

**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  
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**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

Form C-101  
Revised July 18, 2013

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

AUG 29 2013  
HOBBSOCD

AMENDED REPORT

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

<sup>1</sup> Operator Name and Address BTA OIL PRODUCERS, LLC. 104 SOUTH PECOS MIDLAND, TEXAS 79701		<sup>2</sup> OGRID Number 260297
<sup>4</sup> Property Code 305307		<sup>3</sup> API Number 30-025-40312
<sup>5</sup> Property Name Eagle JV-P EAGLE		<sup>6</sup> Well No. 2

**7. Surface Location**

UL - Lot F	Section 12	Township 10S	Range 33E	Lot Idn	Feet from 1650'	N/S Line NORTH	Feet From 1650'	E/W Line WEST	County LEA
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**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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**9. Pool Information**

Pool Name LANE-SAN ANDRES	Pool Code 37000
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**Additional Well Information**

<sup>11</sup> Work Type P	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary WELL SERVICE UNIT	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 4219'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 7180'	<sup>18</sup> Formation SAN ANDRES	<sup>19</sup> Contractor UNKNOWN	<sup>20</sup> Spud Date WHEN APPROVED
Depth to Ground water 39'		Distance from nearest fresh water well 1000'+		Distance to nearest surface water 1000'+

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

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	54.5#	505'	675 Sx.	SURFACE
Intermed.	12 1/4"	9 5/8"	40#	4008'	1220 Sx.	SURFACE
Prod.	8 3/4"	7"	29#	9153'	980 Sx.	5157' by CBL

**Casing/Cement Program: Additional Comments**

SEE ATTACHED SHEET.

**22. Proposed Blowout Prevention Program**

Type Ram	Working Pressure 3000	Test Pressure 1500	Manufacturer Shaffer or Cameron
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<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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Joe T. Janica</i> Printed name: Joe T. Janica Title: Permit Eng. E-mail Address: joejanica@valornet.com Date: 08/29/13 Phone: 575-391-8503	OIL CONSERVATION DIVISION	
	Approved By: <i>[Signature]</i> Title: Petroleum Engineer	Approved Date: 08/30/13 Expiration Date: 08/30/15
Conditions of Approval Attached		

