

District I
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Phone: (575) 393-6161 Fax: (575) 393-0720

District II
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District III
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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

HOBBS OCD

APR 19 2017

RECEIVED

Form C-101
Revised July 18, 2013

AMENDED REPORT

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

| | | |
|---|--|---|
| ¹ Operator Name and Address Raz Oil and Gas, LLC PO Box 1180 Eunice, NM 88231 | | ² OGRID Number 370507 |
| | | ³ API Number 30-025-38162 |
| ⁴ Property Code 315024 | ⁵ Property Name YO State SWD | ⁶ Well No. 001 |

⁷ Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| D | 15 | 21S | 35E | | 660 | N | 840 | W | Lea |

⁸ Proposed Bottom Hole Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| D | 15 | 21S | 35E | | 660 | N | 840 | W | Lea |

⁹ Pool Information

| | |
|----------------------------|--------------------|
| Pool Name SWD; Devonian | Pool Code 96101 |
|----------------------------|--------------------|

Additional Well Information

| | | | | |
|-------------------------------|---|-------------------------------------|--|--|
| ¹¹ Work Type E | ¹² Well Type S | ¹³ Cable/Rotary R | ¹⁴ Lease Type S | ¹⁵ Ground Level Elevation 3587 |
| ¹⁶ Multiple N | ¹⁷ Proposed Depth 13900' | ¹⁸ Formation Devonian | ¹⁹ Contractor Unknown | ²⁰ Spud Date 3/31/17 |
| Depth to Ground water 100' | Distance from nearest fresh water well 4505' | | Distance to nearest surface water Greater than 1 mile | |

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" | 48 | 850 | 750 | Surface-In Place |
| Inter | 12-1/4" | 9-5/8" | 40 | 5420 | 1900 | Surface-In Place |
| Prod | 8-3/4" | 7" | 26 | 12560 | 600 | Surface-In Place |
| Liner | 6-1/8" | 5" | 15 | 12500-TD | 100 | TOL |

Casing/Cement Program: Additional Comments

| |
|--|
| Enclosures: Re-entry Procedure, Revised Wellbore Diagram |
|--|

²² Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|--------------------|------------------|---------------|------------------|
| Double/Pipe/Blinds | 3000 | 3000 | Cameron/Schaffer |

| | | |
|---|---------------------------------|----------------------------------|
| ²³ 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 checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: <i>DJ Holcomb</i> | OIL CONSERVATION DIVISION | |
| | Approved By: <i>[Signature]</i> | Petroleum Engineer |
| Printed name: Danny J. Holcomb | Title: | |
| Title: Agent for Raz Oil and Gas, LLC | Approved Date: <i>04/20/17</i> | Expiration Date: <i>04/20/19</i> |
| E-mail Address: danny@pwlc.net | | |
| Date: <i>3-30-2017</i> | Phone: 806-471-5628 | Conditions of Approval Attached |

RAZ OIL AND GAS, LLC
 PROPOSED DRILLOUT, DEEPENING
 AND COMPLETION PROCEDURE

Well Name: YO STATE SWD #1 (30-025-38162)

Location: 660' FNL & 840' FWL
 Sec 15, T21S, R35E
 Lea Co, NM

Date: 3/29/17

| | | |
|--|------------------------|-------------------------------|
| Surface | | 4 ½" Plastic Lined J55 & L80 |
| Csg: 13-3/8" 48# H40 set @ 850' | Inj Tbg: | and Plastic Lined 2-7/8" J-55 |
| Intermed | | |
| Csg: 9 5/8" 40# HCK55 set @ 5420' | Packer Depth: | 100' max above top perf |
| 7" 26# HCL-80 & J55 set @ | | |
| Prod Csg: 12536' | Packer Type: | ArrowSet 1X (nickel plated) |
| Liner: 5" OD 15# L80 | Existing Perfs: | None |
| Liner | | |
| Depth: 12500 - TD | New Perfs: | Top of Dev - TD |

Directions: From Eunice, go west on Highway 8 for 5.7 miles, turn west onto Highway 176. Go west for 5.52 miles. Turn north onto dirt road. Go north for .75 miles. Turn west to location.

Procedure:

- 1) MIRU pulling unit and reverse unit. NU BOP, RIH w/6-1/8" bit & 2-7/8" work string, to existing TD @ 12962'. Drill new 6-1/8" hole to approximately 13900', circulate hole clean, pull BHA, release reverse unit.
- 2) Move in Wireline. Log from TD to 12900' with GR/CNL, move off wireline.
- 3) Unload & tally 1400' of 5" OD liner. RIH with liner, hang liner at 12500', set at TD.
- 4) RU cementers, cement liner with ~200 sx cement, WOC, RD cementers.
- 5) Move in wireline. Log from TD to 12900' with GR, CCL, CBL. Run 3-1/2" perforating guns, perf casing in Devonian formation, move off wireline.
- 6) Attempt to swab test Devonian insitu formation fluid.
- 7) MIRU acid company. Acidize formation down tbg with 20000 gals 15% NeFe acid (if necessary).
- 8) Establish injection rate & perform step rate test. RDMO acid company.
- 9) PxLD workstring. RIH w/ WEG, 5" x 2-7/8" Packer (Nickel Coated), On/Off tool & tapered tubing string (4-1/2" J-55 & L80 IPC tbg and 2-7/8" plastic lined tbg). Set packer 25'-50' above top perf.
- 10) Release on/off tool. Load well & circulate w/pkr fluid. Latch back onto pkr with on/off tool. Test annulus to 500#.
- 11) ND BOP. Hang tbg off in MLE Slip type capping flange. Install 4-1/2" full opening gate valves on tbg. RDMO and release all rentals.
- 12) Report swab test and Devonian depths to NMOCD. Obtain amended injection order approval.
- 13) Tie into battery and start injection.

