

Geologic Prognosis:

API #
Well Name
Well Number

Magnuson
22-44
vertical

Location Info (from survey plat)

T7N R65W Sec 26
Surface
Bottom Hole
Drilling Rig
Surface Elevation (GL)
Hardline Information:

Feet
516 FSL
same
4901
single well pad

FNL/FSL
Feet
483 FEL/FWL
4901 KB Elev.

FEL/FWL
Feet
483 FEL/FWL
4915 (assume 14' for Cade rig)

NAD 83
LAT
40.55477
LONG
104.75601



All Depths at Surface Location

TVD Depth SSTVD			MD
Base of Fox Hills / Top Pierre	#VALUE!	####	
Surface Casing Depth	659	4256	659
Greeley Sand	2815	2100	2815
Parkman	3840	1075	3840
Sussex	4635	280	4635
Shannon	5065	-150	5065
KOP	NA		NA
Top of Cement	6795	-1880	6795
Niobrara	7095	-2180	7095
Fort Hayes	7375	-2460	7375
Codell	7405	-2490	7405
Greenhorn	7535	-2620	7535
TD	7555	-2640	7555

Instruction for Directional drilling Plan:

NA

Mud Program:

Surface Hole:

Top	Base	Fluid
	0	659 Native Mud and Water

Production Hole above Niobrara

659	6695 LSND (Low Solid Non-Dispersed Drilling Mud)
6472	7555 maintain the following properties:

VIS: 40; raise to 55 for logs
WT: 8.9 to 9.2 # per gal
WL: 8-10 cc from mud up to TD

Sample Description Program:

30 Ft. Samples from	7045	to	7365
20 Ft. Samples from	7365	to	7445

Wellsite Geologists: Goolsby Brothers and Assoc.
Mathew Goolsby (303) 618-7736; Mark Scanniello (303) 818-2134, Robin Brackman (303) 717-7779
Tekabe Gedamu (202) 295-7077; Marek Ciesnik (303) 525-2730
For this well Geologist will be: TBD
Geologist will be called when mudding up for Niobrara

Open Hole Logging Program:

Please run open hole logging suite including GR, SP, Neutron, density and resistivity curves from TD to surface casing.

Casing Summary:

Surface Hole Size	12-1/4"	
Surface Casing Size	8-5/8"	# Per Foot 24
Surface Setting Depth	650	
Cement to Surface running	100% excess.	
Type of Cement for surface	Class G	
Approximate Sacks of Cement	539.1926	

