



Geologic Well Prognosis

CRESTED BUTTE WCXY STATE COM 1H

Prepared By:	Melissa Saurborn
Date:	11/9/2017
Geologist:	Melissa Saurborn; (c.) 303-325-1233
Engineer:	Vladimir Roudakov; (c.) 720-933-9784

	Surface/Bottom Hole Footage Calls	FNL	FSL	FEL	FWL
Surface	Sec. 13 T22S R34E		224	2210	
BHL	Sec. 12 T22S R34E	380		1700	
Side-track					

Proposed Well:	CRESTED BUTTE WCXY STATE COM 1H
Legals:	SWSE Sec. 13 T22S R34E
API:	
Surface Hole Lat/Long (Nad 83)	N 32° 23' 06.24", W 103° 25' 20.09"
County and State	Lea Co., NM
Ground Elev (FEET):	3513.6
Kelly Bushing Elev (FEET):	3538.6

Vertical Correlation Well:	STATE GC1				
Legals:	SE Sec. 7 T22S-35E				
API:	80-02S-26559				
Lat/Long (Nad 27)	32.4006101, -103.4042302				
County and State	Lea Co., NM				
Ground Elev:					
Kelly Bushing Elev:	3,623				

Rig KB: 25

Formations	Lithology	(calc)		Iso to Target	Sample Top	(calc)		Actual Log	(calc)		Adjusted Prog Top	(calc)		Iso to Target	
		TVD (RKB)	TVD Subsea			Δft	Sample <Lo Hi>		Δft	Log <Lo Hi>		TVD (RKB)	TVD Subsea		
Rustler	Mixed lithologies	589	2950	10665		588.6			588.6					0	
Top of Salt	Salt (Halite)	1589	1950	9665		1588.6			1588.6					0	
Base of Salt	Limestone/Anhydrite	3589	-50	7665		3588.6			3588.6					0	
Delaware	Sand/Siltstone/Shale/Limestone	4314	-775	6940		4313.6			4313.6					0	
Bone Spring	Limestone	8359	-4820	2895		8358.6			8358.6					0	
Avalon	Shale	8459	-4920	2795		8458.6			8458.6					0	
1st Bone Spring	Sand/Siltstone/Shale/Limestone	9109	-5570	2145		9108.6			9108.6					0	
2nd Bone Spring	Sand/Siltstone/Shale/Limestone	9569	-6030	1685		9568.6			9568.6					0	
3rd Bone Spring	Siltstone	10974	-7435	280		10973.6			10973.6					0	
Wolfcamp XY	Sandstone/Siltstone/Shale	11234	-7695	20		11233.6			11233.6					0	
Target (@ 90.0°)	Sandstone/Siltstone/Shale	11254	-7715	0		11253.6			11253.6					0	
Wolfcamp	Shale/Limestone	11314	-7775	-60		11313.6			11313.6					0	
SURFACE CASING POINT															
1st INT. CASING POINT															
2nd INT. CASING POINT															
PROD. CASING POINT															