Inspector Name: LONGWORTH, MIKE

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: 11/03/2014

Document Number: 674700540

Overall Inspection: SATISFACTORY

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	335144	335144	LONGWORTH, MIKE	☐	

Operator Information:

OGCC Operator Number: 96850

Name of Operator: WPX ENERGY ROCKY MOUNTAIN LLC

Address: 1001 17TH STREET - SUITE #1200

City: DENVER State: CO Zip: 80202

- ☐ 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
Moss, Brad	(970) 285-9377	Brad.Moss@WPXEnergy.com	Production foreman
Kellerby, Shaun		shaun.kellerby@state.co.us	
Gardner, Michael	970/285-9377 ext. 2760	Michael.Gardner@WPXEnergy.com	Principal Environmental Specialist

Compliance Summary:

QtrQtr: NWNW Sec: 33 Twp: 6S Range: 96W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
06/12/2013	663801125			SATISFACTORY	I		No

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
211345	WELL	PR	02/08/2005	GW	045-07105	UNOCAL GM 11-33	PR	☒
286914	WELL	PR	09/21/2006	GW	045-12832	WILLIAMS GM 511-33	PR	☒
286915	WELL	PR	09/21/2006	GW	045-12831	WILLIAMS GM 441-32	PR	☒
286916	WELL	PR	09/21/2006	GW	045-12830	WILLIAMS GM 411-33	PR	☒

Equipment: Location Inventory

Special Purpose Pits:		Drilling Pits:		Wells:	4	Production Pits:	
Condensate Tanks:	4	Water Tanks:	5	Separators:	4	Electric Motors:	
Gas or Diesel Mortors:		Cavity Pumps:		LACT Unit:		Pump Jacks:	
Electric Generators:		Gas Pipeline:	1	Oil Pipeline:	4	Water Pipeline:	1
Gas Compressors:		VOC Combustor:		Oil Tanks:		Dehydrator Units:	1
Multi-Well Pits:		Pigging Station:		Flare:		Fuel Tanks:	

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Location

Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
BATTERY	SATISFACTORY			
TANK LABELS/PLACARDS	SATISFACTORY			
WELLHEAD	SATISFACTORY			

Emergency Contact Number (S/A/V): SATISFACTORY Corrective Date:

Comment:

Corrective Action:

Spills:				
Type	Area	Volume	Corrective action	CA Date

☐ Multilple Spills and Releases?

Fencing/:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK BATTERY	SATISFACTORY			
WELLHEAD	SATISFACTORY			
IGNITOR/COMBUSTOR	SATISFACTORY			
SEPARATOR	SATISFACTORY			

Equipment:					
Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Horizontal Heated Separator	4	SATISFACTORY			
Bird Protectors	6	SATISFACTORY			
Plunger Lift	4	SATISFACTORY			
Emission Control Device	1	SATISFACTORY			

Facilities: ☐ New Tank Tank ID:

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	1	300 BBLS	STEEL AST	,

S/A/V:	SATISFACTORY	Comment:	

Corrective Action:		Corrective Date:	

Paint

Condition	Adequate

Other (Content)

Other (Capacity)

Other (Type)

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
Comment			

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	1	400 BBLS	HEATED STEEL AST	,

S/A/V:		Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	

Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
Comment			

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	1	400 BBLS	STEEL AST	,

S/A/V:	SATISFACTORY	Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	Adequate

Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
Comment			

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CONDENSATE	2	400 BBLS	HEATED STEEL AST	,

S/A/V:	SATISFACTORY	Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	Adequate

Other (Content) _____

Other (Capacity)

Other (Type)

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
Comment			

Facilities: New Tank Tank ID:

Contents	#	Capacity	Type	SE GPS
CONDENSATE	3	400 BBLS	STEEL AST	,

S/A/V:	SATISFACTORY	Comment:	

Corrective Action:		Corrective Date:	

Paint

Condition	Adequate

Other (Content)

Other (Capacity)

Other (Type)

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficent	Base Sufficient	Adequate

Corrective Action		Corrective Date	
Comment			

Venting:

Yes/No	Comment

Flaring:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Location ID: 335144

Site Preparation:

Lease Road Adeq.: Pads: Soil Stockpile:

S/A/V:

Corrective Action: Date: CDP Num.:

Form 2A COAs:

Group	User	Comment	Date
Agency	kubeczkod	Location is in a sensitive area because of shallow groundwater; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at tank pad site during operations.	01/13/2010
Agency	kubeczkod	Location is in a sensitive area due to shallow groundwater; therefore the secondary containment area needs to be lined.	01/13/2010

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Agency	kubeczkod	Operator must implement best management practices to contain any unintentional release of fluids.	01/13/2010

S/A/V: SATISFACTORY **Comment:** Tanks are set in a lined metal berm.

