

Date	Hole size	Hole depth	Mud weight	PV	YP	Gel strength	pH	Alkalinity Pf /Mf	Ca++ mg/l	Cl- mg/l	Sand %	Solids %	Mudtype
971229	PSPUD					/		/					SPUD MUD
971230	PSPUD		1.20			/		/					SPUD MUD
971231	36"		1.20			/		/					SPUD MUD
980101	36"		1.20			/		/					SPUD MUD
980102	36"		1.20			/		/					SPUD MUD
980103	36"		1.20			/		/					SPUD MUD
980104	36"		1.20			/		/					SPUD MUD
980105	17 1/2"		1.20			/		/					SPUD MUD
980106	17 1/2"		1.20			/		/					SPUD MUD
980107	17 1/2"		1.20	38.0	21.5	/		/					SPUD MUD
980108	17 1/2"		1.20	38.0	21.5	/		/					SPUD MUD
980109	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980110	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980111	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980112	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980113	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980114	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980115	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980116	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980117	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980118	17 1/2"		1.20	39.0	21.5	/		/					SPUD MUD
980119	17 1/2"		1.45	24.0	36.0	12/17	12.5	***/**		70000	.1	17.1	KCl MUD
980120	17 1/2"		1.06			/		/					WATER BASED
980121	17 1/2"		1.06			/		/					WATER BASED
980122	17 1/2"		1.06			/		/					WATER BASED
980123			1.06			/		/					WATER BASED

Well: 34/7-28

Date	Hole size	Hole depth	Mud weight	PV	YP	Gel strength	pH	Alkalinity Pf /Mf	Ca++ mg/l	Cl- mg/l	Sand %	Solids %	Mudtype
980124	36"		1.04			/		/					WATER BASED
980125	36"		1.04			/		/					WATER BASED
980126	36"		1.04			/		/					WATER BASED
980127	17 1/2"		1.20	38.0	12.0	8/		/					WATER BASED
980128	17 1/2"		1.20			/		/					WATER BASED
980129	17 1/2"	1300.0	1.04			/		/					WATER BASED
980130	12 1/4"	1300.0	1.38	13.0	19.0	6/10	12.0	***/**		70000	.1	15.6	WATER BASED
980131	12 1/4"	1305.0	1.38	17.0	27.0	8/10	12.8	***/**		70000	.1	15.1	WATER BASED
980201	12 1/4"	1964.0	1.59	18.0	24.0	10/15	12.2	***/**		65000	.5	22.1	WATER BASED
980202	12 1/4"	1964.0	1.60	21.0	28.0	11/24	12.6	***/**		71000	.6	23.6	WATER BASED
980203	12 1/4"	2103.0	1.60	19.0	32.0	21/29	12.7	***/**		73000	.7	18.0	WATER BASED
980204	12 1/4"	2165.0	1.60	19.0	30.0	15/22	12.7	***/**		72000	.7	18.1	WATER BASED
980205	12 1/4"	2165.0	1.60	20.0	29.0	16/23	12.6	***/**		72000	.3	18.1	WATER BASED
980206	12 1/4"	2165.0	1.59	21.0	29.0	18/25	12.6	***/**		72000	.3	18.1	WATER BASED
980207	8 1/2"	2178.0	1.58	19.0	15.0	6/8	10.8	1.8/1.0		80000		16.8	WATER BASED
980208	8 1/2"	2425.0	1.58	34.0	21.0	7/12	8.5	.1/.6	200	82000	.3	16.3	WATER BASED
980209	8 1/2"	2549.0	1.58	32.0	22.0	7/11	8.8	.1/.5	200	82000		16.8	WATER BASED
980210	8 1/2"	2649.0	1.59	27.0	22.0	7/9	8.8	.1/.6	200	83000		16.2	WATER BASED
980211	8 1/2"	2692.0	1.58	32.0	23.0	7/10	8.8	.1/.5	200	82000	.2	16.3	WATER BASED
980212	8 1/2"	2711.0	1.58	29.0	22.0	6/10	8.4	/.6	240	81000	.2	16.4	WATER BASED
980213	8 1/2"	2711.0	1.58	29.0	22.0	6/10	8.4	/.6	240	81000	.2	16.4	WATER BASED
980214	8 1/2"	2984.0	1.58	29.0	30.0	7/15	8.0	/.5	200	86000	.3	16.4	WATER BASED
980215	8 1/2"	3005.0	1.58	28.0	27.0	6/12	8.0	/.5	200	88000	.3	16.4	WATER BASED
980216	8 1/2"	3005.0	1.58	31.0	26.0	7/14	8.0	/.5	200	88000	.3	16.4	WATER BASED
980217	8 1/2"	3005.0	1.58	30.0	27.0	8/14	8.0	/.5	200	88000	.3	16.4	WATER BASED
980218	8 1/2"	3005.0	1.58	30.0	27.0	9/14	8.0	/.5	200	88000	.3	16.4	WATER BASED
980219	P&A	3005.0	1.58	21.0	22.0	7/20	12.5	/1.0	760	71000	.5	18.1	WATER BASED

Date	Hole size	Hole depth	Mud weight	PV	YP	Gel strength	pH	Alkalinity Pf /Mf	Ca++ mg/l	Cl- mg/l	Sand %	Solids %	Mudtype
980220	P&A	3005.0	1.58	19.0	21.0	10/21	12.4	/***		65000	.3	18.0	WATER BASED
980221	P&A	3005.0	1.58			/		/					WATER BASED
980222	P&A	3005.0	1.58			/		/					WATER BASED
980223	P&A	3005.0	1.58			/		/					WATER BASED
980224	P&A	3005.0	1.58			/		/					WATER BASED
980225		3005.0	1.58			/		/					WATER BASED
980226		3005.0	1.58			/		/					WATER BASED
980227		3005.0	1.58			/		/					WATER BASED
980228		3005.0	1.58			/		/					WATER BASED
980301		3005.0	1.58			/		/					WATER BASED

Mud Materials Used

6.2.2

WELL 34/7-28

Material	Unit	36"	17 1/2"	12 1/4"	8 1/2"	Total
KCl premix 1	M3				300	300
KCl premix 2	M3				103	103
Barite	MT	14	60	291	323	688
Bentonite	MT	17	42			59
Citric Acid	KG				500	500
KCL	KG			6000	5000	11000
Xanthan gum	KG			750	1100	1850
Aquacol D	LT			5000		5000
NaSiO2	KG			31500		31500
Lime	KG	100	80			180
Bio-Paq	KG	182	182	2109		2473
Soda Ash	KG	200	925			1125
Caustic soda	KG			250		250
Silicate premix 1	M3			654		654
Silicate premix 2	M3			160		160

Mud Materials Used

6.2.2

WELL 34/7-28X

Material	Unit	36"	17 1/2"	12 1/4"	Total
Barite	MT	14	77	117	208
Bentonite	MT	17	24		41
Xanthan gum	KG			609	609
CMC ehv	KG		175		175
Lime	KG	100	260		360
Bio-Paq	KG	182			182
Soda Ash	KG	200	625		825
Silicate premix 1	M3			35	35