

# Additional Information

Technical Review  
Supplemental Information  
3/20/2020

## Engineer, OCD, EMNRD

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**From:** Engineer, OCD, EMNRD  
**Sent:** Friday, March 20, 2020 3:50 PM  
**To:** 'Nathan Alleman'; Goetze, Phillip, EMNRD  
**Cc:** Steve Drake; Grant Adams  
**Subject:** RE: Ryno SWD #1 Tech Review

Nate,

Thanks for your prompt response. I believe that answers all my questions. I will add the information to the record.

Regards,

**Dylan Rose-Coss**

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

O: (505) 476-3477



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**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.

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

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**From:** Rose-Coss, Dylan H, EMNRD <[DylanH.Rose-Coss@state.nm.us](mailto:DylanH.Rose-Coss@state.nm.us)>  
**Sent:** Thursday, March 19, 2020 5:51 PM  
**To:** Nathan Alleman <[nalleman@all-llc.com](mailto:nalleman@all-llc.com)>  
**Cc:** Goetze, Phillip, EMNRD <[Phillip.Goetze@state.nm.us](mailto: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

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

HOBBS OGD  
MAR 08 2018  
RECEIVED

WELL API NO.  
30-025-43901

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Snyder SWD

8. Well Number 1

9. OGRID Number 372311

10. Pool name or Wildcat  
SWD; Devonian

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD

2. Name of Operator

Goodnight Midstream Permian, LLC

3. Address of Operator

5910 North Central Expressway, Suite 580, Dallas TX 75206

4. Well Location

Unit Letter: H

1450 feet from the North line and 708 feet from the East line

Section 17

Township 21 S

Range 36 E

NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3612' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPL ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☐

OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

P AND A ☐

CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Will change well name from Snyder SWD 1 to Ryno SWD 1.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Brian Wood

TITLE Consultant

DATE 3-5-18

Type or print name Brian Wood

E-mail address: brian@permitswest.com

PHONE: (505) 466-8120

For State Use Only

APPROVED BY:

[Signature]

TITLE

Petroleum Engineer

DATE

03/16/18

Conditions of Approval (if any):

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division Hobbs District Office

BRADENHEAD TEST REPORT

Operator Name GOODNIGHT MIDSTREAM PERMIAN, LLC		API Number 30-025-43901
Property Name Ryno SWD		Well No. 001

2. Surface Location

UL - Lot H	Section 17	Township 21S	Range 36E	Feet from 1450	N/S Line N	Feet From 708	E/W Line E	County LEA
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Well Status

TA'D Well YES	SHUT-IN YES	INJECTOR INJ	PRODUCER OIL	DATE 9/19/2018
<del>NO</del>	<del>NO</del>	SWD	GAS	

OBSERVED DATA

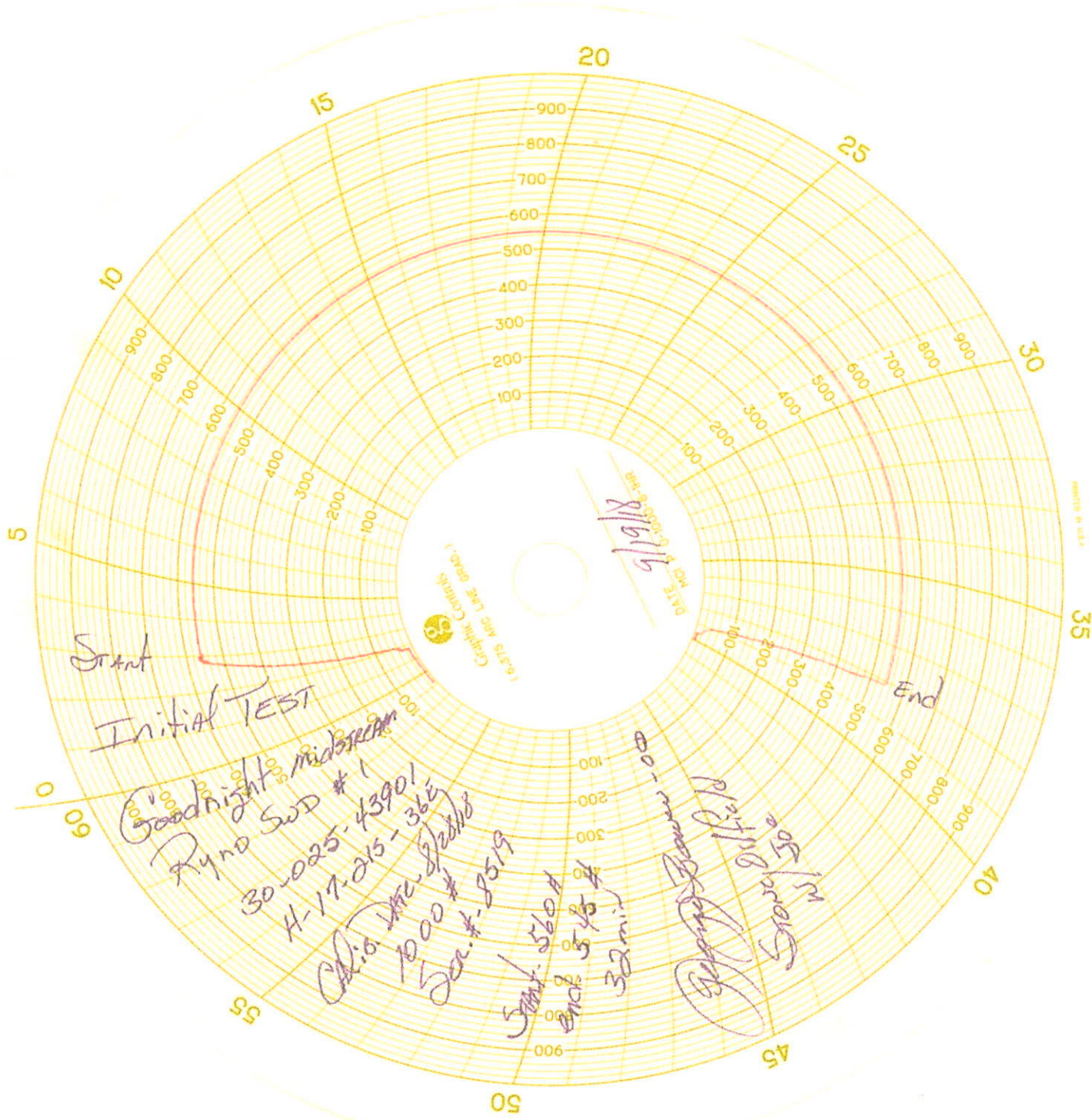
	(A)Surf-Interm	(B)Interm(1)	(C)Interm(2)	(D)Prod Csg	(E)Tubing
Pressure	0	NA	NA	0	0
Flow Characteristics					
Puff	Y / N	Y / N	Y / N	Y / N	CO2 _____
Steady Flow	Y / N	Y / N	Y / N	Y / N	WTR _____
Surges	Y / N	Y / N	Y / N	Y / N	GAS _____
Down to nothing	Y / N	Y / N	Y / N	Y / N	If applicable type
Gas or Oil	Y / N	Y / N	Y / N	Y / N	fluid injected for
Water	Y / N	Y / N	Y / N	Y / N	Waterflood