CA: **Date:**

Wildlife BMPs:

BMP Type	Comment
PROPOSED BMPs	Starkey Tank Pad (GM 11 -3 3) In addition to compliance with General Operating Requirements required under COGCC rule 1203 to be applied in Sensitive Wildlife Habitat and Restricted Surface Occupancy areas or COGCC 1204 to be applied statewide or in areas noted in the Rule, Williams will employ the following BMPs either field wide or at the specific location for which this Form 2A is being submitted. Field Wide BMPs: General • Prepare plans and studies to support wildlife conservation and protection • Contribute to and participate in wildlife studies and research efforts related to oil and gas activity's relationship to wildlife • Treat/control noxious weeds /plants including Tamarisk • Assist CDOW in obtaining access to private lands for wildlife research and conservation • Contribute to organizations that acquire /manage habitat • Continue to Support Operation Game Thief • Continue to support CDOW sportsman's programs • Participate in wildlife seminars and conferences (e.g. AFWA) • Focus Ranch and Property Management (Williams' owned /managed properties) on wildlife resources • Restrict and /or manage grazing to benefit wildlife • Construct habitat improvement projects as practical • Enforce policies to protect wildlife (e.g., no poaching, no firearms, no dogs on location, no feeding of wildlife, etc.). • Inventory, monitor and remove obsolete, degraded, or hazardous fencing on Williams owned property • Support research to test the effectiveness of specific Best Management Practices Planning • Conduct wildlife surveys to determine presence of game /non -game species /habitat

• Site access roads, pads and facilities in locations that minimize habitat impacts

• Minimize well pad density to the extent possible

• Minimize the number, size and distribution of well pads and locate pads along existing roads where possible.

• Plan pipelines routes ahead of time to avoid field fitting and reduce excessive ROW widths and reclamation.

• Adequately size infrastructure and facilities to accommodate both current and future gas production.

Construction

• Surface roads to ensure that the anticipated volume of traffic and the weight and speed of vehicles using the road do not cause environmental damage, including generation of fugitive dust and contribution of sediment to downstream areas.

• Protect culvert inlets from erosion and sedimentation and install energy dissipation structures at outfalls

• Salvage topsoil from all road construction and other rights -of -way and re -apply during interim and final reclamation.

• Strip and segregate topsoil prior to construction. Appropriately configure topsoil piles and immediately seed to control erosion, prevent weed establishment and maintain soil microbial activity.

Production /Reclamation

• Install automated emergency response systems (e.g., high tank alarms, emergency shut- down systems, etc.).

• Implement fugitive dust control program

• Avoid direct discharge of pipeline hydrostatic test water to any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river.

• Apply an aggressive, integrated, noxious and invasive weed management plan. Utilize an adaptive management strategy that permits effective responses to monitored findings and reflects local site and geologic conditions

• Map the occurrence of existing weed infestations prior to development to effectively monitor and target areas that will likely become issues after development.

• Use appropriately diverse reclamation seed mixes that mirror an appropriate reference area for the site being reclaimed where approved by landowner.

• Conduct seeding in a manner that ensures that seedbed preparation and planting techniques are targeted toward the varied needs of grasses, forbs and shrubs (e.g., seed forbs and shrubs separately from grasses, broadcast big sagebrush but drill

grasses, etc.)

• Emphasize bunchgrass over sod - forming grasses in seed mixes in order to provide more effective wildlife cover and to facilitate forb and shrub establishment.

