

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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FIELD INSPECTION FORM

Location Identifier	Facility ID 431414	Loc ID 430382	Inspector Name: QUINT, CRAIG	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____
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Inspection Date:
06/20/2013

Document Number:
668600946

Overall Inspection:
Satisfactory

Operator Information:

OGCC Operator Number: 10431 Name of Operator: CHAMA OIL & MINERALS LLC

Address: PO BOX 50203

City: MIDLAND State: TX Zip: 79710

Contact Information:

Contact Name	Phone	Email	Comment
Minyard, David	405-843-5566 off	dminyard@exsoc.com	405-650-1207 cell

Compliance Summary:

QtrQtr: SESE Sec: 16 Twp: 15s Range: 48w

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
03/26/2013	668600567	XX	XX	S	I		N

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
431414	WELL	PR	04/16/2013	LO	017-07727	PRONGHORN STATE 16-15-48 1-P	<input checked="" type="checkbox"/>

Equipment:

Location Inventory

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

Location

Lease Road:

Type	Satisfactory/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory	ELEVATED GRAVEL ROAD THROUGH PASTURE.		

Signs/Marker:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
TANK LABELS/PLACARDS	Unsatisfactory	NO VISIBLE TANK LABELING	Install sign to comply with rule 210.d.	09/20/2013

OTHER	Satisfactory	LEASE SIGN BY FIELD ENTRANCE		
BATTERY	Satisfactory	LEASE SIGN BY LOCATION ENTRANCE		

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

Comment: _____

Corrective Action: _____

Spills:

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

Fencing/:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
LOCATION	Satisfactory	LOCATION FENCED WITH WIRE.		

Equipment:

Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Vertical Separator	2	Satisfactory	1-IN TREATER SHED, 1-FOR FLARE		
Flare	1	Satisfactory	BURNING.		
Veritcal Heater Treater	1	Satisfactory			
Gas Meter Run	2	Satisfactory	2-GAS METERS IN TREATER SHED.		
Submersible Pump	1	Satisfactory			
Ancillary equipment	8	Unsatisfactory	GENERATOR, ELEC PANELS, CONTROL PANEL, 2-PROPANE TANKS, DIESEL TANK W/O CONTAINMENT, 2-CHEMICAL TANKS-1 WITH CONTAINMENT.	INSTALL CONTAINMENTS FOR DIESEL AND CHEMICAL TANKS.	09/20/2013
FWKO	1	Satisfactory			

Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	1	400 BBLS	STEEL AST	38.736500,-102.778170
S/U/V:	Satisfactory		Comment:	SHARED BERM
Corrective Action:				Corrective Date:
<u>Paint</u>				
Condition	Adequate			
Other (Content)	_____			
Other (Capacity)	_____			
Other (Type)	_____			
<u>Berms</u>				
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth				
Corrective Action				Corrective Date
Comment				
Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	3	500 BBLS	OTHER	38.736500,-102.778170
S/U/V:	Satisfactory		Comment:	FRAC TANKS
Corrective Action:				Corrective Date:
<u>Paint</u>				
Condition				
Other (Content)	_____			
Other (Capacity)	_____			
Other (Type)	_____			
<u>Berms</u>				
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Inadequate	Walls Sufficient	Base Sufficient	Inadequate
Corrective Action	IF FRAC TANKS ARE TO BE KEPT IN SERVICE BERMS MUST BE RAISED TO CONTAIN 500BBLS PLUS PRECIPITATION.			Corrective Date 09/20/2013
Comment				

Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____		
Contents	#	Capacity	Type	SE GPS	
CRUDE OIL	4	400 BBLS	STEEL AST	38.736500,-102.778170	
S/U/V:	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	Walls Sufficient	Base Sufficient	Adequate	
Corrective Action	_____			Corrective Date	_____
Comment	_____				
Venting:					
Yes/No	Comment				
NO	_____				
Flaring:					
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date	
Ignitor/Combustor	Satisfactory	LEED, NOT BURNING	_____	_____	

Predrill

Location ID: 430382

Site Preparation:

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

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

Form 2A COAs:

Group	User	Comment	Date
OGLA	allisonr	<p>2. Prior to drilling, operator shall sample the two (2) closest domestic water wells, springs, or surface water features within a one (1) mile radius of the proposed oil and gas location. Testing preference shall be given to domestic water wells and springs over surface water. Testing of surface water features shall only be conducted if two (2) water wells or springs do not exist within a one (1) mile radius of the selected oil and gas location. If possible, the water wells or springs selected should be on opposite sides of the oil and gas location not exceeding a one (1) mile radius. If water wells or springs on opposite sides of the oil and gas location cannot be identified, then the two (2) closest wells or springs within a one (1) mile radius of the oil and gas location shall be sampled. The sample location shall be surveyed in accordance with Rule 215.</p> <p>Water well testing shall include laboratory analysis of pH, total dissolved solids (TDS), specific conductivity (SC), sodium adsorption ratio (SAR) calculation, total recoverable metals (calcium [Ca], potassium [K], magnesium [Mg], sodium [Na], arsenic [As], boron [B], barium [Ba], cadmium [Cd], chromium [Cr], copper [Cu], iron [Fe], manganese [Mn], lead [Pb], selenium [Se]), cations and anions (bromide [Br], chloride [Cl], fluoride [F], sulfate [SO4]), alkalinity (total, HCO3, and CO3 – all expressed as CaCO3), benzene, toluene, ethyl benzene, o-xylene, m- + p-xylene (BTEX), dissolved methane, diesel range organics (DRO), gasoline range organics (GRO), and nutrients (nitrates, nitrites). Sampling shall be performed by qualified individuals using commonly accepted environmental sampling procedures. Field observations such as pH, temperature, specific conductance, odor, water color, sediment, bubbles, and effervescence shall also be included.</p> <p>Post-completion tests shall be performed for the same analytical parameters listed above and repeated one (1), three (3) and six (6) years thereafter. If no significant changes from the baseline have been identified after the third test (i.e. the six-year test), no further testing shall be required. Additional test(s) may be required if changes in water quality are identified during follow-up testing. The Director may require further water well sampling at any time in response to complaints from water well owners.</p> <p>If free gas or a dissolved methane concentration level greater than one (1) milligrams per liter (mg/l) is detected in a water well, gas compositional analysis and stable isotope analysis of the methane (carbon and deuterium) shall be performed to determine gas type (biogenic or thermogenic). If the methane concentration increases by more than five (5) mg/l between sampling periods, or increases to more than ten (10) mg/l, the operator shall notify the Director and the owner of the water well immediately. If thermogenic methane concentrations increase between sampling periods, the operator shall submit to the Director an action plan to determine the source of the increase.</p> <p>Copies of all test results described above shall be provided to the Director and the landowner where the water quality testing well is located within three (3) months of collecting the samples used for the test. The analytical data and surveyed sample locations shall also be submitted to the Director in an electronic data deliverable format approved by Director.</p>	09/19/2012
OGLA	allisonr	<p>1. Location is in a sensitive area because of shallow groundwater; therefore, either a lined drilling pit or closed loop system is required. A drilling pit used for disposal of cuttings from the closed loop system does not require lining. The contents of any drilling pit shall meet Table 910-1 Standards prior to closure.</p>	09/19/2012

Comment:

CA: **Date:**

Wildlife BMPs:

Comment:

CA: **Date:**

Stormwater:

Erosion BMPs	Present	Other BMPs	Present

Corrective Action: _____ Date: _____

Comments: Erosion BMPs: _____
 Other BMPs: _____

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: 431414 Type: WELL API Number: 017-07727 Status: PR Insp. Status: PR

Producing Well

Comment: PRODUCING

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 ? Pass

1003c. Compacted areas have been cross ripped? _____

1003d. 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? _____

Production areas have been stabilized? Pass Segregated soils have been replaced? _____

RESTORATION AND REVEGETATION

Cropland

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

Non-Cropland

Top soil replaced _____ Recontoured Pass 80% Revegetation _____

1003 f. Weeds Noxious weeds? _____ P _____

Comment: UNUSED AREAS OUTSIDE OF FENCE ARE PASTURE. TOP SOIL IS ON THE SOUTH AND EAST SIDES OF THE LOCATION COVERED WITH MANURE TO CONTROL EROSION.

Overall Interim Reclamation Pass

Final Reclamation/ Abandoned Location:

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

Final Land Use: RANGELAND

Reminder: _____

Comment: _____

Inspector Name: QUINT, CRAIG

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 Multi-Well Location

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Waddles	Pass	Ditches	Pass			
Gravel	Pass	Gravel	Pass	MHSP	Fail	
Other	Pass					

S/U/V: **Unsatisfactory** Corrective Date: **09/20/2013**
Comment: **CHEMICAL AND DIESEL TANKS WITHOUT BMP'S. TOP SOIL COVERED WITH MANURE TO CONTROL EROSION.**
CA: **INSTALL BMP'S.**