

APD ID: 10400002338

Submission Date: 06/24/2016

Highlight
Operator Name: BTA OIL PRODUCERS LLC

Federal/Indian APD: FED

All Changes
Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Well Type: OIL WELL

Well Work Type: Drill

Application

Section 1 - General

APD ID: 10400002338

Tie to previous NOS?
Submission Date: 06/24/2016

BLM Office: CARLSBAD

User: Pam Inskeep

Title: Regulatory Administrator

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM82799

Lease Acres: 640

Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO

Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? YES

Permitting Agent? NO

APD Operator: BTA OIL PRODUCERS LLC

Operator letter of designation:
Keep application confidential? YES

Operator Info

Operator Organization Name: BTA OIL PRODUCERS LLC

Operator Address: 104 S. Pecos

Zip: 79701

Operator PO Box:
Operator City: Midland

State: TX

Operator Phone: (432)682-3753

Operator Internet Address: pinskeep@btaoil.com

Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:
Well in Master SUPO? NO

Master SUPO name:
Well in Master Drilling Plan? NO

Master Drilling Plan name:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: WC-025 G-06
S223421L; BONE SPRING

Pool Name: BONE SPRING

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Describe other minerals:

Is the proposed well in a Helium production area? N

Use Existing Well Pad? NO

New surface disturbance?

Type of Well Pad: SINGLE WELL

Multiple Well Pad Name:

Number:

Well Class: HORIZONTAL

Number of Legs:

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: EXPLORATORY (WILDCAT)

Describe sub-type:

Distance to town: 20 Miles

Distance to nearest well: 0 FT

Distance to lease line: 330 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: Grama Fed Com 8817 JV-P 2H C102 06 09 2016 (2)_06-24-2016.pdf

Well work start Date: 08/01/2016

Duration: 45 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD27

Vertical Datum: NGVD29

Survey number:

STATE: NEW MEXICO

Meridian: NEW MEXICO PRINCIPAL County: LEA

Latitude: 32.385229

Longitude: -103.48183

SHL

Elevation: 3476

MD: 0

TVD: 0

Leg #: 1

Lease Type: STATE

Lease #: STATE

NS-Foot: 330

NS Indicator: FSL

EW-Foot: 380

EW Indicator: FWL

Twsp: 22S

Range: 34E

Section: 16

Aliquot: SWSW

Lot:

Tract:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

	STATE: NEW MEXICO	Meridian: NEW MEXICO PRINCIPAL	County: LEA
	Latitude: 32.385229	Longitude: -103.48183	
KOP	Elevation: -6224	MD: 9700	TVD: 9700
Leg #: 1	Lease Type: STATE	Lease #: STATE	
	NS-Foot: 330	NS Indicator: FSL	
	EW-Foot: 380	EW Indicator: FWL	
	Twsp: 22S	Range: 34E	Section: 16
	Aliquot: SWSW	Lot:	Tract:
	STATE: NEW MEXICO	Meridian: NEW MEXICO PRINCIPAL	County: LEA
	Latitude: 32.386801	Longitude: -103.481828	
PPP	Elevation: -6770	MD: 10600	TVD: 10246
Leg #: 1	Lease Type: STATE	Lease #: STATE	
	NS-Foot: 902	NS Indicator: FSL	
	EW-Foot: 380	EW Indicator: FWL	
	Twsp: 22S	Range: 34E	Section: 16
	Aliquot: NESW	Lot:	Tract:
	STATE: NEW MEXICO	Meridian: NEW MEXICO PRINCIPAL	County: LEA
	Latitude: 32.41244	Longitude: -103.481781	
EXIT	Elevation: -6770	MD: 19900	TVD: 10246
Leg #: 1	Lease Type: FEDERAL	Lease #: NMNM82799	
	NS-Foot: 330	NS Indicator: FNL	
	EW-Foot: 380	EW Indicator: FWL	
	Twsp: 22S	Range: 34E	Section: 9
	Aliquot: NENE	Lot:	Tract:
	STATE: NEW MEXICO	Meridian: NEW MEXICO PRINCIPAL	County: LEA
	Latitude: 32.412797	Longitude: -103.48178	
BHL	Elevation: -6770	MD: 20030	TVD: 10246
Leg #: 1	Lease Type: FEDERAL	Lease #: NMNM82799	
	NS-Foot: 200	NS Indicator: FNL	
	EW-Foot: 380	EW Indicator: FWL	

