

Inspector Name: NEIDEL, KRIS

**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
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Inspection Date:

04/17/2013

Document Number:

669300487

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>423734</u>	<u>423735</u>	<u>NEIDEL, KRIS</u>	<input type="checkbox"/>	

Operator Information:OGCC Operator Number: 78110 Name of Operator: SWEPI LPAddress: 4582 S ULSTER ST PKWY #1400City: DENVER State: CO Zip: 80237**Contact Information:**

Contact Name	Phone	Email	Comment
Cornell, Charles		charles.cornell@shell.com	
baldrige, anne		a.baldrige@shell.com	

Compliance Summary:QtrQtr: SENW Sec: 29 Twp: 5N Range: 90W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
01/18/2012	662300119	XX	XX	S			N
07/21/2011	200325364	DG	DG	U			Y

Inspector Comment:

all equiptemt same as previous inspection.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
423734	WELL	SI	10/30/2012	OW	081-07658	HARPER HILL 1-29	<input checked="" type="checkbox"/>
423736	WELL	PR	10/30/2012	LO	081-07659	HARPER HILL 2-29	<input checked="" type="checkbox"/>

Equipment:Location Inventory

Special Purpose Pits: _____	Drilling Pits: <u>1</u>	Wells: <u>2</u>	Production Pits: _____
Condensate Tanks: <u>1</u>	Water Tanks: <u>3</u>	Separators: <u>2</u>	Electric Motors: _____
Gas or Diesel Mortors: <u>1</u>	Cavity Pumps: <u>2</u>	LACT Unit: _____	Pump Jacks: <u>2</u>
Electric Generators: <u>3</u>	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: <u>2</u>	VOC Combustor: _____	Oil Tanks: <u>3</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: <u>1</u>	Fuel Tanks: <u>2</u>

LocationEmergency Contact Number: (S/U/V) _____

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?

Venting:		
Yes/No	Comment	

Flaring:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill

Location ID: 423735

Site Preparation:

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

Corrective Action: _____

Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	<p>GENERAL SITE COAs:</p> <p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines.</p> <p>Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals, and maintained in good condition.</p> <p>Based on information from the operator, fracing of these horizontal wells is not planned. However, if during the completion process, the operator decides that portions of the production zone will require fracing and stimulation; all flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks 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 surface soils and materials are fine-grained and highly unconsolidated; therefore the pad shall be constructed as quickly as possible and appropriate BMPs need to be in place both during, after well pad construction completion, as well as during all drilling and well completion operations. Standard stormwater BMPs must be implemented at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and /or stormwater runoff.</p> <p>Berms or other containment devices shall be constructed to be sufficiently impervious to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</p>	05/11/2011
OGLA	kubeczkod	<p>CONSTRUCTION/DRILLING COA:</p> <p>The drilling pit must be lined, or a closed loop system (which operator has indicated on the Form 2A) must be implemented during drilling.</p>	05/11/2011

Comment:

CA:

Date:

Wildlife BMPs:

BMP Type	Comment
PROPOSED BMPs	<p>Best Management Practices Summary APR 18 2011</p> <p>Harper Hill 1 -29 & 2 -29</p> <p>Stormwater Management Plans (SWMP) are in place to comply with both Colorado Department of Public Health and Environment (CDPHE) and Colorado Oil and Gas Control Commission (COGCC) stormwater discharge permits. The construction layout for Harper Hill 1 -29 & 2 -29 details Best Management Practices (BMP) to be installed</p> <p>during initial construction. Note that BMPs may be removed, altered, or replaced with changing conditions in the field and the SWMP will be updated accordingly.</p> <p>The BMPs prescribed for the initial construction phase include, but are not limited to</p> <ul style="list-style-type: none"> • Construction diversion ditch • Sediment reservoirs • Check dams • Level spreaders • Stabilized construction entrance • Slash • Sediment trap • Wattle • Terrace • Secondary containment berms • Detention ponds <p>Spill Prevention Plans (SPCC) are in place to address material releases and to prescribe materials handling BMPs for the facility. "Good house - keeping" measures will be taken to ensure proper waste disposal.</p> <p>Please refer to the attached email from the Colorado Department of Wildlife for Wildlife BMPs.</p> <p>From: Winters, Edward rmai lto: Edward.Winters(ostate.co.usl</p> <p>Sent: Thursday, April 14, 2011 1:43 PM</p> <p>To: Aleta A. Brown</p> <p>Cc: Michael. BerostromCalshell.com</p> <p>Subject: RE: Shell - Harper Hill and Greasewood O &G Locations for Your Review</p>

For Harper Hill:

- Where oil and gas activities must occur in mule deer critical winter range or elk winter concentration areas, conduct these activities outside the time period from December 1 through April 15
- Restrict post - development well site visitations to between the hours of 10:00 a.m. and 3:00 p.m. and reduce well site visitations between December 1 and April 15 in mule deer and elk winter range.
- Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.
- Prior to development, establish baseline vegetation condition and inventory and to provide a basis for post - development habitat restoration.
- Gate single - purpose roads and restrict general public access to reduce traffic disruptions to wildlife.
- Close and immediately reclaim all roads that are redundant, not used regularly, or have been abandoned to the maximum extent possible to minimize disturbance and habitat fragmentation.
- Avoid aggressive non - native grasses and shrubs in mule deer and elk habitat restoration.
- Reclaim mule deer and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.
- Restore appropriate sagebrush species or subspecies on disturbed sagebrush sites. Use locally collected seed for reseeding where possible.