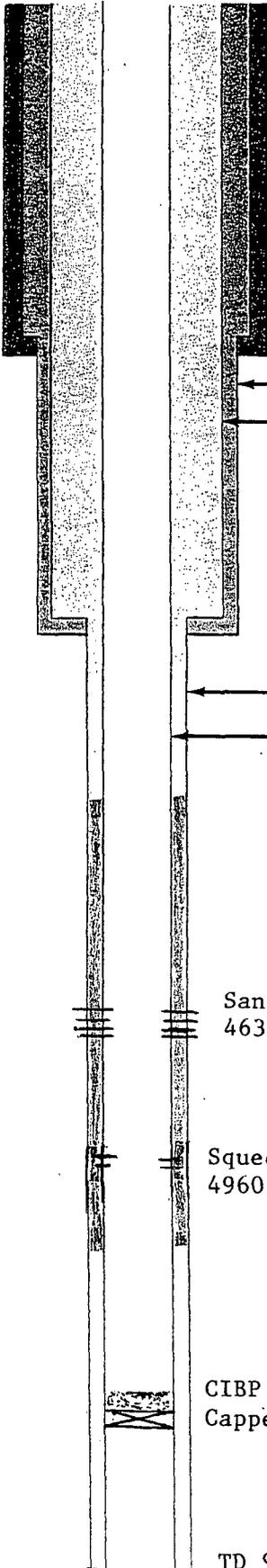
SEP 03 2013

**Procedure:**

1. MI & RU pulling unit.
2. Unseat pump and pull out of hole with rods and pump.
3. ND WH. NU BOP. Release TAC. Pull out of the hole with tubing and lay down excess tubing.
4. MI & RU Wireline truck. Run in hole with gauge ring for 7" 29# casing to liner top.
5. Run in hole with CIBP for 7" 29# Casing. Set CIBP at +/- 7180'. Cap with 40' cement.
6. Run in hole with open ended tubing to +/- 5000'. Load hole with clean water. Circulate hole clean.
7. Pull out of hole with tubing.
8. MI & RU Wireline truck. Run in hole with cement squeeze gun. Perf for cement squeeze at 4960'. Pull out of hole with wireline.
9. Run in hole with retrievable packer for 7" 29# casing. Set packer at 4880'. Pressure up on perfs and establish an injection rate. Open casing valve and determine if there is circulation.
10. Release packer and pull out of hole.
11. Pick up cement retainer for 7" 29# casing. Run in hole. Set retainer @ +/- 4880'.
12. MI & RU Rising Star Services. Mix and pump 250 sx Class with 0.3% C-16A, 0.2% C-37, 0.25% R-38 cement. After pumping 200 sx with casing valve open, close valve and continue pumping remaining cement after pumping 50 sx. Attempt to get a squeeze pressure of 1000 psi.
13. Pull out of retainer, reverse out any remaining cement. Pull out of hole with tubing and stinger.
14. Pick up 6" bit, 6 - drill collars, run in hole on tubing. Rig up reverse unit and swivel. Drill out cement retainer and cement. Pressure test squeeze to 1000 psi. If squeeze holds go to step 15 if squeeze leaks off prep to re-squeeze. Circulate hole with clean water.
15. Raise end of tubing to 4656'; spot 200 gallons 10% acetic acid at 4656'.
16. MI & RU Wireline truck. Run in hole with perf gun load with premium charges with 1 JSPF. Perf per attached schedule. Correlate to Hole log dated 1/21/12. Pull out of hole with wireline.
17. Pick up retrievable packer for 7" 29# casing on tubing. Run in hole. Set packer +/- 4500'.
18. Breakdown perfs and displace acid with pressure. Displace acid.
19. Swab back load to evaluate. Depending on results prepare for a 2500 gallon 15% NEFE acid treatment. Pump acid at 5 - 6 BPM rate with the maximum pressure of 6000 psi with 1000 psi on backside. Flush to perfs.
20. Flow and swab back load to evaluate.
21. Additional program will follow depending on results.

# WELL BORE SKETCH

OPERATOR/LEASE/WELL BTA OIL PRODUCERS, LLC 88606 JV-P EAGLE  
 \_\_\_\_\_ DATE \_\_\_\_\_  
 FIELD/POOL LANE / SAN ANDRES  
 PLUG BACK DEPTH 7180' KB \_\_\_\_\_ ELEVATION 4219 GL



Hole Size 17 1/2"

**SURFACE CASING:**

Size 13 3/8" Weight 54.5# Grade J-55  
 Set at 505' with 675 Sx. Sacks Cement  
 Circulate to surface Sacks to Surface  
 Remarks: \_\_\_\_\_

Hole Size 12 1/2"

**INTERMEDIATE CASING:**

Size 9 5/8" Weight 40# Grade J-55  
 Set at 4008' with 1220 Sx. Sacks Cement  
 Circulate to surface Sacks to Surface  
 Cement Top: Calculated \_\_\_\_\_ Temperature Survey \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Hole Size 8 3/4"

**PRODUCTION CASING:**

Size 7" Weight 29# Grade P-110  
 Set at 9153' with 980 Sx. Sacks Cement  
 Cement Top: Calculated \_\_\_\_\_ Temperature Survey \_\_\_\_\_  
 Remarks: Top of cement by CBL 5157'

San Andres perfs;  
 4632-4656 25 shots

Squeeze perfs  
 4960' with 250 Sx.

CIBP SET @ 7180'±  
 Capped/40' of cement

TD 9153'

**TUBING:**

Size \_\_\_\_\_ Weight \_\_\_\_\_ Grade \_\_\_\_\_  
 Number of Joints \_\_\_\_\_ Set at \_\_\_\_\_  
 Packer Set at \_\_\_\_\_  
 Bottom Arrangement: \_\_\_\_\_

**RODS:**

Size \_\_\_\_\_ Number \_\_\_\_\_  
 Gas Anchor Set at \_\_\_\_\_  
 Pump Set at \_\_\_\_\_  
 Arrangement: \_\_\_\_\_