Submit To Appropriate District Office Two Copies				State of New Mexico						Form C-105 Revised April 3, 2017						
District I 1625 N. French Dr., Hobbs, NM 88240				Energy, Minerals and Natural Resources						Revised April 3, 2017  1. WELL API NO.						
District II 811 S. First St., Artesia, NM 88210				Oil Conservation Division						30-025-43901						
District III 1000 Rio Brazos Re	d., Aztec, N	NM 87410	)	1220 South St. Francis Dr.							2. Type of Lease  STATE X FEE ☐ FED/INDIAN					
District IV 1220 S. St. Francis	Dr., Santa	Fe, NM 8'	7505	Santa Fe, NM 87505						=	3. State Oil & Gas Lease No.					
WELL (	COMP	LETIC	ON OR	RECC	MPL	ETION RE	PORT	ANI	DLOG							
4. Reason for filing:							5. Lease Name or Unit Agreement Name Ryno SWD									
X COMPLETION								6. Well Numl	ber:							
C-144 CLOS										l/or	001					
7. Type of Comp	letion:									∩ID	OTHER _					
8. Name of Operator							9. OGRID									
Goodnight Midst 10. Address of O		nian LLC									372311 11. Pool name or Wildcat					
5910 North Centr		sway, Su	iite 580, D	allas, TX	75206	06					SWD; Devonian					
12.Location	Unit Ltr	r Section		Township		Range Lot		Feet from				Feet from the				County
Surface:	Н	17		21S		36E			1450		N	708		Е		Lea
BH:	1			<u> </u>									1			
13. Date Spudded 06/12/2018	07/15	/2018	Reached	07/1	7/2018	Released	.1	08	/15/2018		ed (Ready to Produce)  17. Elevations (DF and RT, GR, etc.) 3612 GF nal Survey Made?  21. Type Electric and Other			2 GR		
18. Total Measured Depth of Well 11,500				19. Plug Back Measured Depth				No No		Survey Made	e? 21. Type Electric and Oth CBL, Composite		ner Logs Run			
22. Producing Int 10,556-11,500			mpletion -	· Top, Bot	tom, Na	nme										
23.						ING REC	ORD (			ring						
CASING SI 13 3/8	ZE	WE	IGHT LB 48	3./FT. DEPTH SET 1348				HOLE SIZE 17 ½			975 sx Cl C Circ			AN	MOUNT	PULLED
13 3/0			40	1310				17 /2			Surf					
9 5/8 40		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.			DOTTOM			LINER RECORD			NT.	25.	I					
SIZE	TOP	OP BOTTO		)TTOM	M SACKS CEMENT		ENI S			SIZ			10510		T PACKER SET 10510	
										1 /		1	0510		10310	,
26. Perforation	record (ii	nterval, s	ize, and n	umber)		1					ACTURE, CE					
Open Hole from 10,556-11,500						DEPTH INTERVAL 10556-11500			,	AMOUNT AND KIND MATERIAL USED 40,000 gal 15.8% HCL						
								10330-11300			40,000 gai 13.8% HCL					
28.							PROL	UC	TION		1					
Date First Produc	tion		Produ	ction Met	hod (Fla	owing, gas lift, pi	umping -	Size ar	ıd type pump	)	Well Status	s (Pro	d. or Shui	t-in)		
Date of Test	Hours	Tested	Cl	hoke Size		Prod'n For Test Period	0	Oil - Bbl		Gas	ns - MCF		Water - Bbl.		Gas - C	Oil Ratio
Flow Tubing Ca		Casing Pressure Cal		alculated 24-		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API - (Corr.)			r.)	
Press.	Hour Rate															
29. Disposition of	f Gas (Sol	ld, used f	for fuel, ve	nted, etc.)	1							30.	Test Witn	essed By		
31. List Attachme	ents															
32. If a temporary	pit was u	used at th	ne well, att	ach a plat	with th	e location of the	temporar	y pit.				33. F	Rig Releas	se Date:		
34. If an on-site b	ourial was	used at t	the well, re	eport the e	exact loc		site burial	:			I on ale: 1	<u> </u>			NT A	D02
						Latitude _					Longitude				NA	.D83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Printed

