

**HOBBS OCD**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 30 2017

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

5a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM073240	
5b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator MATADOR PRODUCTION COMPANY (228937)		7. If Unit or CA Agreement, Name and No.	
3a. Address 5400 LBJ Freeway, Suite 1500 Dallas TX 75242		8. Lease Name and Well No. (314278) FEDERAL 30 124H	
3b. Phone No. (include area code) (972)371-5200		9. API Well No. 30-025-44149	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NENE / 228 FNL / 698 FEL / LAT 32.6379049 / LONG -103.6961429 At proposed prod. zone SESE / 240 FSL / 660 FEL / LAT 32.6246695 / LONG -103.6960489		10. Field and Pool, or Exploration GEM / BONE SPRING (27220)	
14. Distance in miles and direction from nearest town or post office* 15 miles		11. Sec., T. R. M. or Blk. and Survey or Area SEC 30 / T19S / R33E / NMP	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 330 feet		12. County or Parish LEA	
16. No. of acres in lease 643		13. State NM	
17. Spacing Unit dedicated to this well 160		18. Distance from proposed location* to nearest well, drilling, completed, 2950 feet applied for, on this lease, ft.	
19. Proposed Depth 9960 feet / 14377 feet		20. BLM/BIA Bond No. on file FED: NMB001079	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3602 feet		22. Approximate date work will start* 07/01/2017	
		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.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 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). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature (Electronic Submission)	Name (Printed/Typed) Brian Wood / Ph: (505)466-8120	Date 06/02/2017
Title President		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 10/26/2017
Title Supervisor Multiple Resources		
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**

Ke 10/30/17

## INSTRUCTIONS

**GENERAL:** This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

**ITEM 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

**ITEM 4:** Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

**ITEM 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

**ITEMS 15 AND 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

**ITEM 22:** Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

**PRINCIPAL PURPOSES:** The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

**ROUTINE USE:** Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

## **Additional Operator Remarks**

### **Location of Well**

1. SHL: NENE / 228 FNL / 698 FEL / TWSP: 19S / RANGE: 33E / SECTION: 30 / LAT: 32.6379049 / LONG: -103.6961429 ( TVD: 0 feet, MD: 0 feet )  
PPP: NENE / 228 FNL / 698 FEL / TWSP: 19S / RANGE: 33E / SECTION: 30 / LAT: 32.6379049 / LONG: -103.6961429 ( TVD: 0 feet, MD: 0 feet )  
BHL: SESE / 240 FSL / 660 FEL / TWSP: 19S / RANGE: 33E / SECTION: 30 / LAT: 32.6246695 / LONG: -103.6960489 ( TVD: 9960 feet, MD: 14377 feet )

## **BLM Point of Contact**

Name: Priscilla Perez

Title: Legal Instruments Examiner

Phone: 5752345934

Email: pperez@blm.gov

### **Review and Appeal Rights**

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.



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

## Application Data Report

10/26/2017

APD ID: 10400014808

Submission Date: 06/02/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: MATADOR PRODUCTION COMPANY

Well Name: FEDERAL 30

Well Number: 124H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - General

APD ID: 10400014808

Tie to previous NOS?

Submission Date: 06/02/2017

BLM Office: CARLSBAD

User: Brian Wood

Title: President

Federal/Indian APD: FED

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

Lease number: NMNM073240

Lease Acres: 643

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: MATADOR PRODUCTION COMPANY

Operator letter of designation:

### Operator Info

Operator Organization Name: MATADOR PRODUCTION COMPANY

Operator Address: 5400 LBJ Freeway, Suite 1500

Zip: 75240

Operator PO Box:

Operator City: Dallas

State: TX

Operator Phone: (972)371-5200

Operator Internet Address: amonroe@matadorresources.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:

Well Name: FEDERAL 30

Well Number: 124H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: GEM

Pool Name: BONE SPRING

Is the proposed well in an area containing other mineral resources? USEABLE WATER,POTASH

**Operator Name:** MATADOR PRODUCTION COMPANY

**Well Name:** FEDERAL 30

**Well Number:** 124H

**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:** 1

**Well Work Type:** Drill

**Well Type:** OIL WELL

**Describe Well Type:**

**Well sub-Type:** INFILL

**Describe sub-type:**

**Distance to town:** 15 Miles

**Distance to nearest well:** 2950 FT

**Distance to lease line:** 330 FT

**Reservoir well spacing assigned acres Measurement:** 160 Acres

**Well plat:** Fed30\_124H\_Plat\_20170928093047.pdf

**Well work start Date:** 07/01/2017

**Duration:** 45 DAYS

### Section 3 - Well Location Table

**Survey Type:** RECTANGULAR

**Describe Survey Type:**

**Datum:** NAD83

**Vertical Datum:** NAVD88

**Survey number:** 18329

	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	228	FNL	698	FEL	19S	33E	30	Aliquot NENE 49	32.63790 49	- 103.6961 429	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 073240	360 2	0	0
KOP Leg #1	228	FNL	698	FEL	19S	33E	30	Aliquot NENE 49	32.63790 49	- 103.6961 429	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 073240	- 588 1	948 3	948 3
PPP Leg #1	228	FNL	698	FEL	19S	33E	30	Aliquot NENE 49	32.63790 49	- 103.6961 429	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 073240	360 2	0	0

30-025-44149



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BUREAU OF LAND MANAGEMENT

## Drilling Plan Data Report

10/26/2017

APD ID: 10400014808

Submission Date: 06/02/2017

Highlighted data reflects the most recent changes

Operator Name: MATADOR PRODUCTION COMPANY

Well Name: FEDERAL 30

Well Number: 124H

[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	RUSTLER	3600	1195	1195		NONE	No
2	TOP SALT	2200	1400	1400	ANHYDRITE	NONE	No
3	BASE OF SALT	855	2745	2745	ANHYDRITE	NONE	No
4	YATES	660	2940	2940		NONE	No
5	SEVEN RIVERS	345	3255	3255		NONE	No
6	BOWERS	-85	3685	3685		NONE	No
7	CAPITAN REEF	-140	3740	3740		USEABLE WATER	No
8	GRAYBURG	-1685	5285	5285		NATURAL GAS,CO2,OIL	No
9	DELAWARE	-1700	5300	5300		NATURAL GAS,CO2,OIL	No
10	BONE SPRING	-4235	7835	7835		NATURAL GAS,CO2,OIL	No
11	BONE SPRING 1ST	-5400	9000	9000	SANDSTONE	NATURAL GAS,CO2,OIL	No
12	BONE SPRING B ZONE	-5675	9275	9275	OTHER : Carbonate	NATURAL GAS,CO2,OIL	No
13	BONE SPRING 2ND	-5935	9535	9535	SANDSTONE	NATURAL GAS,CO2,OIL	No
14	BONE SPRING 3RD	-6985	10585	10585	SANDSTONE	NATURAL GAS,OIL	Yes
15	WOLFCAMP	-7425	11025	11025		NATURAL GAS,OIL	No

### Section 2 - Blowout Prevention

**Operator Name:** MATADOR PRODUCTION COMPANY

**Well Name:** FEDERAL 30

**Well Number:** 124H

**Pressure Rating (PSI):** 5M

**Rating Depth:** 10000

**Equipment:** A BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram and 1 annular preventer will be installed. The BOP will be used below intermediate 1 casing to TD. See attachments for BOP and choke manifold diagrams. An accumulator that meets the requirements of Onshore Order 2 for the pressure rating of the BOP stack will be present. Rotating head will be installed as needed.

**Requesting Variance?** YES

**Variance request:** Matador requests a variance for a 2M annular to be installed after running 20" casing. Matador Resources requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached (see Exhibit E-2). The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used.

**Testing Procedure:** Pressure tests will be conducted before drilling out from under all casing strings. BOP will be inspected and operated as recommended in Onshore Order 2. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position. A third party company will test the BOPs. Test pressures will be as follows. : On the intermediate 1 casing, pressure tests will be made to 250 psi low and 2000 psi high. On the intermediate 2 casing, pressure tests will be made to 250 psi low and 3000 psi high. The annular preventer will be tested to 250 psi low and 2500 psi high on the intermediate 1 casing, and 250 psi low and 2500 psi high on the intermediate 2 casing. In the case of running a speed head with landing mandrel for 9-5/8" casing the initial intermediate 1 casing test pressures will be 250 psi low and 3000 psi high with wellhead seals tested to 5000 psi once the 9-5/8" casing has been landed and cemented.

**Choke Diagram Attachment:**

Fed30\_124H\_Choke\_06-02-2017.pdf

**BOP Diagram Attachment:**

Fed30\_124H\_BOP\_20170927135821.pdf

### 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	SURFACE	26	20.0	NEW	API	N	0	1300	0	1300			1300	K-55	133	OTHER - BTC	1.125	1.125	DRY	1.8	DRY	1.8
2	INTERMEDIATE	17.5	13.375	NEW	API	N	0	3400	0	3400			3400	J-55	68	OTHER - BTC	1.125	1.125	DRY	1.8	DRY	1.8
3	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5000	0	5000			5000	J-55	40	OTHER - BTC	1.125	1.125	DRY	1.8	DRY	1.8
4	PRODUCTION	8.75	5.0	NEW	API	N	0	14377	0	9960			14377	P-110	20	OTHER - DWC/C	1.125	1.125	DRY	1.8	DRY	1.8

**Operator Name:** MATADOR PRODUCTION COMPANY

**Well Name:** FEDERAL 30

**Well Number:** 124H

**Casing Attachments**

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**Casing ID:** 1      **String Type:** SURFACE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Fed30\_124H\_Casing\_Assumptions\_06-02-2017.pdf

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**Casing ID:** 2      **String Type:** INTERMEDIATE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Fed30\_124H\_Casing\_Assumptions\_06-02-2017.pdf

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**Casing ID:** 3      **String Type:** INTERMEDIATE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Fed30\_124H\_Casing\_Assumptions\_06-02-2017.pdf

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Operator Name: MATADOR PRODUCTION COMPANY

Well Name: FEDERAL 30

Well Number: 124H

### Casing Attachments

Casing ID: 4 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Fed30\_124H\_Casing\_Assumptions\_06-02-2017.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
SURFACE	Lead		0	1300	1720	1.75	13.5	3010	100	Class C	3% NaCl + LCM
SURFACE	Tail		0	1300	654	1.38	14.8	903	100	Class C	5% NaCl + LCM
INTERMEDIATE	Lead		0	3400	1578	2.09	12.6	3298	30	Class C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
INTERMEDIATE	Tail		0	3400	684	1.38	14.8	944	30	Class C	5% NaCl + LCM
INTERMEDIATE	Lead		0	5000	648	2.48	11.9	1607	30	Class C	Bentonite + 2% CaCL2 + 3% NaCl + LCM
INTERMEDIATE	Tail		0	5000	497	1.26	14.4	626	30	Class C	5% NaCl + LCM
PRODUCTION	Lead		3690	1437 7	679	2.25	11.5	1528	30	TXI	Fluid Loss + Dispersant + Retarder + LCM
PRODUCTION	Tail		3690	1437 7	1456	1.38	13.2	2009	30	TXI	Fluid Loss + Dispersant + Retarder + LCM

**Operator Name:** MATADOR PRODUCTION COMPANY

**Well Name:** FEDERAL 30

**Well Number:** 124H

### 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:** All necessary mud products for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

**Describe the mud monitoring system utilized:** An electronic Pason mud monitoring system satisfying the requirements of Onshore Order 1 will be used.

### 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	5000	WATER-BASED MUD	8.4	8.6							
0	1300	SPUD MUD	8.4	8.4							
0	3400	SALT SATURATED	10	10							
3690	9960	OTHER : Fresh Water/Cut Brine	9	9							

### Section 6 - Test, Logging, Coring

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

A 2-person mud-logging program will be used from 3400' to TD.

No electric logs are planned. GR will be collected through the MWD tools from intermediate 2 casing to TD. CBL with CCL will be run as far as gravity will let it fall to TOC.

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

CBL,GR

**Operator Name:** MATADOR PRODUCTION COMPANY

**Well Name:** FEDERAL 30

**Well Number:** 124H

**Coring operation description for the well:**

No core or drill stem test is planned.

### Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 4980

**Anticipated Surface Pressure:** 2788.8

**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:**

Fed30\_124H\_H2S\_Plan\_06-02-2017.pdf

### Section 8 - Other Information

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

Fed30\_124H\_Horizontal\_Drill\_Plan\_06-02-2017.pdf

**Other proposed operations facets description:**

Deficiency Letter dated 9/19/17 requested:

- 1) Plat attachment revised with Gas Capture Plan;
- 2) BOP attachment revised with Co-flex certs;
- 2) Wellhead Casing Spec attachment revised with 5.5. in casing specs.3

Letter indicated Lat/Long coordinates incorrect but they are correct.

**Other proposed operations facets attachment:**

Fed30\_124H\_General\_Drill\_Plan\_06-02-2017.pdf

Fed30\_124H\_Wellhead\_Casing\_Spec\_20170927140156.pdf

**Other Variance attachment:**

**Operator Name:** MATADOR PRODUCTION COMPANY

**Well Name:** FEDERAL 30

**Well Number:** 124H

	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
EXIT Leg #1	240	FSL	660	FEL	19S	33E	30	Aliquot SESE	32.62466 95	- 103.6960 489	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 073240	- 635 8	143 77	996 0
BHL Leg #1	240	FSL	660	FEL	19S	33E	30	Aliquot SESE	32.62466 95	- 103.6960 489	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 073240	- 635 8	143 77	996 0

### 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):



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## PWD Data Report

10/26/2017

### 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:

Injection well type:

Injection well number:

Assigned injection well API number?

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Injection well name:

Injection well API number:

### **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:



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## Operator Certification Data Report

10/26/2017

### 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:** Brian Wood

**Signed on:** 06/02/2017

**Title:** President

**Street Address:** 37 Verano Loop

**City:** Santa Fe

**State:** NM

**Zip:** 87508

**Phone:** (505)466-8120

**Email address:** brian@permitswest.com

### Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**