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|---|-------------------------------------|---|------------------------------|-----------|---|---|---|--|------------|---------------|
| Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 | | State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 | | | | Form C-105 Revised April 3, 2017 1. WELL API NO. 30-025-43901 2. Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> X FEE <input type="checkbox"/> FED/INDIAN 3. State Oil & Gas Lease No. | | | | |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG | | | | | | | | | | |
| 4. Reason for filing: X COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC) | | | | | | 5. Lease Name or Unit Agreement Name Ryno SWD 6. Well Number: 001 | | | | |
| 7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER _____ | | | | | | | | | | |
| 8. Name of Operator Goodnight Midstream Permian LLC | | | | | | 9. OGRID 372311 | | | | |
| 10. Address of Operator 5910 North Central Expressway, Suite 580, Dallas, TX 75206 | | | | | | 11. Pool name or Wildcat SWD; Devonian | | | | |
| 12. Location | Unit Ltr | Section | Township | Range | Lot | Feet from the | N/S Line | Feet from the | E/W Line | County |
| Surface: | H | 17 | 21S | 36E | | 1450 | N | 708 | E | Lea |
| BH: | | | | | | | | | | |
| 13. Date Spudded 06/12/2018 | 14. Date T.D. Reached 07/15/2018 | 15. Date Rig Released 07/17/2018 | | | 16. Date Completed (Ready to Produce) 08/15/2018 | | | 17. Elevations (DF and RKB, RT, GR, etc.) 3612 GR | | |
| 18. Total Measured Depth of Well 11,500 | | | 19. Plug Back Measured Depth | | | 20. Was Directional Survey Made? No | | 21. Type Electric and Other Logs Run CBL, Composite | | |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name 10,556-11,500 Devonian | | | | | | | | | | |
| 23. CASING RECORD (Report all strings set in well) | | | | | | | | | | |
| CASING SIZE | | WEIGHT LB./FT. | | DEPTH SET | | HOLE SIZE | | CEMENTING RECORD | | AMOUNT PULLED |
| 13 3/8 | | 48 | | 1348 | | 17 1/2 | | 975 sx Cl C Circ to Surf | | |
| 9 5/8 | | 40 | | 5893 | | 12 1/4 | | 2000 sx Cl C TOC 600 – temp survey | | |
| 7 | | 29 | | 10556 | | 8 3/4 | | 1010 Sx Cl C&H Circ to surf | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 24. LINER RECORD | | | | | | | | | | |
| SIZE | TOP | BOTTOM | SACKS CEMENT | | SCREEN | | 25. TUBING RECORD | | | |
| | | | | | | | SIZE | DEPTH SET | PACKER SET | |
| | | | | | | | 4 1/2 | 10510 | 10510 | |
| 26. Perforation record (interval, size, and number) Open Hole from 10,556-11,500 | | | | | | | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 10556-11500 40,000 gal 15.8% HCL _____ _____ | | | |
| 28. PRODUCTION | | | | | | | | | | |
| Date First Production | | Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) | | | | | Well Status (<i>Prod. or Shut-in</i>) | | | |
| Date of Test | Hours Tested | Choke Size | Prod'n For Test Period | Oil - Bbl | Gas - MCF | Water - Bbl. | Gas - Oil Ratio | | | |
| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - (<i>Corr.</i>) | | | | |
| 29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) | | | | | | | | 30. Test Witnessed By | | |
| 31. List Attachments | | | | | | | | | | |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. | | | | | | | | 33. Rig Release Date: | | |
| 34. If an on-site burial was used at the well, report the exact location of the on-site burial: <div style="display: flex; justify-content: space-between;"> Latitude _____ Longitude _____ NAD83 </div> | | | | | | | | | | |

| From | To | Thickness In Feet | Lithology | | From | To | Thickness In Feet | Lithology |
|------|----|----------------------|-----------|--|------|----|----------------------|-----------|
|------|----|----------------------|-----------|--|------|----|----------------------|-----------|

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Engineer, OCD, EMNRD

From: Nathan Alleman <nalleman@all-llc.com>
Sent: Friday, March 20, 2020 5:06 PM
To: Engineer, OCD, EMNRD
Cc: Steve Drake; Grant Adams
Subject: [EXT] RE: Ryno SWD #1 Tech Review
Attachments: Goodnight - Ryno SWD #1 - Corrected C-105.doc

Thanks Dylan. We apparently had a typo for the top of the Glorieta in the C-105. The top of the Glorieta should be at 5,625' instead of 5,525'. This should resolve the issue of the Glorieta being shallower than the bottom of the injection interval since the proposed injection interval is from 4,320' – 5,625'.

A corrected C-105 is attached.

Please let us know if you have any questions.