This will address the BMP's that will satisfy CDOW for the Harper Hill location.

Thank you,

F.d Winters

Land Use Specialist

Northwest Region

PO Box 1181

Meeker, Colorado 81641

(970) 878.6069

edward.winters@state.com

Material Handling and
Spill Prevention

Spill Prevention Plans (SPCC) are in place to address material releases and to prescribe materials handling BMPs for the facility.

Construction

The construction layout for Herring Draw #1-9 details Best Management Practices (BMP) to be installed during initial construction.

Construction	<ul style="list-style-type: none"> Construction diversion ditch Sediment reservoirs Check dams Level spreaders Stabilized construction entrance Slash Sediment trap Wattle Terrace Secondary containment berms Detention ponds 			
Storm Water/Erosion Control	<p>Stormwater Management Plans (SWMP) are in place to comply with both Colorado Department of Public Health and Environment (CDPHE) and Colorado Oil and Gas Control Commission (COGCC) stormwater discharge permits.</p>			
PROPOSED BMPs	<p>Bird State 32 -8</p> <p>SE NE Section 32, TSS, R64W</p> <p>Arapahoe County, Colorado</p> <p>Stormwater Management & Proposed BMP's</p> <p>Renegade Oil & Gas Company, LLC (Renegade) has in place Stormwater Management Plans for both construction and post - construction activities that ensure compliance with both the Colorado Department of Public Health and Environment (CDPHE) and Colorado Oil & Gas Conservation Commission (COGCC) requirements.</p> <p>The plans provide for various sediment control BMP's that are applied on a site specific basis. These BMP's include fiber rolls, silt fences, straw bales, berms, dams, ditches, culverts, mulching, revegetation, etc. Not all BMP's will be used at each</p> <p>construction site. Renegade, and its consultants, attempt to use BMP's that minimize surface disturbance and adverse environmental impacts.</p> <p>The site for the Bird State 32 -8 is sloping pastureland and will require some moderate cut and fill. Renegade will construct a drill site by moving and segregating the topsoil to the exterior of the drill site. We will then level and berm the entire site, thus providing containment for the entire site, and facilitating interim reclamation by recountouring and then returning the topsoil to the drill site.</p>			
General Housekeeping	<p>"Good house-keeping" measures will be taken to ensure proper waste disposal.</p>			
<p>Comment: <input style="width: 80%;" type="text"/></p>				
<p>CA: <input style="width: 60%;" type="text"/> Date: <input style="width: 30%;" type="text"/></p>				
<p>Stormwater:</p>				
Erosion BMPs	Present	Other BMPs	Present	
<input style="width: 95%;" type="text"/>	<input style="width: 5%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 5%;" type="text"/>	
<p>Corrective Action: <input style="width: 70%;" type="text"/> Date: <input style="width: 30%;" type="text"/></p>				
<p>Comments: Erosion BMPs: <input style="width: 80%;" type="text"/></p> <p>Other BMPs: <input style="width: 80%;" type="text"/></p>				
<p>Comment: <input style="width: 95%;" type="text"/></p>				
<p>Staking: <input style="width: 95%;" type="text"/></p>				

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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: 423734 Type: WELL API Number: 081-07658 Status: SI Insp. Status: TA

Idle Well

Purpose: ☐ Shut In ☒ Temporarily Abandoned Reminder: _____

S/V: Satisfactory

CA Date: _____

CA: _____

Comment: pump and flow lines removed.

Facility ID: 423736 Type: WELL API Number: 081-07659 Status: PR Insp. Status: PR

Producing Well

Comment: test pump on 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: _____

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

Comment: _____

1003a. Debris removed? Pass CM _____
 CA _____ CA Date _____
 Waste Material Onsite? Pass CM _____
 CA _____ CA Date _____
 Unused or unneeded equipment onsite? Pass CM _____
 CA _____ CA Date _____
 Pit, cellars, rat holes and other bores closed? Pass 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? Pass Production areas stabilized ? Pass1003c. Compacted areas have been cross ripped? Pass1003d. Drilling pit closed? Pass Subsidence over on drill pit? Pass

Cuttings management: _____

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

Production areas have been stabilized? _____

Segregated soils have been replaced? _____

RESTORATION AND REVEGETATIONCropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-CroplandTop soil replaced Pass Recontoured Pass 80% Revegetation In

1003 f. Weeds Noxious weeds? _____

Comment: _____

Overall Interim Reclamation In Process**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 _____

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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

Multi-Well Location



Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Berms	Pass					
Culverts	Pass					
Retention Ponds	Pass					
Waddles	Pass					
Compaction	Pass					
Gravel	Pass					

S/U/V: Satisfactory _____ Corrective Date: _____

Comment: _____
CA: _____