C
608			1.2	125	6.3	6.9	
610	4.1	58	1.1	127	6.3	6.9	D
612	6.2	70	1.1	126	6.3	6.8	D
614	5.3	87	1.2	122	6.4	6.8	B
616	9.3	170	1.2	121	6.4	6.8	D
618	2.7	49	1.2	125	6.4	7.0	A
620	4.7	60	1.2	132	6.4	7.1	A
622	4.9	74	1.2	136	6.4	7.1	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
624	4.8	72	1.2	138	6.3	7.1	A
626	4.5	68	1.2	140	6.3	7.1	A
628	3.9	77	1.2	141	6.3	7.1	A
630	6.1	77	1.2	141	6.4	7.0	A
632	6.3	71	1.2	140	6.4	6.9	A
634	6.4	74	1.2	138	6.5	6.9	A
636	4.7	77	1.2	137	6.4	7.0	A
638	4.4	52	1.2	133	6.4	7.0	A
640	2.7	52	1.2	128	6.4	7.0	A
642	5.4	75	1.2	126	6.3	7.0	A
644	3.5	105	1.2	128	6.3	7.0	A
646	3.9	112	1.2	132	6.3	7.0	A
648	3.7	98	1.2	136	6.4	7.0	A
650	4.7	25	1.2	138	6.4	6.9	A
652	7.3	68	1.2	135	6.4	6.9	C
654	6.0	51	1.2	132	6.4	6.8	A
656	5.5	50	1.2	130	6.5	6.8	A
658	9.3	325	1.2	127	6.5	6.8	A
660	3.5	48	1.2	127	6.4	6.9	A
662	6.2	80	1.2	130	6.4	7.0	A
664	6.9	88	1.2	135	6.3	7.0	A
666	2.8	90	1.2	141	6.3	6.9	A
668	2.2	95	1.2	145	6.3	6.8	A
670	5.7	90	1.2	145	6.4	6.7	C
672	7.6	77	1.2	144	6.4	6.6	A
674	5.2	33	1.2	142	6.5	6.6	A
676	4.5	40	1.2	141	6.5	6.6	A
678	1.9	69	1.2	140	6.5	6.7	B
680	1.8	52	1.2	141	6.5	6.8	B
682	3.0	350	1.2	145	6.4	7.0	B
684			1.2	149	6.4	6.9	
686			1.2	150	6.4	6.8	
688	8.8	40	1.2	151	6.4	6.7	D
690			1.2	153	6.5	6.7	
692	3.5	45	1.2	155	6.5	6.7	C
694	2.4	54	1.2	155	6.4	6.7	A
696	4.7	216	1.2	157	6.4	6.7	A
698	8.0	67	1.2	160	6.4	6.7	A
700	4.5	80	1.2	160	6.4	6.7	A
702	4.0	107	1.2	159	6.4	6.7	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
704	2.8	72	1.2	160	6.3	6.7	A
706			1.2	162	6.3	6.8	
708	8.0	198	1.2	163	6.4	6.8	C
710			1.2	162	6.4	6.8	
712			1.2	158	6.5	6.7	
714	6.0	73	1.2	155	6.5	6.7	A
716	3.4	76	1.2	153	6.4	6.7	A
718	1.9	42	1.2	150	6.4	6.9	A
720	9.9	98	1.2	145	6.4	6.8	C
722	5.8	326	1.2	141	6.4	6.8	A
724	0.6	330	1.2	139	6.4	6.8	A
726	3.8	22	1.2	140	6.3	6.8	A
728	23.6	104	1.2	141	6.4	6.8	D
730	22.9	106	1.2	143	6.4	6.9	D
732			1.2	144	6.3	6.9	
734			1.1	143	6.3	6.8	
736			1.0	140	6.3	6.8	
738			1.0	135	6.3	6.7	
740			1.0	132	6.4	6.7	
742			1.0	132	6.3	6.8	
744			1.1	134	6.3	6.9	
746			1.1	138	6.3	6.9	
748			1.1	140	6.3	6.8	
750			1.1	141	6.3	6.8	
752	6.7	64	1.1	143	6.2	6.9	A
754	6.2	58	1.1	149	6.2	6.8	A
756	5.4	55	1.0	156	6.2	6.6	A
758	7.9	44	1.0	158	6.3	6.5	A
760	14.4	80	1.0	156	6.4	6.6	B
762	5.0	275	1.0	153	6.5	6.7	A
764	4.5	299	1.0	150	6.4	6.6	A
766	4.2	306	1.0	145	6.5	6.6	A
768	2.4	34	1.0	141	6.5	6.6	A
770	0.3	123	1.0	137	6.4	6.6	A
772	3.7	62	1.0	136	6.4	6.6	A
774	2.1	19	1.0	136	6.5	6.6	A
776	3.6	9	1.0	134	6.4	6.6	C
778	6.0	183	1.0	134	6.3	6.5	C
780	4.1	136	1.0	135	6.3	6.5	C
782	2.9	38	1.0	134	6.4	6.6	C

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
784	3.2	48	1.0	131	6.4	6.6	A
786	3.4	11	1.0	127	6.4	6.6	A
788	3.2	9	1.0	125	6.4	6.6	A
790	4.2	46	0.9	126	6.3	6.6	A
792	6.2	15	0.8	127	6.3	6.6	A
794	3.5	1	0.8	125	6.2	6.5	A
796	2.6	359	0.8	123	6.3	6.6	A
798	5.1	76	0.8	119	6.3	6.6	C
800			0.8	117	6.3	6.7	
802	8.6	3	0.8	114	6.3	6.7	C
804	5.4	63	0.8	112	6.3	6.7	A
806	5.2	126	0.8	110	6.3	6.7	A
808	2.9	64	0.8	109	6.3	6.7	A
810	5.7	69	0.8	110	6.3	6.6	A
812	5.0	53	0.8	111	6.2	6.6	A
814	1.9	249	0.8	111	6.3	6.8	A
816	6.9	19	0.8	112	6.3	6.8	A
818	4.9	36	0.8	114	6.4	6.8	A
820	3.8	55	0.8	116	6.3	6.6	A
822	4.3	34	0.8	117	6.3	6.6	A
824	5.2	10	0.8	114	6.3	6.7	A
826	3.7	108	0.8	111	6.4	6.7	B
828	3.4	61	0.8	108	6.3	6.7	B
830			0.8	105	6.3	6.7	
832			0.8	103	6.3	6.8	
834	3.5	135	0.8	104	6.3	6.8	B
836	4.9	168	0.8	106	6.3	6.8	B
838	4.0	31	0.8	111	6.3	6.7	A
840	3.6	41	0.8	116	6.3	6.7	A
842	3.4	34	0.8	116	6.4	6.8	A
844	4.0	29	0.8	113	6.4	6.8	A
846	3.5	48	0.8	112	6.3	6.8	A
848	5.8	137	0.8	111	6.3	6.8	A
850	2.9	77	0.8	110	6.2	6.8	A
852			0.8	107	6.2	6.9	
854	3.7	26	0.8	105	6.2	7.0	C
856	7.1	25	0.8	105	6.2	7.0	A
858	6.1	25	0.8	107	6.2	7.0	A
860	3.5	41	0.8	108	6.2	7.0	A
862	3.4	37	0.8	108	6.2	6.9	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
864	2.2	38	0.8	115	6.3	6.9	A
866	3.5	16	0.8	123	6.3	6.8	A
868	4.4	10	0.8	122	6.3	6.8	A
870	2.8	46	0.8	120	6.3	6.9	A
872	2.4	25	0.8	121	6.3	6.9	A
874	3.1	34	0.8	123	6.3	6.9	A
876	5.2	28	0.8	123	6.3	6.8	A
878	3.4	6	0.8	121	6.2	6.8	C
880	8.5	332	0.8	120	6.2	6.7	D
882	8.2	354	0.8	127	6.2	6.8	D
884	6.6	337	0.8	138	6.2	6.7	D
886	3.7	33	0.8	147	6.2	6.7	B
888	7.4	42	0.8	149	6.2	6.6	B
890	10.6	297	0.8	149	6.2	6.6	D
892	10.5	290	0.8	146	6.2	6.5	D
894	30.2	281	0.8	141	6.3	6.6	D
896	30.7	276	0.8	137	6.3	6.6	D
898			0.8	134	6.4	6.6	
900	7.2	41	0.8	129	6.4	6.6	D
902			0.8	123	6.4	6.6	
904			0.8	118	6.3	6.6	
906			0.8	114	6.3	6.6	
908	5.8	72	0.8	113	6.3	6.5	D
910	5.8	154	0.8	111	6.2	6.5	D
912	3.8	22	0.8	108	6.2	6.5	B
914	9.6	160	0.8	109	6.2	6.6	B
916	6.4	109	0.8	109	6.2	6.7	D
918	10.5	31	0.8	107	6.2	6.8	D
920	7.7	43	0.8	108	6.2	6.7	D
922	5.5	37	0.8	109	6.2	6.7	B
924	1.9	300	0.7	112	6.2	6.8	D
926	5.4	55	0.6	114	6.1	6.9	D
928			0.6	111	6.0	6.8	
930			0.6	109	5.9	6.8	
932	7.3	353	0.7	113	6.0	7.1	D
934	8.3	329	0.7	117	6.1	7.4	B
936	9.4	299	0.6	119	6.1	7.5	D
938	9.9	301	0.6	121	6.1	7.5	D
940	6.1	14	0.6	121	6.1	7.6	B
942	6.5	340	0.7	120	6.1	7.6	B

