

**FORM INSP**  
Rev 05/11

**State of Colorado  
Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
----	----	----	----

Inspection Date:  
09/16/2014

Document Number:  
675200521

Overall Inspection:  
SATISFACTORY

**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____
	334440	334440	CONKLIN, CURTIS		

**Operator Information:**

OGCC Operator Number: <u>10433</u>
Name of Operator: <u>PICEANCE ENERGY LLC</u>
Address: <u>1512 LARIMER STREET #1000</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED
- INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

**Contact Information:**

Contact Name	Phone	Email	Comment
Bankert, Wayne	(970) 683-5419	wbankert@laramie-energy.com	Senior Regulatory & Environmental Coordinator
Kellerby, Shaun		shuan.kellerby@state.co.us	NW Supervisor

**Compliance Summary:**

QtrQtr: <u>NESW</u>	Sec: <u>25</u>	Twp: <u>9S</u>	Range: <u>93W</u>
---------------------	----------------	----------------	-------------------

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
08/29/2014	675200473			SATISFACTORY			No

**Inspector Comment:**

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
297406	WELL	XX	05/24/2014	LO	077-09686	Sup & Shep Federal 25-18W	XX
297407	WELL	XX	05/24/2014	LO	077-09687	Sup & Shep Federal 25-19W	XX
297408	WELL	DG	09/04/2014	LO	077-09688	Sup & Shep Federal 25-14M	DG
297409	WELL	XX	05/24/2014	LO	077-09689	Sup & Shep Federal 25-15W	XX
297410	WELL	XX	05/24/2014	LO	077-09690	Sup & Shep Federal 25-14W	XX
297411	WELL	XX	05/24/2014	LO	077-09691	Sup & Shep Federal 25-16W	XX
297412	WELL	DG	08/30/2014	LO	077-09692	Sup & Shep Federal 25-12M	DG
301660	WELL	DG	09/27/2014	LO	077-10007	Sup & Shep Federal 25-13M	DG
301661	WELL	DG	09/07/2014	LO	077-10008	Sup & Shep Federal 25-15M	DG



Group	User	Comment	Date
OGLA	kubeczkod	<p>ADDITIONAL SITE SPECIFIC COAs:</p> <p>Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) located on the well pad; or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.</p> <p>The access road will be constructed as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.</p> <p>The location is in an area of moderate to high run off/run-on potential; therefore the pad shall be constructed to prevent any stormwater run-on and/or stormwater runoff.</p> <p>Berms or other containment devices shall be constructed to be sufficiently impervious (preferably corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</p>	01/11/2013
Agency	kertr	Operator must submit new photos of the location prior to site disturbance and photos of the area to be used as the reference area during the growing season within one year of the permit date.	05/11/2010
OGLA	kubeczkod	Operator will implement measures to ensure that adequate separation of hydrocarbons from the influent occurs to prevent accumulation of oil on the surface of stored fluids. Operator shall also employ a method for monitoring buildup of phase-separated hydrocarbons on the surface of stored fluids.	05/28/2014
Agency	yokleyb	No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.	03/24/2010
Agency	yokleyb	Location is in a sensitive area because of proximity to surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.	03/24/2010
Agency	yokleyb	Location is in a sensitive area because of shallow groundwater; therefore either a lined drilling pit or closed loop system must be implemented.	03/24/2010
Agency	yokleyb	Operator must implement best management practices to contain any unintentional release of fluids.	03/24/2010
OGLA	kubeczkod	<p>Notify the COGCC 48 hours prior to start of frac pad reconstruction/reggrading, pipeline installation and testing (if applicable), start of hydraulic stimulation operations, and start of flowback operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>The frac pad facility shall be in operation for no longer than 6 months.</p>	05/28/2014

OGLA	kubeczkd	Operator shall pressure test pipelines in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface or permanent buried pipelines and following any reconfiguration of the pipeline network.	05/28/2014
OGLA	kubeczkd	Strategically apply fugitive dust control measures, including enforcing established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.  Operator shall stabilize exposed soils and slopes as an interim measure during frac pad operations at this site.  Additional containment shall be required where temporary or permanent pumps and other necessary equipment or chemicals are located on the frac pad site.  Operator will use adequately sized containment devices for all chemicals and/or hazardous materials stored or used on location.	05/28/2014
Agency	yokleyb	The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.	03/24/2010

