

Pre-desorption Well Information check list

I. Well Name: Operator _____ Lease _____

A. Location _____ ° _____ Latitude _____ ° _____ Longitude

B. Elevation: Ground: _____ Kelly Bushing _____

B. State _____ County _____ Country _____

C. API no. _____ Well permit no. _____

D. Township: _____ Range: _____ Section _____ 1/4 section: _____ Baseline _____

E. USGS Quadrangle: _____ USGS Geologic Map: _____

F. Rig road conditions: _____ 4x 4: required _____ suggested _____ not needed _____

G. Directions to site from well known point: _____

II. Geology

A. Net coal thickness expected in well: _____ ft. / Canister spacing _____ ft. = _____ # cans needed

B. Number of 2-4 ft thick coals: _____ ≥ 5ft coals _____ For drill cuttings ≈ # cans needed

C. Core points: 1) _____ ft 2) _____ ft 3) _____ ft. 4) _____ ft.

D. Core diameter: _____ (should be about 1/4 to 1/2 inch less than canister I.D.)

E. For Cuttings: Bit type: _____ Vertical or Directional Drilling? _____
(avoid PDC bits because they can grind the cuttings too fine for adequate gas retention).

F. _____ Caliper; _____ Gamma; _____ Neutron density/ Porosity logs available from nearby well ?
(some method to determine depth to coal, net coal, and any local markers)

The nearby well name: _____

G. BHT, DST (better) or other equilibrium coalbed temperature data available?

If so, the measured equilibrium coalbed temperature: 1) _____ °F at _____ ft.
2) _____ ° at _____ ft. 3) _____ ° at _____ ft. 4) _____ ° at _____ ft.

If not, 1) mean annual surface temp. _____ °F 2) local geothermal gradient _____ °F/100 ft.

Pre-desorption Well Information check list (Continued)

III. Well Site Information:

A. 12 or 24 hour drilling: _____ Spud date: _____ Estimated days to first coal _____

1) Daily high _____ ° and low _____ ° temp (tank insulation or cooling needed?, etc.)

B. Mud loggers on site? Y or N their names: _____

Company: _____ Phone at rig : _____

If not, Geolograph on rig: Y or N If not, is there a mud stream gas detector on rig? Y or N

C. Well Site Geologist: _____ Rig Phone: _____

D. Company man: _____ Rig Phone: _____

E. Tool Pusher: _____ Phone _____ Rig phone : _____

B. Cuttings: 1) Stairs or other quick access to shale shaker? (required)

2) a cuttings catcher platform just below the shaker outlet or
something to hang a bucket from or somehow place a bucket to catch cuttings

2) Lights at shale shaker (required for night drilling)

3) Water at shale shaker. (required)

C. Space to park USGS Trailer (if used) _____ or interior space at rig to put equipment? _____

D. Lodging at well site for us: Y or N Food for us at well site: Y or N Showers: Y or N

E. 110 v__ or 220 v __rig power ? Power stable? Y or N Bring trailer generator? Y or N

F. How close to power source can we get? _____ ft . ≈ number of feet of power cable needed.

IV. Local supplies:

A. Welding supply for He: _____ Town: _____ Phone: _____

B. Hardware store: _____ Town: _____ Phone: _____

D. Local Motel: _____ Town: _____ Phone: _____

F. Local Restaurants: Y or N suggestions: _____

G. Best Airport to fly to: _____ Town: _____ Airlines: _____

V. Shipping address for well site:

VI. Notes: