

Submit a 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

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.)		WELL API NO. 30-025-484065
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Centennial Resource Production, LLC		6. State Oil & Gas Lease No. 325758
3. Address of Operator 1001 17th St., Ste. 180 Denver CO 80202		7. Lease Name or Unit Agreement Name Hagberry 9 State Com
4. Well Location Unit Letter <u>C</u> : <u>1030'</u> feet from the <u>N</u> line and <u>1846</u> feet from the <u>W</u> line Section <u>9</u> Township <u>22S</u> Range <u>35E</u> NMPM County <u>Lea</u>		8. Well Number 503H
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 372165
		10. Pool name or Wildcat WC-025 GO7 S223505N; Bone Spring

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: H <sub>2</sub> S Compliance Review <input checked="" type="checkbox"/>	

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.

Centennial Resource Production, LLC respectfully wishes to report a "H<sub>2</sub>S Compliance Review". Please see attached.

Spud Date:

3/21/21

Rig Release Date:

4/18/21

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

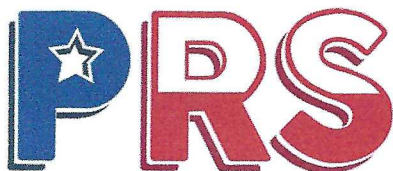
SIGNATURE Sandra Belt TITLE Regulatory Analyst DATE 8/23/21

Type or print name Sandra Belt E-mail address: sandra@permianregulatory.com PHONE: 432-413-9797

**For State Use Only**

APPROVED BY: John Garcia TITLE Petroleum Engineer DATE 11/2/2021

Conditions of Approval (if any):



Permian Regulatory Solutions, PLLC  
200 Skywood, Midland TX 79705  
432-894-1857  
TBPELS Firm 15309  
permianregulatory.com

August 23, 2021

Centennial Resource Production, LLC  
1001 17th Street, Suite 1800  
Denver, CO 80202

Re: H<sub>2</sub>S Compliance Review  
Hagberry 9 State COM, Well No. 503H  
30-025-48406  
Unit C, Sec 9, Twp 22S, Rge 35E  
Lea County, New Mexico

To Whom It May Concern:

This well and the surrounding area was reviewed for compliance with NMAC 19.15.11.1. The following data was used for this analysis:

Gas Volume:	1278 mcf/d tested maximum daily rate
H <sub>2</sub> S Content:	4634 ppm
ROE <sub>100</sub> :	307 ft
ROE <sub>500</sub> :	140 ft
Closest Public Area:	None within one mile

The existing well on this pad, the Hagberry 9 State COM Well No. 502H (30-025-48405), also produces gas containing H<sub>2</sub>S. At last test, the gas contained 20,000 ppm. The combined production stream is calculated to contain an average of 12,522 ppm with a combined volume of 2626 mcf/d. This yields the following ROEs:

ROE <sub>100</sub> :	897 ft
ROE <sub>500</sub> :	409 ft

A review of public data shows no public effect due to the presence of H<sub>2</sub>S in this production stream. There are no public areas or public roads within one mile of the well surface location.

Centennial Resource Production, LLC  
Hagberry 9 State COM Pad H2S Review  
August 23, 2021  
Page 2

Another Centennial location exists approximately 1700 ft northwest of the Hagberry 9 pad, and an oilfield access road is located east of the Hagberry pad approximately 1200 ft. Appropriate warning signs will be posted. This site is compliant with MNAC 19.15.11.1.

If you have any questions, please do not hesitate to contact me at 432-894-1857 or via email at mark@permianregulatory.com. Thank you for your assistance in this matter.