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Twsp: 22S

Range: 34E

Section: 9

Aliquot: NENE

Lot:

Tract:

Drilling Plan

Section 1 - Geologic Formations

ID: Surface formation

Name: RUSTLER ANHYDRITE

Lithology(ies):

Elevation: 1885

True Vertical Depth: 1591

Measured Depth: 1592

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 1

Name: TOP SALT

Lithology(ies):

Elevation: 1454

True Vertical Depth: 2022

Measured Depth: 2024

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 2

Name: BASE OF SALT

Lithology(ies):

Elevation: 140

True Vertical Depth: 3336

Measured Depth: 3340

Mineral Resource(s):

NONE

Is this a producing formation? N

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

ID: Formation 3

Name: CAPITAN REEF

Lithology(ies):

Elevation: -529

True Vertical Depth: 4005

Measured Depth: 4005

Mineral Resource(s):

OTHER - Water

Is this a producing formation? N

ID: Formation 4

Name: DELAWARE

Lithology(ies):

Elevation: -1734

True Vertical Depth: 5210

Measured Depth: 5215

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 5

Name: CHERRY CANYON

Lithology(ies):

Elevation: -2464

True Vertical Depth: 5940

Measured Depth: 5953

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 6

Name: BRUSHY CANYON

Lithology(ies):

Elevation: -3367

True Vertical Depth: 6843

Measured Depth: 6857

Mineral Resource(s):

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 7

Name: BONE SPRING LIME

Lithology(ies):

Elevation: -4935

True Vertical Depth: 8411

Measured Depth: 8432

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 8

Name: AVALON SAND

Lithology(ies):

Elevation: -5564

True Vertical Depth: 9040

Measured Depth: 9054

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 9

Name: BONE SPRING 1ST

Lithology(ies):

Elevation: -5944

True Vertical Depth: 9420

Measured Depth: 9469

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

ID: Formation 10

Name: BONE SPRING 2ND

Lithology(ies):

Elevation: -6770

True Vertical Depth: 10246

Measured Depth: 10246

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 3M

Rating Depth: 11000

Equipment: Kelly cock, floor safety valve (inside BOP), rotating head, remote kill line. See attached schematics.

Requesting Variance? NO

Variance request:

Testing Procedure: An initial press test will be performed by an independent service company, after NU on csg string but prior to drilling out. Equip will be tested to full working press upon installation. The annular preventer will be tested to 50% of full working press. Subseq press test will be conducted as follows: 1) Upon any change in rams or other component of the BOP stack and/or ck manifold. 2) At least every thirty (30) days. Pipe rams will be operationally checked each 24 hr period. Blind rams will be operationally checked on each trip out of the hole.

Choke Diagram Attachment:

BTA 3M choke diagram_06-20-2016.pdf

BOP Diagram Attachment:

BTA 3M BOP schematic (1)_06-20-2016.pdf

Section 3 - Casing

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

String Type: SURFACE

Other String Type:

Hole Size: 17.5

Top setting depth MD: 0

Top setting depth TVD: 0

Top setting depth MSL: 3476

Bottom setting depth MD: 1610

Bottom setting depth TVD: 1610

Bottom setting depth MSL: 1866

Calculated casing length MD: 1610

Casing Size: 13.375

Other Size

Grade: J-55

Other Grade:

Weight: 54.5

Joint Type: STC

Other Joint Type:

