

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



Inspection Date:
09/07/2016
Document Number:
673403592
Overall Inspection:
ACTION REQUIRED

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>223244</u>	<u>312997</u>	<u>Waldron, Emily</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number: 10525
Name of Operator: SANTA FE NATURAL RESOURCES INC
Address: 4833 FRONT STREET UNIT B 506
City: CASTLE ROCK State: CO Zip: 80104

- 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
Kubeczko, Dave		dave.kubeczko@state.co.us	
SULLIVAN, MICHAEL	(303) 681-5901	durangopl@earthlink.net	
Andrews, Dave		david.andrews@state.co.us	

Compliance Summary:

QtrQtr: NESE Sec: 3 Twp: 7N Range: 94W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
07/03/2012	662300644	PR	PR	ACTION REQUIRED	Fail		No
06/23/2003	200045379	PR	PR	ACTION REQUIRED		Pass	No

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
223244	WELL	SI	07/25/2012	OW	081-06608	MCINTYRE 1-3 ST	SI	<input checked="" type="checkbox"/>
258441	PIT	CL	11/06/2000		-	MCINTYRE 1-3 (HISTORICAL ENTRY)	CL	<input type="checkbox"/>
287491	PIT	AC	10/19/2006		-	MCINTYRE 1-3 ST	AC	<input type="checkbox"/>
440654	WELL	XX	12/27/2014	LO	081-07815	McIntyre 1-3R	XX	<input type="checkbox"/>

Equipment:

Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>2</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>1</u>	Separators: <u>1</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: <u>1</u>
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: <u>4</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location				
Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK LABELS/PLACARDS	ACTION REQUIRED	No label on buried fiberglass tank in tank battery.	Install sign to comply with rule 210.	10/07/2016
BATTERY	ACTION REQUIRED	Sign at wellhead. No sign located at battery.	Install sign to comply with rule 210.	10/07/2016
TANK LABELS/PLACARDS	SATISFACTORY	Crude oil tanks properly labeled.		
WELLHEAD	SATISFACTORY			

Emergency Contact Number (S/AR): SATISFACTORY Corrective Date: _____

Comment: 970-326-7533

Corrective Action: _____

Good Housekeeping:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WEEDS	ACTION REQUIRED	Annual weeds inside tank battery. Noxious weeds on northern cut slope.	Comply with Rule 603.f using the Rule 603.f guidance document for further details.	09/19/2016
STORAGE OF SUPL	ACTION REQUIRED	Tubing stored at wellhead.	Comply with Rule 603.f using the Rule 603.f guidance document for further details.	11/07/2016

Spills:				
Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

Equipment:				
Type: Gas Meter Run	# 2	Satisfactory/Action Required: SATISFACTORY		
Comment				
Corrective Action				Date:
Type: Pump Jack	# 1	Satisfactory/Action Required: ACTION REQUIRED		
Comment Stained soil at wellhead. Venting sound coming from wellhead.				
Corrective Action Securely fasten all valves, pipes, and fittings to ensure good mechanical condition per Rule 605.d.				Date: 10/7/2016
Type: Bird Protectors	#	Satisfactory/Action Required: SATISFACTORY		
Comment				
Corrective Action				Date:
Type: Horizontal Heater Treater	# 1	Satisfactory/Action Required: SATISFACTORY		
Comment				
Corrective Action				Date:
Type: Deadman # & Marked	# 4	Satisfactory/Action Required: SATISFACTORY		

Comment	
Corrective Action	Date:

Tanks and Berms: New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	1	400 BBLS	STEEL AST	,
S/AR	SATISFACTORY		Comment:	
Corrective Action:			Corrective Date:	

Paint

Condition	Adequate
Other (Content)	_____
Other (Capacity)	_____
Other (Type)	_____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Adequate			Adequate
Corrective Action			Corrective Date	
Comment				

Tanks and Berms: New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
	1		BV FIBERGLASS	40.584810,-107.925920
S/AR	SATISFACTORY		Comment:	
Corrective Action:			Corrective Date:	

Paint

Condition	Adequate
Other (Content)	_____
Other (Capacity)	_____
Other (Type)	_____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Adequate			Adequate
Corrective Action			Corrective Date	
Comment				

Tanks and Berms: New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	1	300 BBLS	STEEL AST	,
S/AR	SATISFACTORY		Comment:	
Corrective Action:			Corrective Date:	

Paint

Condition	Adequate
Other (Content)	_____

Inspector Name: Waldron, Emily

Other (Capacity) _____				
Other (Type) _____				
Berms				
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Adequate			Adequate
Corrective Action				Corrective Date
Comment				

Venting:

Yes/No	YES
Comment	Venting sound at wellhead. Since the flaring or venting occurred after flowback without approval, contact the COGCC Engineering department for next steps per Rule 912.b. Refer to the venting and flaring NTO for further details.

