



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-005-01591 P WELL NO.: Mooney # 1
FARM NAME: W.E. Mooney
RESPONSIBLE PARTY NAME: PDC Mountaineer
COUNTY: Boone DISTRICT: Crook
QUADRANGLE: Madison 7.5'
SURFACE OWNER: Darrell G. & Hassie F. Conley
ROYALTY OWNER: _____
UTM GPS NORTHING: 4207277.1
UTM GPS EASTING: 433386.5 GPS ELEVATION: 250.745m

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential _____

Real-Time Differential

Mapping Grade GPS _____ : Post Processed Differential _____

Real-Time Differential _____

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

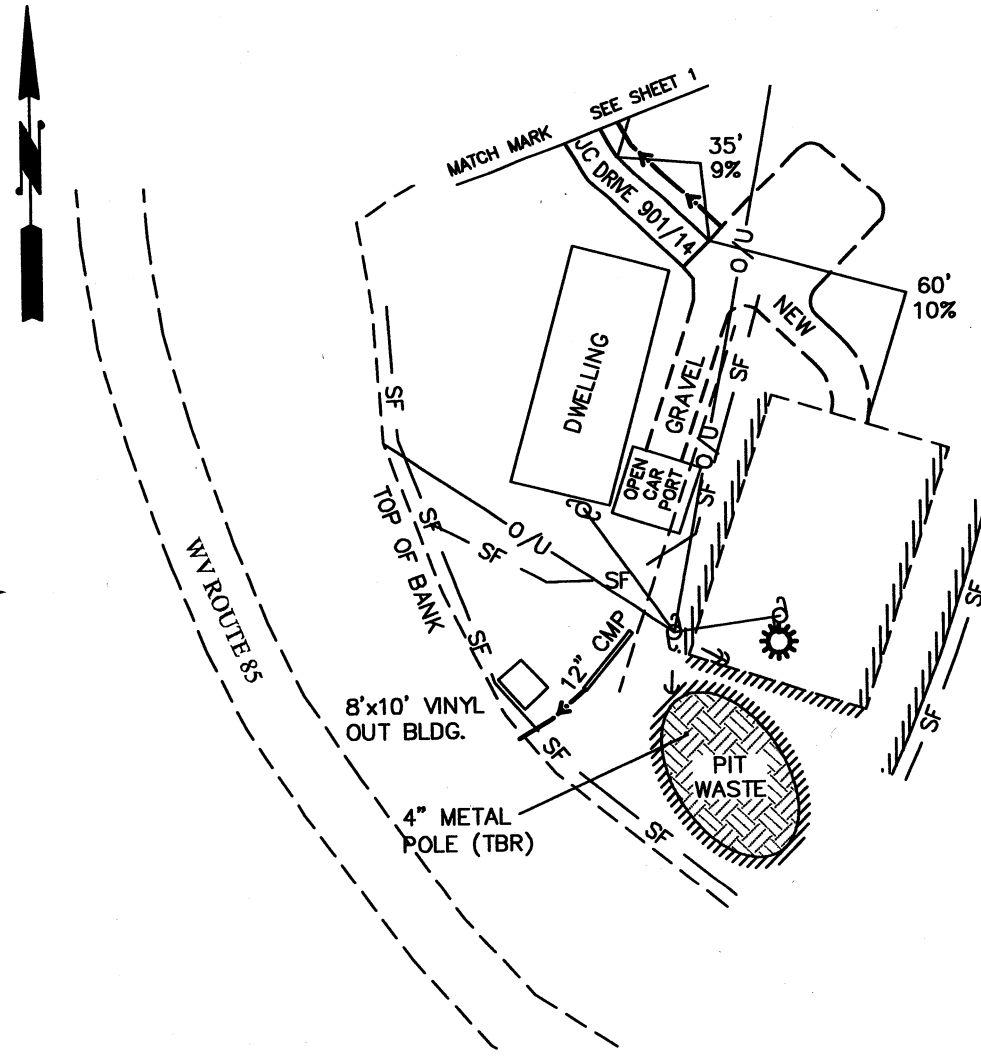
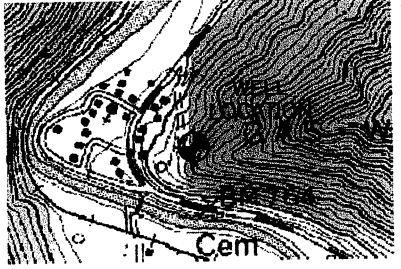
James E. Conley
Signature