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.6

Burst Design Safety Factor: 3.88

Joint Tensile Design Safety Factor type: DRY

Joint Tensile Design Safety Factor: 5.8

Body Tensile Design Safety Factor type: DRY

Body Tensile Design Safety Factor: 9.7

Casing Design Assumptions and Worksheet(s):

Grama Fed Com 8817 JV-P 2H Csg Program_06-24-2016_08-05-2016.pdf

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

String Type: INTERMEDIATE

Other String Type:

Hole Size: 12.25

Top setting depth MD: 0

Top setting depth TVD: 0

Top setting depth MSL: 3476

Bottom setting depth MD: 5200

Bottom setting depth TVD: 5200

Bottom setting depth MSL: -1724

Calculated casing length MD: 5200

Casing Size: 9.625

Other Size

Grade: J-55

Other Grade:

Weight: 54.5

Joint Type: LTC

Other Joint Type:

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.6

Burst Design Safety Factor: 2.5

Joint Tensile Design Safety Factor type: DRY

Joint Tensile Design Safety Factor: 2.5

Body Tensile Design Safety Factor type: DRY

Body Tensile Design Safety Factor: 3.02

Casing Design Assumptions and Worksheet(s):

Grama Fed Com 8817 JV-P 2H Csg Program_06-24-2016_08-05-2016.pdf

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

String Type: PRODUCTION

Other String Type:

Hole Size: 8.75

Top setting depth MD: 0

Top setting depth TVD: 0

Top setting depth MSL: 3476

Bottom setting depth MD: 20030

Bottom setting depth TVD: 10246

Bottom setting depth MSL: -6770

Calculated casing length MD: 20030

Casing Size: 5.5

Other Size

Grade: P-110

Other Grade:

Weight: 17

Joint Type: LTC

Other Joint Type:

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 2.77

Burst Design Safety Factor: 3.9

Joint Tensile Design Safety Factor type: DRY

Joint Tensile Design Safety Factor: 2.5

Body Tensile Design Safety Factor type: DRY

Body Tensile Design Safety Factor: 3.1

Casing Design Assumptions and Worksheet(s):

Grama Fed Com 8817 JV-P 2H Csg Program_06-24-2016_08-05-2016.pdf

Section 4 - Cement

Casing String Type: SURFACE

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Stage Tool Depth:

Lead

Top MD of Segment: 0

Bottom MD Segment: 1302

Cement Type: C

Additives: 4% gel

Quantity (sks): 1035

Yield (cu.ff./sk): 1.75

Density: 13.5

Volume (cu.ft.): 1811

Percent Excess: 100

Tail

Top MD of Segment: 1302

Bottom MD Segment: 1610

Cement Type: C

Additives: 2% CaCl₂

Quantity (sks): 200

Yield (cu.ff./sk): 1.34

Density: 14.8

Volume (cu.ft.): 268

Percent Excess: 25

Casing String Type: INTERMEDIATE

Stage Tool Depth:

Lead

Top MD of Segment: 0

Bottom MD Segment: 4353

Cement Type: C

Additives: 6% gel

Quantity (sks): 1320

Yield (cu.ff./sk): 2.08

Density: 12.9

Volume (cu.ft.): 2745

Percent Excess: 100

Tail

Top MD of Segment: 4353

Bottom MD Segment: 5200

Cement Type: C

Additives: 0.004 GPS CF-41L

Quantity (sks): 250

Yield (cu.ff./sk): 1.33

Density: 14.8

Volume (cu.ft.): 332

Percent Excess: 25

Casing String Type: PRODUCTION

Stage Tool Depth:

Lead

Top MD of Segment: 3800

Bottom MD Segment: 8000

Cement Type: H

Additives: 0.004 GPS CF-41L

Quantity (sks): 360

Yield (cu.ff./sk): 4.41

Density: 10.5

Volume (cu.ft.): 1411

Percent Excess: 15

Tail

Top MD of Segment: 8000

Bottom MD Segment: 20030

Cement Type: 50:50 H

Additives: 2% gel

Quantity (sks): 2870

Yield (cu.ff./sk): 1.22

Density: 14.4

Volume (cu.ft.): 3500

Percent Excess: 15

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth: 1610

Bottom Depth: 5200

Mud Type: SALT SATURATED

Min Weight (lbs./gal.): 10

Max Weight (lbs./gal.): 10.2

Density (lbs/cu.ft.):

Gel Strength (lbs/100 sq.ft.):

PH:

Viscosity (CP):

Filtration (cc):

Salinity (ppm):

Additional Characteristics:

Top Depth: 0

Bottom Depth: 1610

Mud Type: SPUD MUD

Min Weight (lbs./gal.): 8.6

Max Weight (lbs./gal.): 8.8

Density (lbs/cu.ft.):

Gel Strength (lbs/100 sq.ft.):

PH:

Viscosity (CP):

Filtration (cc):

Salinity (ppm):

Additional Characteristics:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Top Depth: 5200

Bottom Depth: 10246

Mud Type: WATER-BASED MUD

Min Weight (lbs./gal.): 8.5

Max Weight (lbs./gal.): 9.3

Density (lbs/cu.ft.):

Gel Strength (lbs/100 sq.ft.):

PH:

Viscosity (CP):

Filtration (cc):

Salinity (ppm):

Additional Characteristics:

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Drill Stem Tests will be based on geological sample shows

List of open and cased hole logs run in the well:

CBL,DS,GR,MUDLOG

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4954

Anticipated Surface Pressure: 2699.88

Anticipated Bottom Hole Temperature(F): 140

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? NO

Hydrogen sulfide drilling operations plan:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Grama Fed Com 8817 JV-P 2H directional plan_06-24-2016.pdf

Grama Fed Com 8817 JV-P 2H wall plot_06-24-2016.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Other Variance attachment:

SUPO

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Grama Fed Com 8817 JV-P 2H topo

Grama Fed Com 8817 JV-P 2H Vicinity Map_06-24-2016.pdf

Grama Fed Com 8817 JV-P 2H full access road breakdown plats_06-24-2016.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

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? NO

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Grama Fed Com 8817 JV-P 2H - 1 Mile Radius Map_06-24-2016.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:

Grama Fed Com 8817 JV-P 2H Prod Facility Layout_06-24-2016.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source use type: DUST CONTROL,
INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE
CASING

Describe type: Commercial Water Station

Source latitude: 31.999126

Source datum: NAD83

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

Water source transport method: TRUCKING

Source transportation land ownership: PRIVATE

Water source volume (barrels): 100000

Source volume (gal): 4200000

Water source type: OTHER

Source longitude: -103.71602

Source volume (acre-feet): 12.88931

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Water source and transportation map:

Grama Fed Com 8817 JV-P 2H Water Haul Route_06-24-2016.pdf

Grama Fed Com 8817 JV-P 2H PodByLoc Rept_06-24-2016.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:

Section 6 - Construction Materials

Construction Materials description: Possible use of caliche from an approved Federal or State pit

Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: SEWAGE

Waste content description: Human waste and grey water

Amount of waste: 1000 barrels

Waste disposal frequency : One Time Only

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal facility.

Safe containmant attachment:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

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

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: GARBAGE

Waste content description: Garbage and trash produced during drilling and completion operations

Amount of waste: 500 pounds

Waste disposal frequency : One Time Only

Safe containment description: Garbage and trash produced during drilling and completion operations will be collected in a trash container and disposed of properly at a state approved disposal facility.

Safe containmant attachment:

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

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: DRILLING

Waste content description: Drilling fluids and produced oil and water while drilling and completion operations

Amount of waste: 3990 barrels

Waste disposal frequency : One Time Only

Safe containment description: All drilling waste will be stored safely and disposed of properly.

Safe containmant attachment:

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

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

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

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

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.)

