

Act/0071005
#2



Coastal
The Energy People

0083

August 21, 1992

RECEIVED

AUG 24 1992

DIVISION OF
OIL GAS & MINING

Mr. James D. Smith
Reclamation Specialist/Inspector
Dept. of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Jim,

The water monitoring well at our Scofield Waste Rock Disposal site was completed on August 6, 1992. Attached is a well construction diagram as well as the field "cuttings" log. I indicated to you at the beginning of drilling that I was not planning to save cuttings, but because the well went much deeper than expected, I decided to save cuttings to ensure we had a good picture of the well.

Rock strata encountered during drilling were poorly consolidated, likely due to its close proximity to a segment of the Pleasant Valley fault system which was previously encountered by mining in the area. Due to its unconsolidated nature, the hole was somewhat unstable, making placement of casing difficult. We had originally planned on using 6 in. casing and screen but 4 in. was finally utilized due to numerous blockages encountered as the 6 in. casing was lowered. Also due to unstable hole conditions, we placed a formation packer immediately above the screen to minimize sloughage around the screen.

No grout or cement was used to set casing with the exception of 10 ft. of cement installed at the surface to stabilize the 4 in. casing within the 8 in. casing.

Utah Fuel Company

A SUBSIDIARY OF THE COASTAL CORPORATION
P. O. BOX 719 • HELPER UT 84526 • 801/637-7925 • FAX 801/637-7929
SALT LAKE 801/596-7111

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Please contact me if you require additional information. We are planning to survey the well location in the near future and I will forward that information as soon as it is available.

Sincerely,

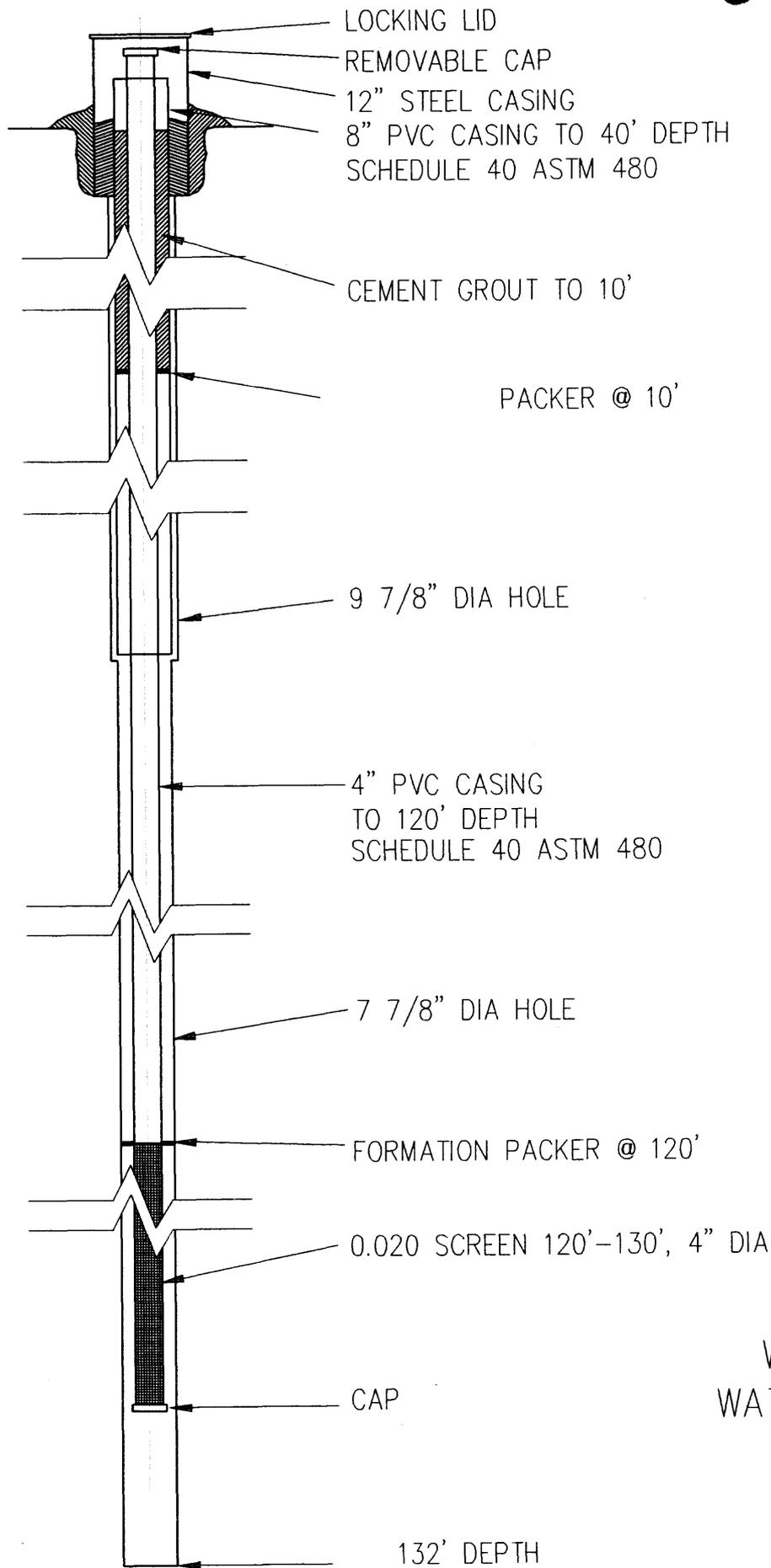
A handwritten signature in cursive script that reads "Mark Bunnell".