**S/AV:** \_\_\_\_\_ **Comment:**

**CA:**  **Date:** \_\_\_\_\_

**Wildlife BMPs:**

BMP Type	Comment
PROPOSED BMPs	<p>NVega Pad 5C</p> <p>Applicant Proposed BMPs</p> <p>Delta proposes to implement the following Best Management Practices (BMPs) to prevent or reduce impacts caused by oil and gas operations. The following BMPs have been developed with landowner review and concurrence, and are included in the surface use agreement.</p> <p>Delta proposes the following applicant proposed BMP(s):</p> <ul style="list-style-type: none"> <li>• Develop multiple well sites by using directional drilling to reduce cumulative impacts and adverse impacts on wildlife resources.</li> <li>• Use a closed -loop drilling system to preclude the use of a reserve pit.</li> <li>• Fence the drill site to restrict public and ;wildlife access.</li> <li>• Keep the well site location, the road, and the pipeline easement safe and free of noxious weeds, litter and debris.</li> <li>• Spray for noxious weeds, and implement dust control, as needed.</li> <li>• Use water bars, and other measures to prevent erosion and nonsource pollution.</li> <li>• Delta will not permit the release or discharge of any toxic or hazardous chemicals or wastes on Owner's land.</li> <li>• Remove only the minimum amount of vegetation necessary for the construction of roads and facilities.</li> <li>• Conserve topsoil during excavation and reuse as cover on disturbed areas to facilitate regrowth of vegetation.</li> <li>• No construction or routine maintenance activities will be performed during periods when the soil</li> </ul>

is too wet to adequately support construction equipment.

- All surface facilities not subject to safety requirements shall be painted to blend with the natural color of the landscape.
- Utilize only such area around each producing well as is reasonably necessary.
- Restore the remainder of the well site location to its original condition within a reasonable time after the completion of operations.
- Construct and maintain gates where any roads used by Delta cross through fences on the leased premises, and keep gates locked when not in use.
- Implement and maintain BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation.
- All surface restoration shall be accomplished to the satisfaction of Owner.
- All reseeded shall be done with grasses consistent with a Rocky Mountain native mix and during a planting period selected by Owner.
- Ensure that a growing ground cover is established upon the disturbed soils, and reseed as necessary. If vegetation comparable to the original condition of the disturbed area is not established, such re-seeding shall be continued until such vegetation is established.
- Co-locate gas and water gathering lines, -and mitigate any erosion problems that arise due to the construction of any pipeline(s).
- Final reclamation shall be completed to the reasonable satisfaction of the Owner as soon as practical after installation (weather permitting), and in accordance with COGCC standards.

<p>Storm Water/Erosion Control</p>	<p>PICEANCE ENERGY, LLC                  Sup and Shep 25-11 Pad                  Lat: 39.24509 Long: -107.72265                  NESW Sec. 25, Twn. 9S, Rng. 93W 6th PM                  Mesa County, CO</p> <p>Stormwater Management</p> <p>Stormwater Management will be managed under Piceance Energy's (PE) proposed Stormwater Management Plan known as the "North Vega Project Area". Stormwater Plan and Permit in process for submittal to CDPHE.</p> <p>Prior to construction a stormwater "perimeter" will be built around the site for initial work purposes. Once the pad construction is completed, PE's Stormwater Administrator will inspect the site and install any necessary Erosion Control Devices to manage sediment discharge from the pad. These devices may include but are not limited to:</p> <ul style="list-style-type: none"> <li>- Rock Check dams</li> <li>- Settling ponds</li> <li>- Straw waddles</li> <li>- Silt Fencing (used sparingly)</li> </ul> <p>Once the final stormwater Erosion Control Devices are installed they will be mapped in GIS and a diagram of the site will be drafted and included as part of the Stormwater Documentation as required by the CDPHE General Permit.</p> <p>Each site will be inspected every 14 days and 72 hrs after any major storm event. These inspections will be recorded and documented in the Stormwater Manual onsite and any necessary repairs or modifications will be made and documented.</p> <p>Spill Prevention Control and Counter Measures (SPCC)</p> <p>Once the wells are drilled and completed onsite Piceance Energy will prepare a SPCC plan for the site.</p>
<p>Wildlife</p>	<p>PICEANCE ENERGY, LLC</p> <p>Best Management Practices (BMP's)                  To Reduce Impacts to Wildlife                  For Operations in the                  Piceance Basin</p> <p>***NO SWH or RSO in Section 25 All, Twn. 9S, Rng. 93W 6th PM Mesa County, CO</p> <p>In an effort to minimize the impacts to wildlife, the following BMP's are part of Piceance Energy's (PE) standard operating procedures for drilling and operations within the Piceance Basin. This list is a partial of PE's policy.</p> <p>Initial Stages for Infrastructure and Roads</p> <p>1. Road design and General</p> <ul style="list-style-type: none"> <li>- No firearms, no dogs on location, and no feeding of wildlife.</li> <li>- Minimize the amount of traffic on lease roads within 3 hours of sunrise and sunset.</li> <li>- Use existing routes as much as possible to avoid new disturbance and habitat fragmentation and minimize new road construction.</li> <li>- Maximize the topography as much as possible in designing roads to reduce, visual, noise, impacts, etc.</li> <li>- Participate in road sharing agreements with other Operators when possible.</li> <li>- Design and surface roads based on the traffic, speed, and type of vehicles to reduce, dust, mud, and environmental damage.</li> <li>- Locate roads away from riparian areas and bottoms of drainages as much as possible or re-route entirely.</li> <li>- Obtain Army Corp of Engineer Permits for any stream crossings prior to construction.</li> <li>- Analyze crossings and flow characteristics to determine the best method of crossing, (i.e.</li> </ul>

