

HOBBS OCD

DEC 26 2017

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires October 31, 2014

5. Lease Serial No.  
NMNM016269

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.  
MCDERMOTT FEDERAL 3

9. API Well No.

10. Field and Pool, or Exploratory  
SAWYER / SAN ANDRES

11. Sec., T. R. M. or Blk. and Survey or Area  
SEC 19 / T9S / R38E / NMP

12. County or Parish  
LEA

13. State  
NM

1a. Kind of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator  
RAW OIL & GAS INCORPORATED

3a. Address  
1415 Buddy Holly Avenue Lubbock TX 79401

3b. Phone No. (include area code)  
(806)771-7766

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface TR L / 1700 FSL / 660 FWL / LAT 32.517513 / LONG -103.095213

At proposed prod. zone TR L / 1700 FSL / 660 FWL / LAT 32.517513 / LONG -103.095213

14. Distance in miles and direction from nearest town or post office\*  
9.1 miles

15. Distance from proposed\*  
location to nearest 660 feet  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

16. No. of acres in lease  
160

17. Spacing Unit dedicated to this well  
40

18. Distance from proposed location\*  
to nearest well, drilling, completed, 1550 feet  
applied for, on this lease, ft.

19. Proposed Depth  
5100 feet / 5100 feet

20. BLM/BIA Bond No. on file  
FED: NMB001431

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
3964 feet

22. Approximate date work will start\*  
09/15/2017

23. Estimated duration  
45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification

6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature  
(Electronic Submission)

Name (Printed/Typed)  
Curtis Griffin / Ph: (575)390-4693

Date  
06/29/2017

Title  
Surface Consultant - Agent

Approved by (Signature)  
(Electronic Submission)

Name (Printed/Typed)  
Bobby Ballard / Ph: (575)234-2235

Date  
12/20/2017

Title  
Natural Resource Specialist

Office  
CARLSBAD

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

APPROVED WITH CONDITIONS

Approval Date: 12/20/2017

KZ  
01/02/18

Double Sided



## Application for Permit to Drill

OCD Hobbs

17-817

U.S. Department of the Interior  
Bureau of Land Management

### APD Package Report

Date Printed: 12/21/2017 06:19 AM

APD ID: 10400014704	Well Status: AAPD
APD Received Date: 06/29/2017 04:21 PM	Well Name: MCDERMOTT FEDERAL
Operator: RAW OIL & GAS INCORPORATED	Well Number: 3

#### APD Package Report Contents

- Form 3160-3
- Operator Certification Report
- Application Report
- Application Attachments
  - Well Plat: 5 file(s)
- Drilling Plan Report
- Drilling Plan Attachments
  - Blowout Prevention Choke Diagram Attachment: 1 file(s)
  - Blowout Prevention BOP Diagram Attachment: 1 file(s)
  - Casing Design Assumptions and Worksheet(s): 2 file(s)
  - Hydrogen sulfide drilling operations plan: 1 file(s)
- SUPO Report
- SUPO Attachments
  - Existing Road Map: 2 file(s)
  - New Road Map: 2 file(s)
  - Attach Well map: 1 file(s)
  - Production Facilities map: 1 file(s)
  - Water source and transportation map: 1 file(s)
  - Construction Materials source location attachment: 1 file(s)
  - Well Site Layout Diagram: 1 file(s)
  - Surface use plan certification document: 1 file(s)
- PWD Report
- PWD Attachments
  - None
- Bond Report
- Bond Attachments
  - None

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APD ID: 10400014704

Submission Date: 06/29/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - General

APD ID: 10400014704

Tie to previous NOS? 10400012685

Submission Date: 06/29/2017

BLM Office: CARLSBAD

User: Curtis Griffin

Title: Surface Consultant - Agent

Federal/Indian APD: FED

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

Lease number: NMNM016269

Lease Acres: 160

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? NO

Permitting Agent? YES

APD Operator: RAW OIL & GAS INCORPORATED

Operator letter of designation:

### Operator Info

Operator Organization Name: RAW OIL & GAS INCORPORATED

Operator Address: 1415 Buddy Holly Avenue

Zip: 79401

Operator PO Box:

Operator City: Lubbock

State: TX

Operator Phone: (806)771-7766

Operator Internet Address: rawoilandgas@raw-energy.net

### 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:

Well Name: MCDERMOTT FEDERAL

Well Number: 3

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: SAWYER

Pool Name: SAN ANDRES

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

Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

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: VERTICAL

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 9.1 Miles

Distance to nearest well: 1550 FT

Distance to lease line: 660 FT

Reservoir well spacing assigned acres Measurement: 40 Acres

Well plat: 0122\_Topographical\_\_Access\_Rd\_McDermott\_Federal\_\_3\_Rev\_5\_25\_17\_06-16-2017.pdf

0122\_Vicinity\_Map\_McDermott\_Federal\_\_3\_Rev\_5\_25\_17\_06-16-2017.pdf

0122\_Well\_Site\_Plan\_\_600s\_\_McDermott\_Federal\_\_3\_Rev\_5\_25\_17\_06-16-2017.pdf

0122\_loc\_1\_\_2007\_06-16-2017.pdf

0122\_C\_102\_McDermott\_Federal\_\_2\_Rev\_5\_25\_17\_20170907130045.pdf

Well work start Date: 09/15/2017

Duration: 45 DAYS

### Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: N.M.P.M.

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	170 0	FSL	660	FWL	9S	38E	19	Tract L	32.51751 3	- 103.0952 13	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 65151	396 4	510 0	510 0

Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
BHL Leg #1	170 0	FSL	660	FWL	9S	38E	19	Tract L	32.51751 3	- 103.0952 13	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 65151	396 4	510 0	510 0

APD ID: 10400014704

Submission Date: 06/29/2017

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Operator Name: RAW OIL &amp; GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

**Section 1 - Geologic Formations**

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	---	3964	0	0	OTHER	NONE	No
2	RUSTLER	2214	1750	1750	SHALE,MUDSTONE,ANHYDRITE	NONE	No
3	YATES	1064	2900	2900	SHALE,SANDSTONE,ANHYDRITE	NONE	No
4	GRAYBURG	59	3905	3905	SHALE,SANDSTONE,DOLOMITE	NONE	No
5	SAN ANDRES	-156	4120	4120	SHALE,DOLOMITE	NATURAL GAS,OIL	Yes
6	SAN ANDRES UPPER	-826	4790	4790	DOLOMITE	NATURAL GAS,OIL	Yes
7	SAN ANDRES LOWER	-1136	5100	5100	DOLOMITE	NATURAL GAS,OIL	Yes

**Section 2 - Blowout Prevention**

Pressure Rating (PSI): 3M

Rating Depth: 5100

Equipment: 11 inch Shaffer 3000 psig working pressure. H2S trim

Requesting Variance? NO

Variance request:

Testing Procedure: Testing will be third party. Low pressure - 250 psig. High pressure will be as per Onshore Order #2. Will not use a flex choke line.

Choke Diagram Attachment:

DOC008\_20171017164819.pdf

BOP Diagram Attachment:

DOC008\_20171017164835.pdf

Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

### Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	CONDUCTOR	20	16.0	NEW	API	N	0	40	0	40	0	40	40	H-40	65.5	STC						
2	SURFACE	12.25	8.625	NEW	API	N	0	1800	0	1800	0	1800	1800	J-55	24	STC	1.125	1	BUOY	1.8	BUOY	1.8
3	PRODUCTION	7.875	5.5	NEW	API	N	0	5100	0	5100	0	5100	5100	J-55	15.5	LTC	1.125	1	BUOY	1.8	BUOY	1.8

#### Casing Attachments

Casing ID: 1 String Type: CONDUCTOR

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2 String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

DOC149\_06-17-2017.pdf

Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

#### Casing Attachments

Casing ID: 3

String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

DOC149\_06-17-2017.pdf

#### Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
CONDUCTOR	Lead		0	40	100	1.7	13.7	170	100	Class C	1% CaCl

SURFACE	Lead		0	1500	725	1.7	13.7	1238	100	EXTENDACHEM (TM)	200 BBLs of water, 1% CaCl
SURFACE	Tail		1500	1800	195	1.35	14.8	248	100	HALCHEM	1% CaCl
PRODUCTION	Lead		0	4100	575	1.61	12.6	927.5	100	NeoChem	0.125 Poly-E-Flake
PRODUCTION	Tail		4100	5100	165	1.4	13.2	231		NeoChem TM	0.125% Poly-E-Flake



Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

## 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: Extra steel pits

Describe the mud monitoring system utilized: Pit level monitors

### Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	40	WATER-BASED MUD	8.5	9.5	12	0.8	10	20	3000	15	Spud Mud
0	1800	WATER-BASED MUD	8.5	10		0.8	10	20	40000	20	Fresh Water Mud system
1800	5100	SALT SATURATED	9.5	10	30	0.4	10	25	150000	10	

## Section 6 - Test, Logging, Coring

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

Potential production test

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

CALIPER,CBL,CNL/FDC,CDL,CNL,DIL,DLL,EL,FDC,GR,MUDLOG,MICROLO

Coring operation description for the well:

None

**Operator Name:** RAW OIL & GAS INCORPORATED

**Well Name:** MCDERMOTT FEDERAL

**Well Number:** 3

### **Section 7 - Pressure**

**Anticipated Bottom Hole Pressure:** 2652

**Anticipated Surface Pressure:** 1530

**Anticipated Bottom Hole Temperature(F):** 150

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

**Describe:**

**Contingency Plans geohazards description:**

**Contingency Plans geohazards attachment:**

**Hydrogen Sulfide drilling operations plan required?** YES

**Hydrogen sulfide drilling operations plan:**

Contingency\_Plan\_20171007094944.pdf

### **Section 8 - Other Information**

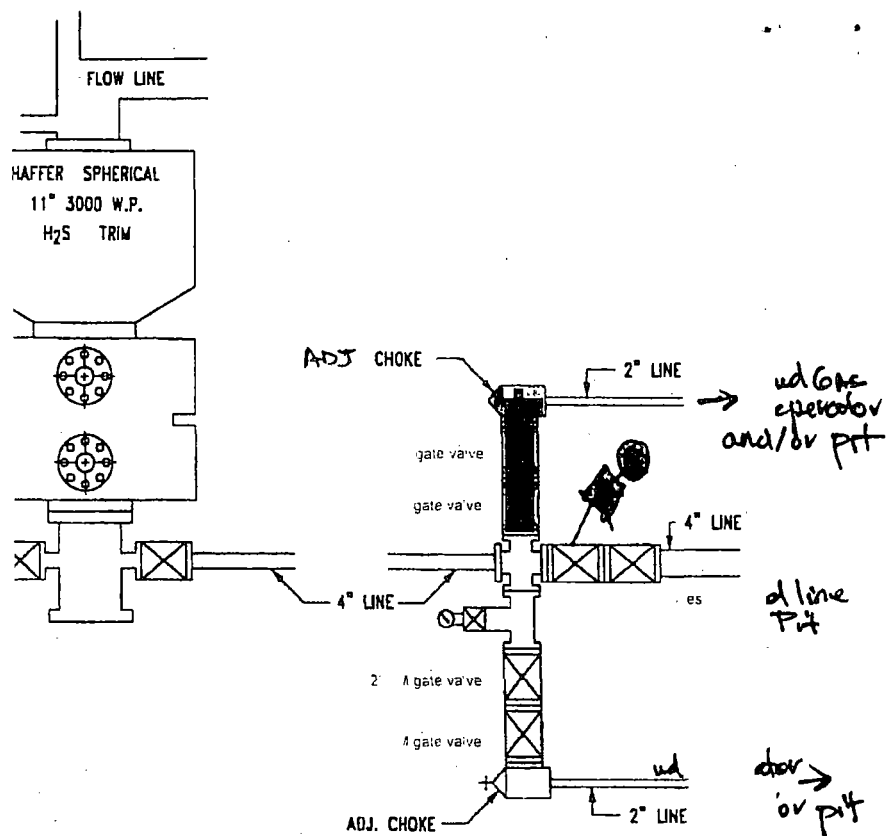
**Proposed horizontal/directional/multi-lateral plan submission:**

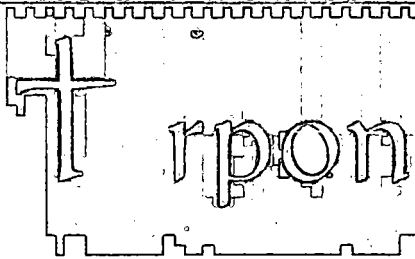
**Other proposed operations facets description:**

None Vertical well.

