Well Log Washington County

TEXAS - REDDING GASSNOR COOPER MTN. #1 Location: 553 S. and 884 W. of E_4^1 cor. of sec. 25 T. 1 S., R. 2 W. Elev. 782.6.

<u>Depth</u>: 9263

Cored	Not	eworthy Details	
Intervals	Trays		Generalized Description of Lithologic Units
981- 987	1		Fine gr. vesic. bas.
1072-1082	1-2		Fine gr. clay sh., to tuffcs. Silty sh., iron-stained.
1094-1106	1-3		Massive gray tuffcs. clay - silt, carb. frags., ash and pumice layers.
1106-1118	1–2		Bedded brown to gray fine gr. conch. fracclay sh., hard.
1118 –1 129		7 ¹	Same.
	1-2	4.	Gray highly micaceous silt, carb. frags.
	1-2	. g	Coarse basalt (clay) breccia, frags. up to $\frac{1}{2}$.
1361-1381	1		Fine gr. green clay sh.
	2		Silty micaceous mottled, gray, fslfrs. shale.
	3		Same, well bedded, thin coaly layers.
	4		Same.
	5		Becoming coarser, tuffcs., massive to the contact with -
	6		Fine gr. tuffcs. micaceous ss.
	7		Fine gr. conch. fract. clay sh.
; 14 3 0 –1 459	1		Gray micaceous silt w. abdt. carb. frags. some megaf. (small).
	2-3		Same.
	4		Medium gr. massive tuffcs. ss.
	5 - 6		Loose unconsol. med. to coarse gr. gray sandstone.

	No.+	eworthy Details	Total Control of the
Cored Intervals	Trays	Recovery and Thicknesses	Generalized Description of Lithologic Units
_594-1614 °	1		Fine gr. cg. and coarse bas. sand, much mica.
	2		Fine gr. massive brown ss.
	3		Med. gr. friable brown massive ss., micaceous.
	4		Same
	5		Same, with 1" large ang. qtz. pebbles $\frac{1}{4}$ ". Pyrite fine gr.
	6		Same, basaltic, w. fine pebbles.
	7		Same.
1980-2000	1		Fine grained brown massive siltstone.
- -	2		Same, with 1" layer of ang. qtz. pebbles $\frac{1}{2}$ ". Pyrite fine gr.
	3		Fine gr. br. massive siltstone.
	4		Fine gr. br. micaceous ss.
	5		Same, occ. coarse lenses.
	6		Same, occ. carb. frags.
	7		Coarse gr. br. silt, shaley layers.
	8		Coarse gr. br. silt.
2192-2204	1		Green siltstone.
	2		Massive dark gray shale.
, 2204-2209	1		Green siltstone.
	2		Green siltstone.
2435-2447	1-5		Massive fine gr. green ss. micaceous.
2447-2457	1-5		Same, megafsl in #4 (Mytilus).
2457-2467	1-4		Same.
2467-2477	1-4		Same.
7477_2488	بلے 1		Same. A few fssls.

Cored	Not	eworthy Details	
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× 2498 – 2508	1-4,	Garage Care	Same - shale last 6".
2744-2754	1		Coarse gr. angular micaceous highly fsslfrs., basaltic and shaley ss. or fine cg.
	2		Shell - bed, 60% fossils, Mytilus, etc.
	3	Дn	Shell bed.
		2#	Green shale.
		1"	Carbonaceous sh.
		6 n	Green silt.
		3 ¹¹	Fine shale breccia.
		11	Blocky shale.
		3 ¹¹	Carb. shale.
2754-2764	1-21		Fine shale, carb. frags.
		1#	Boney coal.
		6 [#]	Shale breccia.
	2-3		Green fine gr. ss. with ang. sh. frags. $10-20\%$ up to $\frac{1}{2}$.
	4		Green siltstone w. shale frags.
£ 2764-2775	1-4		Med. gr. mic. ss. and green shale alternating with shale breccia.
~= 2775 -2 784	1	B	Brown shale breccia, frags. up to $\frac{1}{2}$.
	2	6 a	Shale breccia.
		1\$	Coal bone.
		1"	Sheared and slicked clay.
	3		Sheared and slicked clay.
	4	21	Sheared and slicked clay.
		11	Bone.

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~ 2784 – 2796	1	21	Bone.
		21	Clay breccia and siltstone.
	2	21	Siltstone 2. plant frags.
		6#	Carbonized log.
		11	Coarse tuffs. and andesitic grit.
	3	4#	Carb. sh. and bone.
		21	Brown coarse gr. ss.
<= 2796 – 2806	1-2		Coarse gr. ss. to coarse grit (brown).
	3		Med. to coarse gr. ss. w. occ. shell.
	4		Fine to coarse gr. grit. Fssls. abdt., esp. in coarser phases.
	5	3 ⁿ	Fine conch. shale.
		3 ^t	Med. to coarse gr. ss. some grit layers.
. 2808–2820			(6 to 10" layers of shells in coarse grit, separated by 6" to 2' of coarse ss.)
	1	6n	Shells in grit.
		10"	Shells in coarse ss.
		6 #	Shells in grit.
		12#	Med. Gr. ss.
		6 1 1	Shells in grit and breccia.
	2	28 [#]	Coarse ss. w. occ. shells.
		11	Shells in ss.
	3	3 1	Breccia made up of shale and shell frags.
	4	†#	Shells in fine cg.
		1:	Coarse ss.
		11	Shell frags. in fine cg.