culvert, bridge, or low water).

- Armor all stream crossings to reduce erosion and to comply with Stormwater Requirements.
- Implementation of fugitive dust control measures including but not limited to water or magnesium chloride applications, and road surfacing.
- Limit traffic to the minimum needed for safe and efficient operations.
- No driving or parking off of disturbed areas.
- Install and use locked gates or other means when allowed by landowner or Federal Agencies to prevent unauthorized travel on roads and rights-of ways.

## 2. Well pad design and location

- Locate well pads to maximize directional drilling practices. PE currently plans and attempts to locate pads for 16-20 wells which equates to roughly 4 well pads per section.
- Design each location to accommodate both current and future gas production.
- Locate well pads to minimize disturbance yet maximize use to reduce surface impacts.
- Review State and Federal GIS mapping to avoid Sensitive Wildlife Habitat (SWH), Restricted Surface Occupancy (RSO) areas, steep slopes, etc., as much as possible with roads and pad location.
- Design and install gathering lines within the disturbed area of new roads and adjacent to as much as possible to reduce disturbance construction.
- Design Rights-of Way widths to the minimum needed for safe and efficient construction of pipelines
- Remote Telemetry for production operations

## 3. Drilling and Production Operations

- Implement remote telemetry in all operations
- Where topographically possible and subject to landowner approval, use centralized water gathering and transportation systems.
- Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents, and openings.
- Locate facilities to minimize visual effects (e.g. paint color, screening, etc.)
- PE implements a closed system in its operations. No fluid pits are constructed or used during drilling or completion operations.
- PE implements an aggressive weed management program. PE incorporates and uses the BLM Colorado River Valley Field Office's "Noxious and Invasive Weed Management Plan for Oil and Gas Operators- March 2007" for all operations. Each spring, Piceance inventories all pads, roads, and pipelines to insure no noxious weeds have been introduced. If noxious weeds are found, the county will be notified and the weeds will be treated. Weeds are continuously monitored and treated throughout the growing season. Only herbicides approved by the EPA and State are used by certified weed applicators.

## 4. Reclamation

- Strip and segregate topsoil from other soil horizons during pad, road, and pipeline construction.
- Minimize topsoil degradation by windrowing no higher than 5 feet when possible.
- Immediately seed topsoil to reduce erosion and prevent weed establishment and maintain soil microbial activity.
- Use only certified weed free native seed mixes, unless recommended otherwise by Federal Agencies or the Landowner.
- Use locally adapted seed when available.
- Use diverse seed mixes to mirror the surrounding area unless recommended otherwise by Federal Agencies or the Landowner.
- Monitor re-vegetation success until a minimum of 75% of preferred perennial plant cover (no weeds) is established.
- Perform "interim" reclamation on all disturbed areas not needed for active producing operations.
- If possible, conduct interim and final reclamation during optimum periods (e.g. late fall/early winter or early spring).
- If needed, fence reclaimed areas to minimize livestock/wildlife impact until plant species have are capable of sustaining grazing.