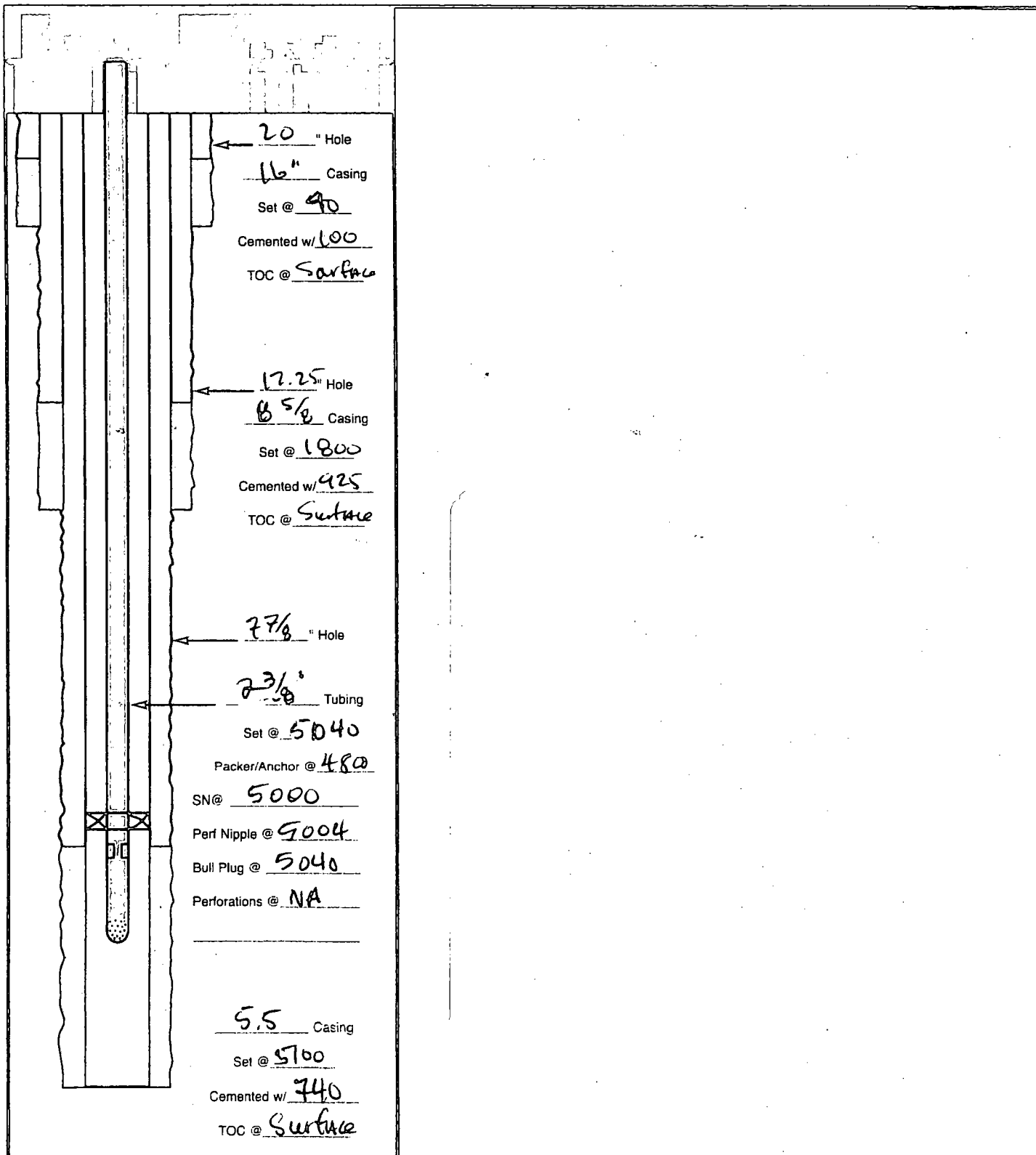
**Other proposed operations facets attachment:**

**Other Variance attachment:**





g  
g  
Pipe  
Pipe  
rural



**APD ID:** 10400014704**Submission Date:** 06/29/2017Highlighted data  
reflects the most  
recent changes**Operator Name:** RAW OIL & GAS INCORPORATED**Well Name:** MCDERMOTT FEDERAL**Well Number:** 3[Show Final Text](#)**Well Type:** OIL WELL**Well Work Type:** Drill

## Section 1 - Existing Roads

**Will existing roads be used?** YES**Existing Road Map:**

0122\_Topographical\_\_Access\_Rd\_McDermott\_Federal\_\_3\_Rev\_5\_25\_17\_06-16-2017.pdf

McDermott\_\_3\_roads\_20171018104824.pdf

**Existing Road Purpose:** ACCESS,FLUID TRANSPORT**Row(s) Exist?** NO

### ROW ID(s)

**ID:****Do the existing roads need to be improved?** YES**Existing Road Improvement Description:** Blade and water**Existing Road Improvement Attachment:**

## Section 2 - New or Reconstructed Access Roads

**Will new roads be needed?** YES**New Road Map:**

0122\_Topographical\_\_Access\_Rd\_McDermott\_Federal\_\_3\_Rev\_5\_25\_17\_06-16-2017.pdf

17130939\_Access\_Rd\_to\_the\_McDermott\_Fed\_\_3\_20171018105021.pdf

**New road type:** LOCAL**Length:** 1530

Feet

**Width (ft.):** 20**Max slope (%):** 1**Max grade (%):** 1**Army Corp of Engineers (ACOE) permit required?** NO**ACOE Permit Number(s):****New road travel width:** 16**New road access erosion control:** Diversions along road**New road access plan or profile prepared?** NO**New road access plan attachment:**

**Operator Name:** RAW OIL & GAS INCORPORATED

**Well Name:** MCDERMOTT FEDERAL

**Well Number:** 3

**Access road engineering design?** NO

**Access road engineering design attachment:**

**Access surfacing type:** OTHER

**Access topsoil source:** ONSITE

**Access surfacing type description:** Caliche

**Access onsite topsoil source depth:** 6

**Offsite topsoil source description:**

**Onsite topsoil removal process:** Dozer

**Access other construction information:**

**Access miscellaneous information:**

**Number of access turnouts:** 1

**Access turnout map:**

### **Drainage Control**

**New road drainage crossing:** OTHER

**Drainage Control comments:** Water diversions as needed

**Road Drainage Control Structures (DCS) description:** Diversions along new road

**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:**

McDermott\_\_3\_radius\_20171018105149.pdf

**Existing Wells description:** McDermott Fed #2 660 FSL 1980 FWL

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

**Submit or defer a Proposed Production Facilities plan?** SUBMIT

**Production Facilities description:** Existing McDermott Battery

**Production Facilities map:**

McDermott\_\_3\_flowline\_rt\_20171018105432.pdf

**Operator Name:** RAW OIL & GAS INCORPORATED

**Well Name:** MCDERMOTT FEDERAL

**Well Number:** 3

## Section 5 - Location and Types of Water Supply

### Water Source Table

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

**Describe type:** Private Water Station located approx. 1 mile south of  
Crossroads, NM (Stearns Inc.)

**Source latitude:**

**Source datum:**

**Water source permit type:** PRIVATE CONTRACT

**Source land ownership:** PRIVATE

**Water source transport method:** TRUCKING

**Source transportation land ownership:** PRIVATE

**Water source volume (barrels):** 2380.9524

**Source volume (gal):** 100000

**Water source type:** OTHER

**Source longitude:**

**Source volume (acre-feet):** 0.3068883

**Water source and transportation map:**

Water\_Route\_McDermott\_3\_20171018110521.pdf

**Water source comments:** All water to be trucked in

**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:**

Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

Additional information attachment:

### Section 6 - Construction Materials

Construction Materials description: Caliche

Construction Materials source location attachment:

Caliche\_Route\_McDermott\_3\_20171018111039.pdf

### Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Cuttings

Amount of waste: 50000 pounds

Waste disposal frequency : Daily

Safe containment description: Non hazardous cuttings

Safe containmant attachment:

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

Disposal type description:

Disposal location description: Gandy-Marley Landfarm - Hwy 380

### 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.)



Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

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:

McDermott\_3\_rig\_layout\_and\_reclamation\_20171018112532.pdf

Comments: V-door East on pad. No extension.

### Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name:

Multiple Well Pad Number:

Recontouring attachment:

Drainage/Erosion control construction: Diversions as needed

Drainage/Erosion control reclamation: Conform with adjacent landforms to facilitate vegetation growth

Wellpad long term disturbance (acres): 1.75

Wellpad short term disturbance (acres): 2.1

Access road long term disturbance (acres): 0.7

Access road short term disturbance (acres): 0.7

Pipeline long term disturbance (acres): 0.19146006

Pipeline short term disturbance (acres): 0.47865012

Other long term disturbance (acres): 0

Other short term disturbance (acres): 0

Total long term disturbance: 2.64146

Total short term disturbance: 3.27865

Reconstruction method: Remove caliche and replace topsoil in reclamation area. Conform to adjacent landform

Topsoil redistribution: Remove caliche and replace topsoil in reclamation area. Conform to adjacent landform

Soil treatment: none

Existing Vegetation at the well pad: Shinnery oak

Existing Vegetation at the well pad attachment:

Operator Name: RAW OIL & GAS INCORPORATED

Well Name: MCDERMOTT FEDERAL

Well Number: 3

Existing Vegetation Community at the road: Shinnery oak

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Shinnery oak

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Shinnery oak

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: OTHER

Seed source: COMMERCIAL

Seed name: BLM mix

Source name:

Source address:

Source phone:

Seed cultivar:

Seed use location: WELL PAD,WELL PAD

PLS pounds per acre:

Proposed seeding season: AUTUMN

### Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre
-----------	-------------

OTHER	
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Seed reclamation attachment:

**Operator Name:** RAW OIL & GAS INCORPORATED

**Well Name:** MCDERMOTT FEDERAL

**Well Number:** 3

### **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:** Spray as needed

**Weed treatment plan attachment:**

**Monitoring plan description:** Checked Weekly by lease operator

**Monitoring plan attachment:**

**Success standards:** N/A

**Pit closure description:** No pit

**Pit closure attachment:**

### **Section 11 - Surface Ownership**

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** PRIVATE OWNERSHIP

**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:**

**Operator Name:** RAW OIL & GAS INCORPORATED

**Well Name:** MCDERMOTT FEDERAL

**Well Number:** 3

**Fee Owner:** David A. Bilbrey

**Fee Owner Address:** 84 Brown LN

**Phone:** (575)398-6603

**Email:**

**Surface use plan certification:** YES

**Surface use plan certification document:**

SUA\_certification\_20171018192047.pdf

**Surface access agreement or bond:** Agreement

**Surface Access Agreement Need description:** Surface use agreement with surface owner

**Surface Access Bond BLM or Forest Service:**

**BLM Surface Access Bond number:**

**USFS Surface access bond number:**

## **Section 12 - Other Information**

**Right of Way needed?** NO

**Use APD as ROW?**

**ROW Type(s):**

## **ROW Applications**

**SUPO Additional Information:**

**Use a previously conducted onsite?** NO

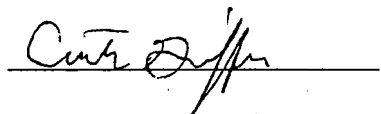
**Previous Onsite information:**

## **Other SUPO Attachment**

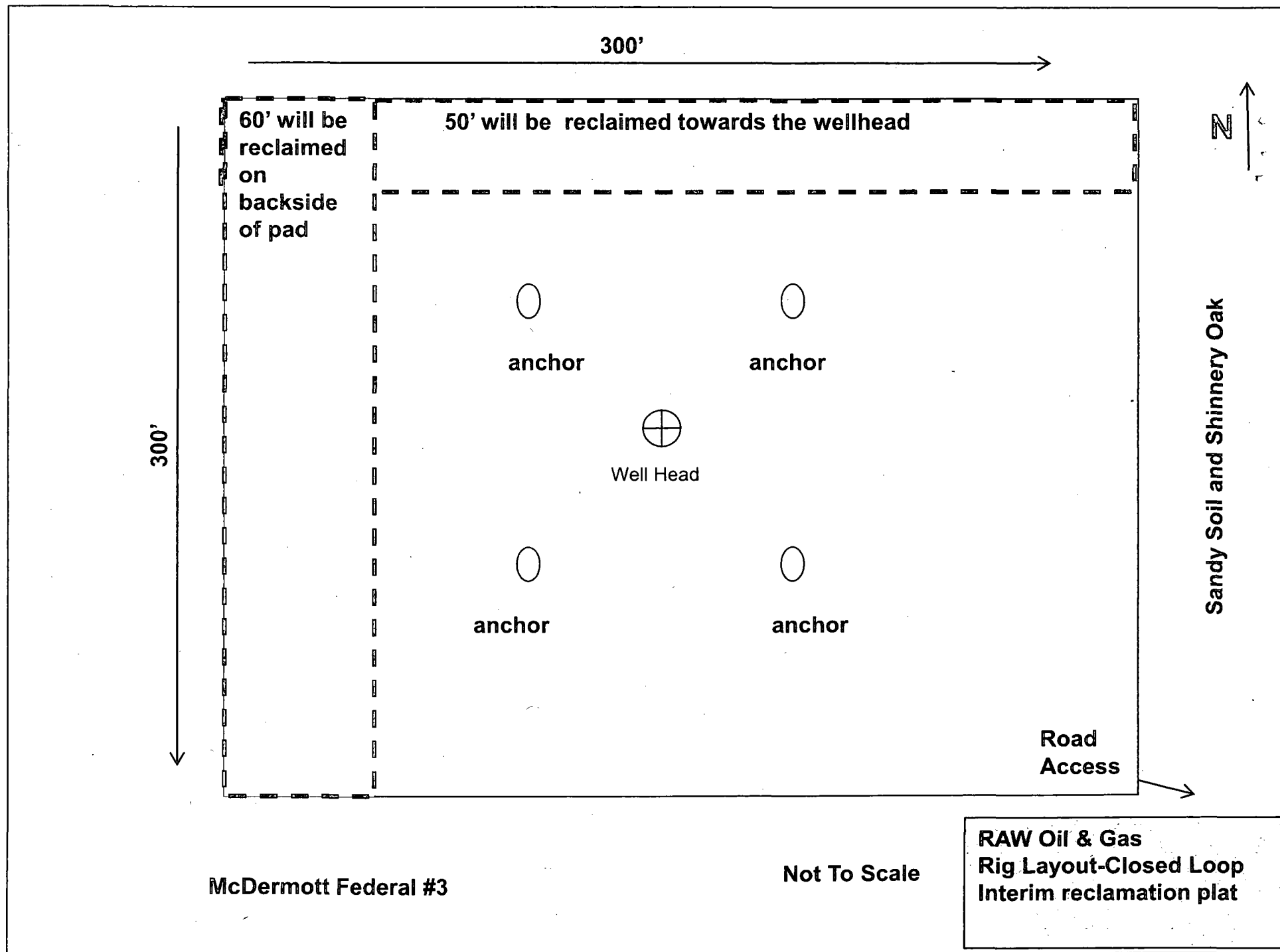
To Whom It May Concern,

I, Curtis Griffin, acting as agent for Raw Oil and Gas, Inc., do hereby certify that a surface use agreement is in place between Raw Oil and Gas, Inc. and David Bilbrey (Surface Owner). This agreement is for proposed wells to be drilled in Section 24, Township 9 South, Range 37 East and Section 30, Township 9 South, Range 38 East in Lea County, NM. This agreement allows for the construction of pads and infrastructure to drill, produce and maintain said wells.

Curtis Griffin, Agent

A handwritten signature in cursive script, appearing to read "Curtis Griffin", is written over a horizontal line.

10/18/2017





## 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:

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?

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:**

**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:**



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Bond Info Data Report

12/21/2017

### Bond Information

Federal/Indian APD: FED

BLM Bond number: NMB001431

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:



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Operator Certification Data Report

12/21/2017

### 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.*

**NAME:** Curtis Griffin

**Signed on:** 06/23/2017

**Title:** Surface Consultant - Agent

**Street Address:** 5193 Bright Sky Rd.

**City:** Roswell

**State:** NM

**Zip:** 88201

**Phone:** (575)390-4693

**Email address:** curtisgriffin@gmail.com

### Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**