

State of Colorado
Oil and Gas Conservation Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109

SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

RECEIVED
1/24/2013

1. OGCC Operator Number: 96850	4. Contact Name Karolina Blaney	Complete the Attachment Checklist OP OGCC
2. Name of Operator: WPX Energy Rocky Mountain, LLC	Phone: 970-683-2295	
3. Address: City: 1058 County Road 215 State: CO Zip: 81635	Fax:	
5. API Number 05-045-07466	OGCC Facility ID Number 422335	Survey Plat
6. Well/Facility Name: Clough RMV 216-21	7. Well/Facility Number	Directional Survey
8. Location (Qtr/Tr, Sec, Twp, Rng, Meridian): SENW S21 T6S, R94W, 6 PM		Surface Eqpm Diagram
9. County: Garfield	10. Field Name: Rulison	Technical Info Page
11. Federal, Indian or State Lease Number:		Other

General Notice

CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

Change of Surface Footage from Exterior Section Lines: FNL/FSL FEL/FWL

Change of Surface Footage to Exterior Section Lines:

Change of Bottomhole Footage from Exterior Section Lines:

Change of Bottomhole Footage to Exterior Section Lines: attach directional survey

Bottomhole location Qtr/Tr, Sec, Twp, Rng, Mer

Latitude _____ Distance to nearest property line _____ Distance to nearest bldg, public rd, utility or RR _____

Longitude _____ Distance to nearest lease line _____ Is location in a High Density Area (rule 603b)? Yes/No _____

Ground Elevation _____ Distance to nearest well same formation _____ Surface owner consultation date: _____

GPS DATA:
Date of Measurement _____ PDOP Reading _____ Instrument Operator's Name _____

CHANGE SPACING UNIT
Formation _____ Formation Code _____ Spacing order number _____ Unit Acreage _____ Unit configuration _____

Remove from surface bond
Signed surface use agreement attached

CHANGE OF OPERATOR (prior to drilling):
Effective Date: _____
Plugging Bond: Blanket Individual

CHANGE WELL NAME NUMBER
From: _____
To: _____
Effective Date: _____

ABANDONED LOCATION:
Was location ever built? Yes No
Is site ready for inspection? Yes No
Date Ready for Inspection: _____

NOTICE OF CONTINUED SHUT IN STATUS
Date well shut in or temporarily abandoned: _____
Has Production Equipment been removed from site? Yes No
MIT required if shut in longer than two years. Date of last MIT _____

SPUD DATE: _____ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)

SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK *submit cbl and cement job summaries
Method used _____ Cementing tool setting/perf depth _____ Cement volume _____ Cement top _____ Cement bottom _____ Date _____

RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.
Final reclamation will commence on approximately _____ Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

Notice of Intent
Approximate Start Date: February 4, 2013

Report of Work Done
Date Work Completed: _____

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input checked="" type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other: _____	

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Karolina Blaney Date: 1/24/2013 Email: karolina.blaney@wpxenergy.com
Print Name: Karolina Blaney Title: Environmental Specialist

OGCC Approved: [Signature] Title: Environmental Supervisor Date: January 25, 2013

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: _____	API Number: _____
2. Name of Operator: _____	OGCC Facility ID # _____
3. Well/Facility Name: _____	Well/Facility Number: _____
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): _____	

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

**Work Plan
Subsurface Investigation
Clough RMV 216-21
Garfield County, Colorado
Olsson Project No. 013-0180**

Introduction

Olsson Associates, Inc. (Olsson) is pleased to provide this work plan to perform a subsurface investigation at former work over/skim pit associated with well Clough RMV 216-21 (site - API No. 05 045 07466) owned by WPX Energy Rocky Mountain, LLC (WPX), in Garfield County, Colorado. The site is located at in the southeast quarter of the northwest quarter of Section 21, Township 6 south, Range 94 west (39.513867 latitude and -107.894175 longitude).

Prior Site Investigations

According to the Colorado Oil and Gas Conservation Commission (COGCC) database documentation, the pit was taken out of service and closed in October 2008 by removing the pit liquids for offsite disposal, followed by partially mixing the pit solids to 14 feet deep with clean stockpiled soil. To date 20 site characterization test holes and six groundwater monitoring wells have been advanced at the site (Figure 1). The monitoring wells have been periodically sampled by Olsson and others. Depth to groundwater has been observed during previous site investigations at 80 feet to 90 feet below ground surface (ft-bgs).