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
944	7.9	350	0.7	118	6.1	7.6	B
946			0.7	117	6.0	7.4	
948			0.8	121	6.0	7.0	
950	18.7	337	0.8	133	6.0	6.7	D
952	8.5	253	0.9	142	6.1	6.7	D
954			1.0	146	6.2	6.8	
956			1.0	147	6.2	7.0	
958	5.8	359	1.0	148	6.2	7.1	D
960	4.8	339	1.0	153	6.2	7.1	D
962	7.9	313	1.0	155	6.4	7.1	D
964	10.6	298	1.0	152	6.5	7.2	B
966	8.6	309	1.0	150	6.6	7.2	B
968	8.8	315	1.0	149	6.6	7.2	D
970			1.0	148	6.9	7.0	
972			1.0	147	6.9	6.9	
974			1.0	146	6.6	6.9	
976	19.9	314	1.0	148	6.6	6.9	A
978	19.1	306	1.0	153	6.7	6.9	A
980	9.2	289	1.0	156	6.8	6.8	A
982	7.6	322	1.0	153	6.8	6.7	A
984	11.1	324	1.0	148	6.9	6.7	A
986	17.5	319	1.0	142	7.0	6.7	A
988	21.5	296	1.0	137	7.0	6.7	A
990	16.8	269	1.0	138	6.9	6.6	A
992	17.2	272	1.0	140	6.9	6.5	A
994	11.6	272	1.0	140	6.9	6.4	A
996	6.5	309	0.9	137	6.8	6.4	A
998	4.1	302	0.9	136	7.0	6.5	A
1000	7.0	260	0.9	138	7.1	6.5	A
1002	12.4	272	0.9	136	7.0	6.3	A
1004	9.2	284	0.9	132	7.0	6.4	A
1006	8.7	282	0.8	130	7.0	6.5	A
1008	8.2	270	0.8	130	6.9	6.5	A
1010			0.8	125	6.9	6.4	
1012	3.6	350	0.8	116	7.0	6.4	C
1014	4.9	312	0.7	107	6.9	6.4	A
1016	3.5	300	0.6	100	7.0	6.5	A
1018	4.2	274	0.6	90	6.8	6.4	A
1020	4.8	269	0.6	87	6.8	6.4	A
1022	4.9	287	0.6	85	6.8	6.3	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1024	5.2	301	0.6	82	6.5	6.2	A
1026	5.3	304	0.6	81	6.4	6.2	A
1028	5.4	298	0.6	83	6.6	6.4	A
1030	5.7	297	0.6	82	6.8	6.5	A
1032	5.7	296	0.6	78	6.8	6.4	A
1034	6.2	294	0.6	71	6.8	6.3	A
1036	6.3	283	0.6	66	6.7	6.3	A
1038	6.2	291	0.6	66	6.8	6.4	A
1040	6.5	301	0.6	70	6.8	6.4	A
1042	6.3	298	0.7	75	6.7	6.3	A
1044	6.1	297	0.7	77	6.7	6.3	A
1046	6.9	293	0.8	80	6.7	6.3	A
1048	7.1	291	0.8	82	6.8	6.4	A
1050	6.8	289	0.8	82	6.9	6.5	A
1052	7.1	289	0.8	82	6.9	6.5	A
1054	7.0	288	0.7	78	6.9	6.6	A
1056	6.7	290	0.8	74	7.0	6.6	A
1058	7.8	287	0.8	71	6.8	6.3	A
1060	8.4	271	0.8	67	6.6	6.2	A
1062	8.5	263	0.8	62	6.7	6.2	A
1064	8.2	266	0.8	59	6.7	6.2	A
1066	7.4	263	0.8	62	6.6	6.2	A
1068			0.8	71	6.7	6.3	
1070			0.9	81	6.9	6.6	
1072			1.0	90	7.0	6.7	
1074			1.0	91	7.0	6.5	
1076	3.7	165	1.0	86	6.9	6.3	B
1078	3.4	149	1.0	85	7.2	6.3	B
1080	3.6	81	1.0	85	7.4	6.4	A
1082	3.5	60	1.0	86	7.5	6.3	A
1084	4.6	55	1.0	88	7.5	6.3	A
1086	4.7	54	1.0	87	7.5	6.3	A
1088	5.1	45	1.0	87	7.5	6.3	A
1090	5.9	40	1.0	89	7.6	6.4	A
1092	6.5	40	1.0	88	7.7	6.5	A
1094	8.6	33	1.0	83	7.9	6.3	A
1096			1.0	77	7.7	6.2	
1098			1.0	76	7.2	6.2	
1100	19.2	256	0.9	73	7.2	6.2	B
1102	14.9	260	0.9	66	7.5	6.2	B

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1104	14.7	256	0.9	66	7.6	6.2	D
1106	19.6	244	1.0	69	7.4	6.3	D
1108	18.6	240	0.9	69	7.3	6.3	A
1110	15.0	247	0.9	69	7.3	6.2	A
1112	14.8	253	0.9	67	7.3	6.2	A
1114	13.9	248	0.9	63	7.4	6.2	A
1116	13.1	240	0.9	59	7.4	6.2	A
1118	14.0	242	1.0	58	7.5	6.2	A
1120	14.0	238	1.0	57	7.6	6.2	A
1122	14.1	241	1.0	56	7.6	6.2	A
1124	14.0	239	1.0	57	7.6	6.1	A
1126	14.2	235	1.0	60	7.6	6.1	A
1128	15.4	236	1.0	65	7.6	6.1	A
1130			0.9	75	7.8	6.2	
1132			0.8	80	7.8	6.2	
1134			0.6	101	7.4	6.1	
1136			0.5	171	7.1	6.0	
1138			0.4	264	7.5	6.1	
1140			0.4	301	7.9	6.1	
1142	24.0	183	0.5	316	7.7	6.1	A
1144	22.6	182	0.5	316	7.6	6.2	A
1146	22.2	181	0.6	314	7.6	6.1	A
1148	23.5	182	0.6	317	7.4	6.2	A
1150	31.4	182	0.6	320	7.4	6.3	A
1152	31.6	190	0.7	325	7.5	6.3	A
1154	22.7	181	0.8	331	7.4	6.4	C
1156	21.5	180	0.8	332	7.3	6.4	C
1158	20.7	180	0.8	329	7.2	6.4	A
1160	21.5	181	0.8	329	7.1	6.4	A
1162	25.9	182	0.8	332	7.0	6.4	B
1164	29.0	183	0.8	333	6.8	6.5	B
1166	27.0	171	0.8	324	6.5	6.5	D
1168			0.8	318	6.3	6.4	
1170			0.9	322	6.2	6.4	
1172			1.0	327	6.3	6.6	
1174	23.4	195	1.0	330	6.4	6.6	D
1176			1.0	330	6.5	6.6	
1178			1.0	331	6.6	6.5	
1180			1.0	331	6.6	6.5	
1182			1.1	331	6.5	6.4	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1184			1.2	333	6.5	6.4	
1186			1.2	331	6.5	6.5	
1188			1.2	331	6.6	6.4	
1190			1.2	337	6.4	6.3	
1192			1.2	343	6.3	6.4	
1194			1.2	341	6.4	6.6	
1196	15.1	2	1.2	333	6.4	6.6	B
1198	13.2	8	1.1	324	6.2	6.6	B
1200	13.7	358	1.1	321	6.2	6.7	A
1202	12.6	349	1.2	322	6.3	6.8	A
1204			1.2	324	6.5	6.9	
1206	9.5	261	1.2	327	6.5	7.0	C
1208			1.2	331	6.5	6.9	
1210	4.9	339	1.2	334	6.4	7.1	A
1212	4.3	359	1.2	334	6.3	7.2	A
1214	3.0	344	1.2	335	6.4	7.1	A
1216	4.6	292	1.1	332	6.5	7.1	A
1218	5.3	40	1.1	324	6.4	6.9	A
1220	6.0	22	1.2	319	6.3	6.7	A
1222	6.5	28	1.2	316	6.4	6.7	A
1224	7.1	35	1.2	315	6.5	6.8	A
1226	10.5	39	1.3	317	6.4	6.7	A
1228	11.1	47	1.4	318	6.4	6.7	A
1230	8.8	30	1.3	318	6.2	6.9	A
1232	8.8	12	1.3	317	6.2	7.1	A
1234	9.5	11	1.4	314	6.2	7.2	A
1236	10.8	35	1.4	313	6.1	7.3	C
1238	14.8	352	1.4	311	6.0	7.3	D
1240	21.7	351	1.4	312	6.2	7.2	B
1242	4.7	156	1.4	312	6.3	7.2	D
1244	4.0	172	1.4	312	6.2	7.3	B
1246	1.3	88	1.4	312	6.1	7.5	A
1248	2.1	353	1.4	311	6.0	7.5	A
1250	2.5	334	1.4	308	5.8	7.3	A
1252	2.0	333	1.4	306	5.9	7.3	A
1254	1.4	324	1.4	304	6.0	7.4	A
1256	1.9	322	1.4	301	6.0	7.4	A
1258	2.8	326	1.4	298	6.1	7.5	A
1260	3.6	329	1.4	299	6.1	7.5	A
1262	3.8	323	1.4	301	6.1	7.6	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1264	4.3	323	1.4	301	6.1	7.6	A
1266	5.1	320	1.4	302	6.2	7.6	A
1268	5.3	316	1.4	308	6.2	7.6	A
1270			1.4	316	6.2	7.4	
1272	16.8	7	1.4	319	6.1	7.3	D
1274			1.4	317	6.1	7.3	
1276			1.4	316	6.1	7.3	
1278			1.4	318	6.2	7.4	
1280			1.4	320	6.2	7.4	
1282			1.4	320	6.2	7.4	
1284	9.7	344	1.4	321	6.2	7.4	B
1286	9.7	345	1.4	323	6.2	7.3	D
1288	9.6	341	1.4	325	6.2	7.3	A
1290	9.4	339	1.4	332	6.2	7.2	A
1292	9.8	333	1.4	343	6.2	7.2	A
1294	9.2	333	1.4	359	6.2	7.2	A
1296	10.3	320	1.4	5	6.2	7.3	A
1298	10.2	323	1.4	6	6.2	7.3	A
1300	9.3	321	1.4	5	6.2	7.3	A
1302	11.4	332	1.4	5	6.2	7.4	A
1304	9.0	320	1.4	4	6.2	7.4	A
1306	10.7	312	1.4	2	6.2	7.4	C
1308	7.6	307	1.4	1	6.2	7.4	C
1310	6.8	322	1.4	359	6.2	7.4	C
1312	6.6	326	1.4	0	6.2	7.3	A
1314	7.3	335	1.4	2	6.2	7.2	A
1316	7.5	327	1.4	360	6.2	7.2	C
1318	5.9	338	1.4	359	6.2	7.1	C
1320	7.7	338	1.4	359	6.2	7.0	A
1322	9.2	333	1.5	357	6.2	7.0	A
1324	8.8	331	1.6	356	6.3	7.0	A
1326	8.7	338	1.6	3	6.3	7.0	A
1328	7.2	335	1.6	7	6.3	7.0	A
1330	7.2	327	1.7	9	6.2	7.1	A
1332	8.1	326	1.8	17	6.2	7.1	A
1334	7.6	345	1.8	26	6.2	7.2	A
1336	7.9	348	1.8	32	6.2	7.2	A
1338	9.2	354	1.8	41	6.2	7.1	A
1340	11.7	353	1.8	50	6.2	7.1	A
1342	13.5	347	1.8	57	6.2	7.1	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1344	8.0	352	1.9	56	6.3	7.0	A
1346	7.6	356	1.9	54	6.3	7.0	A
1348	6.8	352	1.9	53	6.3	7.1	A
1350	6.4	314	1.9	54	6.3	7.1	A
1352	9.0	309	1.9	55	6.2	7.0	A
1354	9.8	306	2.0	56	6.3	7.0	A
1356	12.1	296	2.0	57	6.3	7.0	A
1358	14.3	294	2.0	56	6.2	7.1	A
1360	14.4	291	2.0	54	6.2	7.1	A
1362	14.6	289	2.0	55	6.2	7.1	A
1364	14.2	295	2.0	57	6.2	7.1	A
1366	13.4	309	2.0	60	6.2	7.2	A
1368	14.5	307	2.0	60	6.2	7.2	A
1370	12.5	311	2.1	60	6.2	7.1	A
1372	12.0	315	2.1	61	6.2	7.1	A
1374	12.0	313	2.1	61	6.2	7.0	A
1376	19.2	315	2.2	61	6.2	6.9	C
1378	18.7	315	2.2	63	6.2	6.9	C
1380	16.9	315	2.2	64	6.2	6.9	A
1382	16.4	319	2.2	64	6.2	6.9	A
1384	15.6	321	2.2	66	6.2	6.9	B
1386	0.7	282	2.2	66	6.2	6.9	D
1388	2.3	227	2.2	65	6.2	6.9	D
1390	13.8	345	2.2	65	6.2	6.9	A
1392	14.1	342	2.3	66	6.3	7.0	A
1394	13.8	342	2.4	68	6.2	7.0	A
1396	14.2	343	2.4	68	6.2	7.0	A
1398	15.7	342	2.4	68	6.2	7.0	A
1400	15.3	338	2.4	67	6.2	7.0	A
1402	15.2	335	2.4	67	6.2	7.0	A
1404	14.8	334	2.4	68	6.3	7.0	A
1406	14.1	329	2.4	69	6.2	7.0	A
1408	16.5	330	2.4	69	6.2	7.0	A
1410	15.2	327	2.4	68	6.2	7.0	A
1412	13.7	321	2.4	67	6.2	7.0	A
1414	16.8	315	2.4	68	6.2	7.0	A
1416	17.3	315	2.5	71	6.2	6.9	A
1418	14.6	327	2.6	74	6.2	6.9	A
1420	14.3	329	2.6	75	6.2	7.0	A
1422	14.9	331	2.6	72	6.2	6.9	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1424	13.4	328	2.6	70	6.2	7.0	A
1426	13.5	329	2.6	71	6.2	7.0	A
1428	14.1	337	2.6	73	6.2	7.1	A
1430	13.7	339	2.6	74	6.2	7.1	A
1432	13.5	345	2.6	75	6.2	7.1	A
1434	14.9	358	2.7	76	6.2	7.1	A
1436	13.9	353	2.7	76	6.2	7.0	A
1438	14.0	348	2.7	76	6.2	7.0	A
1440	13.5	345	2.7	76	6.2	7.0	A
1442	14.9	344	2.8	76	6.2	7.0	A
1444	15.0	345	2.8	76	6.3	6.9	A
1446	14.2	348	2.8	77	6.2	6.9	A
1448	14.6	354	2.8	77	6.2	6.9	A
1450			2.8	78	6.2	6.9	
1452			2.8	79	6.3	7.0	
1454	14.4	343	2.8	79	6.3	7.0	A
1456	14.0	345	2.8	79	6.2	7.0	A
1458	13.5	345	2.8	79	6.2	7.0	A
1460	12.9	346	2.9	77	6.2	7.1	A
1462	21.5	31	3.0	77	6.2	6.9	C
1464	16.3	359	3.0	79	6.2	6.7	A
1466	18.0	334	3.0	81	6.2	6.7	A
1468	14.8	2	3.0	81	6.3	6.8	A
1470	12.6	359	3.0	80	6.3	6.8	A
1472	13.3	3	3.0	80	6.3	6.8	A
1474			3.0	82	6.3	6.7	
1476			3.0	83	6.2	6.6	
1478			3.0	83	6.2	6.6	
1480	11.5	2	3.0	83	6.2	6.7	C
1482	15.2	351	3.1	82	6.3	6.7	C
1484	12.5	348	3.2	81	6.3	6.7	A
1486	14.6	342	3.2	81	6.4	6.8	A
1488	15.6	340	3.2	82	6.4	6.7	A
1490	14.1	343	3.2	83	6.4	6.6	A
1492	12.7	333	3.2	83	6.4	6.6	C
1494	14.1	359	3.2	83	6.3	6.6	D
1496	14.3	330	3.2	85	6.3	6.6	D
1498	16.0	324	3.2	87	6.3	6.6	B
1500	14.8	321	3.2	88	6.3	6.6	B
1502			3.2	87	6.3	6.6	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1504			3.2	86	6.2	6.7	
1506	15.1	336	3.2	86	6.3	6.7	A
1508	15.6	336	3.2	85	6.3	6.7	A
1510	16.1	334	3.2	83	6.2	6.6	A
1512	13.4	356	3.2	83	6.2	6.6	A
1514			3.2	84	6.3	6.7	
1516	15.3	357	3.2	84	6.3	6.8	A
1518	14.9	2	3.2	86	6.3	6.8	A
1520	16.1	7	3.2	88	6.4	6.8	A
1522	17.7	5	3.2	88	6.3	6.8	A
1524	20.2	1	3.2	88	6.3	6.7	A
1526	20.0	360	3.2	89	6.3	6.6	A
1528	21.8	352	3.2	90	6.3	6.6	A
1530			3.3	89	6.3	6.7	
1532			3.4	88	6.2	6.7	
1534			3.4	88	6.2	6.8	
1536	10.8	300	3.4	87	6.3	6.8	B
1538			3.3	86	6.3	6.8	
1540	0.9	113	3.2	87	6.3	6.7	A
1542	5.0	277	3.2	87	6.4	6.7	A
1544	10.6	307	3.2	86	6.4	6.8	A
1546	9.2	300	3.3	86	6.3	6.9	A
1548	11.1	274	3.4	87	6.3	7.0	A
1550	8.2	261	3.4	89	6.3	6.9	A
1552	8.7	241	3.3	89	6.3	6.8	C
1554	3.6	106	3.2	89	6.3	6.7	A
1556	0.5	210	3.2	87	6.3	6.6	A
1558			3.2	85	6.4	6.5	
1560			3.2	85	6.5	6.6	
1562			3.2	85	6.4	6.6	
1564	11.1	83	3.2	87	6.4	6.6	B
1566	10.8	85	3.3	89	6.3	6.6	B
1568	5.6	101	3.2	90	6.3	6.6	D
1570			3.2	90	6.3	6.6	
1572	2.3	59	3.2	90	6.3	6.6	D
1574	5.2	322	3.2	89	6.3	6.6	B
1576			3.3	88	6.3	6.6	
1578	14.0	325	3.3	88	6.4	6.6	D
1580	6.8	292	3.2	88	6.5	6.6	B
1582	5.9	297	3.3	87	6.5	6.6	B

