

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF BLACKBUCK RESOURCES, LLC
FOR A SALT WATER DISPOSAL WELL,
IN EDDY COUNTY, NEW MEXICO.

Case No. 20460

APPLICATION FOR SALT WATER DISPOSAL

Blackbuck Resources, LLC, by and through its undersigned attorney, applies for an order approving a salt water disposal well, and in support thereof, states:

1. Applicant seeks an order proposing a salt water disposal well its Camille SWD Fed 1, to be drilled at a location 2,596 FSL and 1,471 FEL, Unit J, Section 17, Township 24 South, Range 31 East, N.M.P.M., Eddy County, New Mexico.
2. Applicant proposes to set a packer at 16,205 feet below the surface of the earth and then inject into the Devonian-Silurian formations at depths between 16,225' through 17,300' open hole, as stated in the attached C-108.
3. Attached hereto as Exhibit A is the C-108.
4. The granting of this application will prevent waste and protect correlative rights.

WHEREFORE, Applicant requests that, after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

PADILLA LAW FIRM, P.A.

/s/ ERNEST L. PADILLA

ERNEST L. PADILLA,
Attorney for Blackbuck Resources, LLC
PO Box 2523
Santa Fe, New Mexico 87504
505-988-7577
padillalaw@qwestoffice.net

EXHIBIT A

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DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

 Check One Only for [B] or [C]
 [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

 [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

 [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
 [A] Working, Royalty or Overriding Royalty Interest Owners
 [B] Offset Operators, Leaseholders or Surface Owner
 [C] Application is One Which Requires Published Legal Notice
 [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Nate Alleman
 Print or Type Name

Nathan Alleman
 Signature

Regulatory Specialist - ALL Consulting 11/30/2018
 Title Date

nalleman@all-llc.com
 Date e-mail Address

ALL CONSULTING

GOVERNMENT RELATIONS · ENERGY · PLANNING · TECHNOLOGY
ENGINEERING · ENVIRONMENTAL

March 25, 2019

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Subject: Blackbuck Resources LLC – Camille SWD Fed 1 (App # pMAM1833851880)
Revised Application for Authorization to Inject

To Whom It May Concern,

On behalf of Blackbuck Resources LLC (Blackbuck), ALL Consulting, LLC (ALL) is submitting the enclosed revisions to the Application for Authorization to Inject for the Camille SWD Fed 1, a proposed salt water disposal well, in Eddy County, NM.

The proposed location of the Camille SWD Fed 1 was moved approximately 400 feet to the north based on concerns observed during the On-Site Staking Meeting with BLM. The revised application materials, including notices to 5 new Affected Persons are attached.

Should you have any questions regarding the enclosed application, please contact Nate Alleman at (918) 382-7581 or nalleman@all-llc.com.

Sincerely,
ALL Consulting



Nate Alleman
Sr. Regulatory Specialist

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



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Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- [D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
 [B] Offset Operators, Leaseholders or Surface Owner
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U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
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Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Nate Alleman
 Print or Type Name

Nathan Alleman
 Signature

Regulatory Specialist - ALL Consulting 11/30/2018
 Title Date

nalleman@all-llc.com
 Date e-mail Address

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Application for Authorization to Inject
Well Name: Camille SWD Fed 1

III – Well Data (The Wellbore Diagram is included as Attachment 1)

A.

(1) General Well Information:

Operator: Blackbuck Resources LLC (OGRID No. 373619)
Lease Name & Well Number: Camille SWD Fed 1
Location Footage Calls: 2,596' FSL & 1,471' FEL
Legal Location: Unit Letter J, S17 T24S R31E
Ground Elevation: 3,532'
Proposed Injection Interval: 16,225' – 17,300'
County: Eddy

(2) Casing Information:

Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC	Method Determined
Surface	24"	20"	133.0 lb/ft	835'	970	Surface	Circulation
Intermediate 1	14-3/4"	13-3/8"	68.0 lb/ft	4,340'	1,700	Surface	Circulation
Intermediate 2	12-1/4"	9-5/8"	53.5 lb/ft	13,260'	4,500	Surface	Circulation
Liner	8-1/2"	7-5/8"	39 lb/ft	16,225'	260	13,060'(TOL)	CBL

(3) Tubing Information:

4-1/2" (composite weight string) of fiberglass-coated tubing with setting depth of 16,205'

(4) Packer Information: Lok-set or equivalent packer set at 16,205'

B.

(1) Injection Formation Name: Devonian and Silurian-Fusselman formations

Pool Name: SWD; Devonian – Silurian

Pool Code: 97869

(2) Injection Interval: Open-hole injection between 16,225' – 17,300'

(3) Drilling Purpose: New Drill for Salt Water Disposal

(4) Other Perforated Intervals: No other perforated intervals exist.

(5) Overlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- Delaware (4,340')
- Bone Springs (8,170')
- Wolfcamp (11,180')
- Atoka (13,380')
- Morrow (14,180')

Underlying Oil and Gas Zones: No underlying oil and gas zones exist.

V – Well and Lease Maps

The following maps are included in **Attachment 2**:

- 2-mile Oil & Gas Well Map
- 2-mile Lease Map
- 1.5-mile Deep SWD Map (Devonian/Silurian SWDs)
- Potash Lease Map

VI – AOR Well List

No wells within the 1-mile AOR penetrate the proposed injection zone.

A list of the wells within the 1-mile AOR is included in **Attachment 2**.

VII – Proposed Operation

- (1) **Proposed Maximum Injection Rate:** 30,000 bpd
Proposed Average Injection Rate: 15,000 bpd
- (2) A closed system will be used.
- (3) **Proposed Maximum Injection Pressure:** 3,245 psi (surface)
Proposed Average Injection Pressure: approximately 1,500 – 2,000 psi (surface)
- (4) **Source Water Analysis:** It is expected that the injectate will consist of produced water from production wells completed in the Wolfcamp and Bone Springs formations. Analysis of water from these formations is included in **Attachment 3**.
- (5) **Injection Formation Water Analysis:** The proposed SWD will be injecting water into the Devonian and Silurian-Fusselman formations which are non-productive zones known to be compatible with formation water from the Wolfcamp and Bone Springs formations. Water analyses from Silurian-Fusselman could not be located; however, water analyses from the Devonian formation in the area are included in **Attachment 4**.

VIII – Geologic Description

The proposed injection interval includes the Devonian and Silurian-Fusselman formations from 16,225 – 17,300 feet. These formations consist of carbonates including light colored dolomite and chert intervals interspersed with some tight limestone intervals. Several thick sections of porous dolomite capable of taking water are present within the subject formations in the area. The freshwater formation is the Rustler at a depth of approximately 810 feet. Water well depths in the area range from approximately 320 – 808 feet below ground surface.

IX – Proposed Stimulation Program

A small cleanup acid job may be used to remove mud and drill cuttings from the formation. However, no other formation stimulation is currently planned.

X – Logging and Test Data

Logs will be submitted to the Division upon completion of the well.

XI – Fresh Groundwater Samples

Based on a review of data from the New Mexico Office of the State Engineer, no groundwater wells are located within 1-mile of the proposed SWD location; therefore, no groundwater samples were collected in association with this application.

A water well map of the area is included in **Attachment 5**.

XII – No Hydrologic Connection Statement

No faulting is present in the area that would provide a hydrologic connection between the injection interval and overlying USDWs. Additionally, the casing program has been designed to ensure there will be no hydrologic connection between the injection interval and overlying USDWs. A letter from a knowledgeable and qualified expert stating that there is a low risk of seismic activity from the proposed injection activities is included in **Attachment 6**.

XIII – Proof of Notice

A Public Notice was filed with the Carlsbad Current-Argus newspaper and an affidavit is included in **Attachment 7**.

A copy of the application was mailed to the OCD District Office, landowner, and leasehold operators within 1-mile of the proposed SWD location. A list of the recipients, as well as delivery confirmations, are included in **Attachment 7**.

Attachments

Attachment 1: Wellbore Diagram

Attachment 2: Area of Review Information:

- 2-mile Oil & Gas Well Map
- 2-mile Lease Map
- 1.5-mile Deep SWD Map (Devonian/Silurian SWDs)
- 1-mile Well Detail List
- Potash Lease Map

Attachment 3: Source Water Analyses

Attachment 4: Injection Formation Water Analyses

Attachment 5: Water Well Map and Well Data

Attachment 6: Induced Seismicity Assessment Letter

Attachment 7: Public Notice Affidavit and Notice of Application Confirmations



Attachment 1

Wellbore Diagram

A-3 and AL-2 LOK-SET Retrievable Casing Packers

Product Family No. H64630 and H64628

APPLICATION

The A-3™ LOK-SET™ packer combines advantages of a retrievable packer with the features of a permanent packer. An ability to lock down tubing forces makes the A-3 suitable for a broad range of applications, including production, injection, zone isolation, and remedial operations. The AL-2™ LOK-SET packer is similar to the A-3, and has a larger bore.

