



APD ID: 10400008462

Operator Name: BC OPERATING INCORPORATED

Well Name: CAVE LION 5 FEDERAL WC

Well Type: OIL WELL

Submission Date: 01/27/2017

30-025-44102

Well Number: 5H

Well Work Type: Drill

Highlighted data
reflects the most
recent changes

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Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

CAVE_LION_5_FEDERAL_WC__5H_Revised_05-15-2017.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

OCD - HOBBS
10/06/2017
RECEIVED

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

CAVE_LION_5_FEDERAL_WC__5H_Revised_05-15-2017.pdf

New road type: RESOURCE

Length: 84

Feet

Width (ft.): 25

Max slope (%): 2

Max grade (%): 2

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: SEE SURFACE USE PLAN

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

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Access surfacing type: OTHER

Access topsoil source: OFFSITE

Access surfacing type description: CALICHE

Access onsite topsoil source depth:

Offsite topsoil source description: NATIVE CALICHE

Onsite topsoil removal process:

Access other construction information:

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: CULVERT

Drainage Control comments: SEE SURFACE USE PLAN

Road Drainage Control Structures (DCS) description: SEE SURFACE USE PLAN

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Cave Lion 5 Federal WC 5H_Mile Radius Map_01-25-2017.pdf

Existing Wells description:

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Estimated Production Facilities description:

Production Facilities description:

Production Facilities map:

Cave_Lion_5_Federal_1H____5H_Battery_Diagram_05-15-2017.pdf

Cave_Lion_5_Federal_WC_5H__Battery_Diagram_07-06-2017.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Operator Name: BC OPERATING INCORPORATED

Well Name: CAVE LION 5 FEDERAL WC

Well Number: 5H

Water source use type: CAMP USE

Water source type: GW WELL

Describe type:

Source latitude:

Source longitude:

Source datum: NAD83

Water source permit type: WATER WELL

Source land ownership: PRIVATE

Water source transport method: TRUCKING

Source transportation land ownership: FEDERAL

Water source volume (barrels): 5000

Source volume (acre-feet): 0.6444655

Source volume (gal): 210000

Water source and transportation map:

Cave Lion 5 Federal WC 5H_Water Source Map_01-27-2017.pdf

Cave_Lion_5_Federal_1H___5H_2nd_Water_and_Caliche_Location_04-27-2017.pdf

Water source comments:

New water well? NO

New Water Well Info

Well latitude:

Well Longitude:

Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft):

Est thickness of aquifer:

Aquifer comments:

Aquifer documentation:

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method:

Drill material:

Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

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Section 6 - Construction Materials

Construction Materials description: CALICHE

Construction Materials source location attachment:

Cave_Lion_5_Federal_1H___5H_2nd_Water_and_Caliche_Location_04-27-2017.pdf

Cave_Lion_5_Federal_WC_5H_2nd_Construction_Material_Source_05-15-2017.pdf

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: DRILLING MUD WASTE

Amount of waste: 2000 barrels

Waste disposal frequency : Daily

Safe containment description: CONTAINMENT BARRIERS AROUND ALL PITS

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

Disposal type description:

Disposal location description: R360 HALFWAY LOCATION. HWY 62/180

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? NO

Description of cuttings location

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

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Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

Cave Lion 5 Federal WC 5H_Rig Diagram_01-27-2017.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

Cave_Lion_5_Federal_BC_5H_Surface_Use_Plan_05-15-2017.pdf

Drainage/Erosion control construction: SURFACE USE PLAN

Drainage/Erosion control reclamation: SURFACE USE PLAN

Wellpad long term disturbance (acres): 2.12

Wellpad short term disturbance (acres): 2.97

Access road long term disturbance (acres): 0.045

Access road short term disturbance (acres): 0.045

Pipeline long term disturbance (acres): 0

Pipeline short term disturbance (acres): 0

Other long term disturbance (acres): 0

Other short term disturbance (acres): 0

Total long term disturbance: 2.165

Total short term disturbance: 3.015

Reconstruction method: SURFACE USE PLAN

Topsoil redistribution: SURFACE USE PLAN

Soil treatment: SURFACE USE PLAN

Existing Vegetation at the well pad: SURFACE USE PLAN

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: SURFACE USE PLAN

Existing Vegetation Community at the road attachment:

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Existing Vegetation Community at the pipeline: SURFACE USE PLAN

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: SURFACE USE PLAN

Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed type:

Seed source:

Seed name:

Source name:

Source address:

Source phone:

Seed cultivar:

Seed use location:

PLS pounds per acre:

Proposed seeding season:

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre
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Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:

Last Name:

Phone:

Email:

Seedbed prep:

Seed BMP:

Seed method:

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Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: SURFACE USE PLAN

Weed treatment plan attachment:

Monitoring plan description: SURFACE USE PLAN

Monitoring plan attachment:

Success standards: WILL RECLAIM TO ORIGINAL CONTOUR AND RESEED TO BLM SPECS

Pit closure description: SURFACE USE PLAN

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Section 12 - Other Information

Right of Way needed? YES

Use APD as ROW? YES

ROW Type(s): 281001 ROW - ROADS

Operator Name: BC OPERATING INCORPORATED

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ROW Applications

SUPO Additional Information:

Use a previously conducted onsite? YES

Previous Onsite information: ONSITE WITH NICK FRANKE OF THE BLM 11/15/2016

Other SUPO Attachment