• Seed during appropriate season to increase likelihood of reclamation success

• Do not include aggressive, non - native grasses in reclamation seed mixes

	• Choose reference areas as goals for reclamation that have high wildlife value, with attributes such a diverse and productive understory of vegetation, productive and palatable shrubs, and a high prevalence of native species. • Establish vegetation with total perennial non - invasive plant cover of at least eighty (80) percent of pre- disturbance or reference area levels. • Establish vegetation with plant diversity of non - invasive species which is at least half that of pre- disturbance or reference area levels. Quantify diversity of vegetation using a metric that considers only species with at least 3 percent relative plant cover.
PROPOSED BMPs	• Establish permanent and monumented photo points and vegetation measurement plots or transects; monitor at least annually until plant cover, composition, and diversity standards have been met. • Observe and maintain a performance standard for reclamation success characterized by the establishment of a self -sustaining, vigorous, diverse, locally appropriate plant community on the site, with a density sufficient to control erosion and non- native plant invasion and diversity sufficient to allow for normal plant community development. • Use early and effective reclamation techniques, including interim reclamation to accelerate return of disturbed areas for use by wildlife • Remove all unnecessary infrastructure during the production phase. • Remediate hydrocarbon spills on disturbed areas prior to reclamation. • Complete final reclamation activities so that seeding occurs during the first optimal season following plugging and abandonment of oil and gas wells. • Perform interim reclamation to final reclamation species composition and establishment standards. • Perform interim reclamation on all disturbed areas not needed for active support of production operations • Remove and properly dispose of degraded silt fencing and erosion control materials after their utility has expired • Apply certified weed free mulch and crimp or tacify to remain in place to reclaim areas for seed preservation and moisture retention • Control weeds in areas surrounding reclamation areas in order to reduce weed competition • Educate employees and contractors about weed issues • Where possible, fence livestock and /or wildlife out of newly reclaimed areas until reclamation standards have been met and plants are capable of sustaining herbivory • Conduct necessary reclamation and invasive plant monitoring. • Census and assess the utilization of the reclaimed areas by the target species • Maintain pre and post development site inspection records and monitor operations for compliance • Utilize GIS technologies to assess the extent of disturbance and document the reclamation progression and the footprint of disturbances • Conduct reclamation field trials to match seed mixes, soil preparation techniques, and planting methods to local conditions.

Site Specific BMPs:

Planning

• Share /consolidate corridors for pipeline ROWs to the maximum extent possible.

• Maximize the utility of surface facilities by developing multiple wells from a single pad (directional drilling), and by co- locating multipurpose facilities (for example, well pads and compressors) to avoid unnecessary habitat fragmentation and disturbance of additional geographic areas.

• Minimize newly planned activities and operations within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river.

• Locate roads outside of drainages where possible and outside of riparian habitat.

• Avoid constructing any road segment in the channel of an intermittent or perennial stream.

• Minimize the number, length, and footprint of oil and gas development roads;

• Use existing roads where possible

• Combine utility infrastructure (gas, electric, and water) planning with roadway planning to avoid separate utility corridors

• Combine and share roads to minimize habitat fragmentation

• Where possible, consolidate pipeline and existing roadways, or roadways that are planned for development

• Place roads to avoid obstructions to migratory routes for wildlife, and to avoid displacement of wildlife from public to private lands.

• Maximize use of long -term centralized tank batteries to minimize traffic

• Maximize use of remote telemetry for well monitoring to minimize traffic

• Restrict oil and gas activities as practical during critical seasonal periods

Production/Reclamation

• Remove well pad and road surface materials that are incompatible with post - production land use and re- vegetation requirements

• Use only certified weed -free native seed in seed mixes, except for non - native plants that benefit wildlife

• Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.

• Reduce visits to well -sites through remote monitoring (i.e. SCADA) and the use of multi - function contractors.

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: 211345 Type: WELL API Number: 045-07105 Status: PR Insp. Status: PR

Producing Well

Comment: Producing well

Facility ID: 286914 Type: WELL API Number: 045-12832 Status: PR Insp. Status: PR

Producing Well

Comment: Producing well

Facility ID: 286915 Type: WELL API Number: 045-12831 Status: PR Insp. Status: PR

Producing Well

Comment: Producing well

Facility ID: 286916 Type: WELL API Number: 045-12830 Status: PR Insp. Status: PR

Producing Well

Comment: Producing well

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:

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Water Well: Lat Long

DWR Receipt Num: Owner Name: GPS :

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

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:

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Overall Interim Reclamation

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: RANGELAND

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: ACTION REQUIRED Corrective Date: 12/05/2014

Comment: Cut slope wall behind tank battery is washing and eroding.

CA: Implement BMPs to prevent erosion and storm water run on.

Pits: ☒ NO SURFACE INDICATION OF PIT

Attached Documents

You can go to COGCC Images (https://cogcc.state.co.us/weblink/) and search by document number:

Document Num	Description	URL
674700541	Erosion of cut slope wall	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3473815
674700542	Erosion of cut slope wall	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3473816