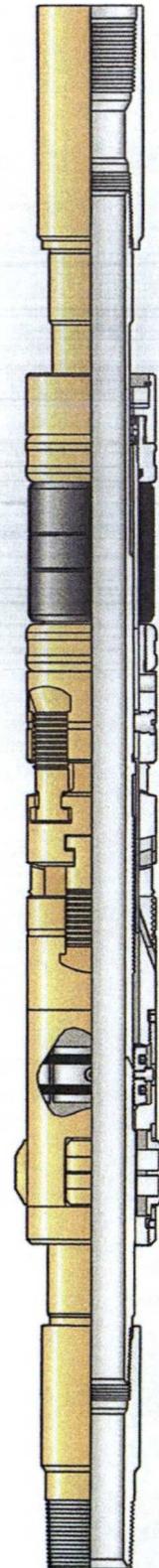
Advantages

- Holds pressure from above and below, without relying on set-down weight, tubing tension, or hydraulic hold down
- Provides tubing anchoring with tension applied, suitable for pumping wells or injection, controlling tubing forces related to change fluid temperatures
- Opposed, non-transferring, dovetail slips prevent packer movement associated with changing differential pressures, while allowing the landing of the tubing in tension, neutral or compression
- Right-hand tubing rotation controls setting and releasing
- Packing element compression locks in by ratcheting action of lock segments, which restricts rotation to one direction

Accessories

To provide a simple and reliable injection system for retrieving an injection string without having to unseat the packer:

L-10 or L-316 on-off sealing connectors, Product Family Nos. H68420 and H68422. Baker Hughes blanking plug can be used in the seating nipple profile of the on-off sealing connector to provide a means of plugging the lower zone while the tubing is being pulled.



A-3 LOK-SET
Retrievable Casing Packer
Product Family No. H64630

SPECIFICATION GUIDES

A-3™ LOK-SET Retrievable Casing Packer, Product Family No. H64630

Casing			Packer				
OD		Weight *	Size	Nom ID		Max Gage Ring OD	
in.	mm			in.	mm	in.	mm
4	101.6	9.5-12.9	41A2	1.500	38.1	3.244	82.4
4-1/2	144.3	21.6-23.6	41A2	1.500	38.1	3.244	82.4
4	101.6	9.5	41A4	1.500	38.1	3.423	112.4
4-1/2	114.3	18.8	41A4	1.500	38.1	3.423	112.4
		13.5-17.7	41B			3.578	90.9
		11.6-13.5	43A2	1.978	50.2	3.786	96.2
		9.5-10.5	43A4			3.786	96.2
5	127.0	15-18	43B	1.978	50.2	4.140	105.2
		11.5-15	43C			4.265	108.3
5-1/2	139.7	26	43C	1.978	50.2	4.265	108.3
		20-23	45A2			4.515	114.7
		15.5-20	45A4			4.656	118.3
		13-15.5	45B			4.796	121.8
6	152.4	26	45B	1.978	50.2	4.796	121.8
		20-23	45C			5.078	129.0
		15-18	45D			5.171	131.3
6-5/8	168.3	34	45E	1.978	50.2	5.421	137.7
		24-32	45F			5.499	139.7
		24	47A2	2.441	62.0	5.671	144.0
		17-24	45G	1.978	50.2	5.796	147.2
		17-20	47A4	2.441	62.0	5.827	148.0
7	177.8	38	47A2	2.441	62.0	5.671	144.0
		32-35	47A4			5.827	148.0
		26-29	47B2			5.983	152.0
		23-26	47B4			6.093	154.8
		17-20	47C2			6.281	159.5
7-5/8	193.7	33.7-39	47C4	2.441	62.0	6.468	164.3
		24-29.7	47D2			6.687	169.9
		20-24	47D4			6.827	173.4
8-5/8	219.1	44-49	49A2	3.500	88.9	7.327	186.1
		32-40	49A4			7.546	191.7
		20-28	49B			7.796	198.0
9-5/8	244.5	47-53.5	51A2	3.500	88.9	8.234	209.1
		40-47	51A4			8.452	214.7
		29.3-36	51B			8.608	218.6

AL-2™ Large Bore LOK-SET Retrievable Casing Packer Product Family No. H64628

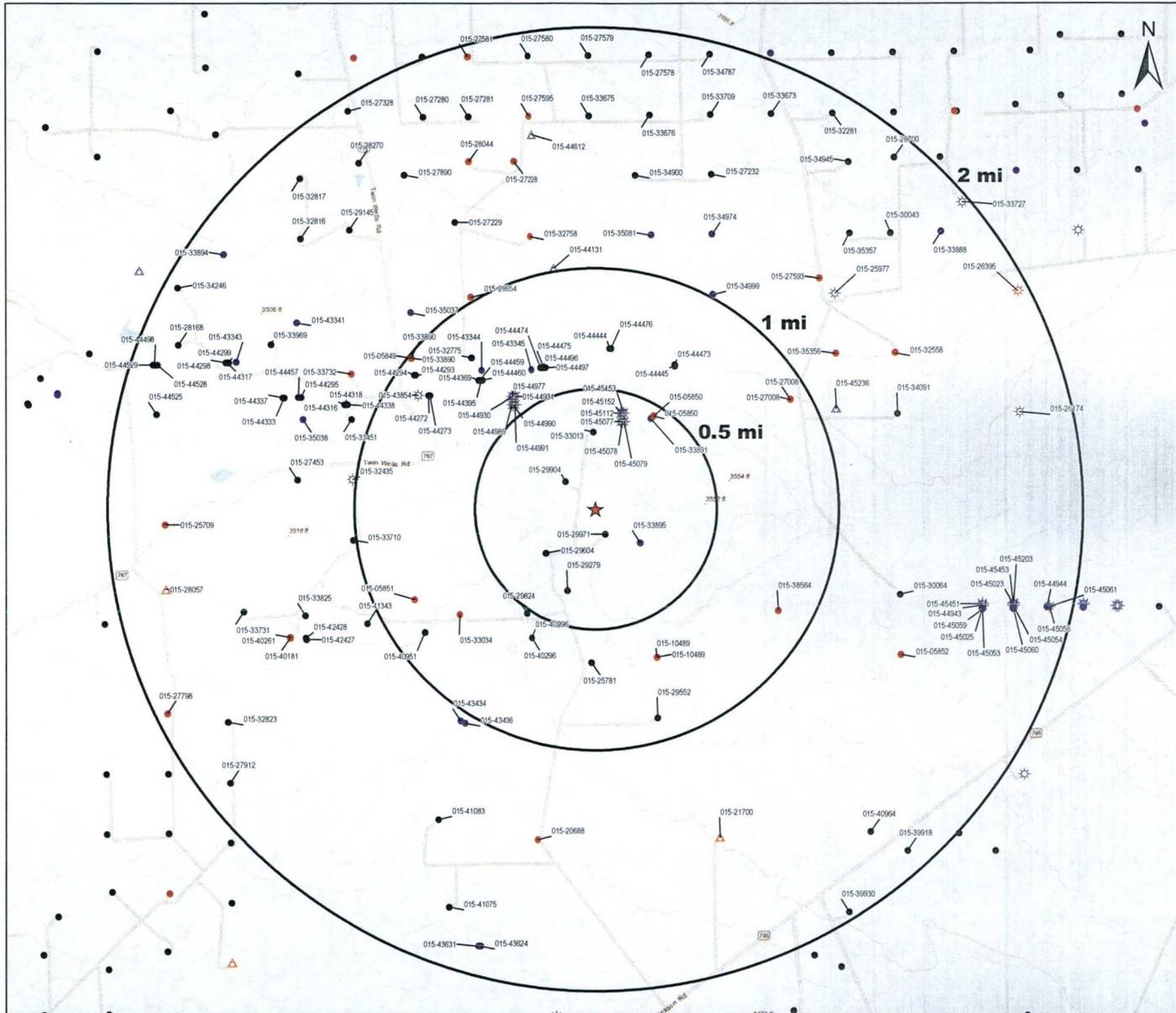
Casing			Packer						
OD		Weight *	Size	Nom ID		Max Gage Ring OD		Max Diameter of Compressed Drag Block	
in.	mm			in.	mm	in.	mm	in.	mm
5-1/2	139.7	20	45A2 x 2-3/8	2.375	60.3	4.562	115.9	4.592	116.6
		15.5-17	45A4 x 2-3/8			4.656	118.3	4.750	120.7
		13	45B x 2-3/8			4.796	121.8	4.902	124.5
6	152.4	26	45B x 2-3/8	2.375	60.3	4.796	121.8	4.902	124.5

* When selecting a packer for a casing weight common to two weight ranges (same OD), choose the packer size shown for the lighter of the two weight ranges. Example: for 7-in. (177.8 mm) OD 26 lb/ft casing use packer size 47B4. Under certain circumstances the other packer size may be run, such as when running in mixed casing strings. Repair kits, including such items as packing elements, seal rings, etc., are available for redressing Baker Retrievable Packers. Contact your Baker Hughes representative. Use only Baker Hughes repair parts.

