

2/4-7X
Well FK

PPCo
X-Ray Diffraction

Core Lab.
Calcimetry

Sample Depth	Shifted Depth	% Qtz.	% Clay	% FeS ₂	% CaCO ₃	% Extracted Insol. Res.	% Feld.	% Insoluble	% Limestone	% Dolomite
10.424	10.438	40	4	-	60.8	39.2				
10.430	10.444	41	4	-	53.1	46.9				
10.438	10.452	38	4	-	66.2	33.8				
10.451	10.465	12	TR	-	86.7	13.3				
10.452	10.466	10	TR	-	88.5	11.5				
10.468	10.482	8	TR	-	93.2	6.8				
10.476	10.490	15	1	-	82.2	17.8				
10.494	10.508	8	TR	-	89.2	10.8				
10.504	10.518	21	2	-	77.6	22.4				
10,510	10,524	12	2	TR	84.6	15.4	-	18.0	79.5	2.5
10,520	10,534	8	1	-	90.5	9.5	TR			
10,530	10,544	8	TR	-	90.6	9.4	1	12.0	83.3	4.7
10,540	10,554	6	TR	-	93.5	6.5	TR			
10,550	10,564	18	2	-	78.8	21.2	TR	25.0	71.4	3.6
10,560	10,574	12	2	-	84.9	15.1	TR			
10,570	10,584	13	1	TR	84.1	15.9	1	18.0	81.6	0.4
10,580	10,594	14	1	-	83.7	16.3	1			
10,590	10,604	18	3	TR	77.9	22.1	TR	28.0	71.7	0.3
10.600	10.614	11	-	-	84.1	15.9	TR			
10,600	10,614	16	2	-	82.3	17.7				
10,610	10,624	46	8	-	58.0	*42.0	1	30.0	65.4	4.6
10,610	10,624	21	6	-	70.4	29.6				
10,630	10,645	21	1	-	72.3	27.7	1	30.0	69.7	0.3
10,640	10,655	16	1	-	82.5	17.5	-			
10,650	10,665	10	1	-	88.9	11.1	-	12.0	87.6	0.4
10,660	10,675	9	1	-	89.1	10.9	TR			
10,670	10,677	7	1	-	92.4	7.6	TR	22.0	73.4	4.6
10,673	10,680	15	1	-	81.9	18.1				
10,680	10,687	8	TR	-	90.7	9.3	TR			
10,690	10,697	10	2	-	87.3	12.7	TR	17.0	81.6	1.4
10,696	10,710	24	3	-	77.9	22.1				
10,700	10,714	12	3	TR	84.7	15.3	-			
10,710	10,724	14	2	-	83.8	16.2	TR	19.0	79.6	1.4

* Samples may contain residual calcite in the insoluble fraction.

2/4-7X

<u>Sampl. Depth</u>	<u>Shifted Depth</u>	<u>% Qtz.</u>	<u>% Clay</u>	<u>% FeS₂</u>	<u>% CaCO₃</u>	<u>% Extracted Insol. Res.</u>	<u>% Feld.</u>	<u>% Insoluble</u>	<u>% Limestone</u>	<u>% Dolomite</u>
10,720	10,734	18	1	-	81.3	18.7	-			
10,730	10,744	14	3	-	81.7	18.3	TR	14.0	83.5	2.5
10,740	10,754	29	5	-	66.3	33.7	TR			
10,750	10,764	17	5	-	78.0	25.9	TR	27.0	69.4	3.6
10,752	10,766	12	2	-	83.5	16.5				
10,760	10,774	33	4	-	63.2	36.8	-			
10,770	10,784	49	TR	-	50.3	49.7	-	50.0	49.8	0.2
10,780	10,794	22	4	-	74.1	25.9	TR			
10,790	10,804	26	4	TR	68.5	31.5	TR	34.0	65.7	0.3
10,800	10,814	52	8	1	36.5	63.5	3			
10,810	10,824	14	2	-	84.1	15.9	TR	18.0	81.6	0.4

50.26.GAG0904.2



August 30, 1984

INTER-OFFICE CORRESPONDENCE / SUBJECT:
BARTLESVILLE, OKLAHOMA

Re: Tor Equity Mineralogical Analyses

BNOR-066-84

Geology Well File

Mr. B. S. Geho
Stavanger Office

Please be advised that we have encountered unexpected mechanical problems in our XRD unit. Due to these problems, we will be unable to provide complete analyses of the 2/4-7X and 2/4-E14 wells by August 31, 1984. Expected completion date is now September 5, 1984.

Analyses completed to date include:

	<u>Depth</u>	<u>% Calcite</u>	<u>% Ins Res</u>
<u>2/4-7X</u>	10,510	84.6	15.4
	10,520	90.5	9.5
	10,530	90.6	9.4
	10,540	93.5	6.5
	10,550	78.8	21.2
	10,560	84.9	15.1
	10,570	84.1	15.9
	10,580	83.7	16.3
	10,590	77.9	22.1
	10,600	82.3	17.7
	10,610	70.4	29.6
	10,630	72.3	27.7
	10,640	82.5	17.5
	10,650	88.9	11.1
	10,660	89.1	10.9
	10,670	92.4	7.6
	10,680	90.7	9.3
	10,690	87.3	12.7
	10,700	84.7	15.3
	10,710	83.8	16.2
	10,720	81.3	18.7

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Geology Well File

Depth	% Calcite	% Ins Res
10,730	81.7	18.3
10,740	66.3	33.7
10,750	78.0	22.0
10,760	63.2	36.8
10,770	50.3	49.7
10,780	74.1	25.9
10,790	68.5	31.5
10,800	36.5	63.5
10,810	84.1	15.9
10,850	52.5	47.5
10,880	93.2	6.83
10,887	89.4	10.6
10,900	90.4	9.6
10,910	93.4	6.6
10,940	80.7	19.3
10,950	77.3	22.7
10,971	86.5	13.5
10,980	71.4	28.6
10,990	70.51	29.5
11,002	69.4	30.6
11,010	68.5	31.5
11,020	69.1	30.9
11,030	73.4	26.6
11,040	60.3	39.7
11,050	53.5	46.5
11,252	59.9	40.1
11,260	48.1	51.9

2/4-E14

H. A. Kunnert
H. A. Kunnert

HAK/JLH/tlh

- cc: W. E. Ryker
- G. Gersib
- D. W. Dalrymple
- J. L. Harbour

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