PICEANCE ENERGY, LLC  
BMPS FOR  
Sensitive Wildlife Habitat and Restricted Surface Occupancy  
Areas Specific to Piceance Energy, LLC

	<p>Operations Within the Piceance Basin Mesa County, CO</p> <p>***NO SWH or RSO in Section 25 All, Twn. 9S, Rng. 93W 6th PM Mesa County, CO</p> <p>Sensitive Wildlife Habitat (SWH)</p> <p>Black Bear</p> <ul style="list-style-type: none"> <li>• Initiate a food and waste/refuse management program that uses bear-proof food storage containers and trash receptacles.</li> <li>• Initiate an education program that reduces bear conflicts.</li> <li>• Establish policy to prohibit keeping food and trash in sleeping quarters.</li> <li>• Establish policy to support enforcement of state prohibition on feeding of black bear.</li> <li>• Report bear conflicts immediately to CDOW .</li> </ul> <p>Deer and Elk</p> <ul style="list-style-type: none"> <li>• Review State GIS and Federal GIS mapping databases at the initial stage of development to identify the locations of mule deer and elk important wintering habitats and production areas. Attempt to avoid any critical habitat patches with roads and development.</li> <li>• Attempt to avoid oil and gas activities within mule deer critical winter range, elk winter concentration areas, elk production areas, and migration corridors.</li> <li>• Phase and concentrate all development activities, so that large areas of undisturbed habitat for wildlife remain and thorough reclamation occurs immediately after development and before moving to new sites. Development should progress at a pace commensurate with reclamation success.</li> <li>• Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife.</li> <li>• Avoid aggressive non-native grasses and shrubs in reclamation</li> </ul>
Wildlife	<p>Best Management Practices (BMP's) To Reduce Impacts to Wildlife on the Sup and Shep 25-11 Pad For Operations in Sec. 25, Twn. 9S, Rng. 93W 6th PM Mesa County, CO</p> <p>COGCC Mapping indicates: ** NO RSO (Restricted Surface Occupancy) on the Sup and Shep 25-11 Pad. ** Other than Black Bear, there is NO SWH (Sensitive Wildlife Habitat) on the Sup and Shep 25-11 Pad.</p> <p>In an effort to minimize the impacts to wildlife, the following BMP's are part of Piceance Energy's (PE) standard operating procedures for drilling and operations within the Piceance Basin. This list is a partial of PE's policy.</p> <p>Initial Stages for Infrastructure and Roads</p> <p>1. Road design and General</p> <ul style="list-style-type: none"> <li>- No firearms, no dogs on location, and no feeding of wildlife.</li> <li>- Minimize the amount of traffic on lease roads within 3 hours of sunrise and sunset.</li> <li>- Use existing routes as much as possible to avoid new disturbance and habitat fragmentation and minimize new road construction.</li> <li>- Maximize the topography as much as possible in designing roads to reduce, visual, noise, impacts, etc.</li> <li>- Participate in road sharing agreements with other Operators when possible.</li> <li>- Design and surface roads based on the traffic, speed, and type of vehicles to reduce, dust, mud, and environmental damage.</li> <li>- Locate roads away from riparian areas and bottoms of drainages as much as possible or re-route entirely.</li> <li>- Obtain Army Corp of Engineer Permits for any stream crossings prior to construction.</li> <li>- Analyze crossings and flow characteristics to determine the best method of crossing, (i.e. culvert, bridge, or low water).</li> </ul>

- Armor all stream crossings to reduce erosion and to comply with Stormwater Requirements.
- Implementation of fugitive dust control measures including but not limited to water or magnesium chloride applications, and road surfacing.
- Limit traffic to the minimum needed for safe and efficient operations.
- No driving or parking off of disturbed areas.
- Install and use locked gates or other means when allowed by landowner or Federal Agencies to prevent unauthorized travel on roads and rights-of ways.

