

RECEIVED: 12/18/17	REVIEWER: WLLJ	TYPE: (NPS-510)	APP NO: PWVJ 1727648971
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NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & 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

Applicant: Raz Oil and Gas, LLC	OGRID Number: 370507
Well Name: YO State SWD #1	API: 30-025-38162
Pool: SWD; Devonian	Pool Code: 96101

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) **TYPE OF APPLICATION:** Check those which apply for [A]

A. Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☒ IPI ☐ EOR ☐ PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. ☐ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☒ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,
 H. ☒ No notice required

FOR OCD ONLY

☐ Notice Complete
☐ Application Content Complete

- 3) **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.

Ben Thompson

Print or Type Name

Signature

Date

12-18-
9-8-2017

575-399-2457

Phone Number

razoilandgas@gmail.com

e-mail Address

Holcomb Consultants
6900 Spring Cherry Lane
Amarillo, Texas 79124

December 18, 2017

RECEIVED OGD
2017 DEC 20 P 2:49

State of New Mexico
NMOCD Engineering Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Request for Injection Pressure Increase (IPI)

YO State SWD #1, API 30-025-38162, D-15-12S-35E, Lea County, New Mexico (SWD-1594-C)

Gentlemen,

Raz Oil and Gas, LLC respectfully requests administrative approval for a maximum surface injection pressure increase (IPI) from 2698 psi to a proposed new pressure of 4000 psi. If approved, the pressure gradient would change from 0.2 to 0.297.

Attachments to this letter include:

- A completed administrative checklist
- Results of a Step-Rate Test performed on November 6, 2017 with downhole gauges set at 13295'
- A current wellbore diagram
- A copy of a letter indicating that Raz is in compliance with financial assurance requirements

The SRT indicates no formation break occurred up to the maximum surface test pressure of 4000 psi. Based on this test, Raz believes that the proposed IPI would not result in migration of disposed fluid from the permitted Devonian formation.

Raz would appreciate your consideration of this IPI request. If you require any additional information, please let me know. Thank you in advance for your consideration.

Sincerely,



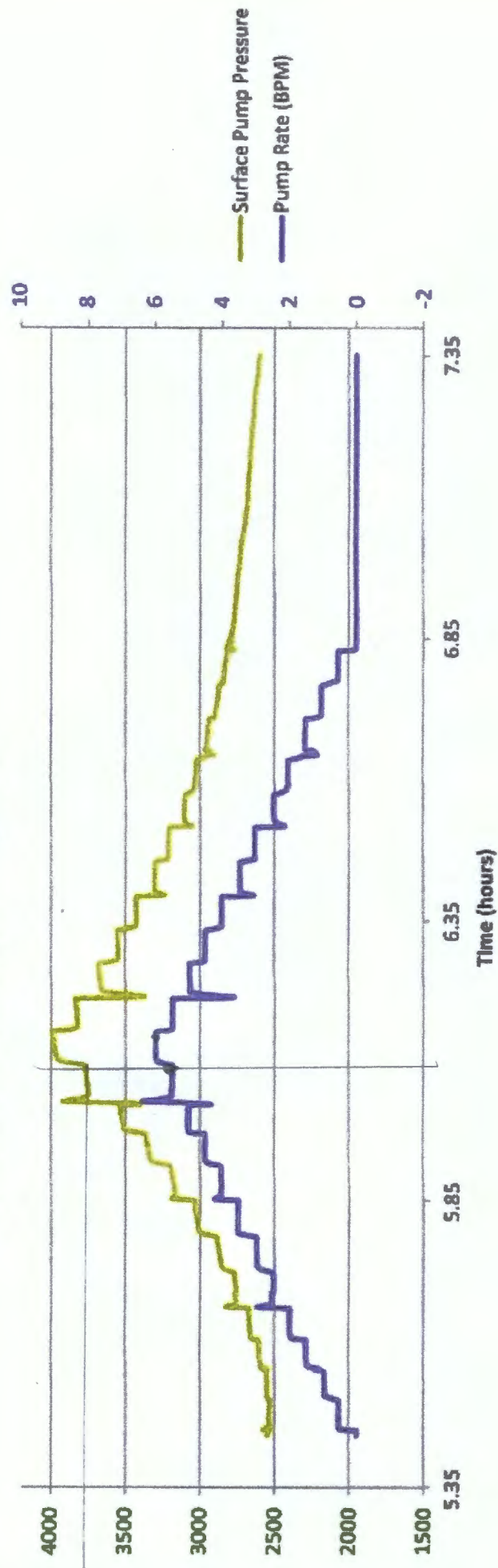
Danny J. Holcomb
Agent for Raz Oil and Gas, LLC
Cell: 806-471-5628
Email: danny@pwllic.net