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1584	9.4	296	3.3	88	6.5	6.6	D
1586			3.4	88	6.5	6.6	
1588	4.1	334	3.4	88	6.5	6.6	D
1590	4.0	336	3.4	89	6.5	6.6	D
1592	5.2	332	3.4	90	6.5	6.6	B
1594	6.4	322	3.4	90	6.5	6.6	B
1596	6.5	318	3.4	90	6.5	6.6	D
1598			3.4	90	6.5	6.6	
1600			3.4	90	6.5	6.6	
1602	14.8	342	3.4	89	6.4	6.6	D
1604	16.0	347	3.4	89	6.4	6.7	B
1606	8.1	36	3.4	89	6.4	6.6	D
1608	7.4	36	3.4	90	6.4	6.6	D
1610	12.2	13	3.5	90	6.4	6.6	D
1612	3.0	46	3.4	91	6.3	6.6	D
1614	4.3	30	3.4	91	6.2	6.6	B
1616	6.3	20	3.5	91	6.3	6.8	B
1618	7.1	246	3.5	90	6.3	6.8	B
1620	10.3	259	3.4	90	6.2	6.8	A
1622	11.6	259	3.4	90	6.3	6.8	A
1624	12.6	268	3.4	90	6.3	6.8	A
1626	14.2	280	3.4	90	6.4	6.8	A
1628	13.9	278	3.4	90	6.3	6.8	A
1630	13.4	268	3.4	89	6.3	6.8	A
1632	13.4	270	3.4	90	6.3	6.8	A
1634	13.7	266	3.4	91	6.3	6.9	A
1636	13.7	267	3.4	91	6.3	6.9	A
1638	15.1	269	3.4	91	6.3	7.0	A
1640	14.9	269	3.4	91	6.3	7.0	A
1642	13.8	255	3.4	93	6.3	6.9	A
1644	14.0	257	3.4	93	6.4	6.9	A
1646	15.7	262	3.4	93	6.3	6.9	A
1648	12.9	263	3.4	93	6.3	6.8	A
1650	12.8	259	3.4	92	6.2	6.7	A
1652	14.0	261	3.4	92	6.2	6.7	A
1654	14.0	262	3.4	93	6.3	6.7	A
1656	14.3	265	3.4	92	6.3	6.9	A
1658	15.6	265	3.4	91	6.3	7.0	A
1660	14.1	265	3.4	91	6.2	6.9	A
1662	17.1	277	3.4	92	6.3	6.8	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1664	18.5	271	3.4	92	6.4	6.9	A
1666	18.6	267	3.4	92	6.3	7.0	A
1668	20.1	264	3.4	92	6.3	7.1	A
1670			3.4	92	6.3	7.2	
1672			3.4	92	6.2	7.2	
1674			3.4	91	6.2	7.3	
1676			3.3	92	6.2	7.2	
1678			3.2	94	6.2	7.1	
1680			3.2	94	6.2	6.9	
1682			3.3	93	6.2	6.9	
1684			3.3	93	6.2	6.9	
1686	10.0	168	3.3	94	6.2	7.0	A
1688	9.9	169	3.2	96	6.2	7.0	A
1690	11.1	159	3.3	96	6.2	6.9	A
1692	14.8	147	3.4	95	6.3	6.7	A
1694	17.3	172	3.4	95	6.3	6.7	D
1696	17.6	160	3.4	95	6.3	6.7	D
1698	12.4	138	3.3	92	6.8	6.6	D
1700	12.5	136	3.2	91	6.8	6.5	D
1702			3.3	93	6.4	6.8	
1704			3.3	92	6.3	6.9	
1706	9.7	235	3.4	90	6.3	6.8	B
1708	10.0	235	3.4	90	6.3	6.8	B
1710	14.1	267	3.4	90	6.3	6.8	D
1712	15.5	274	3.4	91	6.3	6.7	D
1714	14.2	278	3.4	94	6.3	6.7	B
1716	14.7	278	3.5	96	6.3	6.7	B
1718	12.8	273	3.6	97	6.2	6.7	D
1720	14.7	256	3.5	97	6.2	6.7	B
1722	12.4	257	3.5	97	6.2	6.7	D
1724	18.2	279	3.5	97	6.2	6.7	D
1726			3.5	98	6.2	6.7	
1728			3.4	99	6.3	6.7	
1730	11.4	167	3.4	98	6.3	6.7	B
1732	14.2	152	3.4	98	6.3	6.8	D
1734			3.4	99	6.4	6.8	
1736	19.9	183	3.5	99	6.4	6.8	D
1738	15.6	280	3.6	98	6.5	6.7	D
1740	17.9	283	3.6	96	6.5	6.7	D
1742	15.3	288	3.6	95	6.4	6.7	D