Attachment 2

Area of Review Information:

- 2-mile Oil & Gas Well Map
- 2-mile Lease Map
- 1.5-mile Deep SWD Map (Devonian/Silurian SWDs)
- 1-mile Well Detail List
- Potash Lease Map



Legend

- ★ Proposed SWD
- ☼ Gas, Active (14)
- ☼ Gas, New (18)
- ☼ Gas, Plugged (1)
- Oil, Active (138)
- Oil, New (30)
- Oil, Plugged (26)
- △ Salt Water Injection, Active (2)
- △ Salt Water Injection, New (2)
- △ Salt Water Injection, Plugged (3)

O&G Wells Area of Review

CAMILLE SWD FED 1
Eddy County, New Mexico

Proj Mgr:
Dan Arthur

March 19, 2019

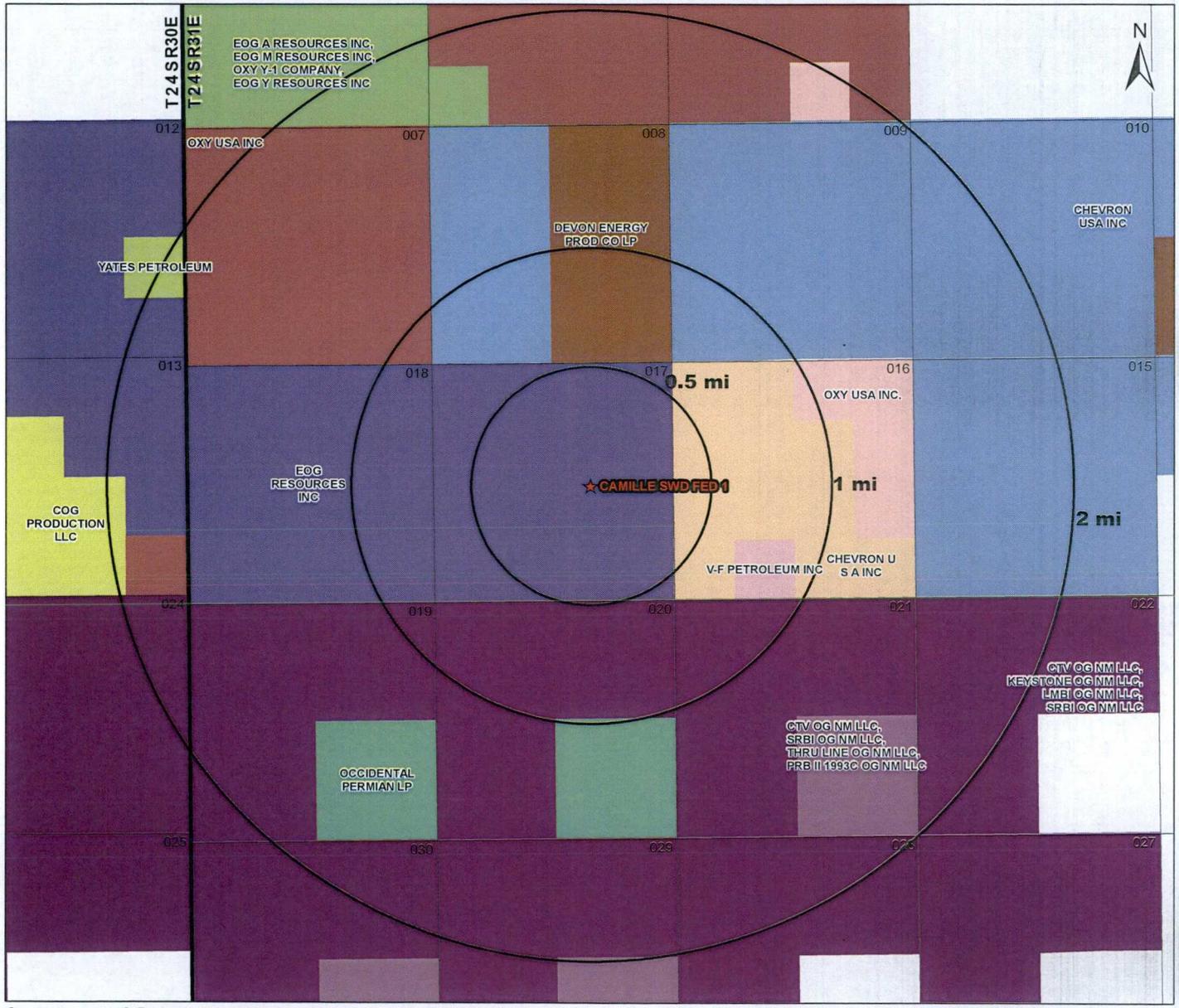
Mapped by:
Ben Bockelmann

Prepared by:

ALL CONSULTING



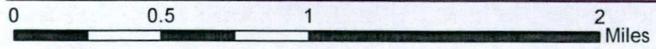
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Legend

- ★ Proposed SWD
- BLM Mineral Leases**
 - CHEVRON USA INC
 - COG PRODUCTION LLC
 - CTV OG NM LLC, KEYSTONE OG NM LLC, LMBI OG NM LLC, SRBI OG NM LLC
 - CTV OG NM LLC, SRBI OG NM LLC, THRU LINE OG NM LLC, PRB II 1993C OG NM LLC
 - DEVON ENERGY PROD CO LP
 - EOG A RESOURCES INC, EOG M RESOURCES INC, OXY Y-1 COMPANY, EOG Y RESOURCES INC
 - EOG RESOURCES INC
 - OCCIDENTAL PERMIAN LP
 - OXY USA INC
 - YATES PETROLEUM
- NMSLO Mineral Leases**
 - CHEVRON U S A INC
 - OXY USA INC
 - V-F PETROLEUM INC

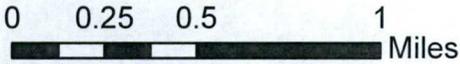
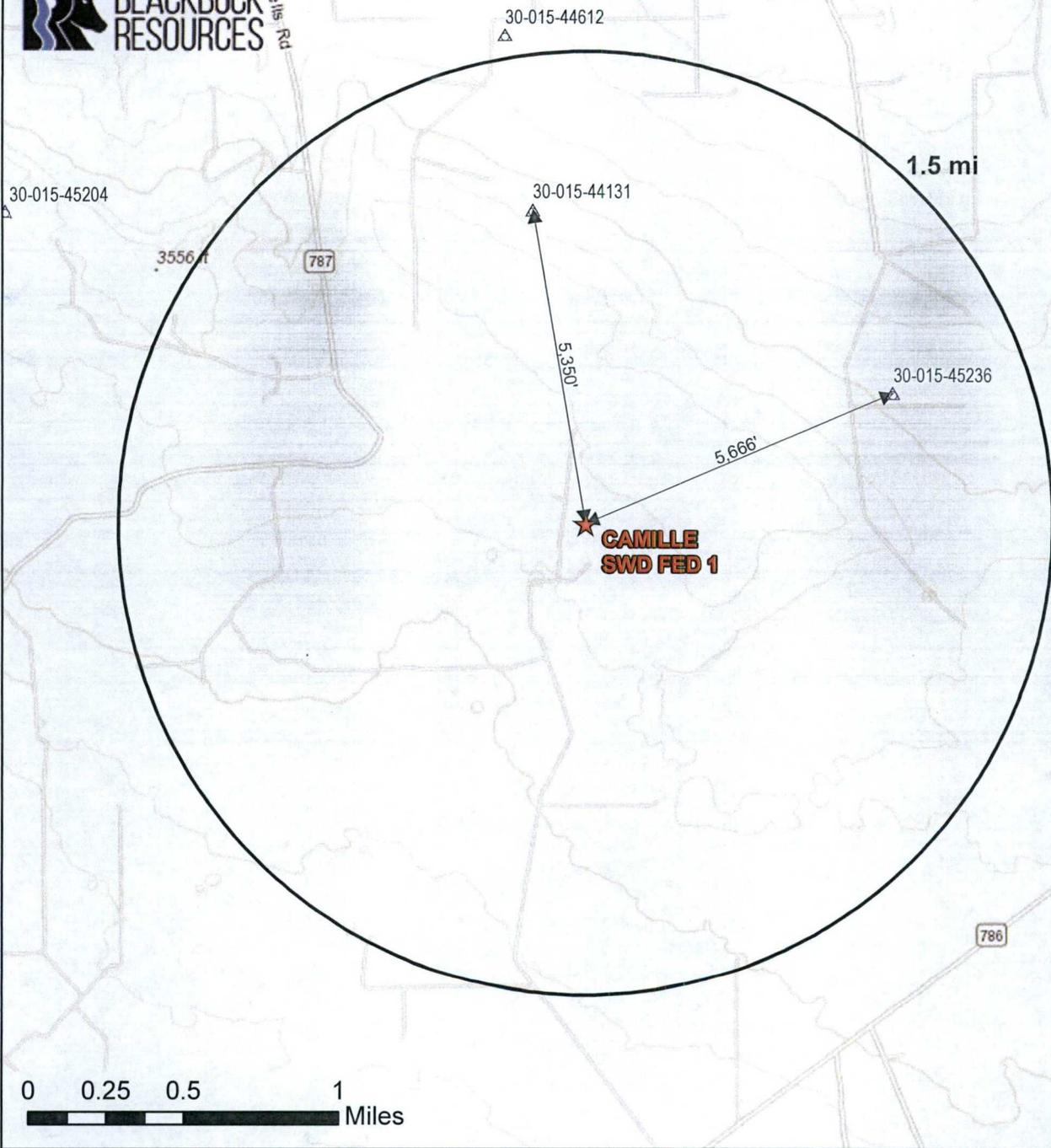
Mineral Lease Area of Review		
CAMILLE SWD FED 1 Eddy County, New Mexico		
Proj Mgr: Dan Arthur	March 19, 2019	Mapped by: Ben Bockelmann
Prepared by: 		





Prepared for:
**BLACKBUCK
RESOURCES**

Wells Rd



Legend

- ★ Proposed SWD
- ↔ Distances
- △ Salt Water Injection, Active (2)
- △ Salt Water Injection, New (2)

Devonian/Silurian SWDs

CAMILLE SWD FED 1
Devonian/Silurian SWDs AOR

Proj Mgr: Dan Arthur	Mar 19, 2019	Mapped by: Ben Bockelmann
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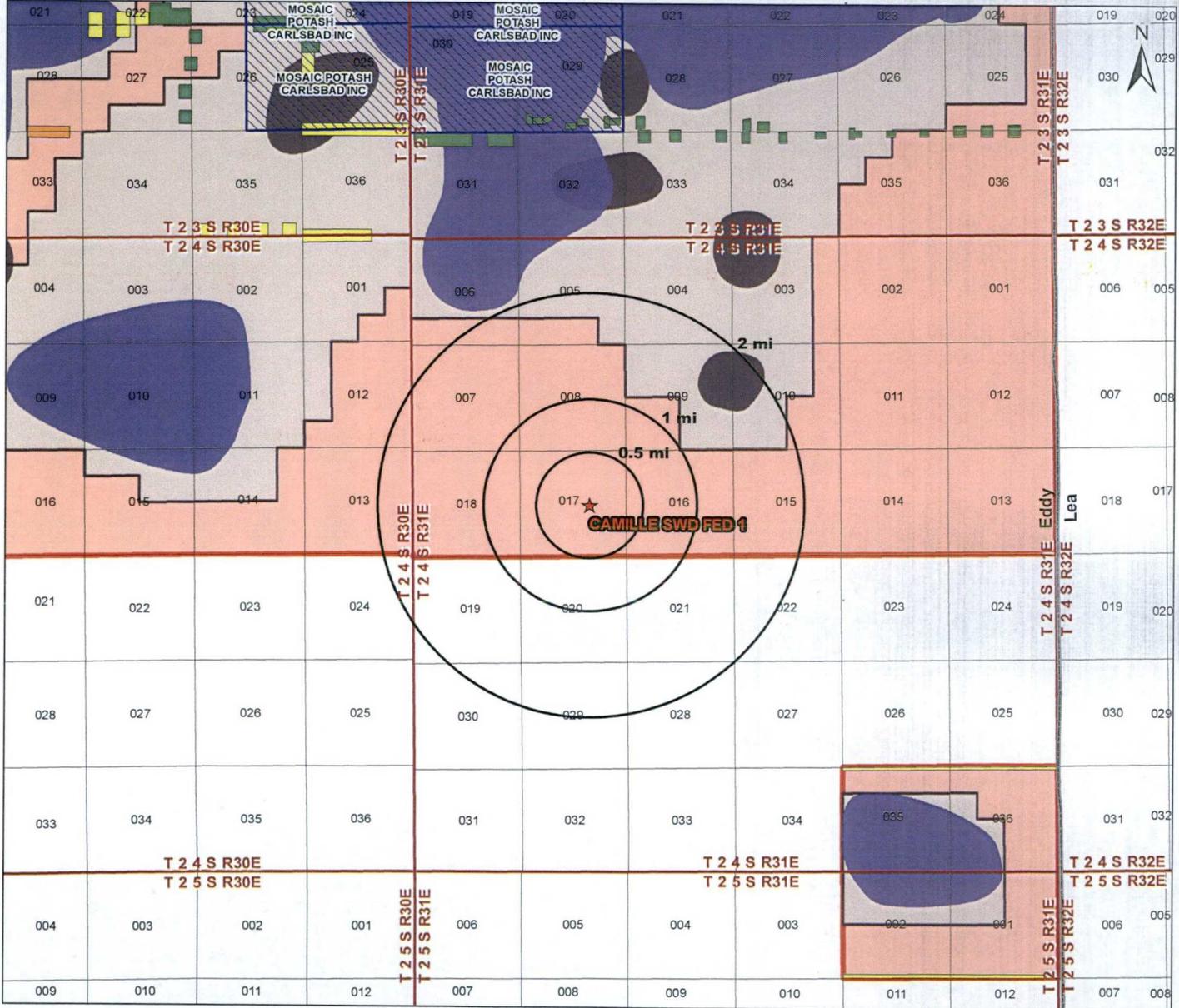
Prepared by:
ALLCONSULTING

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

AOR Tabulation for Camille SWD Fed 1 (Top of Injection Interval: 16,225')

Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
POKER LAKE UNIT #068	30-015-25781	O	BOPCO, L.P.	9/17/1987	B-20-24S-31E	4491	No
POKER LAKE UNIT #129	30-015-29552	O	BOPCO, L.P.	7/13/1997	H-20-24S-31E	8306	No
POKER LAKE UNIT #392H	30-015-40296	O	BOPCO, L.P.	9/20/2012	C-20-24S-31E	8146	No
POKER LAKE UNIT #393H	30-015-40951	O	BOPCO, L.P.	5/27/2012	A-19-24S-31E	8127	No
PATTON 17 FEDERAL #001	30-015-29279	O	OXY USA INC	12/20/1996	O-17-24S-31E	8280	No
PATTON 17 FEDERAL #002	30-015-29604	O	OXY USA INC	5/8/1997	K-17-24S-31E	9700	No
PATTON 17 FEDERAL #006	30-015-29824	O	OXY USA INC	10/10/1997	N-17-24S-31E	8290	No
PATTON 17 FEDERAL #007	30-015-29904	O	OXY USA INC	5/23/1998	G-17-24S-31E	8320	No
PATTON 17 FEDERAL #004	30-015-29971	O	OXY USA INC	1/15/1998	J-17-24S-31E	8320	No
SUNDANCE 8 FEDERAL #003Q	30-015-32775	O	OXY USA INC	5/19/2003	M-08-24S-31E	8350	No
PATTON 17 FEDERAL #012Z	30-015-33013	O	OXY USA INC	9/28/2004	B-17-24S-31E	8380	No
PATTON 17 FEDERAL #011T	30-015-33891	O	OXY USA INC	Not Drilled	37-17-24S-31E	Proposed (8350)	No
PATTON 17 FEDERAL #008V	30-015-33895	O	OXY USA INC	Not Drilled	I-17-24S-31E	Proposed (8500)	No
PATTON 17 FEDERAL #001H	30-015-43344	O	OXY USA INC	Not Drilled	M-08-24S-31E	Proposed (10226)	No
PATTON 17 FEDERAL #002H	30-015-43345	O	OXY USA INC	Not Drilled	N-08-24S-31E	Proposed (10254)	No
PATTON MDP1 18 FEDERAL #006H	30-015-43854	G	OXY USA INC	8/15/2016	A-18-24S-31E	11613	No
PATTON MDP1 18 FEDERAL #005H	30-015-44272	O	OXY USA INC	8/26/2017	A-18-24S-31E	10016	No
PATTON MDP1 18 FEDERAL #007H	30-015-44273	O	OXY USA INC	8/29/2017	A-18-24S-31E	10018	No
PALLADIUM MDP1 7 6 FEDERAL COM #006H	30-015-44293	O	OXY USA INC	8/15/2017	P-07-24S-31E	10059	No
PALLADIUM MDP1 7 6 FEDERAL COM #005H	30-015-44294	O	OXY USA INC	8/13/2017	P-07-24S-31E	10064	No
SUNRISE MDP1 8 5 FEDERAL COM #001H	30-015-44369	O	OXY USA INC	11/2/2017	M-08-24S-31E	9941	No
SUNRISE MDP1 8 5 FEDERAL COM #002H	30-015-44395	O	OXY USA INC	11/6/2017	M-08-24S-31E	9990	No
PATTON MDP1 17 FEDERAL #005H	30-015-44444	O	OXY USA INC	11/28/2017	O-08-24S-31E	10056	No
PATTON MDP1 17 FEDERAL #006H	30-015-44445	O	OXY USA INC	11/30/2017	P-08-24S-31E	10077	No
PATTON MDP1 17 FEDERAL #001H	30-015-44459	O	OXY USA INC	11/3/2017	M-08-24S-31E	9996	No
PATTON MDP1 17 FEDERAL #002H	30-015-44460	O	OXY USA INC	11/8/2017	M-08-24S-31E	9985	No
SUNRISE MDP1 8 5 FEDERAL COM #006H	30-015-44473	O	OXY USA INC	12/2/2017	P-08-24S-31E	9996	No
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SUNRISE MDP1 8 5 FEDERAL COM #004H	30-015-44475	O	OXY USA INC	11/22/2017	N-08-24S-31E	10059	No
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PATTON MDP1 17 FEDERAL #003H	30-015-44496	O	OXY USA INC	11/20/2017	N-08-24S-31E	10060	No
PATTON MDP1 17 FEDERAL #004H	30-015-44497	O	OXY USA INC	11/24/2017	N-08-24S-31E	10063	No
SUNRISE MDP1 8 5 FEDERAL COM #171H	30-015-44930	G	OXY USA INC	Not Drilled	C-17-24S-31E	Proposed (11652)	No
SUNRISE MDP1 8 5 FEDERAL COM #173H	30-015-44931	G	OXY USA INC	Not Drilled	C-17-24S-31E	Proposed (11646)	No
SUNRISE MDP1 8 5 FEDERAL COM #172H	30-015-44977	G	OXY USA INC	Not Drilled	C-17-24S-31E	Proposed (11649)	No
PATTON MDP1 17 FEDERAL #171H	30-015-44989	G	OXY USA INC	7/4/2018	C-17-24S-31E	11702	No
PATTON MDP1 17 FEDERAL #172H	30-015-44990	G	OXY USA INC	7/5/2018	C-17-24S-31E	11801	No
PATTON MDP1 17 FEDERAL #173H	30-015-44991	G	OXY USA INC	7/6/2018	C-17-24S-31E	11815	No
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PATTON MDP1 17 FEDERAL #176H	30-015-45079	G	OXY USA INC	7/18/2018	A-17-24S-31E	8976	No
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SUNRISE MDP1 8 5 FEDERAL COM #175H	30-015-45152	G	OXY USA INC	Not Drilled	B-17-24S-31E	Proposed (11674)	No
SUNRISE MDP1 8 5 FEDERAL COM #176H	30-015-45153	G	OXY USA INC	Not Drilled	A-17-24S-31E	Proposed (11683)	No
PALLADIUM 7 FEDERAL #006Q	30-015-33890	O	OXY USA INC	10/29/2005	P-07-24S-31E	8400	No

Notes: No wells within the 1-mile AOR penetrate the injection interval.



Legend

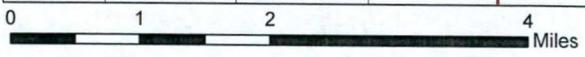
- ★ Proposed SWD
-  Potash Leases
-  Ore Type - Measured
-  Ore Type - Indicated
-  KPLA
-  SOPA
- Drill Islands**
- Status**
-  Approved
-  Nominated
-  Withdrawn

**Potash Leases
 Area of Review**

**CAMILLE SWD FED 1
 Eddy County, New Mexico**

Proj Mgr: Dan Arthur	March 20, 2019	Mapped by: Ben Bockelmann
-------------------------	----------------	------------------------------

Prepared by:

Attachment 3

Source Water Analyses

Wolfcamp



Water Analysis

Date: 23-Aug-11

2708 West County Road, Hobbs NM 88240
Phone (575) 392-5556 Fax (575) 392-7307

Analyzed For

Brusher Draw 1#1

Company	Well Name	County	State
	BD	Lea	New Mexico

Eddy

1-265-295

Sample Source	Swab Sample	Sample #
		1

Formation	Depth
Specific Gravity	1.170
pH	6.30
Temperature (°F)	70

SG @ 60 °F	Sulfides	Reducing Agents
1.172	Absent	

Cations

	in Mg/L		in PPM
Sodium (Calc)	77,962		66,520
Calcium	4,000		3,413
Magnesium	1,200		1,024
Soluble Iron (FE2)	10.0		9

Anions

	in Mg/L		in PPM
Chlorides	130,000		110,922
Sulfates	250		213
Bicarbonates	127		108

	in Mg/L		in PPM
Total Hardness (as CaCO3)	15,000		12,799
Total Dissolved Solids (Calc)	213,549		182,209
Equivalent NaCl Concentration	182,868		156,031

Scaling Tendencies

*Calcium Carbonate Index	507,520
<i>Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable</i>	
*Calcium Sulfate (Gyp) Index	1,000,000
<i>Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable</i>	

*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks RW=.048@70F

Report # 3188

Sec 22, T25S, R28E

North Permian Basin Region
 P.O. Box 740
 Sundown, TX 79372-0740
 (806) 228-8121
 Lab Team Leader - Shella Hernandez
 (432) 495-7240

Bone Spring

Water Analysis Report by Baker Petrolite

Company:		Sales RDT:	33514.1
Region:	PERMIAN BASIN	Account Manager:	TONY HERNANDEZ (575) 910-7135
Area:	ARTESIA, NM	Sample #:	534665
Lease/Platform:	PINOCHLE 'BPN' STATE COM	Analysis ID #:	106795
Entity (or well #):	2 H	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 534665 @ 75 F					
		Anions		Cations			
		mg/l	meq/l	mg/l	meq/l		
Sampling Date:	03/10/11	Chloride:	109618.0	3091.92	Sodium:	70275.7	3056.82
Analysis Date:	03/18/11	Bicarbonate:	2135.0	34.99	Magnesium:	195.0	18.04
Analyst:	SANDRA GOMEZ	Carbonate:	0.0	0.	Calcium:	844.0	42.12
TDS (mg/l or g/m3):	184911.1	Sulfate:	747.0	15.55	Strontium:	220.0	5.02
Density (g/cm3, tonne/m3):	1.113	Phosphate:			Barium:	0.8	0.01
Anion/Cation Ratio:	1	Borate:			Iron:	6.5	0.23
		Silicate:			Potassium:	889.0	22.22
Carbon Dioxide:	0.50 PPM	Hydrogen Sulfide:		0 PPM	Aluminum:		
Oxygen:		pH at time of sampling:		7	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		7	Lead:		
					Manganese:	0.100	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0	1.08	188.52	-1.20	0.00	-1.18	0.00	-0.11	0.00	0.58	0.29	1.72
100	0	1.10	208.05	-1.29	0.00	-1.20	0.00	-0.15	0.00	0.35	0.29	2.36
120	0	1.12	224.17	-1.38	0.00	-1.19	0.00	-0.17	0.00	0.16	0.00	3.17
140	0	1.13	243.17	-1.42	0.00	-1.18	0.00	-0.18	0.00	0.00	0.00	4.21

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

Attachment 4

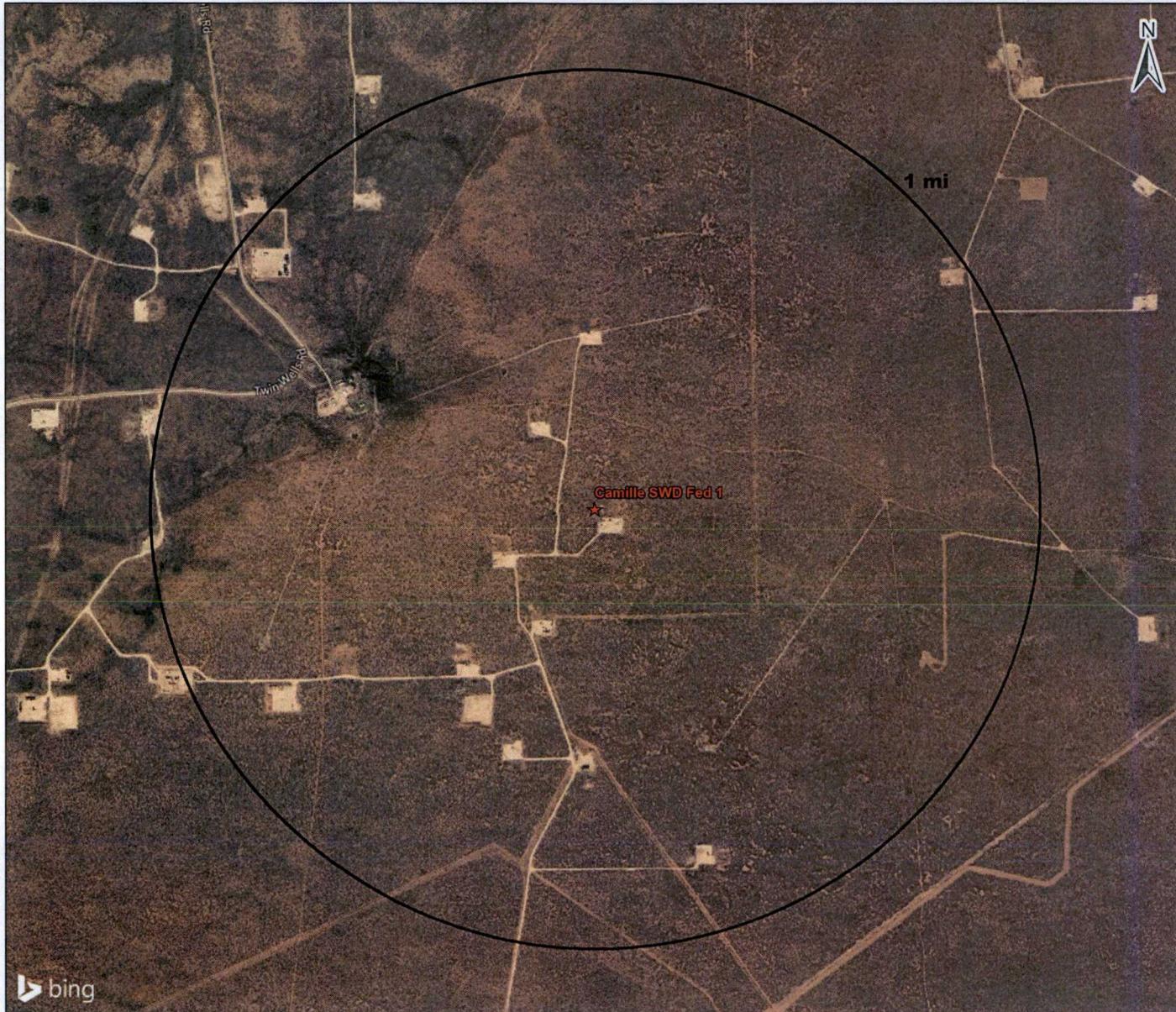
Injection Formation Water Analyses

wellname	api	section	township	range	county	state	formation	sampledate	ph	specificgravity	specificgravity_temp_F	tds_mgl	resistivity_ohm_cm	resistivity_ohm_cm_temp_F	conductivity	conductivity_temp_F	sodium_mgl	calcium_mgl	magnesium_mgl	chloride_mgl	bicarbonate_mgl	sulfate_mgl			
JURNEGAN POINT #001	3001510280	5	24S	25E	EDDY	NM	DEVONIAN	12/14/1964 0:00	7			203100													
WHITE CITY PENN GAS COM UNIT 1 #001	3001500408	29	24S	26E	EDDY	NM	DEVONIAN	3/1/1960 0:00	7	1.012	60	0.36		75	25596	64	6072	1002	132	121100	175	2220	10120	653	1336

Source: Go-Tech (<http://gotech.nmt.edu/gotech/Water/producedwater.aspx>)

Attachment 5

Water Well Map and Well Data



Legend

- ★ Proposed SWD
- ⊙ Water Well (iWATERS)
- Proposed SWD 1-mile AOR



Water Wells Area of Review

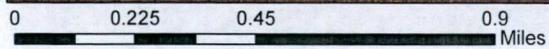
Camille SWD Fed 1
Eddy County, New Mexico

Proj Mgr:
Dan Arthur

October 25, 2018

Mapped by:
Ben Bockelmann

Prepared by:



Service Layer Credits: © 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS © 2018 HERE

Water Well Sampling Rationale				
Camille SWD Fed 1				
Water Wells	Owner	Available Contact Information	Current Use	Notes

Note: No water wells are present within 1 mile of the proposed SWD location.

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Attachment 6

Induced Seismicity Assessment Letter

March 20, 2019

Mr. Phillip Goetze, P.G.
NM EMNRD – Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Induced Seismicity Potential Statement for the Camille SWD Fed 1

Dear Mr. Goetze,

This letter provides information regarding the seismic potential associated with injection operations associated with Blackbuck Resources LLC's (Blackbuck), proposed Camille SWD Fed 1, hereinafter referred to as the "Subject Well."

As outlined herein, based on my experience as an expert on the issue of induced seismicity, it is my opinion that the potential for the proposed injection well to cause injection-induced seismicity is expected to be minimal, at best. This conclusion is based on (1) the lack of historic seismic activity and faulting in the area, (2) the low fault slip potential (FSP) of Precambrian faults in the area, (3) the presence of confining layers, and (4) the overall vertical distance between the proposed injection zone and basement rock.

The Subject Well, is located 2,596' FSL & 1,471' FEL of Section 17, in T24-S and R31-E of Eddy County, New Mexico. Historically, the Eddy County area has experienced very limited recorded seismic activity (per the U.S. Geological Survey [USGS] earthquake catalog database). There have been two known seismic events located within a 25-mile radius of the proposed subject well. The closest recorded seismic event was a M3.1 that occurred on March 18, 2012, and was located approximately 7.1 miles northwest of the subject well (See Exhibit 1). The closest Class IID well injecting into the same formations (Devonian-Silurian) of the Subject Well is approximately 1.0 miles to the north (See Exhibit 1).

Blackbuck does not own either 2D or 3D seismic reflection data in the area of the Subject Well. Fault data from USGS indicates that the closest known fault is approximately 12.1 miles southwest of the Subject Well (See Exhibit 1).

In a recent paper written by Snee and Zoback (2018) entitled "State of Stress in the Permian Basin, Texas and New Mexico: Implications for Induced Seismicity," the authors found that large groups of mostly north-south striking Precambrian basement faults, predominantly located along the Central Basin Platform, the western Delaware Basin, and large parts of the Northwest Shelf (which includes Eddy and Lea counties, New Mexico) have low FSP at the modeled fluid-pressure

perturbation. The map in Exhibit 2 depicts the low probability risk of FSP for the Delaware Basin and Northwest Shelf areas (Snee and Zoback 2018).

Geologic analysis indicates that the proposed Devonian-Silurian injection zone is overlain by approximately 200 to 400 feet of Woodford Shale, which is the upper confining zone and will serve as a barrier for upward injection fluid migration. Additionally, the Simpson Group that lies directly below the Montoya Formation will act as a lower confining zone to prohibit fluids from migrating downward into the underlying Ellenburger Formation and Precambrian basement rock. See the stratigraphic column for the Delaware Basin included in Exhibit 3.

In the Eddy and Lea Counties area of New Mexico, the Simpson Group is comprised of a series of Middle to Upper Ordovician carbonates, several sandstones, and sandy shales that range from approximately 350 to 650 feet thick (Jones 2008). This group of rocks is capped by the limestones of the Bromide Formation, which is approximately 200 feet thick in this area (Jones 2008). The closest deep well drilled into the Precambrian basement was completed by the Skelly Oil Company in 1975. This well is located in Section 17, Range 36E, Township 25S of Lea County (API No.30-025-25046) and encountered 602 feet of Ellenburger Formation before reaching the top of the Precambrian granite at a depth of 18,920 feet. Based on the estimated thickness of the Simpson Group and Ellenburger Formation in this area, the Precambrian basement should be approximately 1,000 to 1,200 feet below the bottom of the proposed injection zones in the Subject Well.

Conclusion

As an expert on the issue of induced seismicity, it is my opinion that the potential for the proposed injection well to cause injection-induced seismicity is expected to be minimal, at best. This conclusion is based on (1) the lack of historic seismic activity and faulting in the area, (2) the low FSP of Precambrian faults in the area, (3) the presence of confining layers, and (4) the overall vertical distance between the proposed injection zone and basement rock.

Sincerely,
ALL Consulting



J. Daniel Arthur, P.E., SPEC
President and Chief Engineer

Enclosures
References
Exhibits

References

Induced Seismicity Potential Statement for the Camille SWD Fed I
March 20, 2019

Ball, Mahlon M. 1995. "Permian Basin Province (044)." In *National Assessment of United States Oil and Gas Resources—Results, Methodology, and Supporting Data*. U.S. Geological Survey. <https://certmapper.cr.usgs.gov/data/noga95/prov44/text/prov44.pdf> (accessed June 18, 2018).

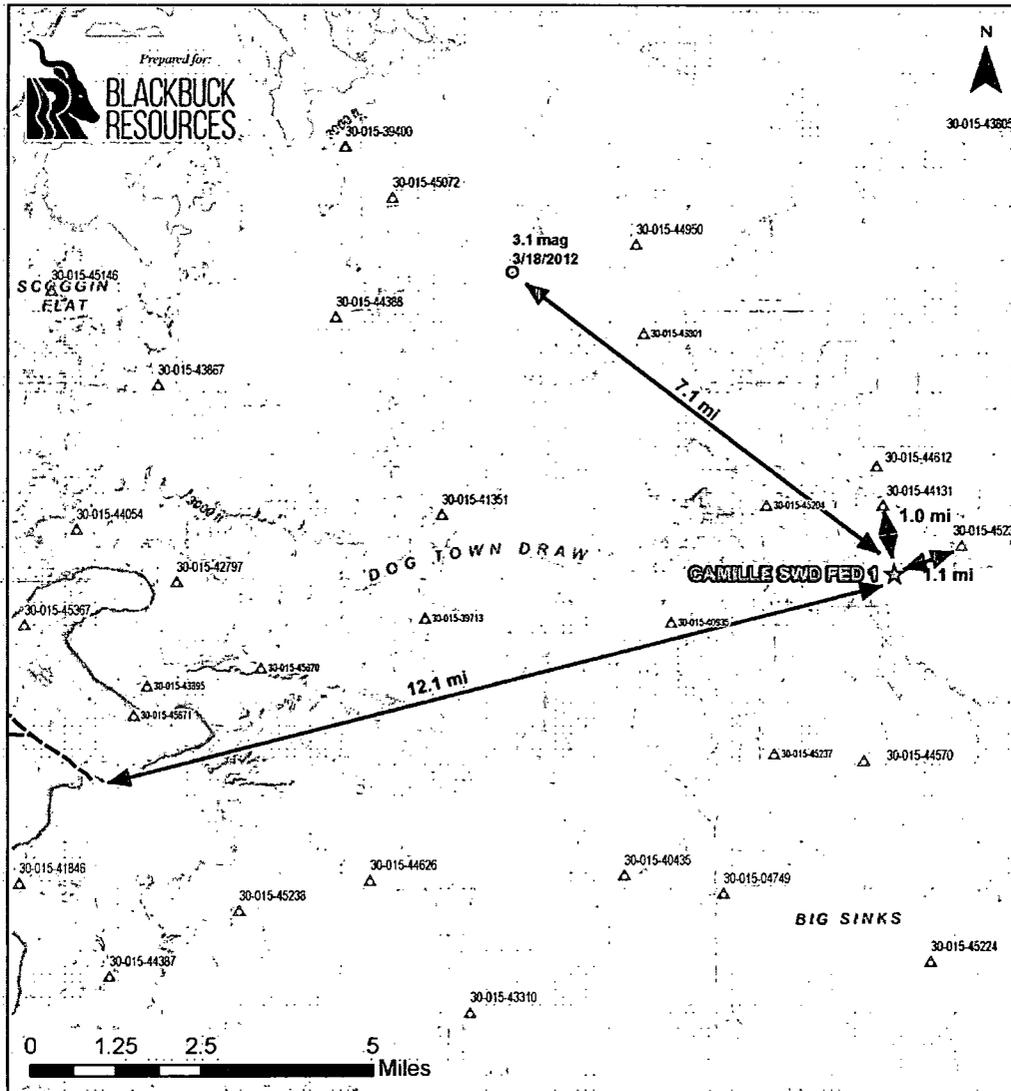
Green, G.N., and G.E. Jones. 1997. "The Digital Geologic Map of New Mexico in ARC/INFO Format." U.S. Geological Survey Open-File Report 97-0052. <https://mrdata.usgs.gov/geology/state/state.php?state=NM> (accessed June 14, 2018).

Jones, Rebecca H. 2008. "The Middle-Upper Ordovician Simpson Group of the Permian Basin: Deposition, Diagenesis, and Reservoir Development." http://www.beg.utexas.edu/resprog/permianbasin/PBGSP_members/writ_synth/Simpson.pdf (accessed June 19, 2018).

Snee, Jens-Erik Lund, and Mark D. Zoback. 2018. "State of Stress in the Permian Basin, Texas and New Mexico: Implications for Induced Seismicity." *The Leading Edge* 37, no. 2 (February 2018): 127-34.

U.S. Geological Survey (USGS). No date. Earthquakes Hazard Program: Earthquake Catalog. <https://earthquake.usgs.gov/earthquakes/search/> (accessed June 14, 2018).

Exhibits



**CAMILLE SWD FED #1
 Seismic Activity AOR**

Proj Mgr: Dan Arthur	Mar 19, 2019	Mapped by: Ben Bockelmann
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Prepared by:
ALL CONSULTING

- Legend**
- ☆ Proposed SWD
 - USGS Seismic Events
 - USGS Faults
 - △ Salt Water Injection, Active (14)
 - △ Salt Water Injection, New (17)

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Exhibit 1. Map Showing the Distances from Known and Inferred Faults, Seismic Event, and Closest Deep Injection Well

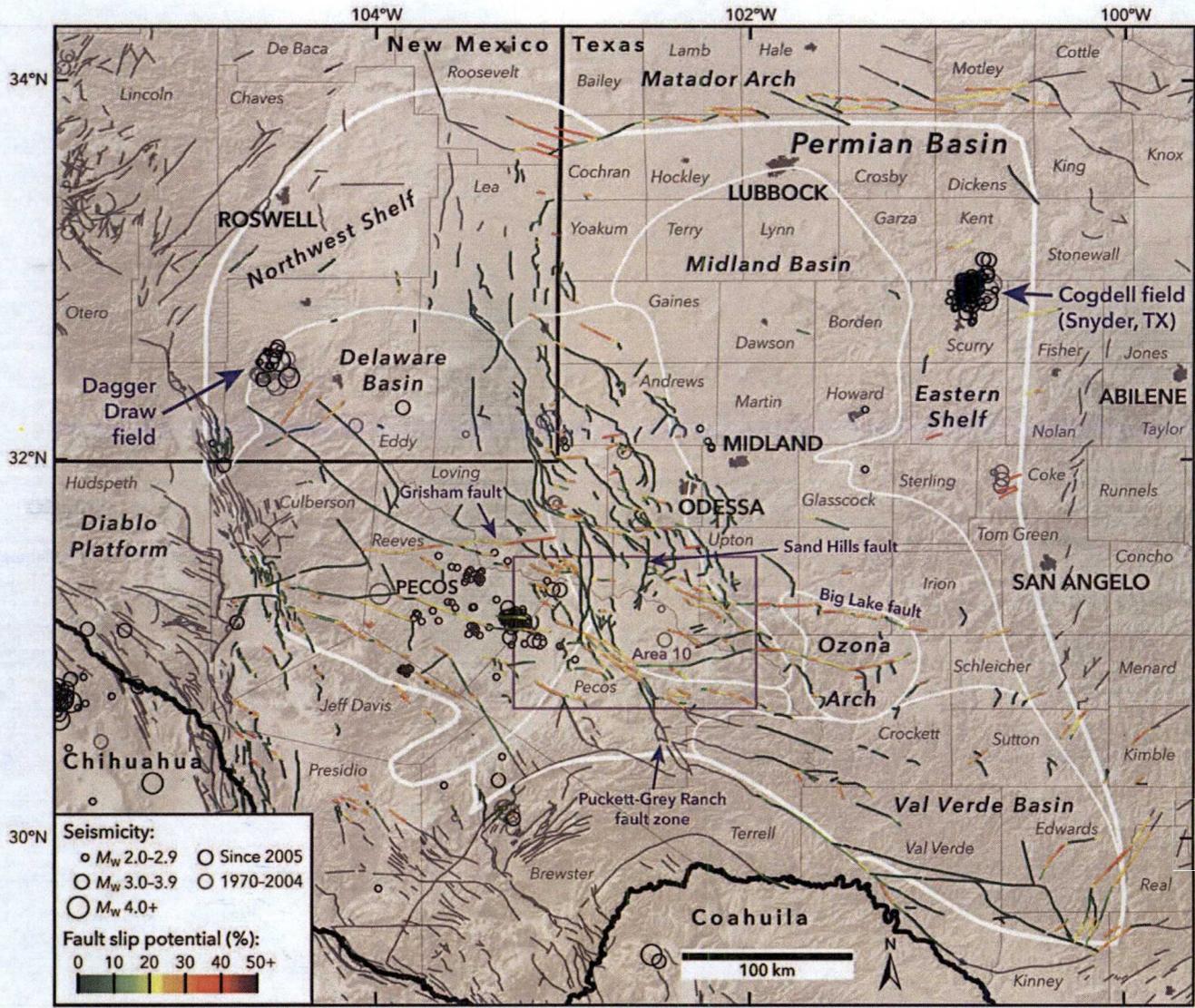


Exhibit 2. Results of the Snee and Zoback (2018) Probabilistic FSP Analysis Across the Permian Basin

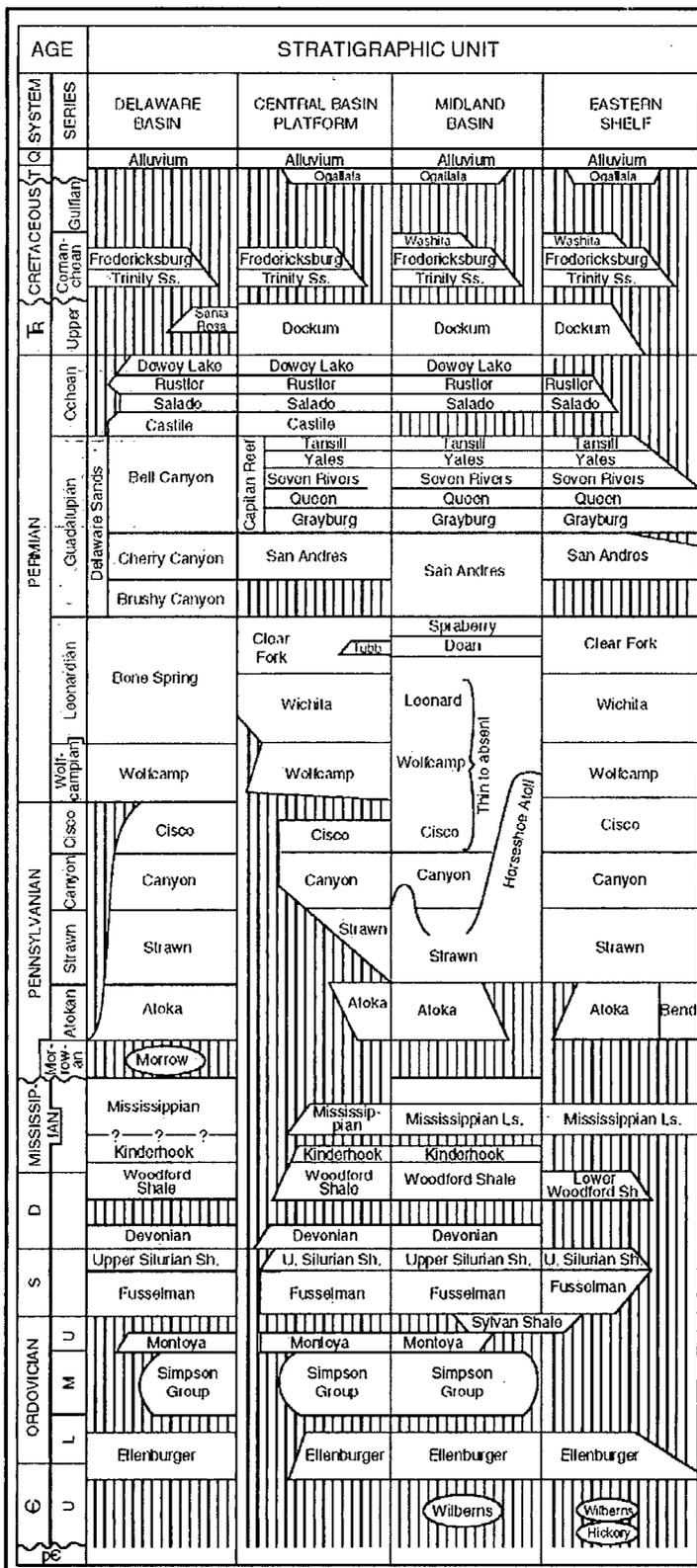


Exhibit 3. Delaware Basin Stratigraphic Chart (Ball 1995)

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Attachment 7

Public Notice Affidavit and Notice of Application Confirmations

CARLSBAD
CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

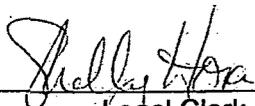
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ALL CONSULTING- CARLSBAD
1718 SOUTH CHEYENNE AVENUE

TULSA OK 74119

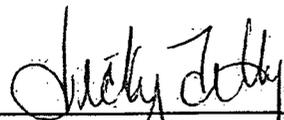
I, a legal clerk of the **Carlsbad Current-Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

11/13/18



Legal Clerk

Subscribed and sworn before me this
13th of November 2018.



State of WI, County of Brown
NOTARY PUBLIC

9-19-21

My Commission Expires

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Blackbuck Resources LLC, 2601 Westheimer Rd., Suite C210, Houston, TX 77098, is requesting that the New Mexico Oil Conservation Division administratively approve the **APPLICATION FOR AUTHORIZATION TO INJECT** as follows:

PURPOSE: The intended purpose of the injection well is to dispose of salt water produced from permitted oil and gas wells.

WELL NAME AND LOCATION: Camille SWD Fed 1
NW ¼ SE ¼, Section 17, Township 24S, Range 31E
2,202' FSL & 1,951' FEL
Eddy County, NM

NAME AND DEPTH OF DISPOSAL ZONE: Devonian-Silurian (16,225' - 17,300')
EXPECTED MAXIMUM INJECTION RATE: 30,000 Bbls/day
EXPECTED MAXIMUM INJECTION PRESSURE: 3,245 psi (surface)

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

Additional information may be obtained by contacting Samuel Oliver (Blackbuck - Chief Commercial Officer) at 855-432-1400.
Pub: November 13, 2018 #1268206



Camille SWD Fed 1 Notice of Application Recipients

Entity	Address	City	State	Zip Code	Date
Landowner					
New Mexico BLM	620 Greene St.	Carlsbad	NM	88220	11/19/2018
OCD District					
NMOCD District 2	811 S. First St.	Artesia	NM	88210	11/19/2018
Leasehold Operators					
Ambassador Oil Corp.	1220 South St. Francis Dr.	Santa Fe	NM	84505	11/19/2018
Amoco Production	200 Amoco Court	Farmington	NM	87401	11/19/2018
Anadarko Petroleum Corporation	9950 woodloch Forest Dr.	The Woodlands	TX	77380	11/19/2018
Bass Enterprises Production Company	201 Main Street	Fort Worth	TX	76102	11/19/2018
Bettis Boyle & Stovall, Inc.	P.O. Box 1240	Graham	TX	76450	11/19/2018
BOPCO, LP	6401 Holiday Hill Rd, Bldg 5, Ste. 200	Midland	TX	79707	11/19/2018
Cactus Operating Company, LLC	P.O. Box 98	Lovington	NM	88260	11/19/2018
Chesapeake Operating, Inc.	P.O. Box 18496	Oklahoma City	OK	73154-0496	11/19/2018
Chevron USA Inc.	1400 Smith Street	Houston	TX	77002	11/19/2018
Chevron USA Inc.	6301 Deauville Blvd	Midland	TX	79706	3/20/2018
CTV OG NM LLC	201 Main Street, Ste 2700	Fort Worth	TX	76102	11/19/2018
Devon Energy Production Company, LP	6488 Seven Rivers Hwy.	Artesia	NM	88210	11/19/2018
EOG Resources Inc.	104 S. 4th Street	Artesia	NM	88210	3/20/2018
EOG Y Resources, Inc.	104 S. 4th Street	Artesia	NM	88210	11/19/2018
Federal Abstract Co.	P.O. Box 2288	Santa Fe	NM	87504-2288	11/19/2018
Keystone OG NM LLC	201 Main Street, Suite 2700	Fort Worth	TX	76102	3/20/2018
LMBI OG NM LLC	201 Main Street, Suite 2700	Fort Worth	TX	76102	3/20/2018
Meridian Oil Inc.	P.O. Box 51810	Midland	TX	79710	11/19/2018
Occidental Permian LP	5 Greenway Plaza, Suite 110	Houston	TX	77046	11/19/2018
OXY USA Inc.	P.O. Box 27570	Houston	TX	77227-7570	11/19/2018
Petrogulf Energy Co.	518 17th Street, Suite 1455	Denver	CO	80202	11/19/2018
Pogo Production Company, LLC	300 Marienfeld, Suite 600	Midland	TX	79701	11/20/2018
SRBI OG NM LLC	201 Main Street, Suite 2700	Fort Worth	TX	76102	3/20/2018
Sundance Oil Co.	1776 N Lincoln Street	Denver	CO	80203	11/19/2018
Thomas E. Jennings	P.O. Box 1797	Roswell	NM	88202	11/19/2018
V-F Petroleum	P.O. Box 1889	Midland	TX	79702	11/19/2018
V-F Petroleum Inc	P.O. Box 1889	Midland	TX	79702	3/20/2018
Yates Petroleum Corporation	105 South Fourth Street	Artesia	NM	88210	11/19/2018

Note:

- Yates Petroleum has been acquired by EOG. For the purposes of consistency, both parties have been notified of this application.
- Ambassador Oil Corp was acquired by Anadarko Petroleum Corp, according to the 2018 NADOA Mergers and Acquisitions 2018 handbook.

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Thomas E Jennings
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Roswell NM 88202-1797

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Ambassador Oil Corp.
1220 South St. Francis Dr
Santa Fe NM 87505-4225

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Amoco Production
200 Amoco Court
Farmington NM 87401-1010

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Bass Enterprises Production Company
201 Main Street
Fort Worth TX 76102-3187

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Bettis Boyle & Stovall, Inc.
P.O. Box 1240
Graham TX 76450-1240

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BOPCO, LP
6401 Holiday Hill Rd. Bldg 5, Suite 200
Midland TX 79707-2156

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Cactus Operating Company, LLC
P.O. Box 98
Lovington NM 88260-0098

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Chesapeake Operating, LLC
P.O. Box 18496
Oklahoma City OK 73154-0496

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1400 Smith Street
Houston TX 77002-7327

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EOG Y Resources, Inc.
104 S. 4th Street
Artesia NM 88210-2123

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P.O. Box 2288
Santa Fe NM 87504-2288

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Meridian Oil Inc.
P.O. Box 51810
Midland TX 79710-1810

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New Mexico BLM
620 E. Greene St.
Carlsbad NM 88220-6292

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NMOCD District 2
811 S. First St.
Artesia NM 88210-2834

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OXY USA Inc.
P.O. Box 27570
Houston TX 77227-7570

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Petrogulf Energy Company
518 17th Street, Suite 1455
Denver CO 80202-4115

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Pogo Production Company, LLC
3000 Marienfeld Suite 600
Midland TX 79701

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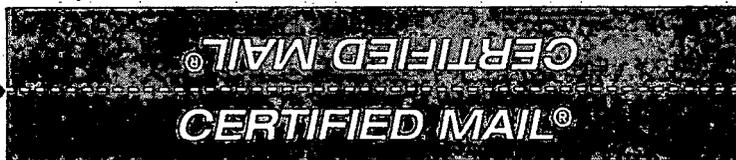
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V-F Petroleum
P.O. Box 1889
Midland TX 79702-1889

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Yates Petroleum Corporation
105 S. Fourth Street
Artesia NM 88210-2177

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Chevron USA Inc.
6301 Deauville
Midland TX 79706-2964

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104 S. 4th Street
Artesia NM 88210-2123

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201 Main Street, Suite 2700
Fort Worth TX 76102-3131

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SRBI Oil & Gas New Mexico, LLC
201 Main Street, Suite 2700
Fort Worth TX 76102-3131

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V-F Petroleum
P.O. Box 1889
Midland TX 79702-1889

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