Attachments

Raz Oil and Gas, LLC
YO State SWD #1
API # 30-025-38162
D-15-21S-35E

BHP Test Conducted November 6, 2017

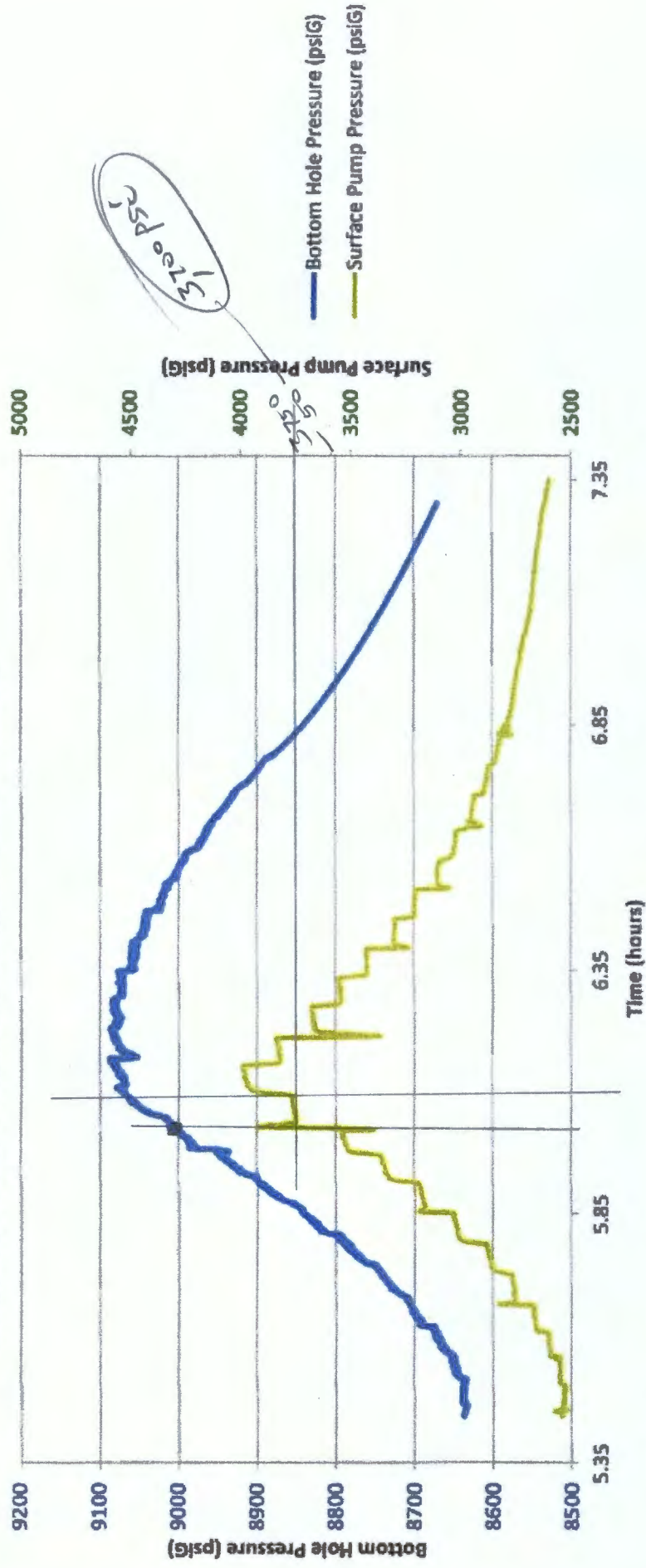
Surface Pressure vs Pump Rate



Raz Oil and Gas, LLC
YO State SWD #1
API # 30-025-38162
D-15-21S-35E

BHP Test Conducted November 6, 2017

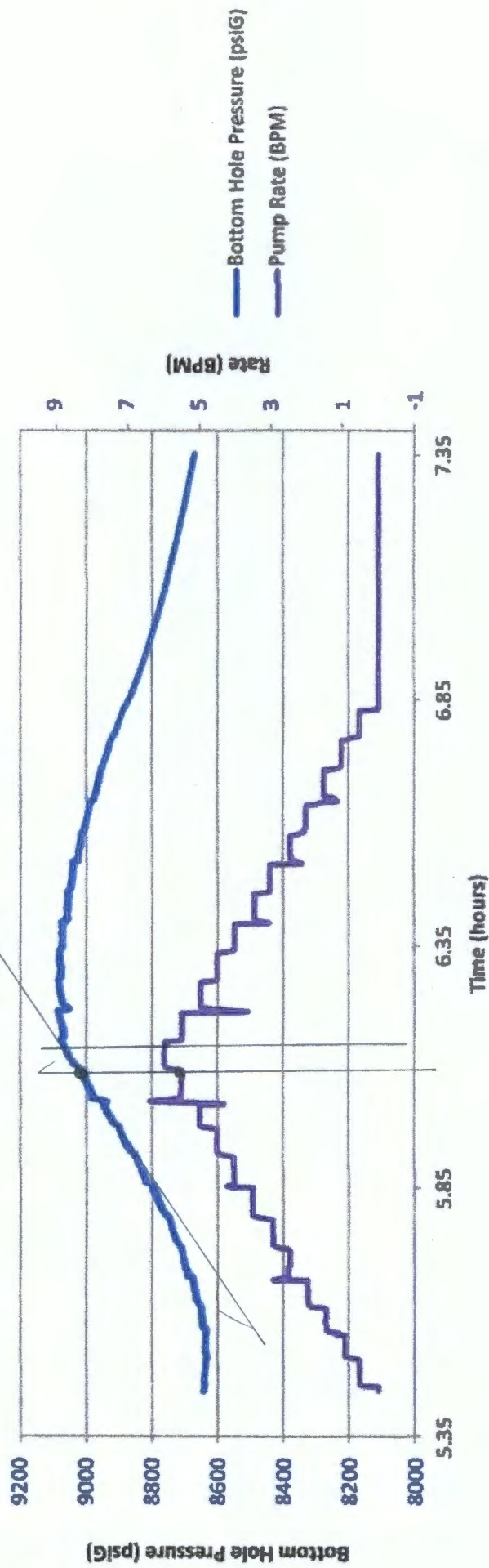
Bottom Hole Pressure vs Surface Pressure



Raz Oil and Gas, LLC
YO State SWD #1
API # 30-025-38162
D-15-21S-35E

BHP Test Conducted November 6, 2017

Bottom Hole Pressure vs Pump Rate



CURRENT WELLBORE

SWD Service

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

T. Anhydrite 1850'
T. Salt 1945'

Base Salt 3490'

T. San Andres 4200'

12-1/4" Hole
9 5/8" 40# HCK55 Csg

Set @ 5420'

Cement to surface: yes

T. Del Sand 5530'

T. Bone Spring 7578'

T. Wolfcamp 10156'

T. Barnett Shale 12510'

8-3/4" Hole
7" 26# J55/HCL80 Csg

Set @ 12536'

Cement to surface: yes

T. Mississippi 12740'

T. Woodford Shale 13285'

T. Devonian 13490'

6-1/8" Hole
5" 15# L80 Liner
Hung @ 12273'

Set @ 13962'

Cement to TOL: no

