

WELL LOGS

K Z

API number:	30-025-38720		
OGRID:		Operator:	CHESAPEAKE OPERATING INC
		Property:	KF STATE COM # 2

surface	ULSTR:	V/N	04	T	21S	R	35E
			660	FSL	1980	FWL	

BH Loc	ULSTR:	V/N	04	T	21S	R	35E
			723	FSL	2080	FWL	

Ground Level:	**Conf**	DF:	**Conf**	KB:	**Conf**	
Datum:	KB			TD:	11929	

Land:	STATE	Completion Date: (1)	5/14/2008	
		Date Logs Received:	6/6/2008	***LATE***
		Date Logs Due in: (2)	6/3/2008	
Confidential:	YES	Date out:	9/3/2008	

Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	**Conf**	**Conf**	Spectral Density Dual Spaced Neutron
DLL/MGRD	**Conf**	**Conf**	Dual Laterolog Micro Guard Log
DLL/MGRD	**Conf**	**Conf**	Dual Laterolog Micro Guard Log
BCAS	**Conf**	**Conf**	Borehole Compensated Sonic

K Z

OCD TOPS

Rustler	**Conf**	Strawn	**Conf**	
Tansill	**Conf**	Atoka	**Conf**	
Yates	**Conf**	Morrow	**Conf**	
7R	**Conf**			
T. Bowers Sd	**Conf**	Austin		
B. Bowers Sd	**Conf**	Chester		
Queen	**Conf**	Miss Lime		
Penrose	**Conf**			
Grayburg	**Conf**			
Getaway Bank	**Conf**			
	Conf			
Delaware Sd	**Conf**			
Bone Spring	**Conf**			
1st Sd	**Conf**			
2nd Carb	**Conf**			
2nd Sd	**Conf**			
3rd Carb	**Conf**			
3rd Sd	**Conf**			
Wolfcamp	**Conf**			

Results of Directional Survey

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			723	FSL	2080	FWL	

	MD	N/S	E/W	VD
	11400	79.52	124.39	11394.47
TOP PERFS/OH	11570	74.08	116.43	11564.20
	11450	77.92	122.05	11444.39
	11400	79.52	124.39	11394.47
BOT PERFS/OH	11601	73.09	114.98	11595.15
	11450	77.92	122.05	11444.39

NEXT TO LAST	11400	79.52	124.39	11394.47
LAST READING	11450	77.92	122.05	11444.39
TD	11929	62.59	99.63	11922.62

Surface Location	660	FS	1980	FW
Projected BHL	723	FS	2080	FW
Location of				
Top Perfs/OH	734	FS	2096	FW
Bottom Perfs/OH	733	FS	2095	FW

SUMMARY of Subsurface Locations

Surface Location	N-04-21S-35E	660	FS	1980	FW	Vert. Depth
Top Perfs/OH	N-04-21S-35E	734	FS	2096	FW	11564.20
Bottom Perfs/OH	N-04-21S-35E	733	FS	2095	FW	11595.15
Projected TD	N-04-21S-35E	723	FS	2080	FW	11922.62