PROPOSED WELLBORE

Raz Oil and Gas L.L.C.

YO State SWD #1

API# 30-025-38162

660' FNL X 840' FWL, UL 'D' Sec 15, T21S, R35E, Lea County, NM

All Depths KB

KB 3603'

GL 3587'

17-1/2" Hole

13-3/8" 48# H40 Csg

Set @ 850'

Cement to surface: yes

Anhydrite 1850'

Top Salt 1945'

Base Salt 3490'

Top San Andres 4200'

12-1/4" Hole

9 5/8" 40# HCK55 Csg

Set @ 5420'

Cement to surface: yes

Top Del Sand 5530'

Top Bone Spring 7578'

Top Wolfcamp 10156'

8-3/4" Hole

7" 26# J55/HCL80 Csg

Set @ 12536'

Cement to surface: yes

Top Miss 12745'

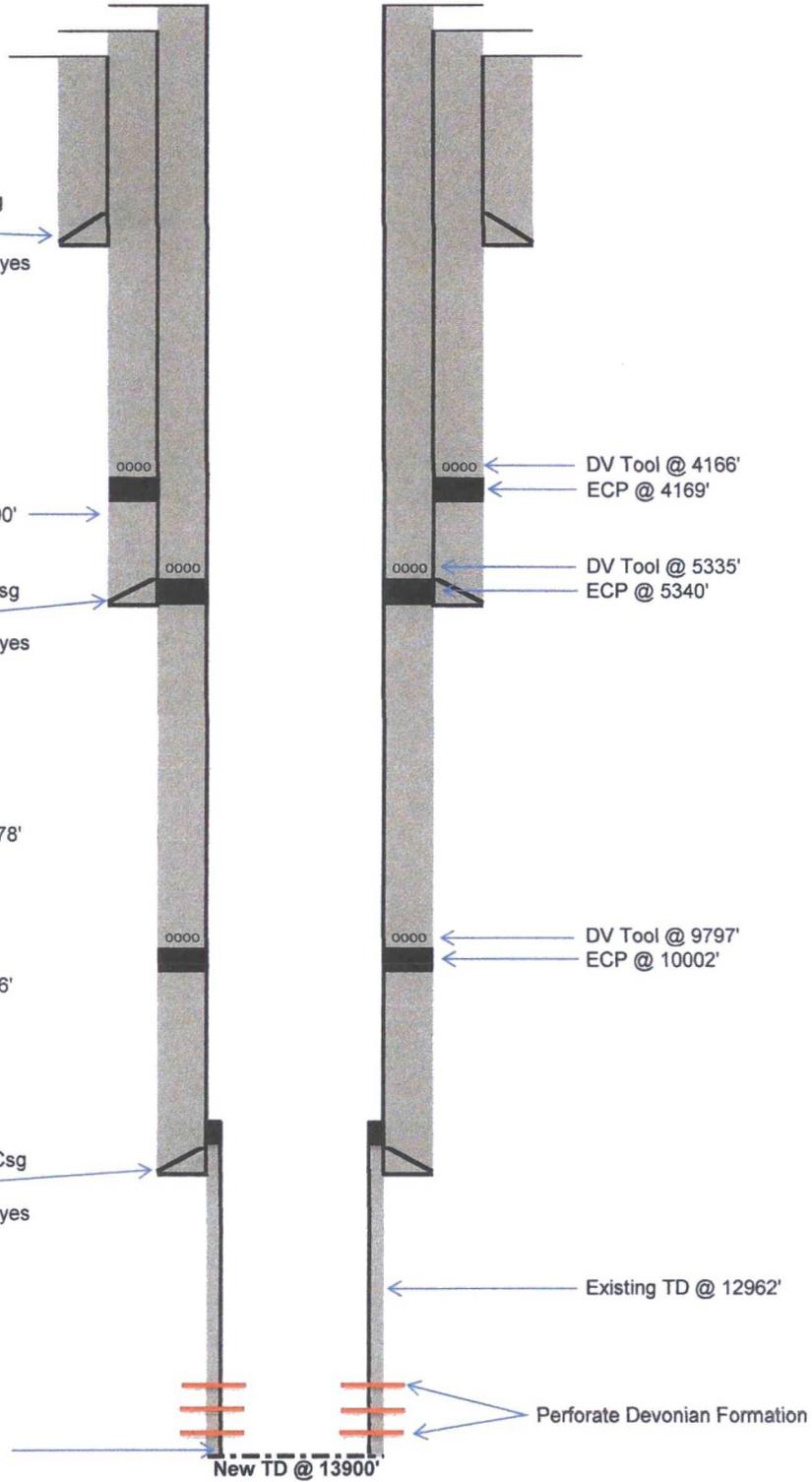
6-1/8" Hole

5" 15# L80 Liner

Hung @ 12500'

Set @ 13900'

Cement to TOL: yes



Drawing Not to Scale