Inspector Name: BURGER, CRAIG

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

FIELD INSPECTION FORM

DE	ET	OE	ES

Inspection Date: 02/03/2014

Document Number: 670201214

Overall Inspection: Satisfactory

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	416355	335243	BURGER, CRAIG	☐	

Operator Information:

OGCC Operator Number:

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
Kellerby, Shaun		Shaun.Kellerby@state.co.us	NW Field Supervisor
Gardner, Michael		Michael.Gardner@wpxenergy.com	Environmental Manager
Moss, Brad		Brad.Moss@wpxenergy.com	Production Foreman

Compliance Summary:

QtrQtr: NESE Sec: 29 Twp: 6S Range: 94W

Inspector Comment:

Facilities for these wells are on location #335291.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
211125	WELL	PR	12/22/1995		045-06884	COOK RW 5-29	PR	☒
256342	WELL	PR	10/27/1999	GW	045-07441	SAVAGE RWV 129-29	PR	☒
295182	WELL	PR	02/20/2009	GW	045-15693	SAVAGE RWF 443-29	PR	☒
295183	WELL	PA	10/19/2008	GW	045-15694	Savage RWF 334-29R	PR	☒
295184	WELL	PR	01/31/2009	GW	045-15695	SAVAGE RWF 434-29	PR	☒
295185	WELL	PR	05/20/2009	LO	045-15696	SAVAGE RWF 34-29	PR	☒
295186	WELL	PR	01/31/2009	GW	045-15697	SAVAGE RWF 533-29	PR	☒
416355	WELL	PR	10/01/2011	GW	045-19254	SAVAGE RWF 433-29	PR	☒
416356	WELL	PR	10/01/2011	GW	045-19255	SAVAGE RWF 33-29	PR	☒
416360	WELL	PR	10/01/2011	GW	045-19256	SAVAGE RWF 444-29	PR	☒
416361	WELL	PR	10/01/2011	GW	045-19257	SAVAGE RWF 543-29	PR	☒
416363	WELL	PR	10/01/2011	GW	045-19258	SAVAGE RWF 344-29	PR	☒

Equipment: Location Inventory

Inspector Name: BURGER, CRAIG

Special Purpose Pits:		Drilling Pits:		Wells:	12	Production Pits:	
Condensate Tanks:		Water Tanks:	1	Separators:	12	Electric Motors:	
Gas or Diesel Mortors:		Cavity Pumps:		LACT Unit:		Pump Jacks:	
Electric Generators:		Gas Pipeline:	1	Oil Pipeline:		Water Pipeline:	
Gas Compressors:		VOC Combustor:		Oil Tanks:		Dehydrator Units:	
Multi-Well Pits:		Pigging Station:		Flare:		Fuel Tanks:	

Location

Signs/Marker:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Unsatisfactory	RWF 33-29 and RFW 533-29 signs have incorrect API #'s.	Install sign to comply with rule 210.	**03/21/2014**
CONTAINERS	Satisfactory			

Emergency Contact Number: (S/U/V) Satisfactory Corrective Date:

Comment:

Corrective Action:

Spills:				
Type	Area	Volume	Corrective action	CA Date

☐ Multilple Spills and Releases?

Fencing/:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Satisfactory	wire fence		

Equipment:					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Plunger Lift	11	Satisfactory			
Ancillary equipment	2	Satisfactory	descaler units		
Flow Line	1	Satisfactory			

Venting:	
Yes/No	Comment
YES	bradenhead valves open

Flaring:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill

Location ID: 416355

Site Preparation:

Lease Road Adeq.: Pads: Soil Stockpile:

S/U/V:

Corrective Action: Date: CDP Num.:

Form 2A COAs:

Group	User	Comment	Date
Agency	kubeczkod	Operator must implement best management practices to contain any unintentional release of fluids.	03/07/2010
Agency	kubeczkod	Location is in a sensitive area because of close surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.	03/07/2010

S/U/V: Satisfactory **Comment:** No drilling or completions at time of inspection.

CA: **Date:**

Wildlife BMPs:

BMP Type	Comment
PROPOSED BMPs	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. • Avoid new surface disturbance and placing new facilities in key wildlife habitats in consultation with CDOW. • 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. • Design roads with visual and auditory buffers or screens (e.g., topographic barriers, vegetation, and distance). • Maximize the use of directional drilling to minimize habitat loss /fragmentation • Maximize use of remote completion/frac operations to minimize traffic • Maximize use of remote telemetry for well monitoring to minimize traffic • Phase and concentrate development activities, so that large areas of undisturbed habitat for wildlife remain. • Maintain undeveloped areas within development boundaries sufficient to allow wildlife to persist within development boundaries during all phases of construction, drilling, and production. • Minimize the duration of development and avoid repeated or chronic disturbance of developed areas. Complete all anticipated drilling within a phased, concentrated, development area during a single, uninterrupted time period. • Restrict oil and gas activities as practical during critical seasonal periods • Implement self imposed timing limitations to protect species and/or habitat

