

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 301, Denver, Colorado 80203 (303)894-2100 Fax: (303)894-2109



FOR OGCC USE ONLY

EARTHEN PIT REPORT/PERMIT

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days, is required for pits. Submit required attachments and forms.

Complete the Attachment Checklist

Oper OGCC

FORM SUBMITTED FOR:

☐ Pit Report ☒ Pit Permit

Detailed Site Plan	x	
Topo Map w/ Pit Location	x	
Water Analysis (Form 25)	N/A	
Source Wells (Form 26)	N/A	
Pit Design/Plan & Cross Sec	x	
Design Calculations	x	
Sensitive Area Determ.	y	
Mud Program	N/A	
Form 2A	x	

OGCC Operator Number: 96850

Name of Operator: Williams Production RMT

Address: 1058 County Rd 215

City: Parachute State: CO Zip: 81635

Contact Name and Telephone:

Karolina Blaney

No: 970 683-2295

Fax: (970) 285-9573

API Number (of associated well): 045-06920

OGCC Facility ID (of other associated facility): 323908

Pit Location (Qtr Qtr, Sec, Twp, Rng, Meridian): NWNE, S 35, T 6S, R 94W, M 6th

Latitude: 39.487265 Longitude: 107.853261 County: Garfield

Pit Use: ☐ Production ☐ Drilling (Attach mud program) ☒ Special Purpose (Describe Use): Flare PitPit Type: ☐ Lined ☒ Unlined Surface Discharge Permit: ☐ Yes ☒ NoOffsite disposal of pit contents: ☐ Injection ☐ Commercial Pit/Facility Name: RMV 22-35 Pit/Facility No:

Attach Form 26 to identify Source Wells and Form 25 to provide Produced Water Analysis results.

Existing Site Conditions

Is the location in a "Sensitive Area?" ☐ Yes ☒ No Attach data used for determination.

Distance (in feet) to nearest surface water: 287 ground water: 80 water wells: 1929

LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:

Crop Land: ☐ Irrigated ☐ Dry Land ☐ Improved Pasture ☐ Hay Meadow ☐ CRPNon-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe):Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

SOILS (or attach copy of Form 2A if previously submitted for associated well)

Soil map units from USNRCS survey: Sheet No: NA Soil Complex/Series No: 46

Soils Series Name: Nihil Channery Loam Horizon thickness (in inches): A: 0-11 ; B: 11-18 ; C: 18-60

Soils Series Name: Horizon thickness (in inches): A: ; B: ; C:

Attach detailed site plan and topo map with pit location.

Pit Design and Construction

Size of pit (feet): Length: 10 Width: 10 Depth: 5

Calculated pit volume (bbls): 50 Daily inflow rate (bbls/day): N/A

Daily disposal rates (attach calculations): Evaporation: N/A bbls/day Percolation: N/A bbls/day

Type of liner material: N/A Thickness: NA

Attach description of proposed design and construction (include sketches and calculations).

Method of treatment of produced water prior to discharge into pit (separator, heater treater, other): N/A

Is pit fenced? ☐ Yes ☒ No Is pit netted? ☐ Yes ☒ No

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

Print Name: Karolina Blaney

Signed: Karolina Blaney

Title: Environmental Specialist

Date: 8/12/09

OGCC Approved:

