

COMPLETED WELLBORE

Well Configured for 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

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'

Top Barnett Shale 12510'

8-3/4" Hole

7" 26# J55/HCL80 Csg

Set @ 12536'

Cement to surface: yes

Top Miss 12740'

Top Woodford Shale 13285'

Top Devonian 13490'

6-1/8" Hole

5" 15# L80 Liner

Hung @ 12273'

Set @ 13962'

Cement to TOL: no

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 2-3/8" Nickel Plated

Set @ 13495'

Injection Interval - 13518'-13718'

Perfs - 13518'-58' (2SPF)

Perfs - 13558'-658' (4SPF)

Perfs - 13658'-718' (2SPF)

PBTD @ 13959'

TD @ 13968'

Drawing Not to Scale