## 2. Well pad design and location

- Locate well pads to maximize directional drilling practices. PE currently plans and attempts to locate pads for the maximum number of wells which can safely be developed from each pad. This is normally 16-20 wells per pad which equates to roughly 4 well pads per section.
- Design each location to accommodate both current and future gas production.
- Locate well pads to minimize disturbance yet maximize use to reduce surface impacts.
- Review State and Federal GIS mapping to avoid Sensitive Wildlife Habitat (SWH), Restricted Surface Occupancy (RSO) areas, steep slopes, etc., as much as possible with roads and pad location.
- Design and install gathering lines within the disturbed area of new roads and adjacent to as much as possible to reduce disturbance construction.
- Design Rights-of Way widths to the minimum needed for safe and efficient construction of pipelines
- Remote Telemetry for production operations

## 3. Drilling and Production Operations

- Implement remote telemetry in all operations
- Where topographically possible and subject to landowner approval, use centralized water gathering and transportation systems.
- Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents, and openings.
- Locate facilities to minimize visual effects (e.g. paint color, screening, etc.)
- PE utilizes a dewatering system in its operations. No fluid pits are constructed or used during drilling or completion operations.
- PE implements an aggressive weed management program. PE incorporates and uses the BLM Colorado River Valley Field Office's "Noxious and Invasive Weed Management Plan for Oil and Gas Operators- March 2007" for all operations. Each spring, Piceance Energy inventories all pads, roads, and pipelines to insure no noxious weeds have been introduced. If noxious weeds are found, the county will be notified and the weeds will be treated. Weeds are continuously monitored and treated throughout the growing season. Only herbicides approved by the EPA and State are used by certified weed applicators.

## 4. Reclamation

- Strip and segregate topsoil from other soil horizons during pad, road, and pipeline construction.
- Minimize topsoil degradation by windrowing no higher than 5 feet when possible.
- Immediately seed topsoil to reduce erosion and prevent weed establishment and maintain soil microbial activity.
- Use only certified weed free native seed mixes, unless recommended otherwise by Federal Agencies or the Landowner.
- Use locally adapted seed when available.
- Use diverse seed mixes to mirror the surrounding area unless recommended otherwise by Federal Agencies or the Landowner.
- Monitor re-vegetation success until a minimum of 75% of preferred perennial plant cover (no weeds) is established.
- Perform "interim" reclamation on all disturbed areas not needed for active producing operations.
- If possible, conduct interim and final reclamation during optimum periods (e.g. late fall/early winter or early spring).
- If needed, fence reclaimed areas to minimize livestock/wildlife impact until plant species have are capable of sustaining grazing.

PICEANCE ENERGY, LLC  
BMPS FOR  
Sensitive Wildlife Habitat and Restricted Surface Occupancy  
Areas Specific to Piceance Energy, LLC

	<p>Operations Within the Piceance Basin Mesa County, CO</p> <p>Sensitive Wildlife Habitat (SWH)</p> <p>Black Bear</p> <ul style="list-style-type: none"> <li>• Initiate a food and waste/refuse management program that uses bear-proof food storage containers and trash receptacles.</li> <li>• Initiate an education program that reduces bear conflicts.</li> <li>• Establish policy to prohibit keeping food and trash in sleeping quarters.</li> <li>• Establish policy to support enforcement of state prohibition on feeding of black bear.</li> <li>• Report bear conflicts immediately to CPW .</li> </ul>
Storm Water/Erosion Control	Stormwater Permit No. COR03K454

**S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Stormwater:**

**Comment:** \_\_\_\_\_

**Staking:**

**On Site Inspection (305):**

Surface Owner Contact Information:

Name: \_\_\_\_\_ Address: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Operator Rep. Contact Information:

Landman Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 Date Onsite Request Received: \_\_\_\_\_ Date of Rule 306 Consultation: \_\_\_\_\_

Request LGD Attendance: \_\_\_\_\_

LGD Contact Information:

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Agreed to Attend: \_\_\_\_\_

Summary of Landowner Issues:

\_\_\_\_\_

Summary of Operator Response to Landowner Issues:

\_\_\_\_\_

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

\_\_\_\_\_

**Facility**

Facility ID: 438297 Type: WELL API Number: 077-10218 Status: XX Insp. Status: DG

\_\_\_\_\_

**Well Drilling**

**Rig:** Rig Name: Majors Pusher/Rig Manager: Matt Settles  
Permit Posted: SATISFACTORY Access Sign: SATISFACTORY

**Well Control Equipment:**

Pipe Ram: \_\_\_\_\_ Blind Ram: \_\_\_\_\_ Hydril Type: \_\_\_\_\_  
Pressure Test BOP: \_\_\_\_\_ Test Pressure PSI: \_\_\_\_\_ Safety Plan: \_\_\_\_\_

**Drill Fluids**

**Management:**

Lined Pit: \_\_\_\_\_ Unlined Pit: \_\_\_\_\_ Closed Loop: \_\_\_\_\_ Semi-Closed Loop: \_\_\_\_\_  
Multi-Well: \_\_\_\_\_ Disposal Location: \_\_\_\_\_

**Comment:**

Surface Rig

**Cement**

**Cement Contractor**

Contractor Name: Halliburton Contractor Phone: \_\_\_\_\_

**Surface Casing**

Cement Volume (sx): \_\_\_\_\_ Circulate to Surface: YES  
Cement Fall Back: NO Top Job, 1" Volume: \_\_\_\_\_

**Intermediate Casing**

Cement Volume (sxs): \_\_\_\_\_ Good Return During Job: \_\_\_\_\_

**Production Casing**

Cement Volume (sx): \_\_\_\_\_ Good Return During Job: \_\_\_\_\_

**Plugging Operations**

Depth Plugs(feet range): \_\_\_\_\_ Cement Volume (sx): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_ Cement Type: \_\_\_\_\_

**Comment:**

Pre-Flush  
40 bbls of fresh water  
  
Cement Type / Volume: Lead with 195 sx HOWCO VariCem + 0.25 lb/sx Poly-E-Flake mixed & pumped at 12.3 ppg. Tailed with 110 sx HOWCO VariCem + 0.25 lb/sx Poly-E-Flake mixed & pumped at 12.8 ppg. Pumped cement at 5 bpm average rate.  
  
Displacement Data: Displaced with drill mud, average rate 4 bpm. Bumped plug with 345 psi, float held. 24 bbls green cement to surface. WOC 4 hours before releasing pipe  
  
Comments: No problems to report. Cement did not fall back.

**Environmental**

**Spills/Releases:**

Type of Spill: \_\_\_\_\_ Description: \_\_\_\_\_ Estimated Spill Volume: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

Reportable: \_\_\_\_\_ GPS: Lat \_\_\_\_\_ Long \_\_\_\_\_

Proximity to Surface Water: \_\_\_\_\_ Depth to Ground Water: \_\_\_\_\_

**Water Well:**

DWR Receipt Num: \_\_\_\_\_ Owner Name: \_\_\_\_\_ GPS: \_\_\_\_\_ Lat \_\_\_\_\_ Long \_\_\_\_\_

**Field Parameters:**

Sample Location: \_\_\_\_\_

Emission Control Burner (ECB): \_\_\_\_\_

Comment: \_\_\_\_\_

Pilot: \_\_\_\_\_ Wildlife Protection Devices (fired vessels): \_\_\_\_\_

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: RANGELAND, RECREATIONAL, RESIDENTIAL, TIMBER

Comment: \_\_\_\_\_

- 1003a. Debris removed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Waste Material Onsite? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Unused or unneeded equipment onsite? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Pit, cellars, rat holes and other bores closed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Guy line anchors removed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Guy line anchors marked? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_

1003b. Area no longer in use? \_\_\_\_\_ Production areas stabilized ? \_\_\_\_\_

1003c. Compacted areas have been cross ripped? \_\_\_\_\_

1003d. Drilling pit closed? \_\_\_\_\_ Subsidence over on drill pit? \_\_\_\_\_

Cuttings management: \_\_\_\_\_

1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? \_\_\_\_\_

Production areas have been stabilized? \_\_\_\_\_ Segregated soils have been replaced? \_\_\_\_\_

**RESTORATION AND REVEGETATION**

Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

Non-Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

Comment: \_\_\_\_\_

Overall Interim Reclamation \_\_\_\_\_

**Final Reclamation/ Abandoned Location:**

Inspector Name: CONKLIN, CURTIS

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: RANGELAND, RECREATIONAL, RESIDENTIAL

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed \_\_\_\_\_ No disturbance /Location never built \_\_\_\_\_

Access Roads Regraded \_\_\_\_\_ Contoured \_\_\_\_\_ Culverts removed \_\_\_\_\_

Gravel removed \_\_\_\_\_

Location and associated production facilities reclaimed \_\_\_\_\_ Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation \_\_\_\_\_ Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% \_\_\_\_\_ Cropland: perennial forage \_\_\_\_\_

Weeds present \_\_\_\_\_ Subsidence \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date \_\_\_\_\_

Overall Final Reclamation Well Release on Active Location  Multi-Well Location

**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment

S/A/V: \_\_\_\_\_ Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

CA: \_\_\_\_\_

**Pits:**  NO SURFACE INDICATION OF PIT