

JP

MONITOR WELL PRE-SPUD PROPOSAL

1) WELL NAME/NUMBER: BLM-26

2) PROPOSED LOCATION: (a) General (on or off-site) Off-site  
(attach map) Site Area BLM Land

(b) Sect 33 Twnshp 20S Rng 3E SE ¼ SE ¼ SE ¼ NE ¼

3) WELL PARAMETERS:

(a) Est. total depth 500 (ft) (b) Est. ground elevation @4652 ft

(c) Anticipated stratigraphy:

Alluvium (Santa Fe Group) from 0 ' to 300 ' (depth)

Tuff or Rhyolite from 300 ' to TD ' (depth)

(d) Anticipated water bearing horizon(s):

Tuff or Rhyolite at 450 ' (depth)

\_\_\_\_\_ at \_\_\_\_\_ ' (depth)

(e) Anticipated static water level 390 ' (depth)

4) WELL PURPOSE/JUSTIFICATION (attach maps and table if needed):

To define the northern edge of the plume boundary in this area.

\_\_\_\_\_  
\_\_\_\_\_

5) PROPOSED DRILLING PARAMETERS:

(a) Drilling method(s): (air/foam/mud rotary/auger/etc.)

Mud Rotary from 0 ' to 100 ' (max)

Air-Foam Rotary from 100 ' to TD ' (depth)

Air-foam method: "Quik-Foam" surfactant/water mixture used in conjunction with filtered compress air.

Mud-rotary method: Bentonite mud/water mixture.

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- (b) Lithology sampling - collect sample every:  
5' intervals Method Grab from 0 ' to TD ' (depth)  
Core type 6" Dennison from \_\_\_\_\_ ' to \_\_\_\_\_ ' (depth)  
2" Christiansen from \_\_\_\_\_ ' to \_\_\_\_\_ ' (depth)
- (c) Anticipated drilling additive(s): E-Z mud

7) PROPOSED WELL COMPLETION DESIGN/MATERIALS

(a) Casing:	<u>Material</u>	<u>Diameter</u>	<u>From</u>	<u>To</u>	<u>Comments</u>
Temporary	_____	_____	_____	_____	_____
Surface	<u>steel</u>	<u>10"</u>	<u>0</u>	<u>100' max</u>	_____
Screen (10')	<u>Stainless ++</u>	<u>4"</u>	<u>To be determined</u>	<u>from Geophysical</u>	<u>0.02"</u>
			<u>logs</u>		
Completion Pipe	<u>stainless +</u>	<u>4"</u>	<u>0</u>	<u>TD</u>	_____

Standard material: Blank riser, silt trap, locking cap

N/A Data not available at this time

+ Type 304, Schedule 5 stainless steel

Type 304, Schedule 10 stainless steel (used below 400')

++ Regular strength screen, extra strength screen used below 450 feet

- (b) Filter pack: Standard 8/20 and 16/40 sand and bentonite plug(s), grout to surface.

8) PROPOSED WELL DEVELOPMENT

- (a) Surge and bail with surge block and bailer.
- (b) Pump with submersible pump until parameters stabilize.

9) WELL AUTHORIZATION

- (a) Proposed by Geoscience Consultants, Ltd.

- (b) Authorized William E. Waldrip NASA W. E. Waldrip 8/23/91  
(name) (representing) (signature)

NASA - WSTF STUDY AREA