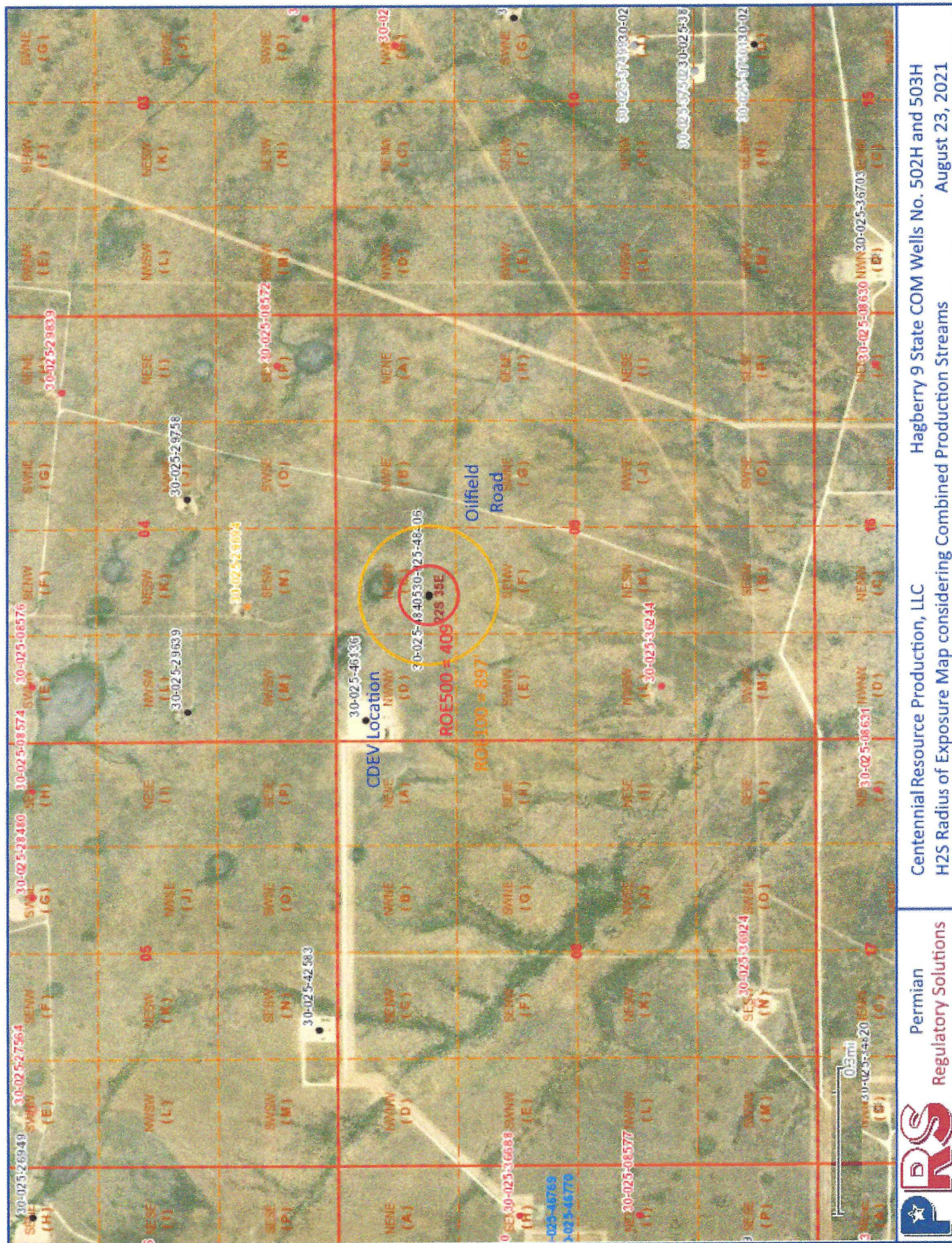
Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Henkhaus".

R. Mark Henkhaus, PE  
Permian Regulatory Solutions, PLLC

Attachments: Aerial Photo Map  
H<sub>2</sub>S ROE Calculations









## Permian Regulatory Solutions, PLLC

### PRS H2S Radius of Exposure Calculation

---

**Operator:**

Centennial Resource Development

**Lease/Facility:**

Hagberry 9 State COM 503H

**Field:**

WC-025 G-07 S223505N; Bone Spring

**County:**

Lea

**H2S Concentration, PPM:**

4634

**Maximum Escape Rate, MCF/D:**

1278

100 PPM ROE (ROE<sub>100</sub>) = 306.68 FT

500 PPM ROE (ROE<sub>500</sub>) = 140.14 FT



## Permian Regulatory Solutions, PLLC

### PRS H2S Radius of Exposure Calculation

---

**Operator:**

Centennial Resource Development

**Lease/Facility:**

Hagberry 9 State COM

**Field:**

Combined Production Stream

**County:**

Lea

**H2S Concentration, PPM:**

12522

**Maximum Escape Rate, MCF/D:**

2626

100 PPM ROE (ROE<sub>100</sub>) = 896.57 FT

500 PPM ROE (ROE<sub>500</sub>) = 409.70 FT

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 43711

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 43711
	Action Type: [C-103] NOI General Sundry (C-103X)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	11/2/2021