EHS Professional
Title

10-3-11
Date

5-01591P

**WELL RECLAMATION PLAN
FOR PDC MOUNTAINEER
MOONEY NO. 1**



DARRELL G. & HASSIE F.
CONLEY
TM 12 PAR 08
DB 196 PG 397
1.25 AC ± SURFACE
10.50 AC. ± LEASE

B.S. 1-4-11

| LEDGEND | |
|--------------------------------------|-------------------|
| WELL= (W) | UTILITY POLE= (O) |
| DRILL SITE= (circle with cross) | GUY WIRE= (arrow) |
| WELL SPOT= (circle with dot) | |
| SPRING= (circle with arrow) | |
| BUILDING= (solid rectangle) | |
| COMPACTED FILL WALLS= (hatched oval) | |
| PIT CUT WALLS= (hatched oval) | |
| PIT WASTE= (hatched oval) | |
| GRAVEL= (stippled oval) | |
| SILT FENCE= (line with 'SF') | |
| PROPERTY LINE= (dashed line) | |
| EXISTING FENCE= (solid line) | |
| PLANNED FENCE= (dashed line) | |
| ROAD= (double line) | |
| OPEN DITCH= (line with arrows) | |
| STREAM LINE= (wavy line) | |
| CROSS DRAIN= (line with 'X's) | |
| FILTER STRIP= (line with 'X's) | |
| DIVERSION= (line with 'X's) | |

GENERAL NOTE

- This drawing is a schematic representation of the proposed well site and access road. Proposed structures such as well site pad, drilling pit, roadway, culverts, erosion and sediment control barriers, etc., are shown in approximate pre-planning configurations.
- Trees and slash will be cleared as necessary before any proposed road, drill pad or pipeline construction begins. Any residue materials available from clearing will be windrowed below the anticipated fill outlope(s) to intercept and retain sediment from the disturbed areas. Silt fence will be additionally installed as shown on the Reclamation Plan. All marketable timber above 8" will be cut and stacked in areas adjacent to operations for eventual removal.
- All roads shown on reclamation plan are identified as either existing or new construction. Unless otherwise noted all access roads whether existing or new shall be maintained in accordance with WV D.E.P. Office of Oil and Gas Erosion and Sediment Control BMP Field Manual as revised 2/98. Entrances upon county/state roads shall be maintained in accordance with WV D.O.T. regulations, however, separate permits may be further required by the WV D.O.T. Existing roads will be upgraded with additional stone as necessary. Newly constructed access roads will be stabilized with stone as necessary for ingress and egress to the drill site.
- All culvert pipes installed will be a minimum of 12" in diameter with length determined by field conditions. All installed and existing culvert pipes will be accompanied by an entrance sump, new culverts installed at an angle to ensure proper flow and protected from erosion and sedimentation using large rocks, rip-rap or other sediment control devices including the placement of hay bales at the sump inlet and outlet. All ditches will be maintained as required during the construction, drilling, completion and reclamation phases of this operation as required by the WV D.E.P. Office of Oil and Gas Erosion and Sediment Control BMP Field Manual. Stormwater from the ditches and culvert pipes will be directed to stable natural vegetative areas. During reclamation all water bars necessary for erosion and sedimentation control will be installed.
- All cut and fill slopes will be immediately stabilized, seeded and mulched after construction.
- All existing utilities within the construction area will be identified, marked and if necessary relocated by the contractor or company.
- Earthwork contractors are responsible for notification to the operator and inspector prior to any deviation from this plan.

THRASHER ENGINEERING
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30 COLUMBIA BOULEVARD - CLARKSBURG, WV 26301

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| WELL RECLAMATION PLAN FOR PDC MOUNTAINEER X | SCALE: NOT TO SCALE DRAWN: KCP CHECKED: APPROVED: | SHEET No. 2 |
| PROJECT# 080-4315 | | |