Proposed Scope of Work Summary

The intent of this investigation is to further characterize the petroleum-impacted soil identified during previous investigations. Soil samples will be collected for laboratory analysis and dry wells will be installed. The analytical results will be compared to those collected during previous site investigations to determine if the observed petroleum impact is naturally attenuating.

Six borings will be advanced with a drill rig at selected locations to assess petroleum-impacted soil near former test hole locations BH01, BH02, BH03, and BH5. Attached Figure 1 depicts the proposed boring locations. The new borehole locations will be identified as BH22 through BH27. Soil drill cuttings will be stored onsite in a dirt containment for management by WPX. Olsson will prepare a report summarizing our field activities and laboratory analyses. Olsson will contact the Utility Notification Center of Colorado (UNCC) for marking of underground public utilities at the above referenced site. WPX will identify on-site privately-owned utilities to Olsson prior to commencing intrusive activities. A health and safety plan will be prepared to perform this investigation services under Level D personal protection consisting of flame-resistant clothing, hard hat, safety glasses, protective gloves, and steel-toed boots.

Soil Sampling

Due to anticipated rocky subsurface conditions, a truck-mounted drill rig equipped with ODEX[®] down-hole hammer and casing advance capabilities will be used to advance the borings. The two proposed borings located near previous test holes BH01 and BH02 (Figure 1) will be advanced to approximately 60 ft-bgs. The four proposed boring located near prior test holes BH03 and BH05 will be advanced to approximately 30 ft-bgs. Subsurface conditions permitting, soil samples will be collected at 5-foot intervals using a split-spoon sampler. Olsson's geologist will document site lithology, examine the soils for evidence of potential environmental impact (e.g., petroleum staining and odor), and field screen the soil samples using a photo-ionization detector (PID) for the presence of volatile organic vapors as the borings are advanced. Soil samples exhibiting the highest PID screening measurement and/or indications of petroleum impact will be submitted for laboratory analysis. In addition, a soil sample from the base of each boring will be collected for laboratory analysis.

Dry Well Completion

Upon reaching total boring depth, a dry well will be constructed in each boring to accommodate potential future remediation efforts (e.g. injection of chemical oxidizing agents for remediation of residual hydrocarbon impacted soil or bioventing). The wells will be constructed of 2-inch polyvinyl chloride (PVC) pipe and well screen, a graded sand pack, a hydrate bentonite seal (extending to the surface), and a lockable above-ground well protector. For the two proposed borings near previous test holes BH01 and BH02, the dry wells will be constructed using up to 40 feet of well screen. For the four proposed borings near previous test holes BH03 and BH05, the dry wells will be constructed using 20 feet of well screen. Horizontal coordinates of the newly installed dry well will be surveyed using a global positioning system (GPS) capable sub-meter resolution.

Soil Sample Analyses

Similar to previous investigations, soil samples collected for laboratory analysis using the synthetic precipitation leaching procedure (SPLP) for benzene, toluene, ethylbenzene, and total xylenes (BTEX), petroleum hydrocarbon (TPH) - gasoline range (GRO) using EPA Method 8260B, total extractable petroleum hydrocarbons (TEPH-EPA Method 8015) in the diesel fuel range (DRO), and total polynuclear aromatic hydrocarbons (PAH) using EPA Method 8270 - selected ion monitoring (SIM) method. For comparison purposes, one soil sample from each boring exhibiting the highest TPH concentration will be analyzed for BTEX, GRO, DRO, and PAHs-SIM using non-SPLP (total concentrations) analytical methods. Additionally, the soil samples will be analyzed for heterotrophic plate count (HPC) to evaluate indigenous bacteria activity and basic soil nutrient parameters (alkalinity, ammonical nitrogen, nitrate, and orthophosphate).

Report Preparation

A summary report will be submitted that present the results of this investigation based upon the scope of work and limitations described herein.

Schedule

Services will be initiated upon receiving a written notice to proceed. Initiating field activities will be dependent on subcontractor availability. Olsson estimates the field activities can be completed in four to five days, weather permitting.

Please call me if you have any questions call at (303) 374-3135.

Sincerely,
Olsson Associates, Inc.