Title: Env. Sup

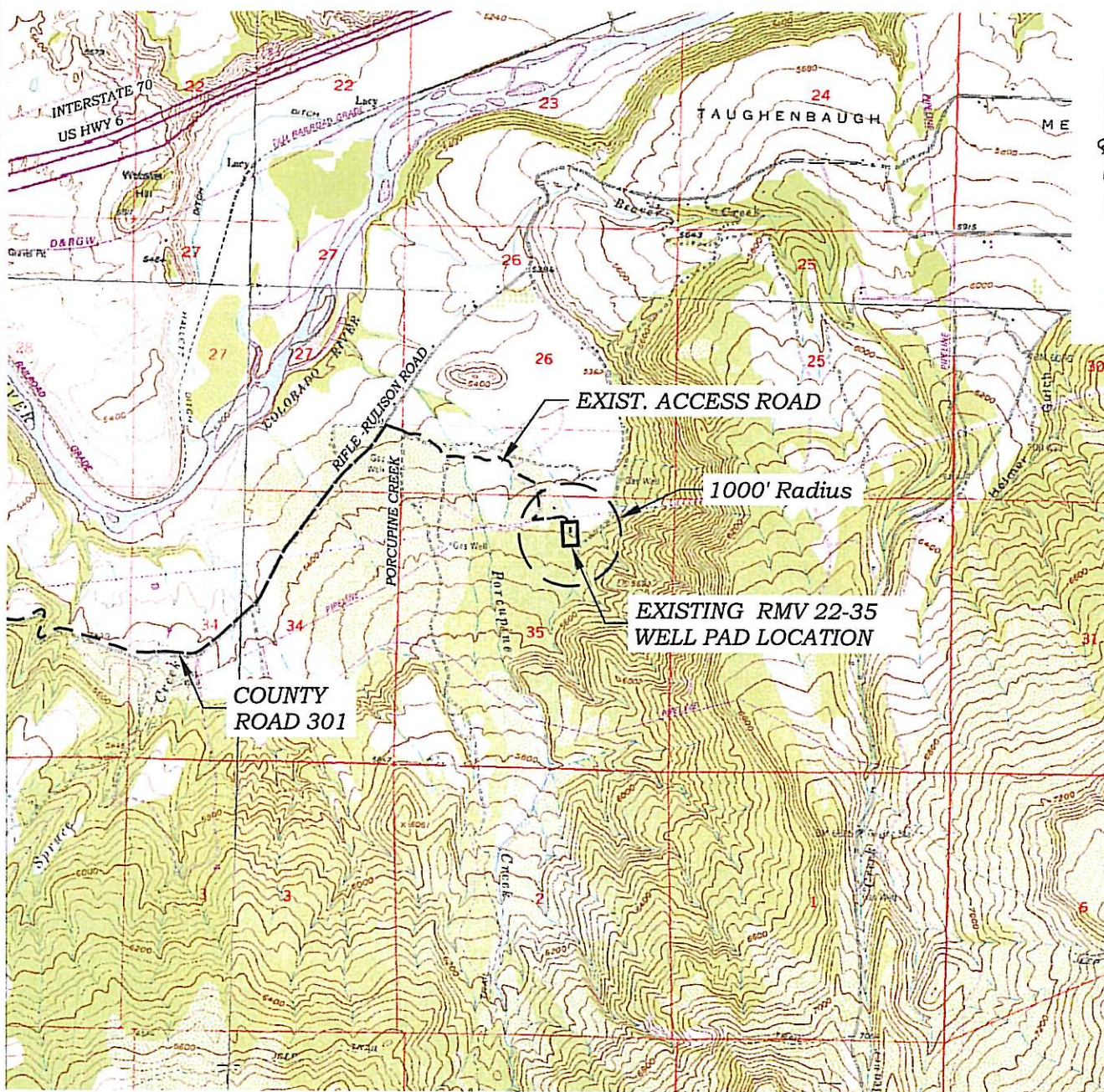
Date: 4/16/11

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 422631

Flare pit closed, now used.

Topo Map with Pit Location



NOTE:
No Surface Waters or Riparian
Areas Within 1000 feet.

ACCESS DESCRIPTION:

FROM THE INTERSECTION OF STATE HIGHWAY 6 AND COUNTY ROAD 323 (RULISON ROAD) NORTH OF RULISON, PROCEED SOUTHERLY ALONG COUNTY ROAD 323 (RULISON ROAD) ± 1.1 MILES TO THE INTERSECTION WITH COUNTY ROAD 309 (RULISON PARACHUTE ROAD), PROCEED LEFT IN AN EASTERLY DIRECTION ± 2.3 MILES TO THE INTERSECTION WITH COUNTY ROAD 320 (RIFLE RULISON ROAD), PROCEED RIGHT IN AN EASTERLY DIRECTION ± 2.4 MILES TO THE INTERSECTION WITH COUNTY ROAD 321 (PORCUPINE CREEK), PROCEED RIGHT IN AN EASTERLY TO SOUTHERLY DIRECTION ± 400 feet TO AN INTERSECTION WITH A DIRT/GRAVEL ROAD, PROCEED LEFT IN AN EASTERLY TO SOUTHERLY DIRECTION ± 0.9 MILES TO THE EXISTING RMV 22-35 DRILL PAD LOCATION, AS SHOWN HEREON.