Remarks: Please state for each string (A,B,C,D,E) pertinent information regarding bleed down or continuous build up if applies.

Initial LIC Test  
Graco operating  
Ser# 8127

Signature:		OIL CONSERVATION DIVISION
Printed name:		Entered into RBDMS
Title:		Re-test
E-mail Address:		
Date:	Phone:	
Witness: KERRY FORTNER-OCD 575-399-3221		





Start

Initial TEST

Goodnight midstream  
Ryno SWD #1  
30-025-43901  
H-17-215-365  
C/O Linc. Spill  
1000 #  
Don. # 8519

Start 560 ft  
End 315 ft  
32 mil

By 91916  
Sperry 50  
W

End

Submit 1 Copy To Appropriate District Office  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

HOBBS OGD  
MAR 08 2018  
RECEIVED

WELL API NO. 30-025-43901
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Snyder SWD
8. Well Number 1
9. OGRID Number 372311
10. Pool name or Wildcat SWD; Devonian

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD

2. Name of Operator  
Goodnight Midstream Permian, LLC

3. Address of Operator  
5910 North Central Expressway, Suite 580, Dallas TX 75206

4. Well Location

Unit Letter: H      1450 feet from the North line and 708 feet from the East line  
Section 17      Township 21 S      Range 36 E      NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3612' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Will change well name from Snyder SWD 1 to Ryno SWD 1.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Brian Wood

TITLE Consultant

DATE 3-5-18

Type or print name Brian Wood  
For State Use Only

E-mail address: brian@permitswest.com

PHONE: (505) 466-8120

APPROVED BY:

[Signature]

TITLE

Petroleum Engineer

DATE

03/16/18

Conditions of Approval (if any):



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		<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>				<b>Form C-105</b> 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.								
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>										
4. Reason for filing:  <b>X COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)  <input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (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
<b>Surface:</b>	H	17	21S	36E		1450	N	708	E	Lea
<b>BH:</b>										
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										
<b>23. CASING RECORD (Report all strings set in well)</b>										
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		
<b>24. LINER RECORD</b>										
SIZE	TOP	BOTTOM	SACKS CEMENT		SCREEN		<b>25. TUBING RECORD</b>			
							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	
<b>28. PRODUCTION</b>										
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:										
Latitude _____				Longitude _____				NAD83		

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

Signature

Date 09/15/2018

E-mail Address djones@cambrianmgmt.com

Printed

Name Denise Jones

Title

Regulatory Analyst

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

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 1300	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn 8658	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 3026	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 3285	T. Devonian 10560	T. Cliff House	T. Leadville
T. Queen 3610	T. Silurian	T. Menefee	T. Madison
T. Grayburg 3910	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 4322	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 5525	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb 6135	T. Delaware Sand	T. Morrison	
T. Drinkard 6808	T. Bone Springs	T.Todilto	
T. Abo 7990	T.	T. Entrada	
T. Wolfcamp 8200	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS  
SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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