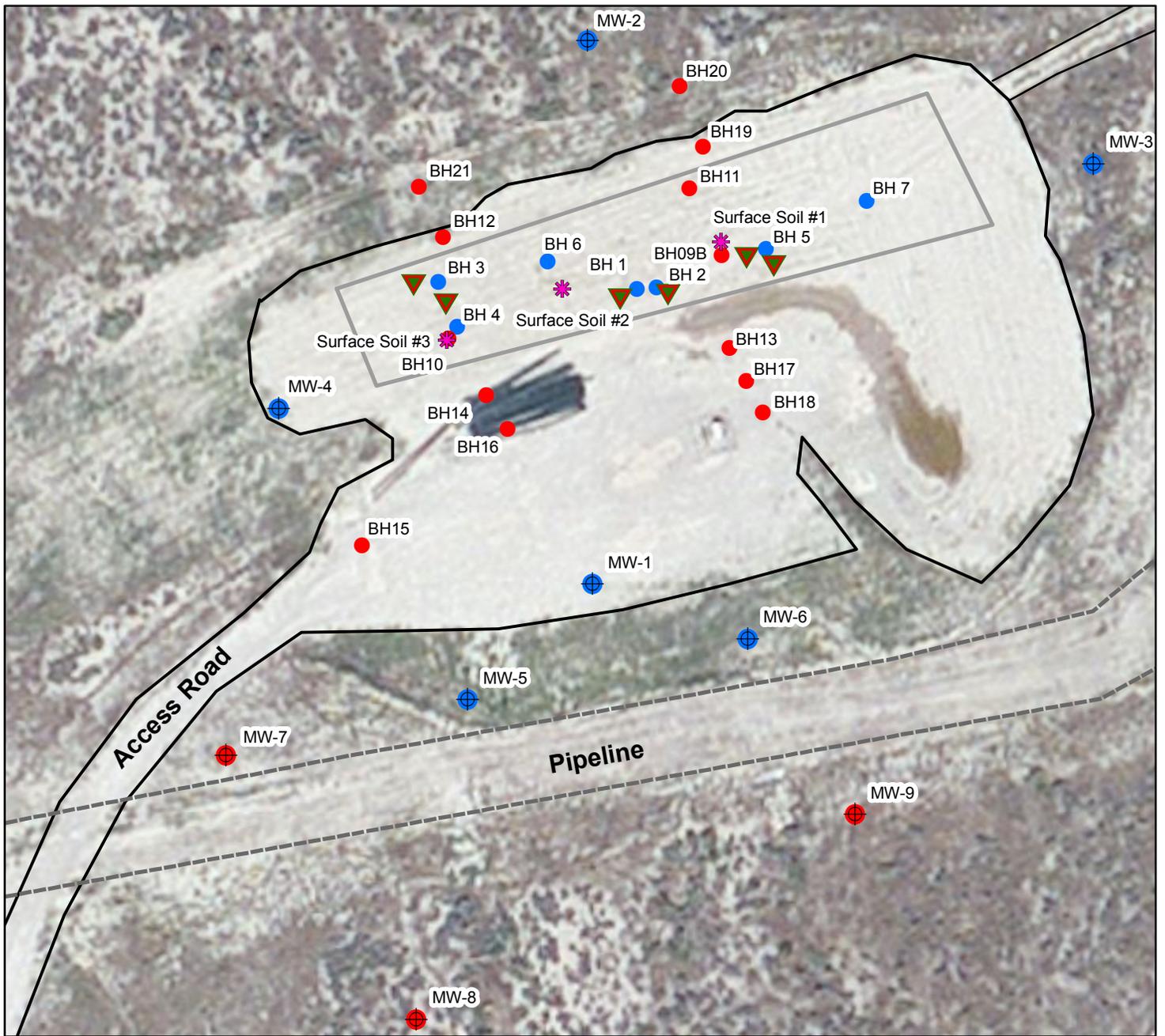


Kevin J. Taylor, P.G.
Senior Project Geologist



Tim Dobransky
Senior Project Scientist

Attachments: Figure 1 – Site Map



	Previous Soil Boring	
	Proposed Boring Location	
	May 2012 Monitoring Well	
	May 2012 Soil Boring	
	Previous Monitoring Well	
	May 2012 Surface Soil	



PROJECT: 013-0180

DRAWN BY: HD

DATE: January 22, 2013

Soil Boring and Monitoring Well Locations
 RMV 216-21
 WXP Energy



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 P.O. Box 84608
 Lincoln, NE 68501-4608

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 FAX 402.474.5160
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FIGURE

1