Mark Bunnell
Engineering Geologist
Skyline

MB:dk

Enclosure

cc: Keith Zobell



WASTE ROCK SITE
 WATER SAMPLING WELL
 COMPLETED 8-6-92
 APP. No. 92-91-03MW

Logged by M. Bunnell

COASTAL STATES ENERGY CO.

TYPE OF DESCRIPTION

CUTTINGS	<input checked="" type="checkbox"/>
CORE	<input type="checkbox"/>
OUTCROP	<input type="checkbox"/>

Waste Rock Site Well

HOLE NO. _____

PAGE 1 OF 2

Note: Entire hole was very soft.
Likely drilled near fault plane along a segment of Pleasant Valley Fault zone. Entire hole drilled mainly w/air.

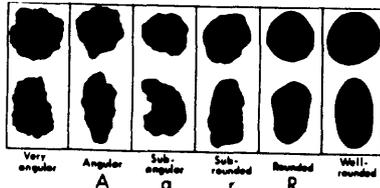
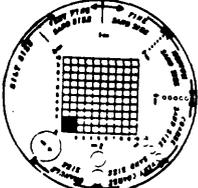
BOX NO.	SAMPL. NO.	DEPTH		THICKNESS	STRIP LOG 1" = 10'	MEDIAN GRAIN SIZE		ROUNDNESS		SORTING	DESCRIPTION & REMARKS
		FROM	TO			S	F	M	C		
		0	5								Soil 0-5'
		5	10								5-10 5% Soil 95% ss, lt br, f gr, calc, unconsol.
		10	15								10-15 100% ss, a/a
		15	20								15-20 85% ss, lt br, calc, f gr 15% siltst, lt gy, calc
		20	25								20-25 95% ss, lt br, f gr, calc 5% siltst, lt gy, calc
		25	30								25-30 50% siltst, lt brgy, calc } Cuttings 40% chyst, brgy } Damp
		30	35								10% ss, a/a 30-35 70% chyst - mlt gy 20% ss, vlt gy, f gr, calc 10% siltst, lt gy, calc
		35	40								35-40 50% ss, lt br, vlt gr, calc 50% siltst, lt ggy, calc, sandy
		40	45								40-45 40% ss, lt br, vlt gr, calc 60% chyst, mgy,
		45	50								45-50 80% siltst, mlt gy, calc 15% chyst, mgy 5% ss, lt br, f gr, calc
		50	55								50-55 95% siltst, mlt gy, calc 5% ss, lt br, f gr, calc
		55	60								55-60 50% chyst, mgy 40% siltst, mgy, calc 10% ss, a/a
		60	65								60-65 40% siltst, lt gy, calc 60% ss, gy or, f to m gr, unconsol.
		65	70								65-70 100% ss, gy or, f to m gr, unconsol.
		70	75								70-75 90% ss, gy or, f to m gr, unconsol. 5% chyst, mgy 5% calc, soft
		75	80								75-80 100% Coal - soft (Gauge?)
		80	85								80-85 100% Coal - soft (Gauge?)
		85	90								85-90 100% Coal - soft (Gauge?)
		90	95								90-95 95% ss, plvt brn, f gr, unconsolidated, "soft"; pepper texture. 5% Coal - soft
		95	100								95-100 100% ss, a/a

COAL
"UP" SEAM
73'-91'

STAR POINT
Sandstone

C - 1857 (8/79)

Drilling started: 7-29-92
Completed: 8-6-92



PAGE _____ OF _____



HOLE NO. _____

COASTAL STATES ENERGY CO.

*Waste Rock
Side Well*

TYPE OF DESCRIPTION

CUTTINGS	<input checked="" type="checkbox"/>
CORE	<input type="checkbox"/>
OUTCROP	<input type="checkbox"/>

HOLE NO. _____
PAGE 2 OF 2

BOX NO.	SAMPL. NO.	DEPTH		THICKNESS	STRIP LOG	MEDIAN GRAIN SIZE		ROUNDNESS		SORTING	DESCRIPTION & REMARKS	
		FROM	TO			V	S	F	M			C
		100	105									100-130 ss, a/a
		105	110									
		110	115									
		115	120									115-130 cuttings wet
		120	125									
		125	130									
						TD						Note: well was eventually drilled to 132' TD during construction process.

C - 1857 (8/79)

