





**Sharon E. Dries**  
*Senior Regulatory Compliance Specialist*

June 19, 2007

**VIA UNITED PARCEL SERVICE**

Bureau of Land Management  
Roswell Field Office  
Attention: Randy Legler  
2909 West Second Street  
Roswell, NM 88201

Re: PJ Federal Com 1, NMNM 11596

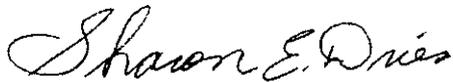
Dear Mr. Legler:

All of the reclamation work has been completed for the PJ Federal Com 1 well. The site was seeded on Friday, June 15, 2007. Bradley Blevins, Chesapeake Environmental Field Technician will get a signed written release from the surface landowner. When I receive a copy of the release, it will be forwarded to the BLM.

If you have any questions or need additional information, please do not hesitate to contact me through my direct number (405) 879-7985.

Sincerely,

Chesapeake Operating, Inc.

  
Sharon E. Dries

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## United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Roswell Field Office  
2909 West Second Street  
Roswell, New Mexico 88201

In Reply Refer To:  
3160(51300)

MAY 10 2007

CERTIFIED MAIL--RETURN RECEIPT REQUESTED  
7002 0860 0004 9559 2135

Chesapeake Operating, Inc.  
P.O. Box 18496  
Oklahoma, OK 73154-0496

RE: NMNM 11596  
PJ Federal Com #1--ABD  
API No.: 30-005-60672  
NWSE Section 6 T. 9 S. R. 26 E.  
Chaves County New Mexico.

The PJ Federal Com #1--ABD location was examined on April 18, 2007. Our examination found a surfaced stub access road and pad, a meter house, an apparently abandoned surface steel pipeline going westerly from the pad, a wooden cable spool, a small open top fiberglass tank about 4' in diameter by 5' tall. As provided for by the conditions of approval for the PJ Federal Com #1--ABD in your APD dated February 2, 1980 our remediation and reclamation requirements follow.

Arrange with your gas purchaser to have the meter house removed and to have the stub gathering line from the PJ Federal Com #1--ABD disconnected from the main gathering line.

Remove the all abandoned surface steel pipelines from the pad, the wooden cable spool, and the small open top fiberglass tank. Remember, if reclamation exposes an abandoned line it must also be removed. Cut the exposure off below ground surface where the line goes horizontal. Remediate and reclaim the PJ Federal Com #1--ABD location restoring the location to a clean, debris free and sanitary condition. Remove and dispose of debris and waste materials at an authorized site. Debris and waste means discarded matter including, but not limited to abandoned surface and/or subsurface pipelines exposed as a result of reclamation work, ashes, battery tanks, equipment, equipment parts, fencing, fluid drums, garbage, human waste, petroleum products, pump jacks, refuse, and trash. Decontaminate the location as needed. Remove and dispose of contaminated soils at an authorized disposal site.

As provided for by the conditions of approval for the PJ Federal Com #1--ABD well in your APD dated February 5, 1980 our remediation and reclamation requirements subject to private surface landowner concurrence and/or release follow. On private estate land the reclamation of the stub access road and well pad are subject to the private surface landowner concurrence. **Private surface landowner reclamation requirements and procedures take precedence over Federal requirements on private surface except for pit remediation when needed. State and/or Federal standards for pit remediation take precedence over private surface owner requirements. A signed written concurrence and/or surface owner release stating satisfaction with the surface reclamation and releasing Chesapeake Operating, Inc. from further responsibility is required for this location.**

The archaeological survey of record for the PJ Federal Com #1--ABD location documents a 400' X 400' survey area with the well bore at the center of the surveyed area. Assume the stub access road has a 50'

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wide surveyed corridor. If the previously surveyed area is not large enough to provide a remediation and reclamation work area an additional archaeological survey to current BLM standards of the additional work surface needed is required and must be approved by BLM in writing **before** surface disturbance occurs.

