

MONITOR WELL PRE-SPUD PROPOSAL

- 1) WELL NAME/NUMBER: WB-8
- 2) PROPOSED LOCATION: (a) General (on or off-site) On-Site
(attach map Site Area South of 100 Area)
(b) Sect 11 Twnshp 21S Rng 3E SE ¼ SE ¼ SW ¼ SE ¼
- 3) WELL PARAMETERS:
(a) Est. total depth 425 (ft) (b) Est. ground elevation 4900 ft
(c) Anticipated stratigraphy:
Alluvium (Santa Fe Group) from 0 ' to 175 ' (depth)
Limestone from 175 ' to 425 ' (depth)
(d) Anticipated water bearing horizon(s):
Limestone at 265 ' (depth)
at _____ ' (depth)
(e) Anticipated static water level 225 ' (depth)
- 4) WELL PURPOSE/JUSTIFICATION (attach maps and table if needed):
Westbay well to determine vertical distribution of groundwater contamination and
aquifer properties southwest of the 100 Area. Well is located to intersect a
major subsurface fault zone.
- 5) PROPOSED DRILLING PARAMETERS:
(a) Drilling method(s): (air/foam/mud rotary/auger/etc.)
Mud-Rotary w/ 7 7/8" Tricone Bit from 0 ' to 175 ' (depth)
Air-Foam w/ 3 7/8" Air Hammer Bit from 175 ' 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 T.D. ' (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>carbon steel</u>	<u>5"</u>	<u>0</u>	<u>200'</u>	
Completion Pipe	<u>PVC-Sch 80*</u>	<u>2"</u>	<u>0</u>	<u>TD.</u>	

*open borehole completion using Westbay couples, pumping ports, monitoring ports, and packers.

(b) Packers placed in open borehole (no filter pack required).

8) PROPOSED WELL DEVELOPMENT

(a) Purge all fluids from hole prior to well completion.

9) WELL AUTHORIZATION

(a) Proposed by Geoscience Consultants, Ltd.

(b) Authorized Robert Mitchell NASA _____
(name) (representing) (signature)

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Peter [Signature]
Pat [Signature]
Ray [Signature]
Return to RLS

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	<u>PVC-Sch 80*</u>	<u>2"</u>	<u>0</u>	<u>TD.</u>	

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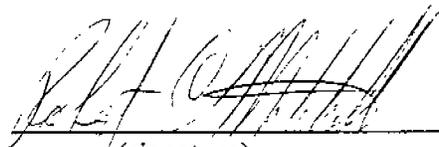
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