	Construction • Structures for perennial or intermittent stream channel crossings should be constructed using appropriately sized bridges or culverts • Design road crossings of streams to allow fish passage at all flows and to minimize the generation of sediment. • Design road crossings of streams at right angles to all riparian corridors and streams to minimize the area of disturbance to the extent possible. • Construct retention basins and ponds that benefit wildlife Drilling/Completions • Use centralized hydraulic fracturing operations. • Install and maintain adequate measures to exclude all types of wildlife (e.g., big game, birds, and small rodents) from all fluid pits (e.g., fencing, netting, and other appropriate exclusion measures). • Conduct well completions with drilling operations to limit the number of rig moves and traffic. Production/Reclamation • Utilize staked soil retention blankets for erosion control and reclamation of large surface areas with 3:1 or steeper slopes. Avoid use of plastic blanket materials. • Restore both form and function of impacted wetlands and riparian areas and mitigate erosion. • 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. • Avoid dust suppression activities within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river where possible. • Bore pipelines that cross perennial streams • Install and use locked gates or other means to prevent unauthorized vehicular travel on roads and facility rights -of -way.
PROPOSED BMPs	• Gate access roads where necessary to minimize /control access to "crucial habitats" • 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.

• Locate above - ground facilities to minimize the visual effect (e.g., low profile equipment, appropriate paint color, vegetation screening in wooded areas, etc.).

• Skim and eliminate oil from produced water ponds and fluid pits at a rate sufficient to prevent oiling of birds or other wildlife that could gain access to the pit.

• 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.

• Evaluate the utility of soil amendment application or consider importing topsoil to achieve effective reclamation.

• Use locally adapted seed whenever available and approved by landowner.

• 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.

• 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.

• Reclaim reserve pits as quickly as practical after drilling and ensure that pit contents do not

	contaminate soil. • 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 • Remove and properly dispose of pit contents where contamination of surface water, groundwater, or soil by pit contents cannot be effectively prevented • 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 • Identify native species for which commercial seed sources are not available. Provide support to contractors for developing cultivation and seed production techniques for needed species • 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
PROPOSED BMPs	RMV 129-29 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

• Focus BMPs on critical wildlife seclusion and "crucial habitats'

• 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

• Identify conservation easement opportunities on Williams- owned /managed properties

• Acquire water rights and irrigate key habitat areas

• Restrict and/or manage grazing to benefit wildlife

• Fence and restrict activities in locations that provide high value habitat

• 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

• Identify and Protect "crucial habitats"

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

• Identify private and Federal land seclusion areas where drilling will be voluntarily deferred in critical seasonal habitats

• Identify and protect migration corridors

• 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.

• Cluster well pads in the least environmentally sensitive areas.

• 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

• Schedule necessary construction in stream courses to avoid critical spawning times.

• 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

• Use the minimum right -of -way width and vegetation mats where pipelines cross riparian areas and streams wherever possible

• Construct fluid pit fences and nets that are capable of withstanding animal pressure and environmental conditions and that are appropriately sized for the wildlife encountered.

• Install impermeable barriers beneath fluid pits to protect groundwater, riparian areas and wetlands.

• 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

Drilling/Completions

• Continue application of BMPs to prevent wildlife from entering pits including fencing and netting where appropriate

• Limit days/hours operations where practical to minimize disturbance and traffic

• Promptly report spills that affect wildlife to the CDOW.

• Store and stage emergency spill response equipment at strategic locations so that it is available to expedite effective spill response.

• Limit parking to already disturbed areas that have not yet been reclaimed

• Screen water suction hoses to exclude fish.

	• Reduce noise by using effective sound dampening devices or techniques (e.g., hospital -grade mufflers, equipment housing, insulation, installation of sound barriers, earthen berms, vegetative buffers, etc.). Production/Reclamation

S/U/V: Satisfactory **Comment:** Wells drilled at location of existing wells.

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: 211125 Type: WELL API Number: 045-06884 Status: PR Insp. Status: PR

Producing Well

Comment: producing

Facility ID: 256342 Type: WELL API Number: 045-07441 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 295182 Type: WELL API Number: 045-15693 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 295183 Type: WELL API Number: 045-15694 Status: PA Insp. Status: PR

Producing Well

Comment: Plunger lift. COGCC database shows well is plugged and abandoned. Productin records are reported.

Facility ID: 295184 Type: WELL API Number: 045-15695 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 295185 Type: WELL API Number: 045-15696 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 295186 Type: WELL API Number: 045-15697 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416355 Type: WELL API Number: 045-19254 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416356 Type: WELL API Number: 045-19255 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416360 Type: WELL API Number: 045-19256 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416361 Type: WELL API Number: 045-19257 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416363 Type: WELL API Number: 045-19258 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

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:

Lat Long

DWR Receipt Num: _____ Owner Name: _____ GPS : _____ _____

Inspector Name: BURGER, CRAIG

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: Snow cover limited inspection.

1003a. Debris removed? Pass CM _____

CA _____ CA Date _____

Waste Material Onsite? _____ CM _____

CA _____ CA Date _____

Unused or unneeded equipment onsite? Pass 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? Pass

1003d. Drilling pit closed? Pass 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: BURGER, CRAIG

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
Compaction	Pass	Compaction	Pass	MHSP	Pass	

S/U/V: _____ Corrective Date: _____

Comment: Snow cover limited inspection.

CA:

Pits: ☐ NO SURFACE INDICATION OF PIT