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District IV
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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
⁴ Property Code 315024		³ API Number 30-025-38162
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
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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
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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 ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.
Signature: *DJ Holcomb*

Printed name: Danny J. Holcomb
Title: Agent for Raz Oil and Gas, LLC
E-mail Address: danny@pwlrc.net
Date: 3-30-2017

Phone: 806-471-5628

OIL CONSERVATION DIVISION

Approved By:

Title:

Petroleum Engineer

Approved Date:

Expiration Date:

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

Csg: 13-3/8" 48# H40 set @ 850'

Inj Tbg: 4 1/2" Plastic Lined J55 & L80
and Plastic Lined 2-7/8" J-55

Intermed

Csg: 9 5/8" 40# HCK55 set @ 5420'
7" 26# HCL-80 & J55 set @

Packer Depth: 100' max above top perf

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

DV Tool @ 4166'

ECP @ 4169'

DV Tool @ 5335'

ECP @ 5340'

DV Tool @ 9797'

ECP @ 10002'

Existing TD @ 12962'

Perforate Devonian Formation

New TD @ 13900'

Drawing Not to Scale