REVISED: 5/15/09

SCALE: 1" = 3000'
DATE: 4/7/09
SHEET: 5 of 9
PROJECT: Williams
DFT: CWS

Construction Plan Prepared for:

Williams Williams Production, RMT

RMV 22-35 Drill Pad - Sheet 5
ACCESS & VICINITY MAP

135 East Third Street
Rifle, Colorado 81650
Ph. (970) 625-1330
Fax (970) 625-2773

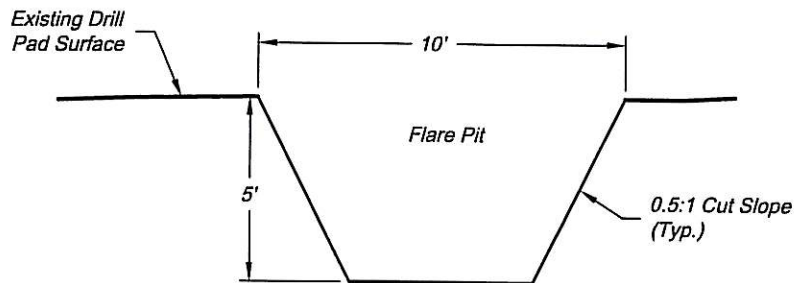
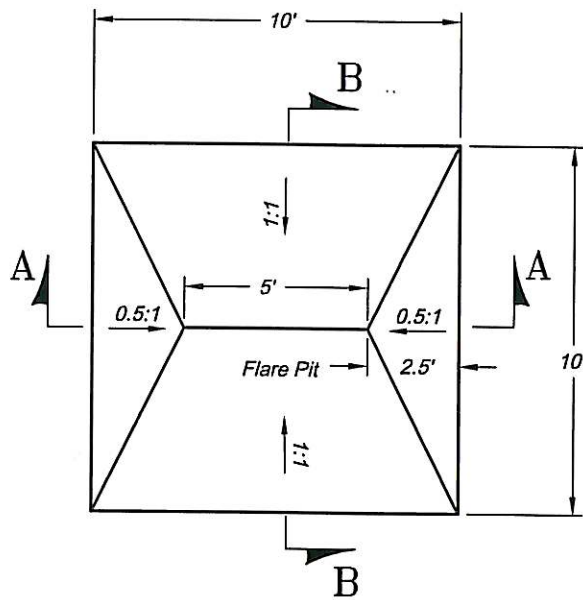


BOOKCLIFF
Survey Services, Inc.

Detailed Site Plan

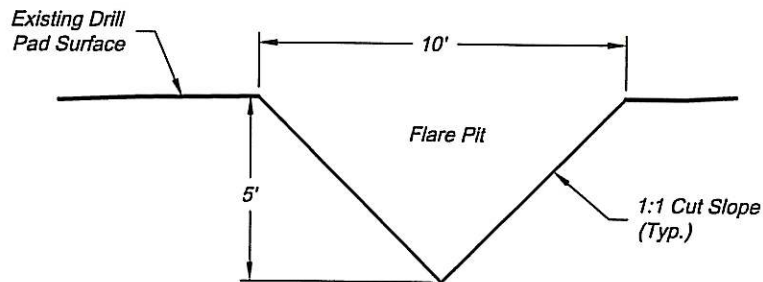
Pit Design/Plan and Cross Section

Design Calculations



Section A

Scale: 1" = 5'



Section B

Scale: 1" = 5'

Total Volume ~ 50bbls

Revised date: 8/11/09

Construction Plan Prepared for:

Williams. Williams Production, RMT

136 East Third Street
Rifle, Colorado 81650
Ph. (970) 625-1330
Fax (970) 625-2773



BOOKCLIFF
Survey Services, Inc.

SCALE: 1" = 5'
DATE: 5/15/09
SHEET: 1 of 1
PROJECT: Williams
DFT: cws

10' x 10' FLARE PIT
WILLIAMS STANDARD DETAIL

Sensitive Area Determination

Sensitive Area Determination Checklist

Williams Production RMT Company – Valley		
Person(s) conducting inspection	Mark E. Mumby Ashley Lane	Date: 8/5,11/2009
Site Information		
Location:	RMV 22-35 well pad	Time: 09:30
Site Activity:	None-Existing well pad	
Personnel on-site:	None	
Environmental Conditions	Clear, mild, dry conditions	
Temperature (°F)	~67	

1. Will the pit of the proposed facility contain hydrocarbons and chlorides or other E&P wastes?
☒ Yes ☐ No (*If no, this form does not need to be completed.*)
 If yes, list pit type(s): Flare Pit

SURFACE WATER

1. Are there any surface water features or SWSAs adjacent to or within the ¼ mile buffer zone?
☒ Yes ☐ No (*If no, move to Groundwater section of this checklist.*)
 If yes, list type of surface water feature(s), i.e. seeps, springs, wetlands:
There is one unnamed intermittent drainage that has flowing irrigation water diverted from Porcupine Creek.