If the private surface landowner does not wish to retain the stub access road, pit area and/or well pad for his use, upon abandonment of this well location remove the surfacing material (caliche/gravel) from the stub access road and well pad and reclaim the pad and pad access road. **Confine reclamation activities to the areas previously disturbed during initial location construction and/or cleared by the preconstruction archaeological survey.** Remove the caliche surfacing down to the original soil horizon. The caliche may be reclaimed if desired. Remove all culverts, abandoned pipelines exposed as a result of reclamation work, and other structures from the road bed and pad. Rip the disturbed areas and turn outs to a depth of at least 16 inches with approximately 8 to 10 inches between rips. Rip on the contour to discourage soil erosion. The rips in the road can be spaced wider than 10" up to approximately 16" if they will better discourage vehicle traffic and are still at least 16" deep. Replace fill material in the cut areas. Reduce remaining cut-and-fill slopes to 3:1 or less. Fill or smooth barrow, lead-off ditches, drainage dips, and/or other erosion control earthwork. Return the reclaimed areas as closely as possible to the natural contours. Construct water breaks as needed at least eight inches high and perpendicular to the reclaimed road center line. Spread stockpiled topsoil when it is not frozen or wet over the area to be reclaimed and seeded. Leave the final surface rough enough to discourage vehicle traffic and trap wind blown and wind moved seeds as well as moisture. Protect reclaimed surfaces from vehicle travel. Construct traffic barriers at all vehicle access points to discourage further use of the reclaimed road and pad. A dead-end ditch and earthen barricade are acceptable. The barricade may be constructed using spoil from the ditch to discourage vehicle entry.

Reclaim the pad, pit area, and stub access road, i.e. all surfaces disturbed by past construction, drilling, and production activities. Seed the areas to be reclaimed to meet BLM's Desired Plant Community objectives. If the private surface owner wants the location reclaimed use the Shallow Sand SD-3 and Sandy SD-3 Ecological Sites seed mixture to meet BLM's Desired Plant Community objectives. Follow BLM's seeding procedure below to reclaim and seed surfaces disturbed by past construction and production activities. Use a certified noxious weed free seed mixture. Use seed tested for viability and purity in accordance with State law(s) within nine months prior to purchase. Use a commercial seed mixture certified or registered and tagged in accordance with State law(s). Make the seed available for inspection by BLM's Authorized Officer. Normally, the best time for seeding is between June 15<sup>th</sup> and September 15<sup>th</sup>. However, the disturbed areas may be seeded immediately after completing surface abandonment procedures. During dry weather applying enough water to cause the soil to crust over will help hold the seeds in place until enough natural precipitation falls to trigger germination.

Broadcast seed with a seed spreader then harrow for seed coverage or use a seed drill. Once seed is covered strive to leave a very rough surface to trap wind blown and wind moved seeds as well as moisture. Ensure the seed mixture is uniformly distributed over the area to be reclaimed. Apply enough water to cause the soil to crust over to help hold the seeds in place until enough natural precipitation falls to trigger germination. If necessary, repeat seeding until a satisfactory stand is established as determined by BLM's Authorized Officer.

On the **PJ Federal Com #1--ABD** location use BLM's Desired Plant Community seed mixture for the Shallow Sand SD-3 and Sandy SD-3 Ecological Sites (dated April 4, 2006):

<u>Common Name and Preferred Variety</u>	<u>Scientific Name</u>	<u>Pounds of Pure Live Seed per Acre</u>
Black grama or	<i>(Bouteloua eriopoda)</i>	3.0
Blue grama	<i>(Bouteloua gracilis)</i>	
Sideoats grama	<i>(Bouteloua curtipendula)</i>	2.0
Sand dropseed or	<i>(Sporobolus cryptandrus)</i>	1.5
Mesa dropseed or	<i>(S. flexuosus)</i>	
Spike dropseed	<i>(S. contractus)</i>	
Desert or	<i>(Sphaeralcea ambigua)</i>	1.0
Scarlet or	<i>(S. coccinea)</i>	
Globemallow or		
Croton	<i>(Croton spp.)</i>	1.0
TOTAL POUNDS PURE LIVE SEED PER ACRE		8.5

If one species is not available increase all others proportionately. Use no less than 4 species, including 1 forb. Apply no less than 8.5 pounds of pure live seed per acre.

**If the private landowner requires a different seed mixture and procedure follow the private landowner's requirements.**

**Contact Randy Legler, Surface Protection Specialist of the Roswell Field Office at 505 - 627 - 0215 at least three (3) working days before seeding and if you have questions. Make the seed mixture labels available for BLM inspection.**

**Within 30 days of receipt of this letter complete the above requirements for the PJ Federal Com #1--ABD well location.** You have the right to an administrative review of these requirements in accordance with the provisions in 43 CFR 3165.3. If you have questions or need clarification of these requirements contact, Randy Legler, Surface Protection Specialist, at 505 - 627- 0215.

**When the above required actions have been accomplished for the PJ Federal Com #1--ABD well location submit a Final Abandonment Notice on Form 3160-5 (Sundry Notice and Reports on Wells) stating surface restoration is complete and ready for inspection, an original and 5 copies are required.**

**Liability under bond persists until surface reclamation is complete and Chesapeake Operating, Inc. submits a signed written release from the surface landowner.**

Sincerely,  
  
Larry D. Bray  
Assistant Field Office Manger,  
Lands & Minerals