Flaring:

Type	Satisfactory/Action Required	
Comment:		
Corrective Action:		Correct Action Date:

Predrill

Location ID: 223244

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____

S/AR: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
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.	12/22/2014
OGLA	kubeczkd	Operator must ensure secondary containment for any volume of fluids contained at tank site during 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 (at least every 14 days and after precipitation events), and maintained in good condition. The access road will be maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water. Strategically apply fugitive dust control measures, including encouraging established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources. The location is in an area of moderate run-on/run-off potential; therefore 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 run-off.	12/22/2014

OGLA	kubeczkd	Notify the COGCC 48 hours prior to start of pad reconstruction/regarding, rig mobilization, spud, pipeline testing, start of hydraulic stimulation operations, and start of flowback operations (if different than hydraulic stimulation operations) using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).	12/22/2014
OGLA	kubeczkd	<p>A closed loop system must be implemented during drilling; or, if a drilling pit is constructed, an amended Form 2A must be submitted and a Form 15 submitted if operator plans on using either oil based muds or high chloride/TDS mud. The pit must be lined. All cuttings generated during drilling with oil based muds or high chloride/TDS mud must be kept in the lined drilling pit, or placed either in containers, lined trenches, or on a lined/bermed portion of the well pad; prior to disposition. The moisture content of any drill cuttings in a cuttings trench or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, if the drill cuttings are to be left onsite, they must also meet the applicable standards of table 910-1. All liners associated with oil based muds or high chloride/TDS mud cuttings must be disposed of offsite per CDPHE rules and regulations.</p> <p>The moisture content of water-based drilling mud drill cuttings managed onsite shall be kept as low as practicable to prevent accumulation of liquids greater than de minimis amounts.</p> <p>If the well(s) is(are) to be hydraulically stimulated, flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or storage vessel 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 constructed to be sufficiently impervious to contain any spilled or released material.</p> <p>Potential odors associated with the completions process and/or with long term production operations must be controlled/mitigated.</p>	12/22/2014

S/AR: _____ **Comment:** No stormwater BMPs observed. Rills transporting sediment onto location on all cut slope banks.

CA: Comply with permit COAs to prevent stormwater run-on. **Date:** 10/07/2016

Wildlife BMPs:

BMP Type	Comment
Wildlife	<p>CPW BMP 1 - Operator shall keep the road construction to a minimum and use existing roads to the extent possible, as requested by the surface owner.</p> <p>CPW BMP 2 - Operator shall conduct oil and gas construction, drilling and completions activities outside the time period from March 1 and June 30 (greater sage grouse production time).</p> <p>CPW BMP 3 - Operator shall conduct non-emergency post construction, drilling and completions activities between 9:00 AM and 3:00 PM between the period of March 1 and June 30 (greater sage grouse production time).</p> <p>CPW BMP 6 - Operator shall use hospital grade mufflers for compressors, pump jacks, or other motors necessary to run operations at the pad site. Mufflers will be pointed upwards to eliminate potential vibration to the ground.</p> <p>CPW BMP 7 – Operator shall consult with CPW and surface owner to evaluate seed mix reclamation options, CPW can assist the surface owner with developing a grass, forbs, and shrub wildlife friendly seed mix for reclamation.</p> <p>CPW BMP 8 - Operator shall establish and implement company guidelines to minimize wildlife mortality from vehicle collisions on roads: CPW recommended self enforcement of speed limits on private roads and limit speed to 25 MPH to minimize vehicle-wildlife collisions.</p> <p>CPW BMP 9 - Operator shall implement policies that prohibit employees and contractors from carrying or having firearms on site on in their vehicles.</p>

General Housekeeping	Sewage will be handled in self-contained, chemical-treated portable toilets and contents hauled off location to an authorized Colorado Department of Public Health and Environment (CDPHE) approved sanitary disposal facility in accordance with state and local regulations. • Garbage and other burnable waste will be contained in a portable trash cage that will be totally enclosed with small mesh wire. Cage and contents will be transported to and trash dumped at a CDPHE-approved Sanitary Landfill upon completion of operations.
Material Handling and Spill Prevention	Spill Prevention Control & Countermeasure 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.
Storm Water/Erosion Control	A CDPS permit has been filed with the Colorado Department of Public Health and Environment (CDPHE). Storm Water Management Plans (SWMP) is in place to comply with both CDPHE and Colorado Oil and Gas Conservation Commission Rules and Regulations. Best Management Practices (BMP) to be installed 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.

S/AR: _____ **Comment:** _____

CA: _____ **Date:** _____

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: 223244 Type: WELL API Number: 081-06608 Status: SI Insp. Status: SI

Idle Well

Purpose: Shut In Temporarily Abandoned Reminder: _____

S/A/V: _____ CA Date: _____

CA: _____

Comment: _____

Environmental

Spills/Releases:

Inspector Name: Waldron, Emily

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 : _____

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. Waste and Debris removed? _____
 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 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

Inspector Name: Waldron, Emily

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

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003 f. Weeds Noxious weeds? _____

Comment: No interim reclamation apparent.

Overall Interim Reclamation Pass Fail

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 Pass Fail 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: 10/07/2016

Comment: Rills coming onto location on 3 sides. Largest one is approximately 18" deep.

CA: Install or repair required BMPs per Rule 1002.f. Refer to the 1002.f guidance document for further details.

Pits: YES 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
673403596	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3945851