.tachment - Barbara Owens #1

TOTCO DEVIATION SURVEYS

Depth	Degree Off Vertical	Depth	Degree Off Vertical	Depth	Degree Off Vertical
60	1/2	6964	1 1/2	10537	1
100	1/4	7140	1 1/4	10609	1 1/4
2004	1/2	7287	1	10710	1
2493	1	7411	3/4	10818	1 1/4
3311	3/4	7542	1	10941	1 3/4
3508	1	7706	3/4	11123	2
4052	1/2	8031	1 1/4	11443	1 3/4
4204	2	8124	1/4	11506	1 1/2
4294	1 1/4	8230	1/2	11561	2 1/2
4510	1	8772	3/4	11616	2
4788	3/4	9181	1	11668	1 3/4
4910	1/2	9311	3/4	11760	2
5517	3/4	9442	1	11850	2 3/4
5634	1	9895	3/4		
5981	1 1/4	9992	1		
6300	1	10155	1 1/4		
6687	1 1/2	10205	1		
6782	1	10300	1 1/4		

CORE RECORD

No.	Top	Bottom	Rec.	Description
1	10430	10470	27'	Lime & Shale, N.S. 10430-10435 lime, finely crystalline tan 2-5% pin point porosity, tight, sulphur odor, N.S. 10435-10439 lime fine to course crystalline tan, N.S. 10439-10442 lime fine to coursecrystalline tan, 10% inner crystalline porosity, smallvuggy porosity, sulphur odor, N.S. 10442-10448 Limestone finely crystalline light tan trace to 2% pin point porosity, tight, sulphur odor, N.S. 10448-10451 lime, finely crystalline brown, N.S. 10451-10456 gray to black shale, N.S. 10456-10457 lime, finely crystalline tan, N.S. 10457-10470 lost.
2	11506	11561	33'	Lime. 11506-11518½ limestone, finely crystalline tan to brown trace black shale partings, N.S. 11518½-11520 limestone finely crystalline tan to brown, 2% pin head & vuggy porosity, good stain & odor, 10% blue fluorescence. 11520-11522 limestone finely crystalline tan to brown, slight trace pin head porosity good stain, trace blue fluorescence. 11522-11526½ limestone finely crystalline tan 15% vuggy porosity, good stain & odor, 50% blue fluorescence, trace bleeding oil & water. 11526½-11536½ limestone finely crystalline tan to brown, N.S. 11536½-11537 limestone finely crystalline tan, 5% pin head porosity, good stain, 75% blue fluorescence. 11537-11538½ limestone finely crystalline tan to brown, N.S. 11538½-11539 limestone finely crystalline tan, 15% vuggy porosity, good stain & odor, 50% blue fluorescence. 11539-11561 lost.
3	11561	11616	22'	Limestone, finely crystalline tan to brown with 10-15% vuggy porosity, good stain & odor. 11581-11583 limestone finely crystalline dark brown, N.S.
4	11616	11638	19'	Limestone. 11616-11627 limestone finely crystalline tan, N.S. 11627-11635 limestone, finely crystalline tan, 10% vuggy porosity, goodstain & odor, blue fluorescence. 11635-11638 lost.
5	11638	11668	21'	Limestone. 11638-11651 finely crystalline tan limestone, 10% vuggular porosity, good Stain & odor, 25% blue fluorescence. 11651-11657 finely crystalline tan limestone, N.S. 11657-11659 finely crystalline tan limestone, trace to 5% pin head & vuggular porosity, trace stain & odor & blue fluorescence. 11659-11668 lost.

(con't)