Nate Alleman

ALL Consulting
Office: 918-382-7581
Cell: 918-237-0559

From: Engineer, OCD, EMNRD <OCD.Engineer@state.nm.us>
Sent: Friday, March 20, 2020 5:42 PM
To: Nathan Alleman <nalleman@all-llc.com>
Subject: RE: Ryno SWD #1 Tech Review

Nate,

It is not terribly important, but we are beginning to try to collect good records of reported formation tops within the deeper wells. So if you happen to come across it, the well name would be helpful.

Also, in the corrected C-105 the top of the Glorieta formation is above the base of the injection interval. Does Goodnight wish to inject into the San Andres and Glorieta formations, or does either the proposed injection interval, or the reported formation top need to change?

Thanks,

Dylan

From: Nathan Alleman <nalleman@all-llc.com>
Sent: Friday, March 20, 2020 4:10 PM
To: Engineer, OCD, EMNRD <OCD.Engineer@state.nm.us>
Subject: [EXT] RE: Ryno SWD #1 Tech Review

Dylan,

I'm not sure. I was told that it was another well that Cambrian Management had drilled but I'm not even sure that it was a well for Goodnight.

If it's important to the case files, I can dig in and try to find out which well it was but that might take me a bit to figure out.

Nate Alleman

ALL Consulting
Office: 918-382-7581
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From: Engineer, OCD, EMNRD <OCD.Engineer@state.nm.us>
Sent: Friday, March 20, 2020 5:05 PM
To: Nathan Alleman <nalleman@all-llc.com>
Subject: RE: Ryno SWD #1 Tech Review

Also,

What was the name of the well that the tops were inadvertently used from?

Thanks,

Dylan Rose-Coss

Petroleum Specialist
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

O: (505) 476-3477



From: Nathan Alleman <nalleman@all-llc.com>
Sent: Friday, March 20, 2020 3:32 PM
To: Engineer, OCD, EMNRD <OCD.Engineer@state.nm.us>

Cc: Steve Drake <steve.drake@goodnightmidstream.com>; Grant Adams <gadams@goodnightmidstream.com>

Subject: [EXT] FW: Ryno SWD #1 Tech Review

Dylan,

Please see our responses to your questions regarding Goodnight's Ryno SWD #1 C-108 application.

- Will the system be open or closed
 - Response: A closed system will be used.
- Can you help me to understand describe the discrepancies between the notice to affected parties sent out for the initial Snyder well application, and the notices that were sent out for the Ryno Well application
 - Why were so many more notices sent out for the initial Snyder well application
 - Response: Per NMAC [19.15.2.8](#), the mineral interest owners are only required to be notified of the Injection Permit Application if the associated tract within the AOR is not subject to an oil and gas lease. All tracts of land within the AOR are subject to oil and gas leases.
 - When was the well name changed
 - Response: the attached C-103 indicates that the name was changed on March 5, 2018.
- What were the results of the initial MIT
 - Response: the attached MIT results show that a 32 minute test was run with a starting pressure of 560 psig and ending pressure of 545 psig.
- Can you verify the formation top picks presented in the final C-105 completions report
 - Response: the formation top picks have been revised on the attached C-105 Completion Report. Is it my understanding that the formation tops from a different well ended up being inadvertently reported on the C-105 for the Ryno SWD #1. Sorry for the confusion and thanks for pointing that out.
- Can you provide formation top picks for the adjacent stratigraphic intervals (e.g. Grayburg, Glorieta)
 - Response: Formation top picks for the adjacent stratigraphic intervals have been added to the attached corrected C-105.

Please let us know if you have any additional questions.

Regards,

Nate Alleman

ALL Consulting
Office: 918-382-7581
Cell: 918-237-0559

From: Rose-Coss, Dylan H, EMNRD <DylanH.Rose-Coss@state.nm.us>
Sent: Thursday, March 19, 2020 5:51 PM
To: Nathan Alleman <nalleman@all-llc.com>
Cc: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Subject: Ryno SWD #1 Tech Review

Nate,

I was able to dig into the Ryno SWD #1 application a little bit and these are the questions that arose from it:

- Will the system be open or closed
- Can you help me to understand describe the discrepancies between the notice to affected parties sent out for the initial Snyder well application, and the notices that were sent out for the Ryno Well application
 - Why were so many more notices sent out for the initial Snyder well application
 - When was the well name changed
- What were the results of the initial MIT
- Can you verify the formation top picks presented in the final C-105 completions report
- Can you provide formation top picks for the adjacent stratigraphic intervals (e.g. Grayburg, Glorieta)

Once I can settle these little outliers I'll be able to move onto writing up the order.

Thanks,

Dylan Rose-Coss