Name Denise Jones

Title

Regulatory Analyst

Signature

Date 09/15/2018

E-mail Address djones@cambrianmgmt.com

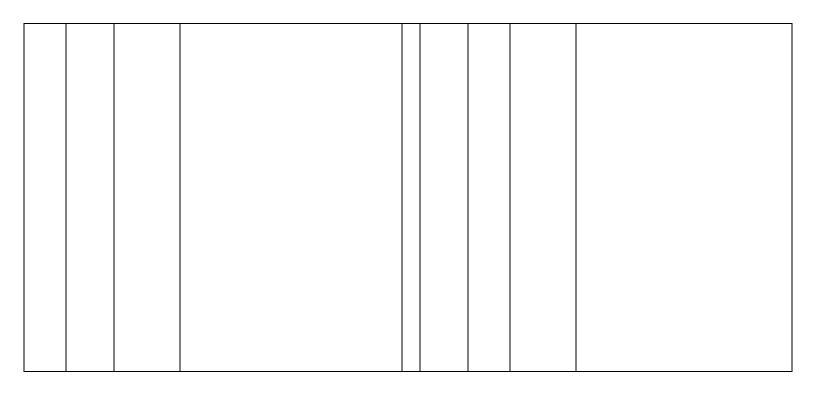
# **INSTRUCTIONS**

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

# INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeaste	rn New Mexico	Northwestern New Mexico				
T. Anhy1300	T. Canyon	T. Ojo Alamo	T. Penn A"			
T. Salt_	T. Strawn8658	T. Kirtland	T. Penn. "B"			
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"			
T. Yates3026	T. Miss	T. Pictured Cliffs	T. Penn. "D"			
T. 7 Rivers3285	T. Devonian10560	T. Cliff House	T. Leadville			
T. Queen3610	T. Silurian	T. Menefee	T. Madison			
T. Grayburg3910	T. Montoya	T. Point Lookout	T. Elbert			
T. San Andres4322	T. Simpson	T. Mancos	T. McCracken			
T. Glorieta5625	T. McKee	T. Gallup	T. Ignacio Otzte			
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite			
T. Blinebry	T. Gr. Wash	T. Dakota				
T.Tubb6135	T. Delaware Sand	T. Morrison				
T. Drinkard6808	T. Bone Springs	T.Todilto				
T. Abo7990	T	T. Entrada				
T. Wolfcamp8200	T	T. Wingate				
T. Penn_	T	T. Chinle				
T. Cisco (Bough C)	T	T. Permian				
			OIL OR GAS			

								SANDS OR ZONES			
No. 1, 1	from		to		No. 3, fi	rom		to			
No. 2, fromto					No. 4, fromto						
			IMPORTANT \	NΑ	TER S	SAND	S				
Include	e data on	rate of wat	er inflow and elevation to which wate	r ro	se in ho	le.					
No. 1, 1	from		to				feet				
No. 2, fromtoto					feet						
No. 3, 1	from		to				feet				
ŕ		]	LITHOLOGY RECORD	(Atı	tach ad	ditiona	l sheet if n	necessary)			
From	То	Thickness In Feet	Lithology		From	То	Thickness In Feet	Lithology			



# **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 Cell: 918-237-0559

From: Engineer, OCD, EMNRD < <a href="mailto:OCD.Engineer@state.nm.us">OCD.Engineer@state.nm.us</a>>

**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 < <a href="mailto:steve.drake@goodnightmidstream.com">steve.drake@goodnightmidstream.com</a>>; Grant Adams < <a href="mailto:gadams@goodnightmidstream.com">goodnightmidstream.com</a>>> <a href="mailto:Subject:">Subject:</a> [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
  - o 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
  - o 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.

In the original application, the applicant notified all mineral owners even though this wasn't required because all of the tracts within the AOR were subject to oil and gas leases. In the recompletion application, since all of the minerals within the AOR are subject to oil and gas leases, we did not notify the mineral owners — we only notified the landowner, the operator of record for the leases, BLM, and SLO. So, in summary, the difference is that the mineral owners were notified as a part of the original application and not as a part of the recompletion application because it was not actually required.

- 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 <a href="mailto:nailte.com">nailte.com</a>

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
  - o 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**