 If yes, describe location relative to facility:
East and southeast of the existing and planned facility

2. Could a potential release from the proposed facility reach surface water features?
☒ Yes ☐ No (*If no, move to Groundwater section of this checklist.*)
 If yes, describe the pathway release from facility will likely follow to determine if the potential to impact surface water is high or low.
A release from the facility could impact surface water during periods of high flow in the intermittent drainage east of the facility. Based on visual observations, water will breach the bank of the and flow down another unnamed drainage feature which would be right adjacent to the east side of the existing and planned facility. However, the potential could be eliminated by diverting excess water, during periods of high flow, into an existing

field east of the facility or modifying the bank of the unnamed intermittent drainage to prevent water from overflowing the bank .

3. Is the potential to impact surface water from a facility release high or low?
☐ High ☒ Low- if the steps outlined in line item 2 are addressed

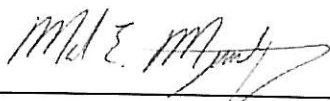
GROUNDWATER

1. Is the site of the proposed facility underlain by an unconfined aquifer?
☒ Yes ☐ No (*If no, this section does not need to be completed.*)
2. Is the hydraulic conductivity of the underlying soil or bedrock $\geq 1.0 \times 10^{-7}$ cm/sec?
☐ Yes (*If yes, this section does not need to be completed.*) ☒ No
3. Is the proposed facility located within 1/8 mile of a domestic water well or 1/4 mile of a public water supply well?
☐ Yes ☒ No (*If no, this section does not need to be completed.*)
4. Is the proposed facility located within a 100 year floodplain?
☐ Yes (*Sensitive Area*) ☐ No (*If no, proceed to question #5.*)
5. Is the depth to groundwater known?
☐ Yes ☐ No (*If no, follow instructions provided in 5(b) of this section.*)
 - (a) If yes, could a potential release from the proposed facility reach groundwater?
☐ Yes ☐ No (*If no, this section does not need to be completed.*)
 If yes, model the hydro geologic conditions to determine if the potential to impact groundwater is high or low.
 - (b) If no:
 - (i) Drill a soil boring to determine depth to groundwater.
 - (ii) Evaluate subsurface data to determine if confining layers exist.
 - (iii) Model hydro geologic conditions to determine if the potential to impact groundwater is high or low.
6. Is the potential to impact ground water from a facility release high or low?
☐ High ☐ Low

Additional Comments:

If the issues addressed in line item 2 of the surface water section can be implemented the planned facility can be listed as non-sensitive.

Inspector(s) Signature(s):



Date: 8/11/2009



Date: 8/5,11/2009

Copy of Form 2A

State of Colorado
Oil and Gas Conservation Commission

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Oil and Gas Location Assessment

☒ New Location ☒ Amend Existing Location Location #: 323908

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a stand alone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

☒ This location assessment is included as part of a permit application.

1. Consultation

☐ This location is included in a Comprehensive Drilling Plan. CDP # _____☒ This location is in a sensitive wildlife habitat area.☐ This location is in a wildlife restricted surface occupancy area.☐ This location includes a Rule 306.d.(1)A.ii. variance request.

2. Operator

Operator Number: 96850 Suffix: _____
Name: Williams Production RMT Company
Address: 1515 Arapahoe St., Tower 3, #1000
City: Denver State: CO Zip: 80202

3. Contact Information

Name: Greg Davis
Phone: 303-605-4071
Fax: 303-629-8272
email: Greg.J.Davis@Williams.com

For COGCC Use Only

Deemed Complete: _____

Complete the Attachment Checklist

Attachment	Op	COGCC
Location Pictures	<input checked="" type="checkbox"/>	
Location Drawing	<input checked="" type="checkbox"/>	
Hydrology Map	<input checked="" type="checkbox"/>	
Access Road Map	<input checked="" type="checkbox"/>	
Reference Area Map	<input checked="" type="checkbox"/>	
Reference Area Pictures	<input checked="" type="checkbox"/>	
NRCS Map Unit Desc	<input checked="" type="checkbox"/>	
Const. Layout Drawings	<input checked="" type="checkbox"/>	
Multi-well Plan	<input checked="" type="checkbox"/>	
Proposed BMPs	<input checked="" type="checkbox"/>	
Sensitive Area Data	<input type="checkbox"/>	
Section 404 Permit	<input type="checkbox"/>	
CDP Conditions	<input type="checkbox"/>	
317B Notification	<input type="checkbox"/>	

4. Location Identification:

Name: Juhan Number: RMV 22-35
County: Garfield
Quarter/Quarter: NWNE Section: 35 Township: 6S Range: 94W Meridian: 6th Ground Elevation: 5442.1'
Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.
Footage at surface: 687 feet, from North or South section line: N and 2061 feet, from East or West section line: E
Latitude: 39.487265 Longitude: 107.853261 PDOP Reading: <6.0 Date of Measurement: 4/23/08
Instrument operator's name: J. Kirkpatrick