	Cored	Noteworthy Details	
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71	3170-3180	1-2 < 500 mi mile	Med. Gr. porph. andesite? Vesicular.
5 5-	3310-3321	1-6	Fresh, dense, fine-grained aphanitics dark gray lava, some red veinlets.
"; "	3321-3333 3500-3512	1 × 1	•
weg w	3500-3512	1	Fine grained basaltic - appearing shale, calcite zones, slickensides.
		2	Coarse grained siltstone, clive brown, micaceous.
		3 _4	Same.
-	3512-3524	1-4	
***	3524-3534	1-4 (Same in 1900)	Same.
* 3	3625-3637	1-4	Sheared and altered red black and green volcanic breccia. Lava frags. w. interstitial palagonite and nontronite(?).
	3637-3649	1-4	Same as above. Some veins.
	36 57 - 3668	1-3	Same, fine grained.
		4 6 "	Same.
		28 [#]	Purplish black tuff.
	3668 - 3680	1-4 6/4-3-6	Fine gr. alt. tuff-breccia, green, some coarse gr.
	3786-3794	1-2	Black volcanic breccia.
	4247-4258	1-3	Andesitic volcanic breccia.
s 4	4258 - 4268	1	Tuffcs. siltstone.
		2	Fine ss. and tuff-breccia, black, basaltic.
		3	Same, w. carb. frags.
		4	Fine siltstone, w. clamshell. This core shows calc. XIne replacement in patches.
į	1 268-427 8 🛷	1	Shaley ss., with ang. frags. and xtals. (tuff-breccia).

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Cored	<u>Note</u>	eworthy Details Recovery and Thickness	Generalized Description of Lithologic Units
Intervals	110,10	11000001	
		Goble	Cnt. of Goble-Cowlitz, tuff-breccia
	2	Cowlitz	over siltstone.
		OGWII 62	
	3		Massive gray micaceous siltstone.
	J, r		Same w. carb. frags. and frams.
	4-5		
4 4278-4290	1-4		Fine gray micaceous massive siltstone
1	1 -		with mega and micro-fossils.
The following beings			Fine gr. silt and shale.
》 4404-4411	1		
, 4411 -44 14	1 200		Fine gr. gray micaceous massive siltstone.
,	- -	, a col	Medium to coarse gr. gray micaceous
- 4490-4501	1-4		siltstone, massive.
4501-4511	1-4		Fine-grained spotted gray poorly bedded siltstone or silty shale.
	45	, a Ce	Siltstone or Silty shalo.
4720-4732	1-4		Same - numerous small mega and micro-
4/20-4/52			fossils.
	- 1.		Same.
4732-4744	1-4	Spirate	одше.
4906-4918	1-2		Same w. fish scales.
•			Same w. megafossils, hard.
** 4918 -4 930	1–6		Same w. megalossils, halu.
4930-4938	1-3		Still same, hard, jointed.
	_		we the a head header choosed and
4938-4948	1-4		Fine grained, hard, badly sheared and broken gray micac. shale.
	4	gu sta	orong Brah Transcription
5087 –5099	ı		Fine gr. lt. gray tuff.
			C-m-a
5099-5111	1 - 5		Same.
5111-5123	1-4	6ª < C. S.	Same. Remainder all like sample (igneous).
, J444" J449			The Lagranger Bombindon oll like
5271 – 5283	1 - 3	116	Hd. tuffaceous ss. Remainder all like samples (massive).
			-
5283-5293	1-3		Same as above (see sample).
	-	-	Same as above (see sample).
5300-5310	1-3		pame as above (see sampte).
. 5587-5599	<u>1</u> -3		Uniformly same as samples (massive),
- 550 (5577	- 2		except upper 4" which is same as previous
			3 cores.

Cored	Noteworthy Details	
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ر 599–5611	1-5 6"	Hd. crs. gravely ss.
•	11	Hd. shaly ss.
	71	Hd. crs. gravely ss (gray to brown).
5-2 - 5 14 0	- 5 m Ec	Ed. fine gr. gray siltstone.
5- 5754-5766	1-5	Hd. gray to brownish gray sdy. siltstone. Small pelecypods.
5766-5778	15	Hd. gray (sometimes mottled brown) silt- stone; vein filled fractures in lower 8" of tray 4.
5778-5787	1-3	Same.
÷ 5787-5797	1-4	Same. Two slickensided surfaces in tray 2.
ે 5797–5809 કરાય - ૧૨૦૧	1 and the late	Tray of fragmental hd. shl. broken up in drlg.
7258-7270	1-4	Same lithology but darker gray color and harder. Whole core shot full of veinfilled fracture planes at all angles and directions.
7270-7282	1-5	Same lithology and color. Core somewhat
7282 - 729; 128: - 7288 	Head Should Saudines	broken up considerably veined. Signs of motion along some of the fracture planes.
7804-7816	1-4 51	Hd., greenish-gray fine to coarse grained statume. (about 6 conglomeratic).
	7 1 k	Dk., brownish massive sh. and sdy. sh.
7816-7820	1 2. 4.4	Same sh. w/4" very hd. fine gr., greenish-gray ss. at bottom.
7950-7967	1_4	Sec. 11 Same sh. $s/2$ of greenish near center of core.
8596-8607	1-2 ~ : 1 - 42	Sec. 3' Core badly broken up, but appears to be same sh. but much veined and pyritized and very hard.
8694-8714	1-5 Core #82 Rec. 14	"Few bubbles of gas on sheath; no flash" Hd., med. to crs. gr., lt. to dk. gray ss. Considerable fracturing of veining. Evidence of movement along fracture planes.