14181'

4-1/8" Open Hole

3-7/8" OH

TD @ 14347'

DV Tool @ 4166'
ECP @ 4169'

DV Tool @ 5335'
ECP @ 5340'

Pkr Fluid in Annulus

DV Tool @ 9797'
ECP @ 10002'

Tapered Injection Tubing
4-1/2" x 2-7/8" IPC/IPL
Changeover @ 12244'

TOC @ 12662' (4/19/17 CBL)

Injection Packer - Arrowset 1-X
5" x 2-7/8" Nickel Plated
Set @ 13495'

Perfs - 13518'-58' (2SPF)
Perfs - 13558'-658' (4SPF)
Perfs - 13658'-718' (2SPF)

Injection Interval
13490' - 14347'
SWD-1594-C

Drawing Not to Scale

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



November 1, 2017

Raz Oil and Gas, L.L.C.
Attn: Nina Thompson
2403 Ave O
Eunice, NM 88231

Re: \$50,000 Blanket Plugging Bond
Raz Oil and Gas, L.L.C., Principal
Lexon Insurance Company, Surety
Bond No. 1151514

Dear Mr. Yates:

The New Mexico Oil Conservation Division hereby approves the above-captioned blanket plugging bond.

Sincerely,

DENISE GALLEGOS
Bond Administrator

cc: Oil Conservation Division – Hobbs, Artesia, Aztec Districts

Lexon Insurance Company
Attn: Jill Kemp
2307 River Road, Suite 200
Louisville, KY 40206