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1744			3.6	97	6.4	6.7	
1746			3.6	98	6.4	6.7	
1748			3.6	98	6.4	6.7	
1750			3.6	98	6.4	6.6	
1752			3.6	97	6.4	6.6	
1754			3.6	97	6.4	6.6	
1756			3.6	96	6.5	6.6	
1758			3.6	95	6.4	6.6	
1760			3.6	93	6.4	6.6	
1762			3.6	89	6.4	6.6	
1764			3.6	87	6.3	6.6	
1766			3.6	88	6.2	6.6	
1768			3.6	90	6.3	6.6	
1770	22.9	286	3.6	90	6.4	6.5	B
1772	22.8	286	3.6	91	6.5	6.5	B
1774			3.6	92	6.5	6.6	
1776	22.5	293	3.6	91	6.5	6.6	B
1778	24.1	282	3.6	91	6.5	6.5	B
1780	25.1	283	3.6	93	6.6	6.5	B
1782	19.5	298	3.6	95	6.6	6.5	D
1784	4.2	288	3.6	95	6.5	6.5	B
1786	4.1	285	3.6	92	6.5	6.5	B
1788			3.6	91	6.5	6.6	
1790			3.6	92	6.5	6.5	
1792			3.6	93	6.5	6.5	
1794			3.6	93	6.5	6.5	
1796	10.3	290	3.6	92	6.5	6.5	D
1798	11.8	298	3.6	91	6.6	6.5	B
1800	7.0	268	3.6	93	6.5	6.5	B
1802	10.0	278	3.6	94	6.4	6.3	B
1804	8.4	275	3.6	95	6.4	6.4	D
1806			3.6	95	6.5	6.6	
1808	10.1	331	3.6	94	6.4	6.6	D
1810	8.7	293	3.6	93	6.4	6.6	C
1812	9.0	293	3.6	92	6.5	6.6	A
1814	10.6	301	3.6	93	6.5	6.6	C
1816	9.4	304	3.6	95	6.5	6.6	A
1818	9.3	312	3.6	97	6.4	6.6	A
1820	10.0	307	3.6	97	6.4	6.7	C
1822			3.6	98	6.3	6.7	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1824	10.2	319	3.6	98	6.3	6.7	A
1826	11.8	323	3.6	96	6.4	6.7	A
1828	10.3	320	3.6	95	6.4	6.6	A
1830	10.0	322	3.6	97	6.4	6.6	A
1832	7.6	332	3.6	97	6.4	6.6	A
1834	8.7	343	3.5	97	6.4	6.5	A
1836	6.5	319	3.4	97	6.4	6.5	A
1838	6.4	335	3.4	96	6.3	6.5	A
1840	8.0	304	3.4	96	6.3	6.4	A
1842	13.9	314	3.4	97	6.2	6.5	A
1844	15.6	312	3.4	97	6.2	6.6	A
1846	11.2	330	3.4	97	6.3	6.6	A
1848	10.9	327	3.4	96	6.4	6.6	A
1850	21.4	315	3.5	96	6.4	6.6	C
1852			3.6	97	6.4	6.7	
1854			3.5	97	6.4	6.7	
1856			3.5	95	6.4	6.7	
1858			3.4	94	6.4	6.8	
1860			3.4	93	6.4	6.8	
1862	9.4	326	3.4	92	6.3	6.8	D
1864			3.4	91	6.3	6.9	
1866	4.0	314	3.4	92	6.3	6.8	B
1868	5.0	318	3.4	93	6.4	6.7	D
1870	7.8	308	3.3	92	6.4	6.6	D
1872	3.7	235	3.3	90	6.3	6.6	A
1874	3.5	232	3.4	89	6.2	6.6	A
1876	2.6	286	3.4	88	6.3	6.7	A
1878	1.4	320	3.4	90	6.4	6.7	A
1880			3.4	92	6.5	6.7	
1882	1.7	355	3.4	92	6.5	6.6	B
1884	4.1	311	3.4	91	6.6	6.6	B
1886	7.2	266	3.4	92	6.6	6.6	B
1888			3.4	95	6.5	6.6	
1890	3.9	241	3.4	95	6.5	6.7	D
1892	2.3	168	3.4	93	6.5	6.7	D
1894	5.6	199	3.4	91	6.4	6.7	D
1896			3.4	90	6.4	6.7	
1898	9.7	168	3.4	90	6.4	6.8	B
1900			3.4	90	6.4	6.8	
1902			3.4	91	6.4	6.7	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1904	4.2	312	3.4	91	6.4	6.6	B
1906	4.0	303	3.4	92	6.5	6.6	B
1908			3.4	95	6.4	6.6	
1910	13.8	196	3.5	96	6.4	6.5	D
1912	7.2	259	3.6	97	6.5	6.5	D
1914	69.1	323	3.5	97	6.5	6.6	B
1916	69.0	323	3.4	97	6.5	6.6	B
1918	72.4	318	3.4	97	6.5	6.6	D
1920	73.0	324	3.4	96	6.6	6.6	D
1922	14.7	173	3.5	96	6.5	6.6	B
1924	14.0	171	3.5	97	6.5	6.6	D
1926			3.6	96	6.5	6.6	
1928	15.1	185	3.6	95	6.6	6.6	D
1930	10.2	160	3.6	95	6.8	6.6	B
1932	10.6	165	3.6	96	7.0	6.6	B
1934			3.6	96	7.2	6.5	
1936			3.6	96	7.2	6.5	
1938			3.6	97	7.0	6.5	
1940			3.5	98	6.6	6.3	
1942			3.4	98	6.5	6.2	
1944			3.4	97	6.5	6.3	
1946			3.4	99	6.5	6.6	
1948	6.4	238	3.4	99	6.6	6.6	B
1950	4.9	291	3.4	98	6.5	6.6	D
1952	5.3	266	3.4	98	6.4	6.6	B
1954	9.4	245	3.4	97	6.2	6.6	B
1956	9.7	242	3.4	96	6.2	6.6	B
1958			3.4	95	6.2	6.6	
1960	6.4	202	3.4	96	6.3	6.6	D
1962	5.8	221	3.5	98	6.4	6.7	D
1964	6.3	269	3.5	97	6.4	6.8	A
1966	8.2	267	3.5	97	6.4	6.8	A
1968	7.6	279	3.4	97	6.4	6.8	A
1970	6.1	260	3.4	96	6.4	6.7	C
1972	7.5	253	3.4	96	6.4	6.7	A
1974	6.7	261	3.5	97	6.3	6.9	A
1976	6.1	267	3.5	97	6.3	6.9	C
1978	6.1	303	3.4	98	6.3	6.9	C
1980	7.3	314	3.4	98	6.3	6.9	A
1982	7.7	321	3.4	98	6.4	6.8	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
1984	7.5	329	3.4	99	6.4	6.8	A
1986	9.4	337	3.4	99	6.4	6.7	A
1988	11.5	344	3.4	100	6.4	6.7	A
1990	12.1	352	3.4	100	6.4	6.7	A
1992	10.4	345	3.4	100	6.3	6.8	A
1994	7.3	350	3.4	99	6.3	6.7	A
1996	9.9	347	3.4	98	6.4	6.7	A
1998	11.2	342	3.4	98	6.4	6.7	A
2000	11.4	343	3.4	98	6.4	6.7	C
2002	10.0	329	3.4	98	6.4	6.7	A
2004	11.1	328	3.5	99	6.4	6.7	A
2006	10.5	328	3.6	102	6.5	6.7	A
2008	9.7	329	3.6	104	6.5	6.7	A
2010	10.3	329	3.6	104	6.5	6.7	A
2012	11.2	325	3.6	104	6.5	6.7	A
2014	12.7	331	3.6	103	6.5	6.7	A
2016	65.6	130	3.6	104	6.4	6.7	B
2018	14.0	331	3.6	104	6.4	6.7	A
2020	13.1	330	3.6	104	6.5	6.7	A
2022	11.6	331	3.6	104	6.5	6.6	A
2024	9.0	313	3.6	103	6.5	6.6	A
2026	8.2	305	3.6	104	6.5	6.6	A
2028	8.9	310	3.6	104	6.5	6.6	A
2030	10.6	308	3.6	104	6.5	6.7	A
2032	9.8	308	3.6	104	6.5	6.7	A
2034	7.9	312	3.6	104	6.5	6.7	A
2036	6.1	312	3.6	105	6.5	6.7	A
2038	6.9	307	3.6	105	6.5	6.7	A
2040	8.2	312	3.6	105	6.5	6.7	A
2042	8.2	313	3.6	106	6.5	6.7	A
2044	8.2	316	3.6	105	6.5	6.7	A
2046	7.1	325	3.6	105	6.5	6.8	A
2048	6.5	313	3.6	105	6.5	6.8	A
2050	5.1	293	3.6	106	6.5	6.9	A
2052			3.6	106	6.5	6.9	
2054			3.5	107	6.5	6.8	
2056			3.5	107	6.5	6.8	
2058	67.7	164	3.5	106	6.4	6.7	D
2060			3.5	106	6.4	6.7	
2062	15.6	146	3.5	105	6.5	6.7	D

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2064			3.5	105	6.5	6.8	
2066			3.4	105	6.5	6.8	
2068	14.7	162	3.4	105	6.3	6.7	D
2070			3.4	104	6.1	6.6	
2072	15.7	210	3.4	105	6.2	6.6	C
2074			3.4	108	6.5	6.7	
2076	13.6	246	3.5	109	6.6	6.7	C
2078	10.9	256	3.5	109	6.5	6.6	A
2080	11.3	250	3.5	109	6.5	6.6	A
2082	12.1	258	3.6	110	6.5	6.6	A
2084	12.2	238	3.6	109	6.5	6.6	C
2086	18.4	227	3.6	108	6.6	6.7	A
2088	21.0	229	3.5	108	6.6	6.7	A
2090			3.4	110	6.5	6.6	
2092			3.4	111	6.5	6.6	
2094	3.6	248	3.4	111	6.5	6.6	D
2096			3.4	111	6.5	6.6	
2098			3.4	111	6.4	6.7	
2100			3.4	111	6.4	6.7	
2102	8.9	300	3.4	110	6.4	6.7	B
2104	4.2	280	3.4	109	6.2	6.7	B
2106	4.5	269	3.4	110	6.2	6.6	B
2108	7.5	284	3.4	110	6.2	6.6	B
2110	1.9	277	3.4	111	6.3	6.6	A
2112	1.7	261	3.4	112	6.3	6.7	A
2114	1.6	221	3.4	112	6.3	6.7	A
2116	2.2	253	3.4	112	6.3	6.7	A
2118	2.6	227	3.4	111	6.3	6.7	A
2120	1.9	235	3.4	112	6.4	6.6	A
2122	2.8	208	3.4	112	6.4	6.6	A
2124	5.4	186	3.4	112	6.4	6.5	B
2126	8.5	180	3.4	112	6.3	6.4	B
2128	42.5	161	3.4	112	6.3	6.4	D
2130	35.8	157	3.3	112	6.4	6.3	B
2132			3.3	111	6.3	6.2	
2134			3.4	110	6.3	6.1	
2136			3.4	110	6.5	6.1	
2138			3.4	112	6.7	6.2	
2140			3.3	114	6.7	6.2	
2142	3.7	6	3.3	115	6.3	6.3	D