5. Facilities (Indicate the number of each type of oil and gas facility planned on location)

Wells	16	Drilling Pits		Special Purpose Pits		Production Pits		Multi-Well Pits		Oil Tanks	
Condensate Tanks	0	Water Tanks	1	Separators	16	LACT Unit		Dehydrator Units		Gas Compressors	
Pump Jacks		Cavity Pumps		Electric Motors		Gas or Diesel Motors	3	Electric Generators	3	Fuel Tanks	1
Pigging Station		Gas Pipeline	1	Oil Pipeline		Water Pipeline	1	Flare		VOC Combustor	0
Other: _____ Cuttings Trench											

6. Construction

Date planned to commence construction: 8/1/10 Size of disturbed area during construction in acres: 4.59 Is H2S Anticipated: Yes ☐
Estimated date that interim reclamation will begin: 5/1/2011 Size of location after interim reclamation in acres: 1.25
Estimated post-construction ground elevation: 5442.1' Will a closed loop system be used for drilling fluids: Yes ☒
Will salt sections be encountered during drilling: Yes ☐ No ☒ Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒
Mud disposal: Offsite ☐ Onsite ☒ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☐ Other ☒ Closed System/Re-use

7. Surface Owner

Name: Joan L. Savage Phone: _____
Address: 5953 County Road 320 Fax: _____
Address: _____ email: _____
City: Rifle State: CO Zip: 81650 Date of Rule 306 surface owner consultation: 8/20/07
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
Mineral Owner: ☒ Fee ☐ State ☒ Federal ☐ Indian
The surface owner is: ☒ the mineral owner ☒ committed to an oil and gas lease ☐ is the executor of the oil and gas lease. ☐ the applicant
The right to construct the location is granted by: ☐ oil and gas lease ☒ Surface Use Agreement ☐ Right of Way ☐ applicant is owner
Surface damage assurance if no agreement is in place: ☐ \$2,000 ☐ \$5,000 ☐ Blanket Surety Id: _____

8. Reclamation Financial Assurance

☒ Well Surety Id: 20030107 ☒ Gas Facility Surety Id: 20050021 ☒ Waste Management Surety Id: 20060085

9. Cultural

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 3640' , public road: 2300' , above ground utility: 260' , railroad: 8976' , property line: 554'

Continue on Page Two

State of Colorado

Oil and Gas Conservation Commission

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Oil and Gas Location Assessment Page 2

10. Current Land Use (Check all that apply)

Crop Land:	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Dry land	<input type="checkbox"/> Improved Pasture	<input type="checkbox"/> Hay Meadow	<input type="checkbox"/> CRP
Non-Crop Land:	<input checked="" type="checkbox"/> Rangeland	<input type="checkbox"/> Timber	<input type="checkbox"/> Recreational	<input type="checkbox"/> Other (describe):	
Subdivided:	<input type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> Residential		

11. Future Land Use (Check all that apply)

Crop Land:	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Dry land	<input type="checkbox"/> Improved Pasture	<input type="checkbox"/> Hay Meadow	<input type="checkbox"/> CRP
Non-Crop Land:	<input checked="" type="checkbox"/> Rangeland	<input type="checkbox"/> Timber	<input type="checkbox"/> Recreational	<input type="checkbox"/> Other (describe):	
Subdivided:	<input type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> Residential		

12. Soils

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 46 - Nihill Channery Loam 1 to 6%

NRCS Map Unit Name:

NRCS Map Unit Name:

13. Plant Community

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒Plant species from: ☐ NRCS or, ☒ field observation Date of observation: 4/23/08

List individual species: Cheatgrass, Sagebrush, Juniper

Check all plant communities that exist in the disturbed area.

- ☒ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
☐ Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
☒ Shrub Land (Mahogany, Oak, Sage Serviceberry, Chokecherry)
☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)
☒ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
☐ Alpine (above timberline)
☐ Other (describe):

14. Water Resources

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 287' , water well: 1929' , depth to ground water: 80'

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed: ☒ No ☐ Yes If yes attach permit.Is the location within a Rule 317B Surface Water Supply Area buffer zone: ☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zoneIf the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☒ No ☐ Yes

15. Comments

Pad is located on Fee Surface/Fee Minerals. Several of the wells on this pad will be drilled from Fee Surface into Federal Minerals.

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

Signed: Greg Davis
Print Name: Greg DavisDate: 6/18/09 Email: Greg.J.Davis@Williams.com
Title: Supervisor Permits

COGCC Approved:

Title:

Date:

CONDITIONS OF APPROVAL will be attached.

Location Number: