

DATE IN 2/2/2015	SUSPENSE	ENGINEER PRG	LOGGED IN 2/13/2015	TYPE SUD	APP NO. DPM 1504443291
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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 \_\_\_\_\_

- SUD 1538  
 - Owl SUD opening LL  
 308339  
 well  
 - Kiehn SUD #1  
 30-025-42341  
 pool  
 - SWD, Devonian -  
 Montoya Sil  
 97803

[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.

Billy E. Prichard

Print or Type Name

*Billy E. Prichard*

Signature

Agent for OWL SWD

Title

2/6/15

Date

billy@pwllc.net

e-mail Address



Pueblo West Resources  
125 Greathouse Village  
Decatur, Texas 76234  
432-934-7680

February 6, 2015

Per the rules and regulations of the New Mexico Oil Conservation Division please find enclosed a copy of NMOCD form C108

OWL SWD Operating, L.L.C., 8214 Westchester Drive, Suite 850, Dallas, TX 75225 has filed form C108(Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the drilling and conversion to commercial Devonian/Silurian salt water disposal the Kiehne SWD # 1, Located 660 FNL X 1980 FWL, Unit Letter C, Section 21, T26S, R33E, Lea County, New Mexico. The disposal interval would be the Devonian/Silurian formation thru open hole approximately 17400 - 18900 feet. Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated disposal rate 5000 BWPD with a maximum disposal rate of 20000 BWPD. Anticipated disposal pressure of 0(Zero) psi with a maximum disposal pressure of 3480psi. Well is located approximately 12 miles SW of Jal , New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Billy Prichard 432-934-7680

Sincerely

Billy(Bill) E. Prichard  
email; [billy@pwllc.net](mailto:billy@pwllc.net)  
[www.pwllc.net](http://www.pwllc.net)

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**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance X Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval? X Yes \_\_\_\_\_ No
- II. OPERATOR: ***Owl SWD Operating, L.L.C.*** ***Ogrid # 308339***  
ADDRESS: ***8214 Westchester Drive Suite 850 Dallas, TX 75225***  
CONTACT PARTY: ***Billy E. Prichard billy@pwllc.net*** PHONE: ***432-934-7680***
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? X Yes \_\_\_\_\_ No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: ***Billy E. Prichard***

TITLE: ***Agent for Owl SWD Operating, L.L.C.***

SIGNATURE: \_\_\_\_\_

DATE: *2/6/15*

E-MAIL ADDRESS: ***billy@pwllc.net***

- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.  
Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico  
*C108 (Application for Authorization to Inject)***

**I.**

**The purpose of this application is to drill and equip the Kiehne SWD # 1 as commercial Devonian/Silurian salt water disposal well. NMOCD form C101 and C102 has been filed with NMOCD District 1 and approved. This application qualifies for administrative approval.**

**II.**

**Operator: Owl SWD Operating, L.L.C. Ogrid # 308339  
Address: 8214 Westchester Drive Suite 850 Dallas, TX 75225  
Contact Party: Billy E. Prichard Phone 432-934-7680**

**III.**

**Please see Exhibit "A" for well data.**

**IV.**

**This is not an expansion of an existing project.**

**V.**

**Please see Exhibit "B" for map of Area of Review.**

**VI.**

**Please see Exhibit "C" for off set well data.**

**VII.**

- 1. Anticipated disposal rate of 5000 BWPD with a maximum disposal rate of 20000 BWPD.**
- 2. The system will be open.**
- 3. Anticipated disposal pressure is 0(Zero) psi with a maximum estimated disposal pressure of 3480 psi.**
- 4. Disposed fluid will be piped or trucked in from producing wells in the immediate area.**
- 5. Please see Exhibit "D" for Devonian produced water analysis and possible disposed fluid**

**VIII.**

**The proposed disposal interval is Devonian/Silurian a cherty fracture limestone and dolomite estimated 17400'-18900'. Above the Devonian/Silurian is the Woodford Shale and below the Devonian/Silurian is the Montoya**

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico  
*C108(Application for Authorization to Inject)***

**IX.**

**Stimulation will be developed from open hole log analysis and injection rates**

**X.**

**Logs and completion data will be submitted when complete**

**XI.**

**One fresh water well was identified in the AOR.  
See Exhibit "E" for fresh water analysis**

**XII.**

**Available geological and engineering data have been examined and no evidence of open faults or hydrological connection between the disposal zone and any underground sources of drinking water has been found.**

**XIII.**

**Please see Exhibit "F" for Proof of Notice and publication.**

**Billy E. Prichard**

**Agent for OWL SWD Operating, L.L.C.**

**Date**

*2/6/15*

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**State of New Mexico**  
**Energy Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
Revised July 18, 2013

**HOBBES**

☒ AMENDED REPORT

**JAN 26 2015**

**RECEIVED**

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address <b>OWL SWD Operating, LLC.</b> <b>8214 Westchester Drive</b> <b>Suite 850</b> <b>Dallas, TX 75225</b>	<sup>2</sup> OGRID Number <b>308339</b> <sup>3</sup> API Number <b>30-025-42341</b>
<sup>4</sup> Property Code <b>313489</b>	<sup>5</sup> Property Name <b>Kiehne SWD</b> <sup>6</sup> Well No. <b>001</b>

**<sup>7</sup> Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	21	26S	33E		660	North	1980	West	Lea

**<sup>8</sup> Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**<sup>9</sup> Pool Information**

Pool Name	Pool Code
SWD; Devonian-Silurian	97869

**Additional Well Information**

<sup>11</sup> Work Type <b>N</b>	<sup>12</sup> Well Type <b>S</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type <b>P</b>	<sup>15</sup> Ground Level Elevation <b>3281'</b>
<sup>16</sup> Multiple <b>N</b>	<sup>17</sup> Proposed Depth <b>18900</b>	<sup>18</sup> Formation <b>Montoya</b>	<sup>19</sup> Contractor <b>Unknown</b>	<sup>20</sup> Spud Date <b>ASAP</b>
Depth to Ground water <b>120'</b>		Distance from nearest fresh water well <b>1040'</b>		Distance to nearest surface water <b>1 mile +</b>

☒ We will be using a closed-loop system in lieu of lined pits

**<sup>21</sup> Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	26	20	94	920	1500	Surface
Int 1	17 1/2	13 3/8	72	4900	2500	Surface
Int 2	12 1/4	9 5/8	53.5	13200	3000	Surface

**Casing/Cement Program: Additional Comments**

See enclosures for additional casing, cement data, Drilling Fluid Program

**<sup>22</sup> Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/ Blinds, Pipe	<b>5000</b>	<b>5000</b>	Cameron/

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

Printed name: Billy E. Prichard

Title: Agent for OWL SWD Operating

E-mail Address: billy@pwlle.net

Date:

**1/14/15**

Phone: 432-934-7680

OIL CONSERVATION DIVISION

Approved By:

Title: **Petroleum Engineer**

Approved Date:

**01/28/15**

Expiration Date:

Conditions of Approval Attached

Exhibit "A"

**JAN 29 2015**

OIL CONSERVATION DIVISION  
CONDITION OF APPROVAL - Approval for drilling / workover **ONLY - CANNOT INJECT OR DISPOSAL** until the injection/disposal order has been approved by the OCD Santa Fe office.

**OWL SWD Operating, L.L.C.**

**Kichne SWD # 1**

**<sup>21</sup> Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Liner 1	8 3/8	7 5/8	47	12900-16800	500	12900
Liner 2	6	5 1/2	20	16500-17400	200	16500
OH	4 1/2			17400-18900		

**<sup>22</sup> Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/ Blinds, Pipe	5000	5000	Cameron/Schaffer

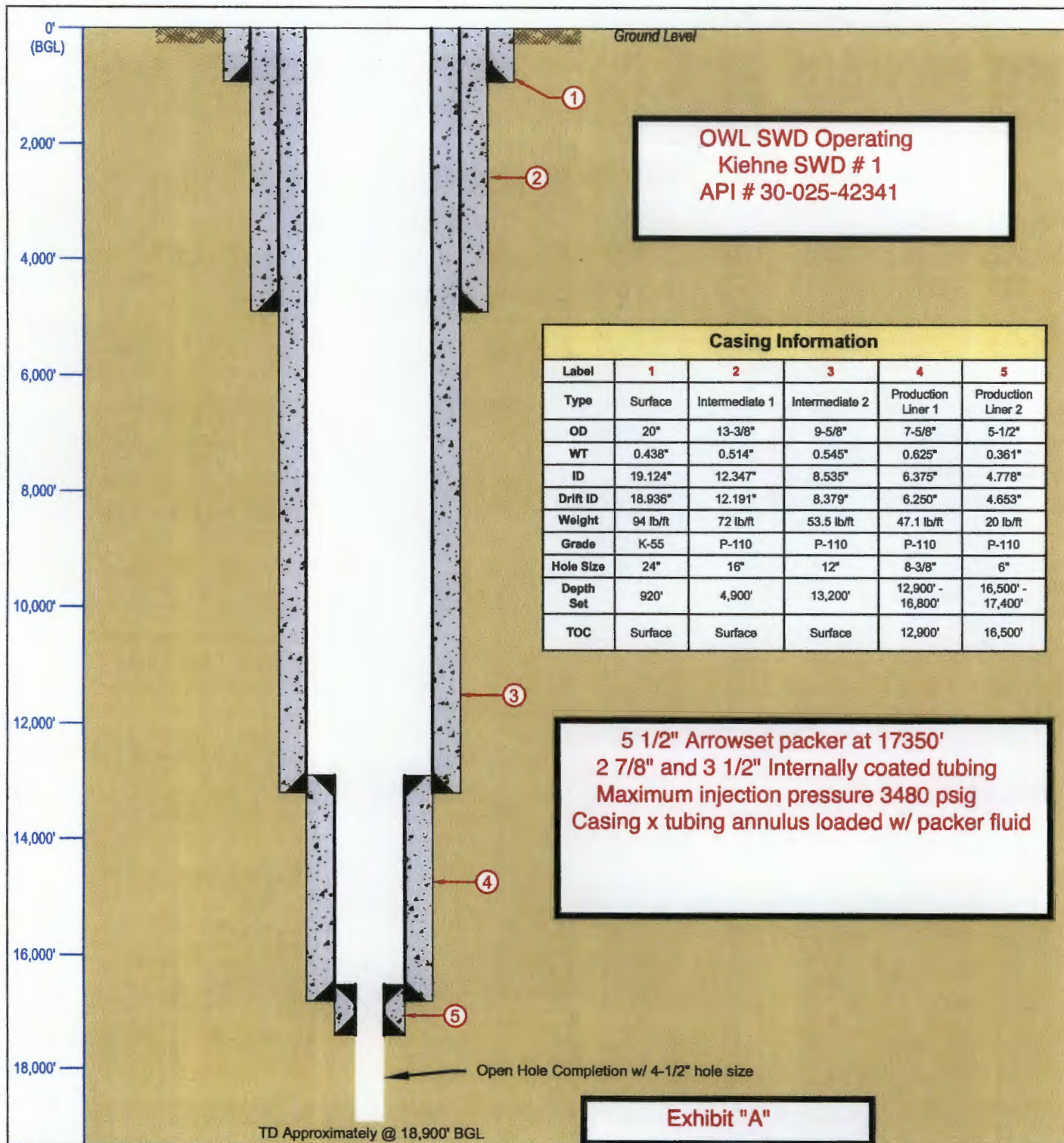
**Above BOP will be used until 9 5/8" casing is set and cemented  
10000 psi equipment will be installed prior to drilling  
8 3/8" hole**

**No H2S is expected. H2S monitoring equipment and safety  
equipment will be in service after setting of 13 3/8" casing**

**C102 Previously submitted**

**Exhibit "A"**



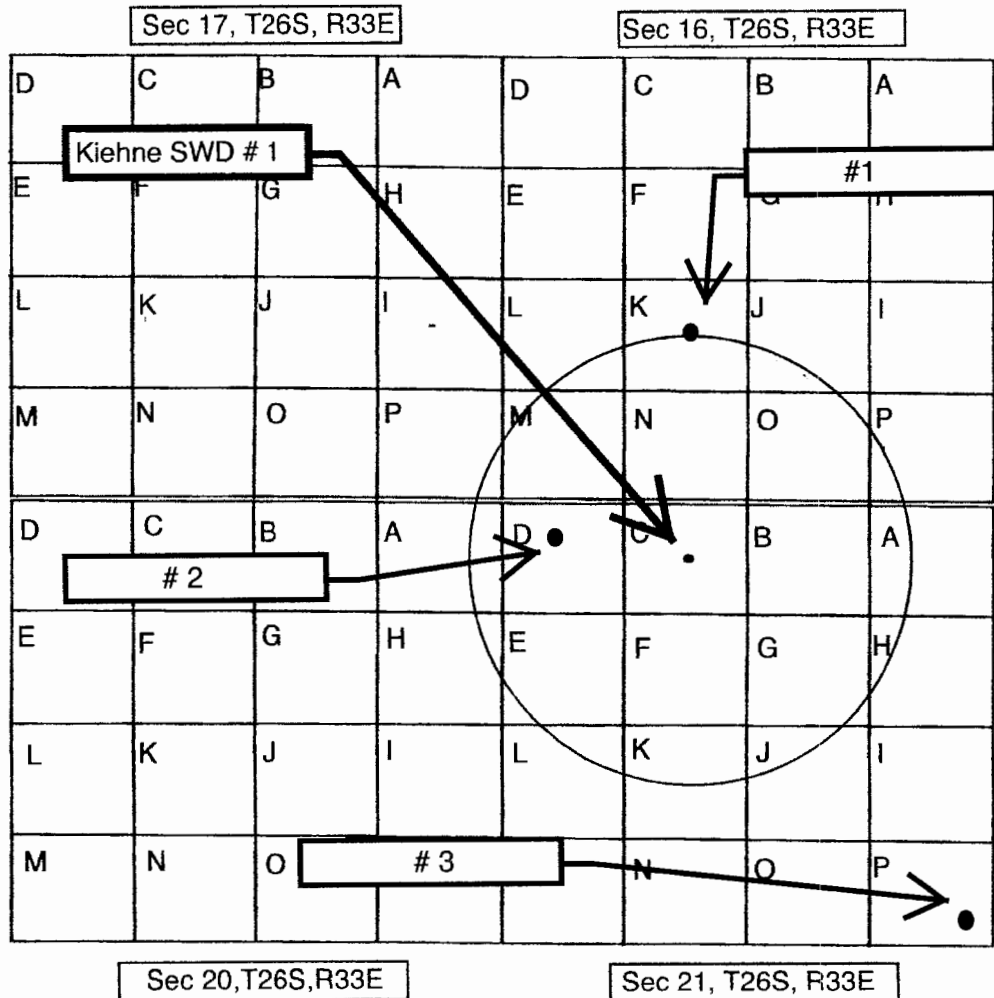


<div>LONQUIST</div> <div>FIELD SERVICE</div> <div>AUSTIN HOUSTON WICHITA CALGARY</div>	OWL SWD Operating, Inc		Kiehne Battle Axe - REVISED	
	Country: USA	State/Province: New Mexico	County/Parish:	
	Survey/STR:	Site:	Status: To Be Drilled	
	API No.:	Field:	Ground Elevation:	
	Texas License F-8652	State ID No.:	Project No:	Date: 01/16/2015
3345 Bee Cave Road, Suite 201 Austin, Texas 78746 Tel: 512.732.9812 Fax: 512.732.9816	Drawn: MMC	Reviewed: SLP	Approved: SLP	
	Rev No: 1	Notes:		





OWL SWD Operating, L.L.C.  
 Kiehne SWD # 1  
 API # 30-025-42341  
 660 FNL x 1980 FWL  
 UL "C". Section 21, T26S, R33E  
 Lea County, NM  
 Offset Wells



# 1 - 30-025-21971 TD 5140 feet Stratigraphic Test  
 NMOCD no plugging records..

# 2 - 30-025-42095 NMOCD no records of spud...If well is drilled it would  
 not penetrate the proposed disposal zones

#3 - 30-025-41667 The surface location is outside of 0.5 mile area of  
 review. TD of horizontal lateral in Unit Letter "A" Does not penetrate the  
 proposed disposal zone

Exhibit "C"

**Mewbourne Oil Company**

*Unit Letter "D", Section 21, T26S, R33E*

*Lea County, New Mexico*

175 FNL X 500 FWL

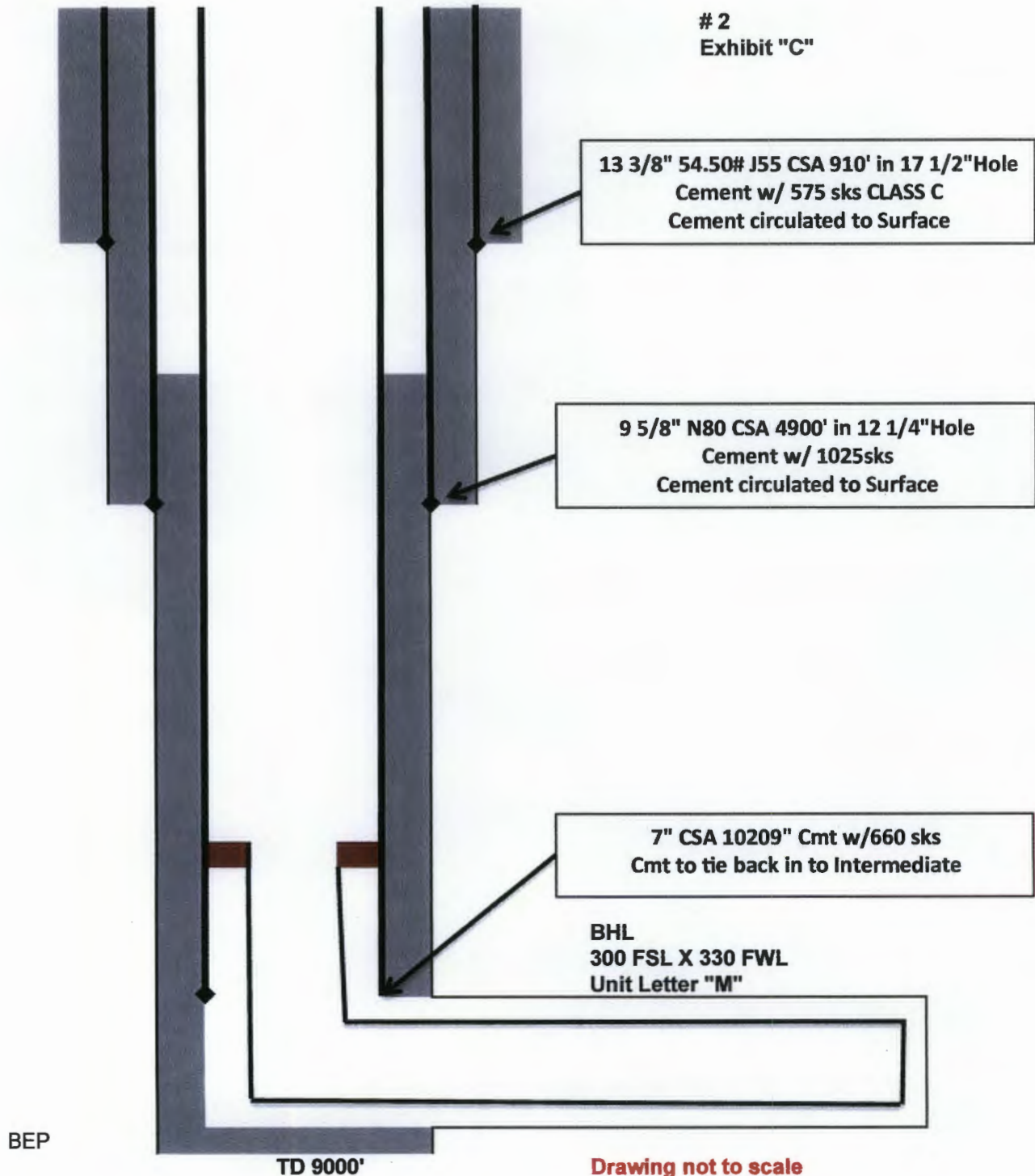
**El Mar 21 A3DM Federal Com # 1H**

Not drilled

AS Permitted

# 2

Exhibit "C"



**Drawing not to scale**

[www.pwllc.net](http://www.pwllc.net)

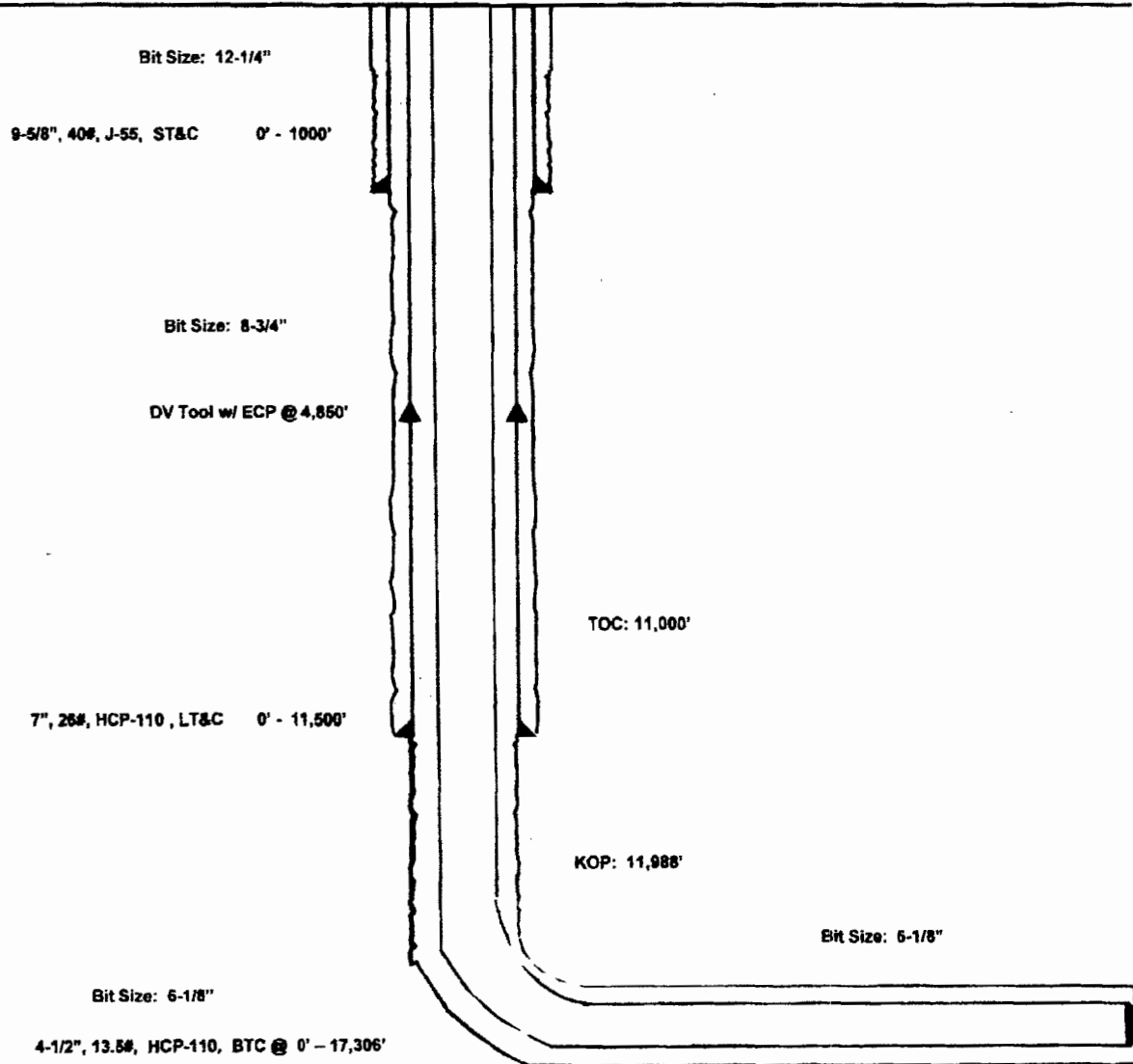
# 3 - No record of spud, If drilled spud in Unit Letter "P"  
TD in Unit Letter "A"..Outside of 0.5 mile AOR  
Exhibit "C"

Thor 21 #701H

230' FSL  
380' FEL  
Section 21  
T-26-S, R-33-E

Lea County, New Mexico  
Proposed Wellbore  
Revised 12/3/14  
API: 30-025-41667

KB: 3,277'  
GL: 3,252'



Lateral: 17,306' MD, 12,500' TVD

BH Location: 230' FNL & 380' FEL  
Section 21  
T-26-S, R-33-E



# Mobile Analytical Laboratories, Inc.

LABORATORIES IN ODESSA, GIDDINGS & STACY DAM

Billing Address: P.O. BOX 08210 • ODESSA, TEXAS 79709-0210

Shipping Address: 2800 WESTOVER STREET • ODESSA, TEXAS 79704

PHONE (432) 337-4744

FAX (432) 337-8781

MR. PAUL CORRALES

BOG RESOURCES

P.O. BOX 1331

JAL, NEW MEXICO 88252

SAMPLE SOURCE: ENDURANCE 35 STATE COM #1-H

ANALYSIS COMPLETED: 05-05-2011

SAMPLE RECEIVED: 05-04-2011

LAB NUMBER: 8457

## DISSOLVED SOLIDS:

CATIONS:	MEQ/L	mg/L
SODIUM ( Na+ )	3188.55	73337
CALCIUM ( Ca++ )	468.00	9360
MAGNESIUM ( Mg++ )	72.00	878

## ANIONS:

CHLORIDE ( Cl- )	3684.00	130782
SULFATE ( SO4= )	27.65	1327
CARBONATE ( CO3= )	0.00	0
BICARBONATE ( HCO3- )	16.90	1031
HYDROXIDE ( OH- )	0.00	0

TOTAL DISSOLVED SOLIDS:

216715

## OTHER PROPERTIES:

pH	5.91
SPEC. GRAV.	1.13
CONDUCTIVITY	407500 $\mu$ MHOS/CM
@ 77 °F	
H2S	0 mg/L
CO2	493 mg/L
IRON	38.00 mg/L

P-ALKALINITY (AS CaCO3)	0 mg/L
M-ALKALINITY (AS CaCO3)	845 mg/L
CALCIUM HARDNESS (AS CaCO3)	23400 mg/L
MAGNESIUM HARDNESS (AS CaCO3)	3600 mg/L
TOTAL HARDNESS (AS CaCO3)	27000 mg/L

API # 30-025-39744

Bone Springs  
Exhibit "D"

Owl SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico

Produced Water

Data obtained from Go-Tech

API	Formation	TDS	Chorides
3002533574	Bone Spring	No Data	167962
3002511950	Devonian	31931	20450
3001527248	Delaware	No Data	189957
3002520261	Bone Spring	204652	130000
3002508182	Delaware	308600	No Data
3001502520	Morrow	102849	No Data
3002520444	Atoka	51475	31000

Exhibit "D"

BEP

[www.pwllc.net](http://www.pwllc.net)



# Chem Tech Services

## WATER ANALYSIS REPORT

### SAMPL

Oil Co. : **Owl**  
 Lease : **Battel Axe Ranch**  
 Well No.: **Water Well**  
 Location:  
 Attention:

Date Sampled : **12-December-2014**  
 Date Analyzed: **31-December-2014**  
 Lab ID Number: **Dec3114.001- 9**  
 Salesperson :  
 File Name : **Dec3114.001**

### ANALYSIS

1. Ph 7.990
2. Specific Gravity 60/60 F. .973
3. CaCO3 Saturation Index @ 80F
- @140F

1.261 **Severe**  
 1.861 **Severe**

#### Dissolved Gasses

4. Hydrogen Sulfide Not Present
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

MG/L.      EQ. WT.      \*MEQ/L

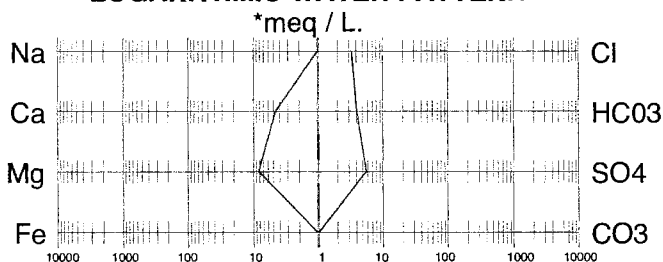
#### Cations

- |     |           |                    |         |          |      |
|-----|-----------|--------------------|---------|----------|------|
| 7.  | Calcium   | (Ca++)             | 89      | / 20.1 = | 4.43 |
| 8.  | Magnesium | (Mg++)             | 97      | / 12.2 = | 7.95 |
| 9.  | Sodium    | (Na+) (Calculated) | 0       | / 23.0 = | 0.00 |
| 10. | Barium    | (Ba++)             | Below10 |          |      |

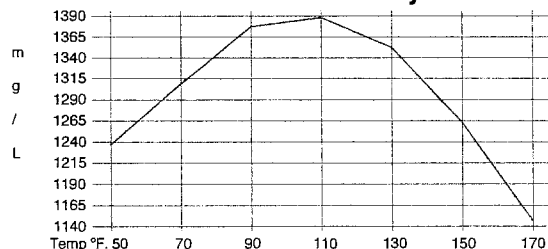
#### Anions

- |     |                                  |         |                |              |      |
|-----|----------------------------------|---------|----------------|--------------|------|
| 11. | Hydroxyl                         | (OH-)   | 0              | / 17.0 =     | 0.00 |
| 12. | Carbonate                        | (CO3=)  | 0              | / 30.0 =     | 0.00 |
| 13. | Bicarbonate                      | (HCO3-) | 234            | / 61.1 =     | 3.83 |
| 14. | Sulfate                          | (SO4=)  | 260            | / 48.8 =     | 5.33 |
| 15. | Chloride                         | (Cl-)   | 112            | / 35.5 =     | 3.15 |
| 16. | Total Dissolved Solids           |         | 792            |              |      |
| 17. | Total Iron                       | (Fe)    | 1.50           | / 18.2 =     | 0.08 |
| 18. | Manganese                        | (Mn++)  | Not Determined |              |      |
| 19. | Total Hardness as CaCO3          |         | 621            |              |      |
| 20. | Resistivity @ 75 F. (Calculated) |         | 2.766          | Ohm · meters |      |

#### LOGARITHMIC WATER PATTERN



#### Calcium Sulfate Solubility Profile



#### PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	3.83		81.04		310
CaSO4	0.60		68.07		41
CaCl2	0.00		55.50		0
Mg(HCO3)2	0.00		73.17		0
MgSO4	4.73		60.19		285
MgCl2	3.22		47.62		153
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	-0.07		58.46		-4

\* milliequivalents per Liter

Tony Abernathy, Analyst

Exhibit "E"

### **Legal Notice**

OWL SWD Operating, L.L.C., 8214 Westchester Drive, Suite 850, Dallas, TX 75225 has filed form C108(Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the drilling and conversion to commercial Devonian/Silurian salt water disposal the Kiehne SWD # 1, Located 660 FNL X 1980 FWL, Unit Letter C, Section 21, T26S, R33E, Lea County, New Mexico. The disposal interval would be the Devonian/Silurian formation thru open hole approximately 17400 - 18900 feet. Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated disposal rate 5000 BWPD with a maximum disposal rate of 20000 BWPD. Anticipated disposal pressure of 0(Zero) psi with a maximum disposal pressure of 3480psi. Well is located approximately 12 miles SW of Jal, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Billy Prichard 432-934-7680

### **Exhibit "F"**

**LEGAL NOTICE**  
**February 6, 2015**

OWL SWD Operating, L.L.C., 8214 Westchester Drive, Suite 850, Dallas, TX 75225 has filed form C108(Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the drilling and conversion to commercial Devonian/Silurian salt water disposal the Kiehne SWD # 1, Located 660 FNL X 1980 FWL, Unit Letter C, Section 21, T26S, R33E, Lea County, New Mexico. The disposal interval would be the Devonian/Silurian formation thru open hole approximately 17400 - 18900 feet. Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated disposal rate 5000 BWPB with a maximum disposal rate of 20000 BWPB. Anticipated disposal pressure of 0(Zero) psi with a maximum disposal pressure of 3480psi. Well is located approximately 12 miles SW of Jal, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Billy Prichard 432-934-7680.  
#29758

Exhibit "F"

OWL SWD Operating, L.L.C.  
API # 30-025-42341  
660 FNL x 1980 FWL  
UL "C". Section 21, T26S, R33E  
Lea County, New Mexico

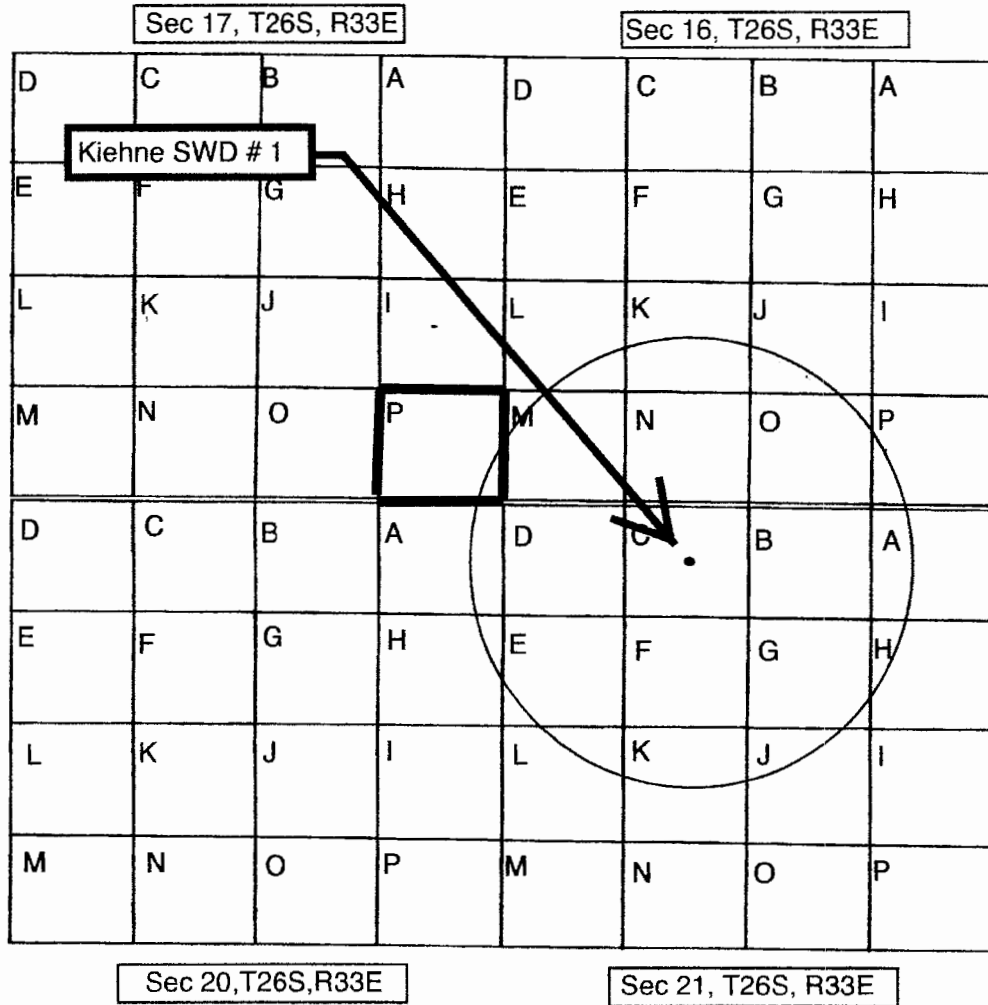


Exhibit "F 1"

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 1"**

***Section 17, T26S, R33E  
Unit Letters P***

**Mineral Owner**

**State of New Mexico – New Mexico State Land Office  
PO Box 1148  
Santa Fe, NM 87504**

**Leasehold Owner**

**Peregrine Production, L.L.C.  
PO Box 1844  
Midland, TX 79702**

**Endeavor Energy Resources, LP  
110 N. Marienfeld, Suite 200  
Midland, TX 79701**

**Bradley S. Bates  
101 Blackberry Ct.  
Midland, TX 79705**

**Castello Enterprises, Inc  
PO Box 8426  
Midland, TX 79701**

**WBA Resources, Ltd  
110 W. Louisiana, Suite 300  
Midland, TX 79701**

**Newkumet Exploration, Inc  
PO Box 11330  
Midland, TX 79702**

**Sagebrush Interest, L.L.C.  
2450 Fondren, Suite 112  
Houston, TX 77063**

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 1"**

***Section 17, T26S, R33E  
Unit Letters P***

**Mineral Owner**

**State of New Mexico – New Mexico State Land Office  
PO Box 1148  
Santa Fe, NM 87504**

**Leasehold Owner**

**RSC Resources, LP  
6824 Island Circle  
Midland, TX 79707**



OWL SWD Operating, L.L.C.  
API # 30-025-42341  
660 FNL x 1980 FWL  
UL"C". Section 21, T26S, R33E  
Lea County, New Mexico

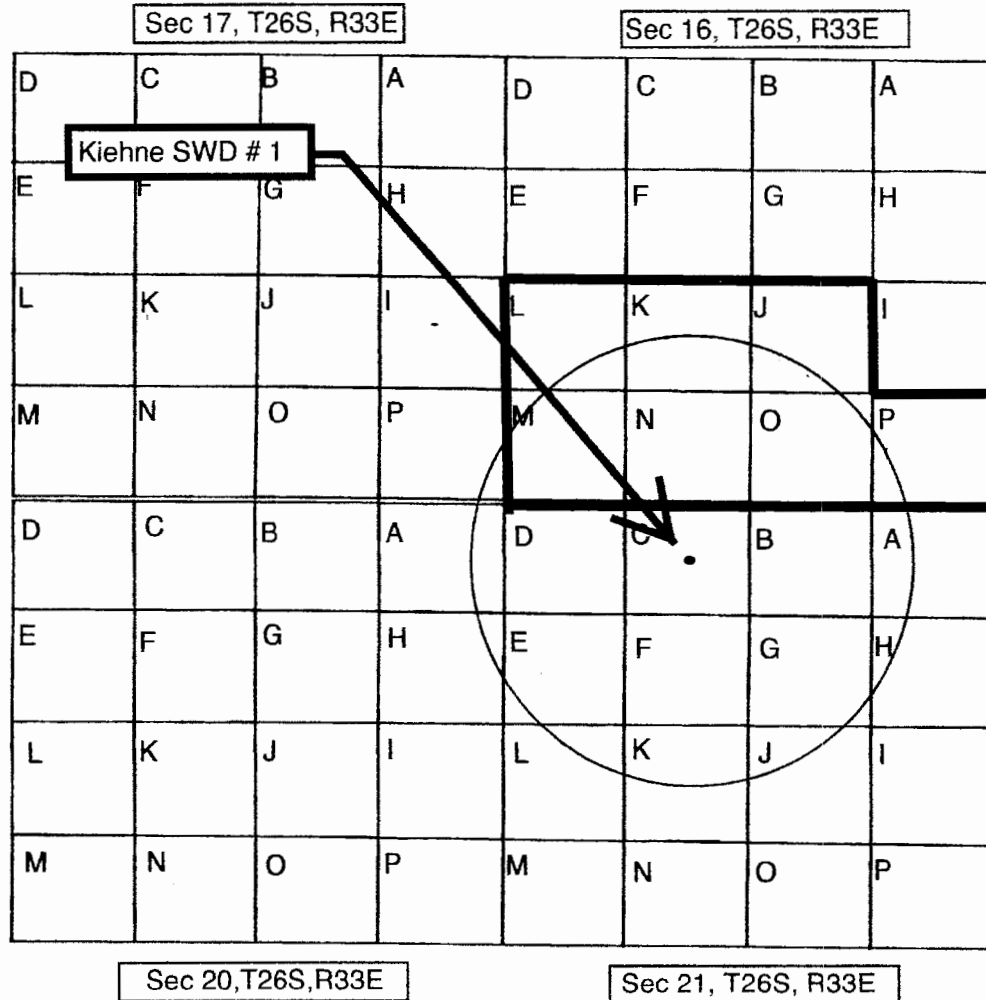


Exhibit "F 2"

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 2"**

***Section 16, T26S, R33E  
Unit Letters J,K,L,M,N,O,P***

**Mineral Owner**

**State of New Mexico – New Mexico State Land Office  
PO Box 1148  
Santa Fe, NM 87504**

**Leasehold Owner**

**Geodyne Energy Income Production Partnership I-E  
Samson Plaza  
2 West Second Street  
Tulsa, OK 74103**

**Samson Resources Company  
Samson Plaza  
2 West Second Street  
Tulsa, OK 74103**

**Geodyne Resources, Inc  
Samson Plaza  
2 West Second Street  
Tulsa, OK 74103**

**Coyote Oil and Gas, L.L.C  
PO Box 1708  
Hobbs, NM 88241**

**Khody Land & Mineral Company  
210 Park Avenue, Suite 900  
Oklahoma City, OK 73102**

OWL SWD Operating, L.L.C.  
API # 30-025-42341  
660 FNL x 1980 FWL  
UL "C". Section 21, T26S, R33E  
Lea County, New Mexico

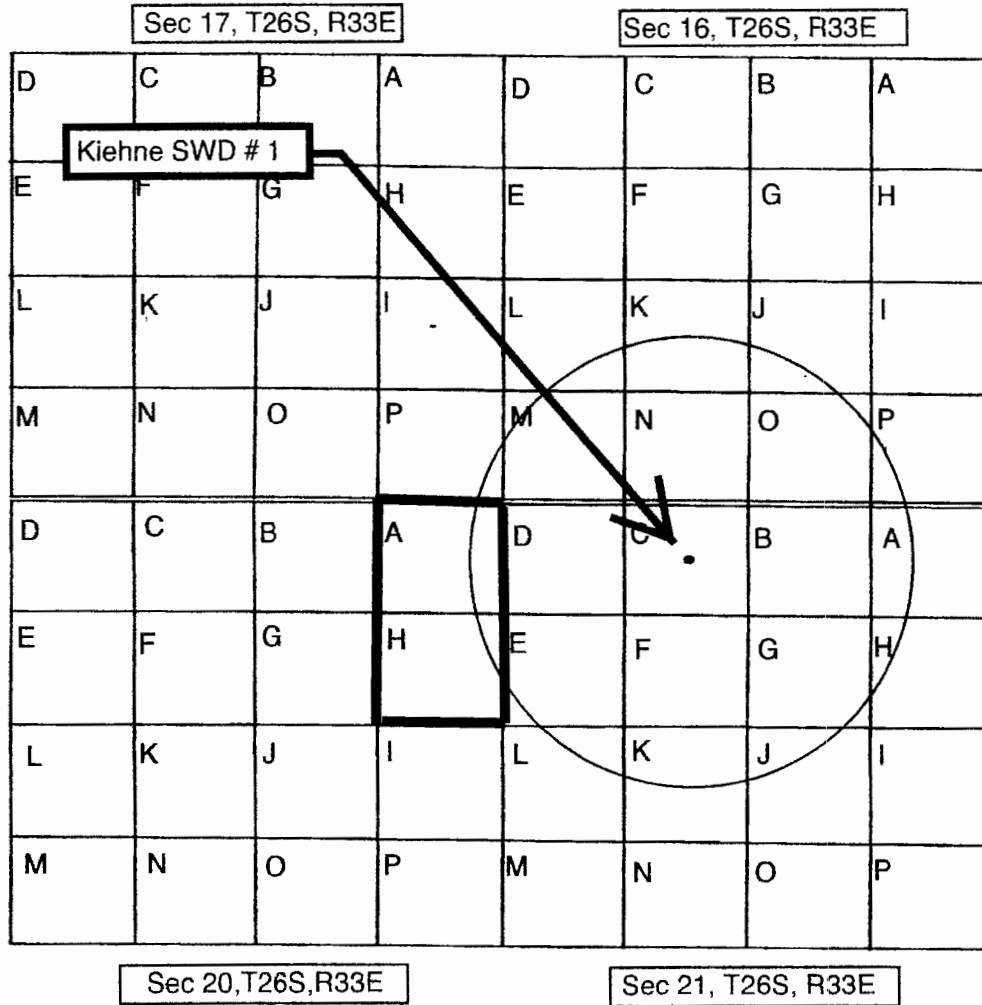


Exhibit "F 3"

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 3"**

***Section 20, T26S, R33E  
Unit Letters A, H***

**Mineral Owner  
United State of America – Bureau of Land Management  
602 East Green Street  
Carlsbad, NM 88220**

**Leasehold Owner  
R&R Royalty, Ltd  
500 N. Shoreline # 322  
Corpus Christi, TX 78471**

**Isabelle Brown Hulsey  
801 Hillcrest  
Ft. Worth, TX 76107**

**Edna Brown Hibbitts  
2101 Oaklawn Drive  
Midland, TX 79705**

**Roadrunner Oil and Gas, L.L.C.  
363 N. Sam Houston Parkway East, Suite 100  
Houston, TX 77060**

OWL SWD Operating, L.L.C.  
API # 30-025-42341  
660 FNL x 1980 FWL  
UL"C". Section 21, T26S, R33E  
Lea County, New Mexico

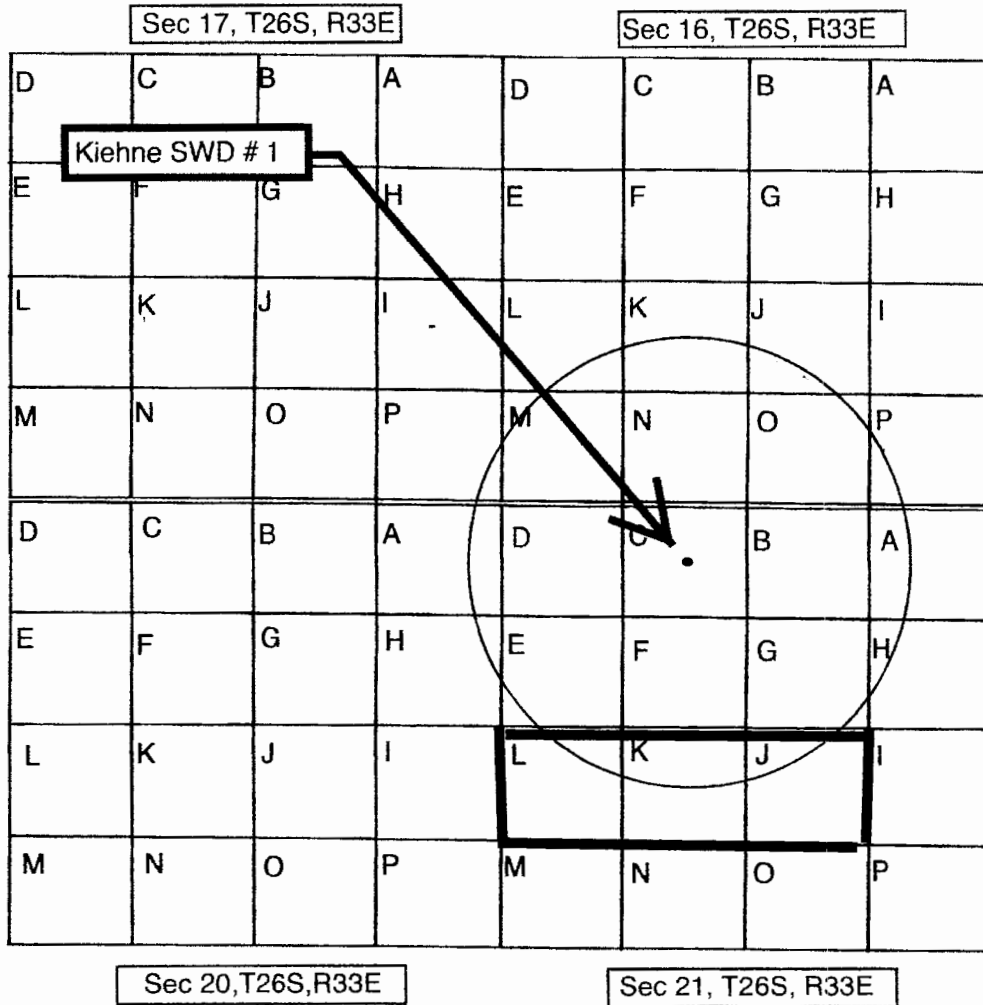


Exhibit "F 4"

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 4"**

***Section 21, T26S, R33E  
Unit Letters J,K,L***

**Mineral Owner  
United State of America – Bureau of Land Management  
602 East Green Street  
Carlsbad, NM 88220**

**Leasehold Owner  
Peregrine Production, L.L.C.  
PO Box 1844  
Midland, TX 79702**

**Transcendent Oil and Gas Properties, L.L.C.  
PO Box 9612  
Midland, TX 79708**

**EOG Resources, Inc  
4000 North Big Spring, Suite 500  
Midland, TX 70705**

**Axis Energy Corporation  
PO Box 2107  
Roswell, NM 88202**

**Mewbourne Oil Company  
PO Box 7698  
Tyler, TX 75711**



OWL SWD Operating, L.L.C.  
API # 30-025-42341  
660 FNL x 1980 FWL  
UL"C". Section 21, T26S, R33E  
Lea County, New Mexico

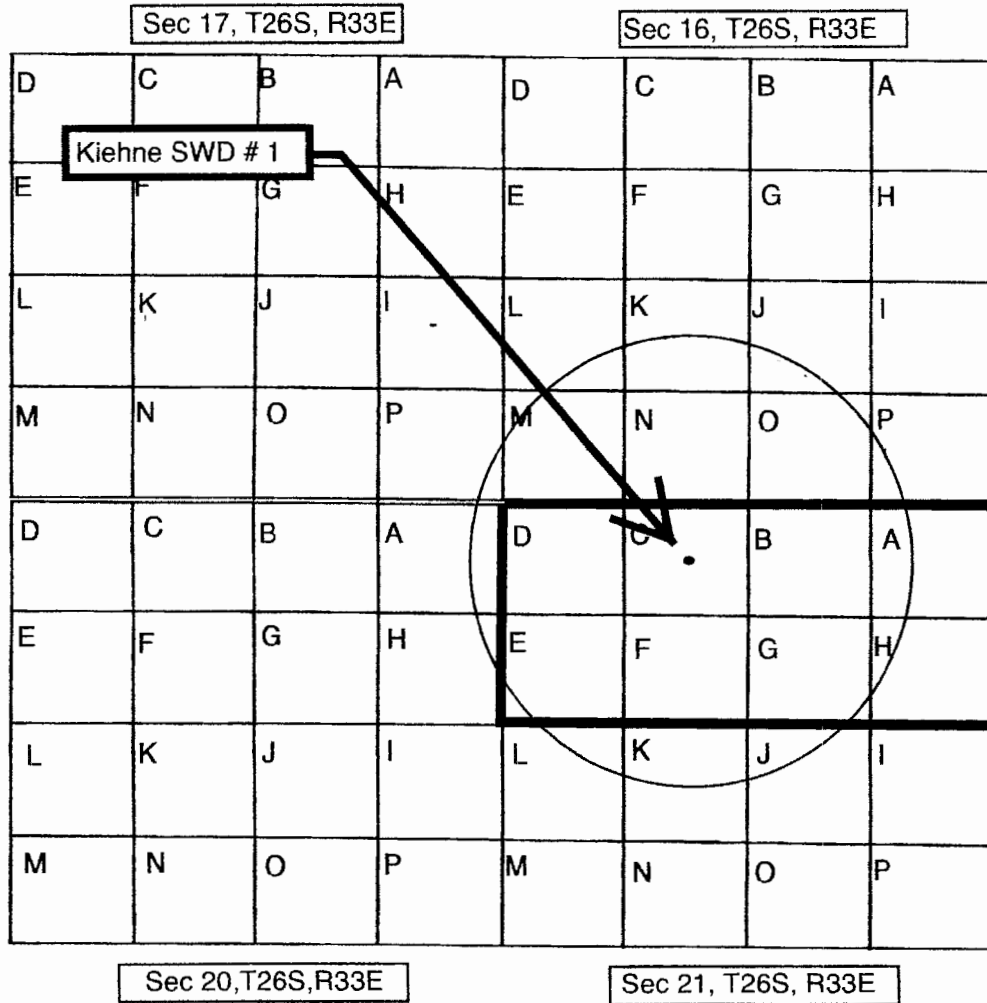


Exhibit "F 5"

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 5"**

***Section 21, T26S, R33E  
Unit Letters A,B,C,D,E,F,G,H***

**Surface Owner  
Oliver Kiehne  
PO Box 135  
Orla, TX 79770**

**Mineral Owner  
Nail Bay Royalties, L.L.C.  
PO Box 671099  
Dallas, TX 75367**

**J&F Investments, L.L.C.  
PO Box 2702  
Roswell, NM 88202**

**Oscura Resources, Inc  
PO Box 2292  
Roswell, NM 88202**

**Raymond Fort  
PO Box 65043  
Lubbock, TX 79464**

**Bennett Easterling  
PO Box 1888  
Quemado, NM 87829**

**Lance Sears Easterling  
522 Harbert St.  
Columbus, OH 78934**

**Susan Swaim  
PO Box 1014  
T or C, NM 87901**

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 5"**

***Section 21, T26S, R33E  
Unit Letters A,B,C,D,E,F,G,H***

**Mineral Owner**

**Katherine Ross Madera Sharbutt  
433 Chaco Dr.  
Alamogordo, NM 88310**

**Lela Ellen Madera  
1815 Scenic View Dr.  
Canyon Lake, TX 78133**

**Zane Kiehne  
2107 S. Cactus Street  
Pecos, TX 79772**

**Elizabeth Lucille Rectenwald  
5320 Sandywood Ct.  
Carmichael, CA 95608**

**Ross Eugene Easterling Jr.  
PO Box 771435  
Steamboat Springs, CO 80477**

**James R. Smith , et ux Kendall  
2402 Humble Ave  
Midland, TX 79705**

**William E. Hardie, et us Karen  
5803 Cranston Place  
Midland, TX 79707**

**Maner B. Shaw  
310 West Wall St. Suite 305  
Midland, TX 79701**

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 5"**

***Section 21, T26S, R33E  
Unit Letters A,B,C,D,E,F,G,H***

**Mineral Owner**

**Bill Fenn  
PO Box 1757  
Roswell, NM 88202**

**Aaron Breedyk, et ux Rachel  
PO Box 2872  
Roswell, NM 88202**

**Dorchester Mineral, LP  
3838 Oaklawn Ave, Suite 300  
Dallas, TX 75219**

**Chad Barbe, et ux Marci  
PO Box 2107  
Roswell, NM 88202**

**Debra Kay Primera  
PO Box 28504  
Austin, TX 78755**

**Ricky Raindl  
PO Box 142454  
Irving, TX 75014**

**OWL SWD Operating, L.L.C.  
Kiehne SWD # 1  
API # 30-025-42341  
660 FNL X 1980 FWL  
Unit Letter "C", Section 21, T26S, R33E  
Lea County, New Mexico**

**Exhibit "F 5"**

***Section 21, T26S, R33E  
Unit Letters A,B,C,D,E,F,G,H***

**Leasehold Owner  
Mewbourne Oil Company  
PO Box 7698  
Tyler, TX 75711**

**EOG Resources, Inc  
4000 North Big Spring St. Suite 500  
Midland, TX 79705**

7014 0150 0000 8794 3531

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Certified Fee	\$3.30
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Restricted Delivery Fee (Endorsement Required)	\$0.00

Total Postage &amp; Fees

**Geodyne Energy Income  
Production Partnership I-E  
Samson Plaza 2 West 2nd St  
Tulsa, OK 74103**

Sent To

Street, Apt. 1

or PO Box

City, State

PS Form

7014 0510 0001 4602 1253

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HOBBS NM 88240

Postage	\$ 2.03
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00

Total Postage &amp; Fees

**NMOCD  
1625 N French Drive  
Hobbs, NM 88240**

Sent To

Street, Apt. 1

or PO Box

City, State

PS Form

7014 0510 0001 4602 1048

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MIDLAND TX 79705

Postage	\$ 2.03
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00

Total Postage &amp; Fees

**EOG Resources, Inc  
4000 N Big Spring St Ste 501  
Midland, TX 79705**

Sent To

Street, Apt. 1

or PO Box

City, State

PS Form

7014 0150 0000 8794 3548

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SANTA FE NM 87504

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Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00

Total Postage &amp; Fees

**NMSLO  
PO Box 1148  
Santa Fe, NM 87504**

Sent To

Street, Apt. 1

or PO Box No

City, State, Zi

PS Form 380

7014 0510 0001 4602 1260

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CARLSBAD NM 88220

Postage	\$ 2.03
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00

Total Postage &amp; Fees

**Bureau of Land Management  
602 East Green Street  
Carlsbad, NM 88220**

Sent To

Street, Apt. 1

or PO Box No

City, State, Zi

PS Form 380

7014 0510 0001 4602 1031

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TYLER TX 75711

Postage	\$ 2.03
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00

Total Postage &amp; Fees

**Mewbourne Oil Company  
PO Box 7698  
Tyler, TX 75711**

Sent To

Street, Apt. 1

or PO Box

City, State

PS Form

Exhibit "F"



7014 0510 0001 4602 1246  
7014 0510 0001 4602 1192  
7014 0510 0001 4602 1185

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DALLAS TX 75219

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State, ZIP+4®  
**Dorchester Mineral, LP  
3838 Oaklawn Ave, Ste 300  
Dallas, TX 75219**

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MIDLAND TX 79705

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State, ZIP+4®  
**James R. Smith  
et ux Kendall  
2402 Humble Ave  
Midland, TX 79705**

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STEAMBOAT SPRINGS CO 80477

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

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Street, Apt. or PO Box  
City, State, ZIP+4®  
**Ross Eugene Easterling Jr.  
PO Box 771435  
Steamboat Springs, CO 80477**

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ROSWELL NM 88202

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State, ZIP+4®  
**Chad Barbe, et ux Marci  
PO Box 2107  
Roswell, NM 88202**

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MIDLAND TX 79707

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State, ZIP+4®  
**William E. Hardie,  
et ux Karen  
5803 Cranston Place  
Midland, TX 79707**

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CARMICHAEL CA 95608

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State, ZIP+4®  
**Elizabeth Lucille Rectenwal  
5320 Sandywood Ct.  
Carmichael, CA 95608**

Exhibit "F"

7014 1200 0000 7981 6110 7014 0510 0001 4602 1154

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QUEMADO NM 87829

Postage	\$	\$2.03	0634	
Certified Fee		\$3.30	03	
Return Receipt Fee (Endorsement Required)		\$2.70		Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00		
Total Postage & Fees	\$	\$8.03	02/10/2015	

Sent To  
Bennett Easterling  
PO Box 1888  
Quemado, NM 87829

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ORLA TX 79770

Postage	\$	\$2.03	0634	
Certified Fee		\$3.30	03	
Return Receipt Fee (Endorsement Required)		\$2.70		Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00		
Total Postage & Fees	\$	\$8.03	02/10/2015	

Sent To  
Oliver Kiehne  
PO Box 135  
Orla, TX 79770

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MIDLAND TX 79702

Postage	\$	\$2.03	0634	
Certified Fee		\$3.30	03	
Return Receipt Fee (Endorsement Required)		\$2.70		Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00		
Total Postage & Fees	\$	\$8.03	02/10/2015	

Sent To  
Newkumet Exploration, Inc  
PO Box 11330  
Midland, TX 79702

PS Form 3800 Instructions

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PECOS TX 79772

Postage	\$	\$2.03	0634	
Certified Fee		\$3.30	03	
Return Receipt Fee (Endorsement Required)		\$2.70		Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00		
Total Postage & Fees	\$	\$8.03	02/10/2015	

Sent To  
Zane Kiehne  
2107 S. Cactus Street  
Pecos, TX 79772

PS Form 3800 Instructions

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ROSWELL NM 88202

Postage	\$	\$2.03	0634	
Certified Fee		\$3.30	03	
Return Receipt Fee (Endorsement Required)		\$2.70		Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00		
Total Postage & Fees	\$	\$8.03	02/10/2015	

Sent To  
Aaron Breedyk,  
et ux Rachel  
PO Box 2872  
Roswell, NM 88202

PS Form 3800 Instructions

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HOUSTON TX 77063

Postage	\$	\$2.03	0634	
Certified Fee		\$3.30	03	
Return Receipt Fee (Endorsement Required)		\$2.70		Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00		
Total Postage & Fees	\$	\$8.03	02/10/2015	

Sent To  
Sagebrush Interest, L.L.C.  
2450 Fondren, Suite 112  
Houston, TX 77063

PS Form 3800 Instructions

Exhibit "F"

7014 0510 0001 4602 1215  
7014 0510 0001 4602 1222  
7014 0510 0001 4602 1258  
7014 1200 0000 7981 6134

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MIDLAND TX 79701

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark
Restricted Delivery Fee (Endorsement Required)	\$0.00	FEB 10 2015
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
**Maner B. Shaw**  
310 West Wall St. Suite 305  
Midland, TX 79701

PS Form 3800, August 2006

# U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

ROSWell NM 88202

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark
Restricted Delivery Fee (Endorsement Required)	\$0.00	FEB 10 2015
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
**Bill Fenn**  
PO Box 1757  
Roswell, NM 88202

PS Form 3800, August 2006

# U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

ALAMOGORDO NM 88310

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark
Restricted Delivery Fee (Endorsement Required)	\$0.00	FEB 10 2015
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
**Katherine Madera Sharbutt**  
433 Chaco Dr.  
Alamogordo, NM 88310

PS Form 3800, August 2006

# U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79707

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark
Restricted Delivery Fee (Endorsement Required)	\$0.00	FEB 10 2015
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
**RSC Resources, Inc.**  
6824 Island Circle  
Midland, TX 79707

PS Form 3800, August 2006

# U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79701

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark
Restricted Delivery Fee (Endorsement Required)	\$0.00	FEB 10 2015
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
**WBA Resources, Ltd**  
110 W. Louisiana, Suite 300  
Midland, TX 79701

PS Form 3800, August 2006

# U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

COLUMBUS TX 78934

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark
Restricted Delivery Fee (Endorsement Required)	\$0.00	FEB 10 2015
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
**Lance Sears Easterling**  
522 Harbert St.  
Columbus, OH 78934

PS Form 3800, August 2006

Exhibit "F"

7014 1200 0000 7981 6042

**U.S. Postal Service™**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

IRVING TX 75014

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To: **Ricky Raindl**  
**PO Box 142454**  
**Irving, TX 75014**

PS Form 3800, April 2011

7014 0510 0001 4602 1130

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

ROSWELL NM 88202

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To: **Oscura Resources, Inc**  
**PO Box 2292**  
**Roswell, NM 88202**

PS Form 3800, April 2011

7014 1200 0000 7981 6035

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

AUSTIN TX 78755

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To: **DEBRA KAY PRIMERA**  
**PO BOX 28504**  
**AUSTIN TX 78755**

PS Form 3800, April 2011

7014 0510 0001 4602 1123

**U.S. Postal Service™**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

ROSWELL NM 88202

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To: **J&F Investments, L.L.C.**  
**PO Box 2702**  
**Roswell, NM 88202**

PS Form 3800, April 2011

7014 1200 0000 7981 6028

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For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79708

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To: **Transcendent Oil and Gas Properties, L.L.C.**  
**PO Box 9612**  
**Midland, TX 79708**

PS Form 3800, April 2011

7014 0510 0001 4602 1116

**U.S. Postal Service™**  
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 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

DALLAS TX 75367

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To: **Nail Bay Royalties, L.L.C.**  
**PO Box 622099**  
**Dallas, TX 75367**

PS Form 3800, April 2011

Exhibit "F"

**U.S. Postal Service™  
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(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

TRUTH OR CONSEQUENCES NM 87901

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. #  
or PO Box No.  
City, State, Z

**Susan Swain**  
**PO Box 1014**  
**T or C, NM 87901**

PS Form 380

**U.S. Postal Service™  
CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

TULSA OK 74103

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. #  
or PO Box  
City, State

**Samson Resources Company**  
**Samson Plaza**  
**2 West Second Street**  
**Tulsa, OK 74103**

PS Form 380

**U.S. Postal Service™  
CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

TULSA OK 74103

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. #  
or PO Box  
City, State

**Geodyne Resources Inc**  
**Samson Plaza**  
**2 West Second Street**  
**Tulsa, OK 74103**

PS Form 380

**U.S. Postal Service™  
CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

LUBBOCK TX 79464

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. #  
or PO Box  
City, State

**Raymond Fort**  
**PO Box 65043**  
**Lubbock, TX 79464**

PS Form 380

**U.S. Postal Service™  
CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

CANYON LAKE TX 78133

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. #  
or PO Box  
City, State

**Lela Ellen Madera**  
**1815 Scenic View Dr.**  
**Canyon Lake, TX 78133**

PS Form 380

**U.S. Postal Service™  
CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

HOBBS NM 88241

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. #  
or PO Box  
City, State

**Coyote Oil and Gas, L.L.C**  
**PO Box 1708**  
**Hobbs, NM 88241**

PS Form 380

Exhibit "F"

7014 0510 0001 4602 1369  
7014 0510 0001 4602 1352  
7014 0510 0001 4602 1338

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79702

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State  
**Peregrine Production, L.L.C.**  
**PO Box 1844**  
**Midland, TX 79702**

PS Form 3800, September 2006 See reverse for instructions

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79701

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State  
**Endeavor Energy Resource**  
**110 N. Marienfeld STE 200**  
**Midland, TX 79701**

PS Form 3800, September 2006 See reverse for instructions

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79701

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State  
**Castello Enterprises, Inc**  
**PO Box 8426**  
**Midland, TX 79701**

PS Form 3800, September 2006 See reverse for instructions

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

OKLAHOMA CITY OK 73102

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State  
**Khody Land & Mineral Co**  
**210 Park Avenue, Suite 900**  
**Oklahoma City, OK 73102**

PS Form 3800, September 2006 See reverse for instructions

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79705

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State  
**Bradley S. Bates**  
**101 Blackberry Ct.**  
**Midland, TX 79705**

PS Form 3800, September 2006 See reverse for instructions

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

HOUSTON TX 77060

Postage	\$ 2.03	0634
Certified Fee	\$3.30	03
Return Receipt Fee (Endorsement Required)	\$2.70	FEB 10 2015
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.03	02/10/2015

Sent To  
Street, Apt. or PO Box  
City, State  
**Roadrunner Oil & Gas**  
**363 N Sam Houston Parkway**  
**Suite 100**  
**Houston, TX 77060**

PS Form 3800, September 2006 See reverse for instructions

Exhibit "F"

7014 0510 0001 4602 1284

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

ROSWELL NM 88202

Postage	\$	\$2.03	0634
Certified Fee		\$3.30	
Return Receipt Fee (Endorsement Required)		\$2.70	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$8.03	

Postmark Here  
FEB 10 2015

Sent To  
Axis Energy Corporation  
PO Box 2107  
Roswell, NM 88202

PS Form 3800, August 2006

7014 0510 0001 4602 1277

**U.S. Postal Service™**  
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(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79702

Postage	\$	\$2.03	0634
Certified Fee		\$3.30	
Return Receipt Fee (Endorsement Required)		\$2.70	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$8.03	

Postmark Here  
FEB 10 2015

Sent To  
Peregrine Production LLC  
PO Box 1844  
Midland, TX 79702

PS Form 3800, August 2006

7014 0510 0001 4602 1291

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

CORPUS CHRISTI TX 78401

Postage	\$	\$2.03	0634
Certified Fee		\$3.30	03
Return Receipt Fee (Endorsement Required)		\$2.70	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$8.03	

Postmark Here  
FEB 10 2015

Sent To  
R&R Royalty, Ltd.  
500 N. Shoreline # 322  
Corpus Christi, TX 78471

PS Form 3800, August 2006

7014 0510 0001 4602 1307

**U.S. Postal Service™**  
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(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

FORT WORTH TX 76107

Postage	\$	\$2.03	0634
Certified Fee		\$3.30	03
Return Receipt Fee (Endorsement Required)		\$2.70	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$8.03	

Postmark Here  
FEB 10 2015

Sent To  
Isabelle Brown-Hulse  
801 Hillcrest  
Ft. Worth, TX 76107

PS Form 3800, August 2006

7014 0510 0001 4602 1314

**U.S. Postal Service™**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79705

Postage	\$	\$2.03	0634
Certified Fee		\$3.30	
Return Receipt Fee (Endorsement Required)		\$2.70	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$8.03	

Postmark Here  
FEB 10 2015

Sent To  
Edna Brown Hibbitts  
2101 Oaklawn Drive  
Midland, TX 79705

PS Form 3800, August 2006

Exhibit "F"





Pueblo West Resources  
125 Greathouse Village  
Decatur, Texas 76234  
432-934-7680

February 10, 2015

Please find enclosed 2 copies of NMOCD form C108 for the below well. Legal Notice to be published in the Hobbs paper. Affidavit of Publication will be furnished when received.

OWL SWD Operating, L.L.C., 8214 Westchester Drive, Suite 850, Dallas, TX 75225 has filed form C108(Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the drilling and conversion to commercial Devonian/Silurian salt water disposal the Kiehne SWD # 1, Located 660 FNL X 1980 FWL, Unit Letter C, Section 21, T26S, R33E, Lea County, New Mexico. The disposal interval would be the Devonian/Silurian formation thru open hole approximately 17400 - 18900 feet. Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated disposal rate 5000 BWPD with a maximum disposal rate of 20000 BWPD. Anticipated disposal pressure of 0(Zero) psi with a maximum disposal pressure of 3480psi. Well is located approximately 12 miles SW of Jal, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Billy Prichard 432-934-7680

Sincerely

Billy(Bill) E. Prichard  
email; [billy@pwllc.net](mailto:billy@pwllc.net)  
[www.pwllc.net](http://www.pwllc.net)

FILED  
FEB 11 2015  
COUNTY OF LEA  
NEW MEXICO





PERMIT TYPE: WFX / PMX / (SWD) Number: \_\_\_\_\_ Permit Date: \_\_\_\_\_ Legacy Permits/Orders: \_\_\_\_\_

Well No. 1 Well Name(s): Kichner S&D

API: 30-0 25-42341 Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 660 FWL  
1980 FWL Lot \_\_\_\_\_ or Unit C Sec 21 Tsp 26S Rge 33E County Lea

General Location: E 20S W JAL Pool: \_\_\_\_\_ Pool No.: \_\_\_\_\_

BLM 100K Map: JAL Operator: OULS&D operating, LLC. OGRID: 308339 Contact: Billy Purchase

COMPLIANCE RULE 5.9: Total Wells: 7 Inactive: 0 Fincl Assur: Y Compl. Order? N IS 5.9 OK? \_\_\_\_\_ Date: \_\_\_\_\_

WELL FILE REVIEWED ☒ Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed ☒ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: \_\_\_\_\_

Planned Rehab Work to Well: \_\_\_\_\_

Well Construction Details:		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Ct	Cement Top and Determination Method
Planned ___ or Existing ___ Surface		<u>24/20</u>	<u>920</u>	<u>1500</u>	<u>Surf Fall</u>
Planned ___ or Existing ___ Interm/Prod		<u>16/13 3/8</u>	<u>4900</u>	<u>2500</u>	<u>Surf Fall</u>
Planned ___ or Existing ___ Interm/Prod		<u>12/9 5/8</u>	<u>13200</u>	<u>3000</u>	<u>Surf Fall</u>
Planned ___ or Existing ___ Prod/Liner		<u>8 3/8 / 7 7/8</u>	<u>16900</u>	<u>500</u>	<u>12900</u>
Planned ___ or Existing ___ Liner		<u>6" 5 1/2</u>	<u>17400</u>	<u>200</u>	<u>16500</u>
Planned ___ or Existing <input checked="" type="checkbox"/> OH PERF		<u>17400 / 18900</u>	<u>442"</u>	<u>1500</u>	

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units m/s	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		<u>MA WOULD BE</u>	<u>17280</u>	Drilled TD <u>18900</u> PBDT _____
Confining Unit: <input checked="" type="checkbox"/> Litho. <input type="checkbox"/> Struc. <input type="checkbox"/> Por.		<u>Montoya</u>	<u>18900</u>	NEW TD _____ NEW PBDT _____
Proposed Inj Interval TOP:	<u>17400</u>	<u>Devonian</u>		NEW Open Hole <input checked="" type="checkbox"/> or NEW Perfs <input type="checkbox"/>
Proposed Inj Interval BOTTOM:	<u>18900</u>	<u>Montoya</u>		Tubing Size <u>3 1/2</u> in. Inter Coated? <u>Y</u>
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth _____ ft
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth _____ (100-ft limit)
				Proposed Max. Surface Press. <u>3480</u> psi
				Admin. Inj. Press. <u>3480</u> (0.2 psi per ft)

**AOR: Hydrologic and Geologic Information**

POTASH: R-111-P ☐ Noticed? N/A BLM Sec Ord ☐ WIPP ☐ Noticed? \_\_\_\_\_ SALT/SALADO T: \_\_\_\_\_ B: \_\_\_\_\_ CLIFF HOUSE \_\_\_\_\_

FRESH WATER: Aquifer A-114 Vrai Max Depth 120 HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: CAULS B&A CAPITAN REEF: thru ☐ adj ☐ NAO ☐ No. Wells within 1-Mile Radius? 2 FW Analysis ☒

Disposal Fluid: Formation Source(s) 30m Springs Analysis? Y On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Int: Inject Rate (Avg/Max BWPD): 5000/2000 Protectable Waters? N/A Source: \_\_\_\_\_ System: Closed ☐ or Open ☒

HC Potential: Producing Interval? N/A Formerly Producing? N/A Method: Logs/DST/P&A/Other MAJLUG 2-Mile Radius Pool Map ☒

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: 0 Horizontals? \_\_\_\_\_

Penetrating Wells: No. Active Wells 0 Num Repairs? \_\_\_\_\_ on which well(s)? \_\_\_\_\_ Diagrams? \_\_\_\_\_

Penetrating Wells: No. P&A Wells 0 Num Repairs? \_\_\_\_\_ on which well(s)? \_\_\_\_\_ Diagrams? \_\_\_\_\_

NOTICE: Newspaper Date \_\_\_\_\_ Mineral Owner NW 13A Vrai Surface Owner Oliver Kichner N. Date 2-10-2014

RULE 26.7(A): Identified Tracts? Y Affected Persons: Armstrong N. Date 2-10-2014

Permit Conditions: Issues: TOP MAJLUG SULINITY FOR WQ

Add Permit Cond: MAJLUG FOR INJECTION INTERVAL / SULINITY CALCULATIONS  
1. 121. For 9 5/8 5 1/2.

## McMillan, Michael, EMNRD

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**From:** billy@pwllc.net  
**Sent:** Friday, March 13, 2015 8:21 AM  
**To:** McMillan, Michael, EMNRD  
**Subject:** RE: Kiehne SWD Well No. 1 tops

Michael, here are the estimated formation tops for the Kiehne SWD

Rustler = 920'

Lamar = 4,910'

Bell Canyon = 4,950'

Brushy Canyon = 7,550'

Bone Spring = 8,990'

Wolfcamp = 12,220

Penn. (Atoka) = 14,400'

Miss. Lime = 16,800' (approximated 2,400' from top of Atoka, based on nearest offset)

Woodford Shale = 17,280' (approximated 2,880' from top of Atoka, based on nearest offset)

Devonian/Silurian = 17,400' (approximated 3,000' from top of Atoka, based on nearest offset)

Montoya = 18,900' (approximated 1,500' based on regional BEG Isopach contours)

Thanks

Billy (Bill) E. Prichard  
Pueblo West Resources  
125 Greathouse Village  
Decatur, TX 76234  
432-934-7680 cellular  
720-293-0460 fax

 Facebook

email; billy@pwllc.net  
www.pwllc.net

----- Original Message -----

Subject: Kiehne SWD Well No. 1 tops

From: "McMillan, Michael, EMNRD" <Michael.McMillan@state.nm.us>

Date: Thu, March 12, 2015 12:58 pm

To: "billy@pwllc.net" <billy@pwllc.net>

Billy:

Can you give me the projected log tops for the Kiehne SWD Well No1. 1?

Thank You