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2144	5.5	22	3.2	114	6.0	6.2	D
2146	0.9	101	3.2	112	6.0	6.2	D
2148	3.8	288	3.3	112	6.1	6.2	D
2150	5.7	161	3.3	113	6.2	6.2	D
2152	66.0	222	3.3	114	6.2	6.2	B
2154			3.3	115	6.2	6.3	
2156			3.3	114	6.4	6.3	
2158			3.3	113	6.6	6.2	
2160			3.2	114	6.4	6.2	
2162	75.1	300	3.2	115	6.4	6.3	D
2164	73.4	298	3.2	116	6.3	6.2	D
2166			3.2	116	6.2	6.3	
2168			3.2	115	6.2	6.4	
2170			3.1	115	6.2	6.4	
2172			3.1	114	6.1	6.3	
2174			3.0	113	6.1	6.3	
2176			3.0	113	6.1	6.2	
2178			3.0	113	6.1	6.2	
2180			3.0	114	6.1	6.3	
2182			3.0	115	6.1	6.3	
2184			3.0	116	6.0	6.3	
2186			3.0	119	5.9	6.3	
2188			3.0	119	5.9	6.3	
2190			3.0	118	5.9	6.2	
2192			3.0	118	6.0	6.2	
2194			3.0	118	5.9	6.2	
2196			3.0	116	5.9	6.2	
2198			3.0	114	5.9	6.2	
2200			3.0	115	5.9	6.2	
2202			3.0	116	5.9	6.2	
2204			3.0	116	5.9	6.3	
2206			3.0	114	6.0	6.4	
2208			3.0	115	6.0	6.3	
2210			3.0	116	6.0	6.2	
2212			3.0	115	6.0	6.2	
2214			3.0	112	6.1	6.2	
2216			3.0	111	6.2	6.2	
2218			3.0	111	6.2	6.3	
2220			3.0	112	6.2	6.3	
2222			3.0	112	6.2	6.3	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2224			3.0	112	6.2	6.3	
2226			3.0	112	6.2	6.3	
2228			3.0	114	6.2	6.2	
2230			3.0	116	6.1	6.1	
2232			3.0	116	6.1	6.2	
2234			3.0	116	6.2	6.3	
2236			2.9	117	6.2	6.4	
2238			2.8	119	6.2	6.4	
2240			2.8	119	6.2	6.7	
2242			2.8	119	6.1	7.3	
2244			2.8	118	6.2	7.2	
2246			2.8	117	6.3	7.0	
2248			2.8	116	6.3	7.2	
2250			2.8	115	6.2	7.1	
2252			2.8	116	6.2	7.2	
2254			2.8	116	6.2	7.0	
2256			2.7	114	6.3	6.7	
2258	19.7	205	2.7	113	6.3	6.8	B
2260	19.0	209	2.6	113	6.2	6.8	B
2262	18.8	190	2.6	115	6.2	6.7	D
2264	26.6	204	2.6	114	6.2	6.6	D
2266	22.1	207	2.6	111	6.2	6.6	D
2268	20.6	217	2.7	111	6.2	6.7	D
2270			2.8	112	6.3	6.7	
2272	13.0	240	2.7	112	6.3	6.7	D
2274	20.1	234	2.7	112	6.3	6.6	B
2276	19.4	214	2.7	111	6.3	6.6	B
2278	19.1	206	2.6	111	6.3	6.5	A
2280	20.8	219	2.6	111	6.2	6.4	A
2282	19.9	214	2.6	109	6.3	6.4	A
2284	16.9	222	2.6	109	6.4	6.5	A
2286	52.7	115	2.6	110	6.3	6.3	B
2288	52.5	110	2.5	115	6.3	6.3	B
2290	12.0	237	2.5	117	6.2	6.4	A
2292	11.4	239	2.4	117	6.2	6.4	A
2294	12.3	231	2.5	117	6.3	6.6	A
2296	13.1	223	2.6	114	6.4	6.6	C
2298	10.3	198	2.6	110	6.4	6.6	A
2300	11.1	182	2.6	110	6.5	6.5	A
2302	7.8	189	2.6	112	6.4	6.5	A

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2304	6.6	213	2.6	112	6.4	6.5	A
2306	6.5	227	2.5	113	6.3	6.5	A
2308	5.2	197	2.5	114	6.2	6.3	C
2310	6.0	184	2.4	114	6.2	6.1	A
2312	3.4	169	2.4	110	6.2	6.2	A
2314			2.4	107	6.1	6.4	
2316			2.4	105	6.1	6.4	
2318			2.4	104	6.3	6.3	
2320	8.6	257	2.4	104	6.3	6.3	A
2322	8.3	252	2.5	104	6.2	6.4	A
2324	7.6	262	2.6	106	6.3	6.5	A
2326	7.3	294	2.6	110	6.4	6.5	A
2328	8.3	287	2.6	112	6.3	6.6	B
2330			2.6	113	6.1	6.5	
2332			2.6	114	6.0	6.4	
2334	10.7	307	2.6	113	5.9	6.3	B
2336	9.1	306	2.6	112	5.9	6.2	D
2338	17.9	303	2.6	110	5.9	6.2	D
2340	19.2	298	2.6	108	5.9	6.2	D
2342			2.6	106	5.9	6.1	
2344	7.8	347	2.6	104	5.9	6.2	D
2346			2.6	106	5.8	6.3	
2348			2.6	109	5.9	6.3	
2350			2.6	109	6.1	6.5	
2352			2.6	107	6.2	6.7	
2354			2.6	106	5.9	6.7	
2356			2.6	106	5.8	6.5	
2358			2.6	109	5.9	6.3	
2360			2.6	109	6.1	6.3	
2362			2.6	106	6.1	6.3	
2364			2.6	103	6.2	6.3	
2366			2.6	100	6.4	6.1	
2368			2.6	97	6.3	6.1	
2370			2.6	97	6.3	6.4	
2372			2.6	100	6.2	6.3	
2374			2.6	101	6.1	6.2	
2376			2.5	100	6.3	6.4	
2378			2.5	103	6.0	6.4	
2380			2.5	105	5.9	6.3	
2382			2.5	105	6.2	6.6	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2384	43.3	230	2.5	105	6.3	6.6	D
2386	39.4	224	2.6	105	6.3	6.4	D
2388			2.6	107	6.3	6.4	
2390			2.6	108	6.3	6.2	
2392			2.6	107	6.3	6.3	
2394			2.6	106	6.1	6.3	
2396			2.6	105	6.1	6.1	
2398			2.6	104	6.2	6.3	
2400			2.6	104	6.2	6.6	
2402			2.6	104	6.3	6.7	
2404			2.6	104	6.3	6.6	
2406			2.6	103	6.1	6.3	
2408			2.6	104	6.1	6.0	
2410			2.6	104	6.1	6.2	
2412			2.6	102	6.0	6.5	
2414			2.6	101	6.0	6.6	
2416			2.6	104	6.1	6.7	
2418			2.6	105	6.2	6.8	
2420			2.7	105	6.2	7.2	
2422			2.7	106	6.2	7.1	
2424			2.7	106	6.2	6.7	
2426			2.8	105	6.2	6.7	
2428			2.7	105	6.2	7.0	
2430			2.6	104	6.2	7.4	
2432			2.5	104	6.2	7.1	
2434			2.4	102	6.3	6.7	
2436			2.4	103	6.3	6.5	
2438			2.4	103	6.2	6.4	
2440			2.4	101	6.2	6.5	
2442			2.4	99	6.2	6.6	
2444			2.4	100	6.1	6.9	
2446			2.5	104	6.1	6.7	
2448			2.6	105	6.2	6.4	
2450			2.7	104	6.2	6.4	
2452			2.8	104	6.1	6.3	
2454			2.8	105	6.1	6.4	
2456			2.8	106	6.1	6.4	
2458			2.7	105	6.1	6.7	
2460			2.7	105	6.1	7.1	
2462			2.6	105	6.2	7.0	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2464			2.5	102	6.2	6.5	
2466			2.4	98	5.8	6.2	
2468			2.4	100	5.0	5.9	
2470			2.4	104	4.8	6.0	
2472	5.2	244	2.5	108	5.4	6.2	D
2474	13.7	216	2.6	114	5.7	6.2	B
2476	11.7	204	2.6	116	5.8	6.4	B
2478			2.6	115	6.0	6.4	
2480	17.2	224	2.6	112	6.0	6.3	D
2482	14.5	221	2.6	110	5.8	6.3	D
2484	12.4	229	2.6	110	6.0	6.4	D
2486	18.5	197	2.6	108	6.2	6.4	D
2488			2.6	107	6.2	6.4	
2490			2.6	105	6.2	6.4	
2492			2.6	104	6.3	6.3	
2494			2.6	105	6.3	6.3	
2496			2.6	105	6.3	6.3	
2498			2.7	107	6.5	6.4	
2500			2.6	109	6.5	6.5	
2502			2.6	112	6.3	6.6	
2504			2.7	113	6.0	6.5	
2506			2.7	112	5.9	6.3	
2508			2.7	112	5.9	6.2	
2510			2.8	112	6.0	6.3	
2512			2.7	112	6.0	6.4	
2514	25.6	233	2.6	112	6.0	6.5	D
2516	24.3	235	2.6	112	5.9	6.6	D
2518			2.6	110	5.8	6.5	
2520	34.2	228	2.6	109	5.9	6.4	D
2522			2.6	110	5.9	6.4	
2524	28.8	233	2.6	109	5.9	6.5	D
2526	26.9	229	2.6	107	6.0	6.6	D
2528	18.5	232	2.6	106	6.1	6.6	D
2530	11.1	223	2.6	105	6.0	6.5	D
2532			2.6	104	6.0	6.5	
2534			2.6	104	6.1	6.7	
2536			2.6	104	6.1	6.8	
2538	64.2	222	2.6	105	6.1	6.9	B
2540	63.9	222	2.5	106	6.1	6.8	B
2542	8.0	228	2.5	105	6.1	6.7	D