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:

Grama Fed Com 8817 JV-P 2H Well Site Plan (600)_06-24-2016.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

Drainage/Erosion control construction: During construction, proper erosion control methods will be used to control erosion, runoff, and siltation of the surrounding area.

Drainage/Erosion control reclamation: Proper erosion control methods will be used to control erosion, runoff, and siltation of the surrounding area.

Wellpad long term disturbance (acres): 3.05

Wellpad short term disturbance (acres): 3.67

Access road long term disturbance (acres): 0

Access road short term disturbance (acres): 0

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: 3.05

Total short term disturbance: 3.67

Reconstruction method: The areas planned for interim reclamation will then be recontoured to the original contour if

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Well Number: 2H

feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, any fill material of the well pad will be backfilled into the cut to bring the area back to the original contour.

Topsoil redistribution: Topsoil will be evenly respreads and aggressively revegetated over the entire disturbed area not needed for all-weather operations.

Soil treatment: After all the disturbed areas have been properly prepared, the areas will need to be seeded with the recommended seed mixture, free of noxious weeds. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

Existing Vegetation at the well pad: The current vegetative community consists of mesquite, narrowleaf yucca, shinnery oak, winterfat, and desert grasses and forbs.

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Refer to 'Existing Vegetation at the well pad'

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Refer to 'Existing Vegetation at the well pad'

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Refer to 'Existing Vegetation at the well pad'

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:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Seed Type

Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:

Last Name:

Phone:

Email:

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: No invasive species present. Standard regular maintenance to maintain a clear location and road.

Weed treatment plan attachment:

Monitoring plan description: Identify area supporting weeds prior to construction, prevent the introduction and spread of weeds from construction equipment during construction, and contain weed seeds and propagules by preventing segregated topsoil from being spread to adjacent areas. No invasive species present. Standard regular maintenance to maintain a clear location and road.

Monitoring plan attachment:

Success standards: To maintain all disturbed areas as per Gold Book standards.

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: STATE OF NEW MEXICO COMMISSIONER OF PUBLIC LANDS

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT, PRIVATE OWNERSHIP, STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: STATE OF NEW MEXICO COMMISSIONER OF PUBLIC LANDS

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, FLPMA (Powerline), Other

ROW Applications

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

SUPO Additional Information: Access road will cross BLM surface in Sections 17 and 20 - see attached full access road detail plats. Frac pond will be adjacent to well pad, to the east. Plat is attached. This well was permitted with the State on 9/28/15 as a one-mile 2nd Bone Spring horizontal. After further evaluation, we would like to extend to a two-mile horizontal covering the W2W2 of Sections 16 and 9. The Section 9 acreage is Federal. BTA leases cover both sections.

Use a previously conducted onsite? YES

Previous Onsite information: On 5/17/2016, Jeffery Robertson, BLM, advised that he would perform an informal onsite, as the pad was previously built and is on State surface.

Other SUPO Attachment

Grama Fed Com 8817 JV-P 2H Frac Pond_06-24-2016.pdf

PWD

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Injection well name:

Assigned injection well API number?

Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

Bond Info

Bond Information

Federal/Indian APD: FED

BLM Bond number: NM1195

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

Operator Certification

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Operator Name: BTA OIL PRODUCERS LLC

Well Name: GRAMA FED COM, 8817 JV-P

Well Number: 2H

NAME: Pam Inskeep

Signed on: 06/24/2016

Title: Regulatory Administrator

Street Address: 104 S. Pecos

City: Midland

State: TX

Zip: 79701

Phone: (432)682-3753

Email address: pinskeep@btaoil.com

Field Representative

Representative Name: Nick Eaton

Street Address: 104 S Pecos

City: Midland

State: TX

Zip: 79701

Phone: (432)682-3753

Email address: neaton@btaoil.com

Payment Info

Payment

APD Fee Payment Method: BLM DIRECT

CBS Receipt number: 3591793