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2544	12.6	244	2.5	104	6.2	6.7	B
2546	13.1	242	2.6	101	6.2	6.8	B
2548	10.7	230	2.6	99	6.2	6.8	D
2550			2.6	95	6.0	6.8	
2552			2.6	92	6.0	6.8	
2554	13.8	236	2.6	86	6.0	6.7	D
2556	17.1	234	2.6	85	6.0	6.6	B
2558	16.5	226	2.6	83	6.1	6.7	B
2560	17.4	224	2.6	82	6.1	6.6	D
2562	18.5	221	2.6	83	6.1	6.6	D
2564			2.6	86	6.0	6.6	
2566			2.6	89	6.1	6.6	
2568			2.6	89	6.2	6.6	
2570			2.6	82	6.2	6.6	
2572			2.6	79	6.0	6.5	
2574			2.6	84	5.8	6.3	
2576			2.6	84	5.8	6.3	
2578			2.5	80	5.9	6.3	
2580			2.5	79	6.1	6.5	
2582			2.4	81	6.1	6.6	
2584			2.4	83	6.0	6.5	
2586			2.4	81	6.0	6.5	
2588			2.4	79	6.0	6.6	
2590			2.4	77	6.0	6.6	
2592			2.4	76	5.9	6.6	
2594			2.4	73	6.0	6.6	
2596			2.4	70	6.0	6.7	
2598			2.5	68	5.9	6.8	
2600			2.6	68	5.8	6.7	
2602			2.6	71	5.8	6.6	
2604			2.6	70	5.8	6.5	
2606			2.6	71	5.9	6.4	
2608	37.8	200	2.6	72	5.9	6.4	D
2610	46.6	213	2.6	70	5.9	6.5	D
2612			2.6	70	5.8	6.5	
2614			2.5	66	5.8	6.4	
2616			2.5	66	5.8	6.4	
2618	41.2	209	2.6	70	5.8	6.4	B
2620	41.3	200	2.6	71	5.8	6.4	D
2622			2.5	70	5.7	6.4	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2624			2.4	69	5.7	6.5	
2626			2.4	69	5.8	6.7	
2628			2.4	66	5.7	6.8	
2630			2.4	62	5.8	6.9	
2632			2.4	61	5.8	6.8	
2634			2.4	62	5.8	6.7	
2636			2.4	60	5.8	6.7	
2638	15.0	57	2.4	56	5.8	6.5	B
2640	13.9	56	2.4	52	5.8	6.6	B
2642			2.4	50	5.8	6.6	
2644			2.4	51	5.8	6.4	
2646			2.4	53	5.7	6.2	
2648	15.1	202	2.4	53	5.7	6.2	D
2650	16.0	200	2.4	53	5.7	6.2	D
2652			2.4	52	5.7	6.2	
2654			2.5	51	5.7	6.1	
2656			2.6	53	5.8	6.1	
2658			2.5	54	5.8	6.2	
2660			2.4	52	5.8	6.3	
2662			2.4	50	5.7	6.3	
2664			2.4	47	5.8	6.1	
2666			2.4	46	5.8	6.1	
2668			2.4	47	5.8	6.2	
2670			2.4	48	5.9	6.2	
2672			2.5	49	6.0	6.2	
2674			2.4	50	5.9	6.2	
2676			2.4	52	5.8	6.1	
2678			2.4	50	5.8	6.0	
2680			2.4	47	5.8	6.0	
2682			2.5	47	5.8	5.9	
2684			2.5	47	5.8	5.9	
2686			2.5	47	5.8	6.0	
2688			2.6	47	5.9	6.1	
2690	38.2	162	2.5	47	6.0	6.2	B
2692	39.2	164	2.4	47	6.0	6.2	D
2694			2.4	47	6.0	6.2	
2696			2.4	45	5.9	6.2	
2698			2.4	44	6.1	6.1	
2700			2.4	43	6.0	6.1	
2702			2.4	41	6.0	6.0	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2704			2.4	39	6.0	6.0	
2706			2.4	39	6.0	6.1	
2708			2.4	39	6.0	6.2	
2710			2.3	38	6.1	6.2	
2712	10.1	97	2.2	37	5.9	6.2	C
2714	16.6	101	2.2	35	5.8	6.2	A
2716	17.8	86	2.2	32	5.8	6.0	A
2718	20.7	85	2.2	34	5.7	5.9	A
2720	23.3	74	2.2	34	5.7	5.8	A
2722	23.2	77	2.2	31	5.8	5.9	A
2724	22.7	72	2.3	30	5.9	6.0	A
2726	55.2	62	2.4	27	5.9	6.0	B
2728	57.4	51	2.4	24	5.8	5.9	B
2730			2.4	24	5.7	5.9	
2732			2.4	25	5.8	6.0	
2734			2.4	26	6.0	6.1	
2736			2.4	28	6.1	6.0	
2738			2.3	28	6.3	6.0	
2740			2.2	26	6.4	6.2	
2742			2.2	28	6.5	6.2	
2744			2.1	32	6.6	6.2	
2746			2.1	32	6.6	6.3	
2748			2.0	32	6.7	6.2	
2750			2.0	32	7.0	6.3	
2752			2.0	29	7.0	6.4	
2754			2.1	26	6.8	6.3	
2756	16.0	82	2.1	28	6.7	6.3	D
2758	17.7	85	2.0	28	6.7	6.4	D
2760			2.0	25	6.6	6.3	
2762	11.8	101	2.0	25	6.6	6.4	B
2764	11.3	101	2.0	29	6.7	6.4	B
2766	5.2	124	2.1	32	6.9	6.4	D
2768			2.1	31	6.8	6.4	
2770			2.2	27	6.6	6.1	
2772			2.2	24	6.4	6.1	
2774			2.2	23	6.3	6.4	
2776			2.2	24	6.3	6.6	
2778			2.2	22	6.2	6.6	
2780	28.0	109	2.2	21	6.2	6.6	B
2782	28.1	101	2.2	24	6.1	6.5	B

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2784			2.2	23	6.1	6.4	
2786	47.1	96	2.2	20	6.2	6.4	B
2788			2.2	20	6.3	6.3	
2790			2.1	20	6.5	6.2	
2792			2.1	16	6.5	6.3	
2794			2.0	12	6.3	6.4	
2796			2.1	12	6.2	6.5	
2798	42.2	230	2.2	17	6.2	6.5	B
2800	46.8	223	2.2	22	6.2	6.5	B
2802			2.2	21	6.1	6.5	
2804			2.3	20	6.1	6.6	
2806			2.3	21	6.1	6.9	
2808			2.2	22	6.1	7.0	
2810			2.2	22	6.1	7.0	
2812			2.2	22	6.1	6.9	
2814			2.2	22	6.0	6.7	
2816			2.2	21	5.9	6.6	
2818			2.2	20	6.0	6.6	
2820			2.2	21	5.9	6.6	
2822			2.2	24	5.9	6.7	
2824			2.2	26	5.9	6.8	
2826			2.2	27	6.0	7.0	
2828			2.2	27	6.0	6.9	
2830			2.2	23	6.0	6.8	
2832			2.2	21	6.0	6.9	
2834			2.2	20	5.9	6.8	
2836			2.2	20	5.8	6.8	
2838			2.1	17	5.8	6.8	
2840	55.2	142	2.0	13	5.8	6.9	B
2842	55.2	144	2.0	10	5.8	7.1	B
2844	54.4	147	2.0	9	5.9	7.1	B
2846	57.8	145	2.0	5	5.9	7.1	D
2848	34.2	109	2.0	359	6.0	7.2	D
2850			2.0	349	6.1	7.2	
2852	34.1	137	2.0	342	6.1	7.2	D
2854			2.0	342	6.2	7.3	
2856	36.0	134	2.0	345	6.1	7.3	D
2858	40.0	129	2.0	344	6.1	7.1	B
2860	35.5	108	2.0	342	6.1	6.9	B
2862	34.1	105	2.0	341	6.1	6.6	B

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2864	43.9	105	2.0	338	6.0	6.5	D
2866	45.5	105	2.0	335	6.1	6.5	D
2868			2.0	332	6.1	6.6	
2870			2.0	327	6.0	6.6	
2872			2.0	323	6.1	6.6	
2874			2.0	322	6.1	6.6	
2876			2.1	322	6.0	6.5	
2878			2.2	324	6.0	6.5	
2880			2.2	326	6.1	6.4	
2882			2.2	326	6.0	6.2	
2884			2.2	323	6.0	6.2	
2886			2.2	323	6.1	6.2	
2888			2.2	325	6.1	6.1	
2890			2.2	322	6.0	6.0	
2892			2.2	319	5.9	6.0	
2894			2.2	320	5.9	6.1	
2896	41.1	223	2.2	319	6.1	6.3	D
2898	39.0	224	2.2	316	6.2	6.4	B
2900	38.9	231	2.2	318	6.2	6.4	D
2902			2.2	321	6.1	6.5	
2904			2.3	321	6.2	6.7	
2906	36.0	216	2.4	321	6.2	6.7	D
2908			2.3	321	6.2	6.7	
2910			2.4	318	6.1	6.6	
2912	52.0	221	2.4	319	5.9	6.3	D
2914	48.3	220	2.4	323	5.7	6.0	B
2916	48.5	223	2.4	324	5.6	5.8	B
2918			2.4	323	5.6	5.9	
2920			2.4	322	5.8	6.0	
2922			2.4	321	5.7	5.9	
2924	39.7	223	2.4	320	5.8	5.9	D
2926			2.4	322	5.8	5.9	
2928	61.4	266	2.4	322	5.8	5.9	D
2930			2.4	319	5.8	5.9	
2932			2.4	318	5.8	6.0	
2934			2.3	316	5.8	6.0	
2936	66.6	353	2.3	312	5.8	6.0	D
2938	62.0	348	2.2	312	5.8	5.9	D
2940	52.1	264	2.3	313	5.8	5.9	D
2942			2.3	314	5.7	5.8	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
2944	56.9	265	2.4	316	5.7	5.7	D
2946	55.9	267	2.4	318	5.9	5.7	D
2948			2.4	318	6.2	5.9	
2950			2.5	317	6.2	6.1	
2952			2.6	317	6.1	6.1	
2954			2.5	314	5.9	6.0	
2956			2.4	312	5.8	6.0	
2958			2.4	310	5.7	6.0	
2960			2.4	310	5.7	6.0	
2962			2.4	310	5.7	6.1	
2964			2.3	308	5.8	6.3	
2966			2.4	308	5.8	6.4	
2968			2.4	311	5.7	6.3	
2970	59.2	202	2.4	313	5.8	6.2	B
2972	50.0	215	2.5	310	6.0	6.1	D
2974			2.5	302	6.1	6.0	
2976			2.5	297	6.2	5.9	
2978	53.3	204	2.6	299	6.3	6.0	D
2980	54.1	206	2.6	307	6.3	6.1	B
2982	54.1	204	2.5	310	6.2	6.0	B
2984			2.5	311	6.2	5.9	
2986	59.4	210	2.6	313	6.2	6.0	D
2988	54.2	202	2.6	313	6.2	6.0	D
2990	52.3	199	2.6	311	6.1	5.9	B
2992	46.4	203	2.6	309	6.1	5.9	B
2994	42.1	180	2.6	308	6.1	5.9	D
2996	40.7	179	2.6	310	6.1	5.8	B
2998	43.2	177	2.6	314	6.0	5.9	D
3000			2.6	315	6.0	6.2	
3002			2.6	314	5.9	6.3	
3004			2.6	313	6.0	6.1	
3006			2.6	313	6.1	6.1	
3008			2.6	312	6.1	6.2	
3010			2.6	311	6.1	6.3	
3012			2.6	311	6.1	6.2	
3014			2.6	311	6.0	6.1	
3016			2.6	311	6.0	6.1	
3018			2.6	310	6.0	6.1	
3020			2.7	308	6.0	6.1	
3022			2.8	310	6.0	6.0	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3024			2.8	311	5.9	5.9	
3026			2.8	312	6.0	6.2	
3028			2.8	311	6.1	6.3	
3030			2.8	310	6.0	6.2	
3032			2.8	310	5.8	6.2	
3034			2.8	310	5.8	6.1	
3036			2.7	310	5.8	6.1	
3038			2.7	307	5.8	6.1	
3040			2.8	304	5.8	6.0	
3042			2.7	304	5.8	5.9	
3044			2.7	304	5.8	5.9	
3046			2.8	301	5.8	5.9	
3048			2.8	300	5.7	5.8	
3050			2.7	302	5.8	5.9	
3052			2.6	304	5.8	5.9	
3054			2.6	301	5.9	5.9	
3056			2.6	299	5.9	5.9	
3058			2.6	301	5.9	5.8	
3060			2.7	301	5.9	5.8	
3062			2.6	298	6.0	5.9	
3064			2.6	297	6.0	5.9	
3066			2.6	300	6.0	5.9	
3068			2.7	303	6.2	5.9	
3070			2.8	304	6.1	5.9	
3072			2.8	304	5.9	6.0	
3074			2.9	303	5.7	6.1	
3076			2.9	304	5.7	6.0	
3078			3.0	303	5.7	6.0	
3080			3.0	302	5.6	6.1	
3082			3.0	304	5.6	6.1	
3084			3.1	305	5.6	6.1	
3086			3.0	306	5.7	6.1	
3088			3.0	307	5.7	6.0	
3090			3.0	307	5.7	6.0	
3092			3.1	305	5.6	6.1	
3094			3.1	305	5.6	6.1	
3096			3.0	304	5.6	6.1	
3098			3.0	304	5.6	6.1	
3100			3.0	306	5.8	6.2	
3102			3.1	305	5.9	6.0	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3104			3.2	304	5.8	5.9	
3106			3.2	303	5.7	5.9	
3108	30.7	213	3.2	303	5.7	6.0	D
3110	33.6	212	3.1	303	5.6	5.8	D
3112	36.6	210	3.1	305	5.6	5.8	B
3114	36.7	217	3.1	306	5.7	5.9	B
3116			3.2	304	5.7	5.9	
3118			3.2	300	5.8	6.0	
3120	27.1	217	3.2	301	5.9	6.0	D
3122			3.2	302	5.9	6.0	
3124			3.2	301	5.8	6.0	
3126			3.2	299	5.8	6.0	
3128			3.2	300	5.8	6.0	
3130	3.7	99	3.3	303	5.8	6.1	B
3132	3.9	97	3.4	306	5.8	6.0	D
3134			3.4	308	5.8	6.0	
3136			3.4	309	5.8	5.9	
3138			3.4	307	5.7	5.9	
3140			3.4	306	5.8	6.0	
3142			3.4	307	5.8	6.1	
3144			3.4	306	5.8	6.1	
3146			3.4	305	5.8	6.1	
3148			3.4	302	5.8	6.1	
3150			3.3	297	5.7	6.0	
3152			3.2	297	5.2	5.6	
3154			3.1	298	4.6	5.2	
3156			3.0	296	4.7	5.1	
3158			3.1	291	5.1	5.5	
3160			3.2	286	5.5	5.9	
3162			3.3	289	5.8	6.0	
3164			3.4	293	5.9	6.0	
3166			3.4	294	5.9	6.0	
3168			3.4	292	5.8	6.0	
3170			3.4	290	5.8	6.1	
3172			3.4	290	5.8	6.1	
3174			3.4	292	5.8	6.1	
3176			3.4	294	5.8	6.1	
3178			3.4	293	5.8	6.1	
3180			3.4	292	5.8	6.1	
3182			3.4	290	5.9	6.1	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3184			3.4	287	5.9	6.1	
3186			3.4	285	5.9	6.2	
3188			3.4	285	5.9	6.2	
3190			3.4	284	5.8	6.1	
3192			3.4	285	5.7	6.1	
3194			3.5	288	5.7	6.2	
3196			3.6	290	5.7	6.1	
3198			3.6	289	5.8	6.1	
3200			3.6	286	5.8	6.1	
3202			3.6	286	5.8	6.1	
3204			3.6	287	5.8	6.1	
3206			3.6	288	5.8	6.2	
3208			3.7	288	5.7	6.1	
3210			3.7	287	5.7	6.1	
3212			3.8	287	5.8	6.0	
3214			3.8	286	5.8	6.0	
3216			3.8	284	5.8	6.0	
3218			3.8	282	5.8	6.1	
3220			3.8	283	5.8	6.1	
3222			3.8	284	5.8	6.1	
3224			3.9	283	5.8	6.0	
3226			4.0	282	5.8	6.0	
3228			4.0	282	5.8	6.0	
3230			4.0	283	5.8	5.9	
3232			4.0	285	5.8	5.9	
3234			4.0	284	5.8	6.0	
3236			4.1	284	5.8	6.1	
3238			4.2	285	5.9	6.1	
3240			4.2	286	5.8	6.0	
3242			4.2	285	5.8	5.9	
3244			4.2	285	5.8	5.9	
3246			4.2	287	5.8	6.1	
3248			4.2	288	5.8	6.0	
3250			4.2	287	5.6	5.8	
3252			4.2	287	5.5	5.8	
3254	71.5	215	4.2	288	5.5	5.8	D
3256	69.2	216	4.2	289	5.5	5.8	B
3258			4.1	289	5.7	5.8	
3260			4.0	287	5.7	5.9	
3262			4.1	288	5.7	6.0	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3264	65.6	214	4.1	290	5.6	5.9	B
3266			4.1	290	5.7	5.9	
3268			4.1	289	5.9	6.2	
3270			4.0	288	6.1	6.4	
3272			4.0	288	6.2	6.3	
3274	62.0	3	4.0	287	6.2	6.3	D
3276	65.1	356	4.0	287	6.2	6.3	B
3278			4.0	287	6.2	6.2	
3280			4.0	285	6.1	6.3	
3282			4.0	285	6.1	6.4	
3284	71.9	355	4.0	285	6.2	6.4	D
3286			4.0	285	6.2	6.3	
3288			3.9	285	6.2	6.4	
3290			3.9	286	5.9	6.1	
3292			4.0	286	5.6	5.8	
3294			4.0	284	5.3	5.6	
3296			4.0	284	5.3	5.7	
3298			3.9	285	5.4	5.8	
3300			3.8	283	5.4	5.7	
3302			3.8	281	5.3	5.6	
3304			3.8	283	5.4	5.7	
3306			3.8	285	5.6	5.9	
3308			3.8	285	5.8	5.9	
3310			3.8	284	5.8	5.9	
3312			3.9	283	5.8	6.0	
3314			4.0	283	5.8	6.1	
3316			4.0	284	5.7	6.0	
3318			4.0	283	5.8	5.9	
3320			4.0	281	5.6	5.8	
3322			4.0	278	5.6	5.7	
3324			3.9	279	5.7	5.8	
3326			3.8	281	5.7	5.9	
3328			3.8	282	5.8	5.9	
3330			3.8	284	5.8	6.1	
3332	53.3	256	3.7	283	5.8	6.1	B
3334	52.2	254	3.7	283	5.8	6.2	D
3336			3.6	283	5.9	6.2	
3338			3.6	283	6.0	6.3	
3340			3.6	284	6.0	6.3	
3342			3.7	285	6.0	6.2	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3344			3.7	287	5.9	6.2	
3346			3.7	288	6.0	6.2	
3348			3.7	290	6.0	6.2	
3350			3.6	292	6.1	6.2	
3352			3.7	292	6.1	6.3	
3354			3.8	291	6.1	6.3	
3356			3.8	292	6.1	6.4	
3358			3.9	292	5.9	6.2	
3360			3.9	292	5.8	6.1	
3362			4.0	292	5.8	6.0	
3364			4.0	290	5.7	5.9	
3366			4.0	290	5.8	6.0	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3062			3.0	302	5.9	5.8	
3064			3.0	306	5.9	5.9	
3066			3.0	307	5.9	5.9	
3068			3.0	308	6.1	5.9	
3070			3.0	309	6.1	5.9	
3072			3.0	308	5.9	6.0	
3074			3.0	306	5.7	6.1	
3076			3.0	305	5.7	5.9	
3078			3.0	307	5.6	5.9	
3080			3.0	307	5.6	6.1	
3082			3.0	306	5.5	6.1	
3084			3.0	309	5.5	6.1	
3086			3.0	310	5.6	6.1	
3088			3.0	309	5.6	6.0	
3090			3.0	308	5.6	6.0	
3092			3.0	309	5.5	6.1	
3094			3.0	310	5.5	6.1	
3096			3.0	310	5.5	6.1	
3098			3.1	309	5.5	6.1	
3100			3.1	309	5.8	6.1	
3102			3.2	309	5.8	6.0	
3104			3.2	309	5.8	5.8	
3106			3.2	309	5.7	5.9	
3108			3.1	308	5.6	5.9	
3110			3.1	307	5.6	5.8	
3112			3.1	309	5.6	5.7	
3114			3.2	310	5.7	5.8	
3116			3.2	308	5.7	5.9	
3118			3.2	306	5.7	5.9	
3120			3.1	304	5.8	5.9	
3122			3.0	303	5.8	5.9	
3124			3.1	302	5.8	5.9	
3126			3.1	304	5.8	5.9	
3128			3.1	305	5.8	6.0	
3130	3.1	155	3.1	304	5.8	5.9	B
3132	6.8	151	3.0	307	5.8	5.9	D
3134			3.0	308	5.7	5.9	
3136			3.0	307	5.7	5.8	
3138			3.0	303	5.7	5.8	
3140			3.1	301	5.7	5.9	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3142	30.1	162	3.1	301	5.7	6.0	D
3144	28.1	171	3.0	302	5.8	6.0	D
3146			3.0	302	5.8	6.1	
3148			3.0	300	5.8	6.1	
3150			3.0	298	5.8	6.0	
3152			2.9	298	5.8	5.8	
3154			2.9	296	5.7	5.8	
3156			3.0	296	5.7	5.6	
3158			3.0	298	5.6	5.4	
3160			3.0	297	5.6	5.7	
3162			3.1	296	5.8	6.1	
3164			3.2	294	5.9	6.2	
3166			3.2	293	5.8	6.2	
3168			3.2	293	5.8	6.2	
3170			3.2	292	5.8	6.2	
3172			3.1	292	5.8	6.2	
3174			3.1	290	5.7	6.2	
3176			3.2	288	5.7	6.2	
3178			3.2	287	5.8	6.2	
3180			3.3	284	5.8	6.2	
3182			3.3	280	5.7	6.1	
3184			3.4	281	5.8	6.1	
3186			3.4	279	5.8	6.2	
3188	41.5	218	3.4	279	5.7	6.1	D
3190	49.8	205	3.4	281	5.3	5.9	D
3192			3.4	283	4.8	5.6	
3194			3.4	284	4.8	5.6	
3196	74.4	69	3.4	288	5.3	5.7	D
3198	72.7	72	3.5	291	5.5	5.8	D
3200			3.6	290	5.7	6.0	
3202			3.6	287	5.7	6.1	
3204			3.7	288	5.7	6.2	
3206	41.0	218	3.8	289	5.7	6.2	D
3208			3.8	287	5.7	6.1	
3210			3.8	285	5.7	6.1	
3212			3.8	285	5.8	6.1	
3214			3.8	284	5.8	6.1	
3216			3.8	281	5.8	6.1	
3218			3.8	281	5.7	6.2	
3220	62.7	237	3.9	281	5.7	6.2	B

DEPTH	FORMATION DIP	FORMATION DIP AZI.	DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3222	62.0	243	3.9	281	5.7	6.2	B
3224			4.0	280	5.8	6.1	
3226			4.0	281	5.8	6.1	
3228			4.0	283	5.8	6.1	
3230			4.0	284	5.8	6.2	
3232			4.0	284	5.7	6.2	
3234			4.0	284	5.7	6.1	
3236			4.0	283	5.8	6.2	
3238			4.1	284	5.8	6.2	
3240			4.2	285	5.7	6.1	
3242			4.2	285	5.7	6.0	
3244			4.3	284	5.7	6.1	
3246			4.4	284	5.7	6.1	
3248			4.4	284	5.7	6.0	
3250			4.3	285	5.5	5.9	
3252			4.2	287	5.4	5.9	
3254	72.2	211	4.2	288	5.4	5.9	D
3256	70.3	210	4.2	287	5.5	5.9	B
3258			4.2	287	5.6	5.9	
3260			4.2	287	5.7	6.0	
3262			4.2	286	5.6	6.1	
3264	65.0	210	4.1	288	5.5	6.0	B
3266	65.3	210	4.0	289	5.6	6.1	D
3268			4.0	289	6.0	6.3	
3270			4.0	288	6.1	6.5	
3272			4.0	286	6.2	6.5	
3274	63.4	3	4.0	287	6.2	6.4	B
3276	61.3	6	4.0	287	6.2	6.4	D
3278			3.9	287	6.2	6.4	
3280			3.8	285	6.1	6.5	
3282			3.8	285	6.1	6.6	
3284			3.8	287	6.2	6.5	
3286			3.7	287	6.1	6.5	
3288			3.7	286	6.1	6.4	
3290			3.8	288	5.9	6.2	
3292			3.8	287	5.5	5.8	
3294			3.8	285	5.4	5.7	
3296			3.8	285	5.5	5.7	
3298			3.8	284	5.6	5.7	
3300			3.7	281	5.4	5.6	

DEPTH	FORMATION DIP	FORMATION DIP AZI.	BOREHOLE DEV.	BOREHOLE DEV. AZI.	BOREHOLE DIAM 1-3	BOREHOLE DIAM 2-4	QUAL. INDEX BEST =A
3302			3.7	280	5.3	5.5	
3304			3.5	282	5.4	5.7	
3306			3.5	284	5.6	6.0	
3308			3.5	284	5.7	6.1	
3310			3.6	284	5.7	6.1	
3312			3.6	282	5.7	6.1	
3314			3.6	282	5.7	6.1	
3316			3.6	281	5.7	6.1	
3318			3.7	279	5.6	6.1	
3320			3.8	277	5.5	5.9	
3322			3.8	275	5.4	5.9	
3324			3.8	275	5.6	6.1	
3326			3.8	277	5.7	6.1	
3328			3.7	279	5.7	6.1	
3330			3.6	279	5.7	6.1	
3332			3.6	278	5.8	6.1	
3334	77.4	167	3.5	278	5.8	6.1	D
3336	77.7	165	3.5	279	6.0	6.2	B
3338			3.6	280	6.0	6.3	
3340			3.6	281	6.0	6.3	
3342			3.6	282	6.0	6.2	
3344			3.6	284	5.9	6.2	
3346			3.6	286	5.9	6.2	
3348			3.6	288	5.9	6.2	
3350			3.6	289	6.0	6.3	
3352			3.7	289	6.0	6.4	
3354			3.8	289	6.1	6.4	
3356	68.8	53	3.9	290	6.1	6.4	D
3358	71.9	53	4.0	289	5.9	6.1	D
3360	71.4	53	4.0	290	5.8	6.1	D
3362			4.0	290	5.7	6.1	
3364			4.1	289	5.5	6.0	
3366			4.2	289	5.6	6.1	

REICHOLD ENERGY CORP. REICHOLD ADAM #24-34 SUMMARY

DEPTH	DIP	DIP AZM	DEV	DEV AZM	DIAM 1-3	DIAM 2-4	QUAL
TOP 544.0	70.4	282.	1.4	75.	6.4	6.7	*
BOTTOM 3366.0	74.2	279.	4.0	290.	5.8	6.0	*
TOP 3062.0	40.0	265.	3.0	302.	5.9	5.8	*
BOTTOM 3366.0	62.9	181.	4.2	289.	5.6	6.1	*

WELL HISTORY

Reichhold Energy Corporation
Well: Adams 24-34

Section 34-7N-5W W.B.&M.
Columbia County, Oregon

June, 1980

25, Paul Graham Drilling and Service Company moved in Rig No.1 and rigged up.

26, Spudded in at 12 noon with 9-7/8" bit and drilled ahead.

535' Sand and Clay

Survey at			
	257'	0°	
	535'	0°	30'

27, Ran 7" 20# K ST&C casing equipped with a guide shoe and cemented around shoe at 525' with 175 sacks of cement. No cement returns at surface.
Ran 1" pipe to 100' in annulus and pumped in 50 sacks of cement. No cement returns at surface.
Ran 1" pipe to 100' in annulus and pumped in 50 sacks. Filled annulus to surface with cement. Cement in place at 11:15 A.M.
Landed casing and installed casing head.
Installed and tested BOP equipment.
Drilled out plug, cement below and shoe with 6-1/4" bit and drilled ahead.

679' Clay and Sand

28, 2089' Clay and Sand

Survey at		
1010'	0°	15'
1495'	2°	45'
1699'	3°	0'
1915'	3°	0'

29, 2368' Clay, Shale and Sand

Survey at		
2122'	3°	0'

30, 2887' Shale and Clay

Survey at		
2597'	1°	45'

July, 1980

1, 3377' Clay, Shale and Sand
Ran Schlumberger Dual Induction-SFL Log, Borehole Compensated Sonic Log and Dipmeter.
Plug No.1 Hung drill pipe at 3156' and pumped in and equalized 40 sacks of cement. Calculated to fill to 2940'. Cement in place at 6:30 P.M.
Plug No.2 Hung drill pipe at 585' and pumped in and equalized 54 sacks of cement. Cement in place at 8:30 P.M.

2, Located top of plug No.2 at 330' at 2:00 A.M.
Plug No.3 Hung drill pipe at 30' and filled surface casing with cement to surface.
Removed casing head.
Cut off surface casing 5' below ground and welded on steel plate.
Hole abandoned.

DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland 1, Oregon

MISCELLANEOUS NOTICES AND REPORTS ON WELLS AND STRATIGRAPHIC HOLES

(Submit in triplicate)

This is a combined form, use only portions pertinent to your needs.

RECEIVED-PTLD
JUL 11 1980
DEPT OF GEOLOGY & MINERAL INDUS

To comply with rules and regulations adopted pursuant to ORS 520 (Chapter 667 OL 1953).

Notices Indicate nature of notice by checking below:		Reports Indicate nature of report by checking below:	
Notice of intention to plug well		Report on plugging well (use form 5)	
Notice of intention to make formation test		Report on making formation test	
Notice of intention to make production test		Report on making production test	
Notice of intention to abandon well	X	Report on abandoning well	
Notice of intention to test casing shut-off		Report on testing casing shut-off	
Notice of intention to redrill or deepen well		Report on redrilling or deepening well	
Notice of intention to shoot or chemically treat well		Report on shooting or chemically treating well	
Notice of intention to complete well		Report on completion of well	

Submit notices in triplicate before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Department or agent, of the plan submitted.

Submit reports in triplicate within 20 days after the work specified is completed.

Bakersfield, ~~Oregon~~ Calif., July 3, 1980

Department of Geology and Mineral Industries
Portland, Oregon

Following is a ~~report on the work done and the results obtained~~ notice of intention to do certain work as described below at the Reichhold Energy Corporation
Company or Operator

Adams Well No. 24-34 in SW/4
Lease

of sec. 34, T. 7N, R. 5W, W. B. & M., Mist field,

_____ County. The dates of this work were as follows: _____.

Notice of intention to do the work was (was not) submitted on form _____ on _____ 19___
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

The present condition of the well, including complete casing record, is as follows (Use additional sheets as needed):

1. 7" surface casing cemented at 525'.
2. 6-1/4" hole drilled to 3377'.
3. No gas sands were found.

ATTACHED IS A COMPLETE DETAILED ACCOUNT OF ~~WORK DONE AND RESULTS OBTAINED~~ PROPOSED WORK. THE ATTACHMENT IS PART OF THIS NOTICE OR REPORT AND IS CONSIDERED COVERED BY THE AFFIDAVIT.

1. Hang drill pipe at 3150' and pump in 40 sacks of cement. Calculated to fill to 2934'.
2. Hang drill pipe at 575' and pump in 60 sacks of cement. Top of plug to be located at or above 475'.
3. Plug top 20' of surface casing with cement.
4. Cut off surface casing 4' below ground level and weld on steel plate.

Last produced (date) NEVER (net oil) PRODUCED (gravity) (cut)

Approved July 11, 1980 19___
except as follows:

DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
By Karen C. Newton Jr.
~~OIL AND GAS SUPERVISOR~~
Petroleum Engineer

Reichhold Energy Corporation
Company or operator
By W. L. Covert
Position Engineer

Send communications regarding well to
Name W. L. Covert
Address P.O. Box 810
St. Helens, Oregon 97051

USE AFFIDAVIT ON REVERSE SIDE FOR REPORTS

RECEIVED

AUG 20 1980

DEPT OF GEOLOGY & MINERAL INDUS.

WELL	ADAMS 24 34
COMPANY	REICHHOLD ENERGY CORP.
AREA	MIST, NEHALEM BASIN
LOCATION	654'N & 582'W OF S ¼ CORN. SEC. 34; T7N; R5W, WB&M.
COUNTY, STATE	COLUMBIA COUNTY, ORE.

- WEGE -

WESTERN GEO-ENGINEERS

"A SERVICE TO THE OIL AND GAS INDUSTRY"

LITHOLOGY SYMBOLS: Sand, Clay and Shale, Siltst., Sandy Siltst., Conglomerate, Lignite or Coal, Volcanic, Intrusive, Salt, Limest., Chert

REMARKS

WELL ELEV. GL. 1126.94' KB. 1139.44'

SALINITY IN PPM CL

FILTRATE IN CC/30 MIN.

GAS TRAP AGITATOR TYPE

MUD LIGNOSULFONATE (BAROID)

LEGEND

MUD DATA			OTHER DATA
W WEIGHT	S SALINITY	CB CORE BIT	CR CIRCULATE RETURNS
V VISCOSITY	R RESISTIVITY	WLCB WIRE LINE CB	NR NO RETURN
F FILTRATE	RF FILTRATE RESISTIVITY	TG TRIP GAS	DST DRILL STEM TEST
FC FILTER CAKE	BIT DATA	CG CONNECTION GAS	[DST INTERVAL
SD SAND IN %	NB NEW BIT / RRB RERUN BIT	C CARBIDE GAS	] CORE INTERVAL

CASING: 7" TO 525'

DATE 6/26/80 TO 7/1/80 DEPTH 0 TO 3376' ENGINEERS BUTLER, IRWIN

ADAMS 24 34, REICHHOLD ENERGY. CORP., SEC 34; T7N; R5W; WB&M, COLUMBIA COUNTY, ORE.

Form 5 1/54

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building, Portland 1, Oregon

RECEIVED-PTLD
AUG 20 1980
DEPT OF GEOLOGY & MINERAL INDUSTRIES

WELL SUMMARY REPORT
(Submit in duplicate)

Operator Reichhold Energy Corporation Field Mist

Well No. Adams 24-34 Sec. 34, T. 7N, R. 5W, W. B. & M.

Location 634'N 382'W from S/4 Corner Elevation above sea level 1128.94 feet

All depth measurements taken from top of KB, which is 10.5 feet above ground

In compliance with the rules and regulations pursuant to ORS 520 (Chapter 667 OL 1953) the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date 7/31/80 Signed W. S. Dawson

W. G. Bruer Engineer or Geologist D. Dawson Superintendent Title Engineer (President, Secretary or Agent)

Commenced drilling 6/26/80 Completed drilling 7/2/80 Drilling tools ~~Cable~~ Rotary

Total depth 3377 Plugged depth 3156± - 2940±

Junk None 585 - 330
30 - 0

GEOLOGICAL MARKERS	DEPTH

Commenced producing Abandoned (Date) Flowing/gas lift/pumping (cross out unnecessary words)

	Clean oil bbl. per day	Gravity Clean oil	Percent water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production	NEVER PRODUCED					
Production after 30 days						

CASING RECORD (Present Hole)

Size of casing (A.P.I.)	Depth of shoe	Top of casing	Weight of casing	New or second hand	Seamless or Lapweld	Grade of casing	Size of hole drilled	No. of sacks of cement	Depth of cementing if through perforations
7"	525	0	20	N	S	K	9-7/8"	275	

PERFORATIONS

Size of casing	From	To	Size of perforations	Number of rows	Distance between centers	Method of perforations
NONE	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				