

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

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. 30-025-37035
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 Catena Resources Operating, LLC		6. State Oil & Gas Lease No. EO-1479-6
3. Address of Operator 18402 US Hwy 281 N, Suite 258 San Antonio, TX 78259		7. Lease Name or Unit Agreement Name South Vacuum Unit
4. Well Location Unit Letter <u>L</u> : <u>1940</u> feet from the <u>South</u> line and <u>980</u> feet from the <u>West</u> line Section <u>26</u> Township <u>18S</u> Range <u>35E</u> NMPM Lea County		8. Well Number <u>265</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3876' GR		9. OGRID Number <u>328449</u>
		10. Pool name or Wildcat Vacuum, Devonian, South

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.

On behalf of Catena Resources this C-103 is being submitted to request to TA the subject well with the below procedure.

1. RIH and Set CIBP @ 9830' + or - (top Perf at 9870')
2. Cap CIBP at 9830' w/ 35' Cement by wireline
3. Load hole with Packer fluid and pressure test to 500# for 30 minutes

**Condition of Approval: notify
OCD Hobbs office 24 hours
prior of running MIT Test & Chart**

Spud Date: 1/11/2005

Rig Release Date: 3/15/2005

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

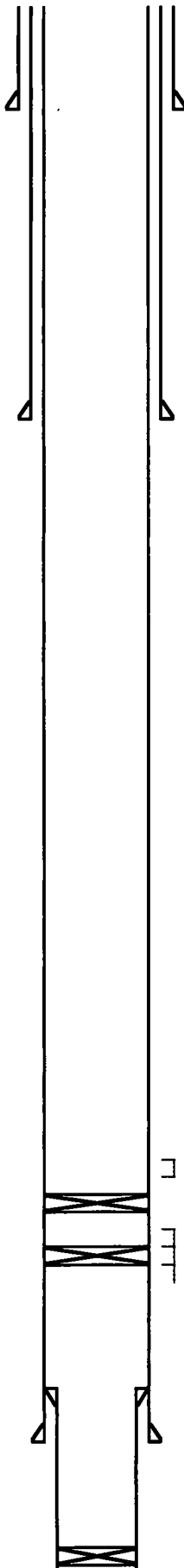
SIGNATURE Rachel Milne TITLE Regulatory Analyst III DATE 3/5/2020

Type or print name Rachel Milne E-mail address: ramilne@progressivepcs.net PHONE: (303) 309-1656

For State Use Only

APPROVED BY: Kerry Jut TITLE C O A DATE 3-22-20
Conditions of Approval (if any)

**Current
Wellbore Diagram**



Well Name:	South Vacuum 26-5
API No:	30-025-37035
Spud Date:	1/11/2005

Hole Size: 17-1/2"
 Surf Csg: 13.375", 48 lb/ft, H-40, ST&C @ 415'
 Lead Cement Blend: 210 sxs with 35.65Poz.; Class C; 6% D20; 1pps D29; 2% S1
 Tail Cement Blend: 235 sxs Class C +2% S001
 Returns: Bumped plug + 500psi. Had partial returns, no cement to surface sxs to surface.
 TOC: Surface

Hole Size: 12.250"
 Int Csg: FS 2 jts 9.625", FC 90 jts 9.625", 40 lb/ft, J55, STS; FS @ 3900' FC @ 3812'
 Lead Cement Blend: 1100 sxs 50/50 Poz; Class C +10% D20, 5% D44, .1pps D29, @ 11.9 ppg
 Tail Cement Blend: 190 sxs Neat C @ 14.8 ppg
 Returns: Cement to surface; Bumped plug +500psi; Floats held;
 TOC: Surface

Est TOC: 6,500' Marker Joint @ ?

Hole Size: 8.75"
 Prod Csg: 7" csg - FS shoe jt, Fc, shoe jt, 4 jts csg, 14 jts csg, open hole pkr & DV tool, 78 jts 29# P110, 78 jts 29# L80, 38 jts 26# N80, 100 jts 29# L80, 18 jts 29# N80 Buttruss @ 12,575'
 Capacity (bbl/ft): NA
 Preflush:

Lead Cement Blend: 135 sxs PVL @ 13ppg 1.39 yf

Tail Cement Blend: 620 sxs PVL @ 13ppg 1.39 yf

Returns:
 Displacement Inc:
 TOC est. 6500'

Hole Size: 6.125"
 Prod Csg: 5" liner - FS, shoe jt, Landing co., 65 jts liner, x-over, Liner Hanger, Hanger Pkr (2907') @15,248'
 Capacity (bbl/ft): NA
 Preflush: 20 bbls mud flush

Lead Cement Blend: 300 sxs PVL @ 13ppg 1.39 yf

Tail Cement Blend:

Returns:
 Displacement Inc:
 TOC

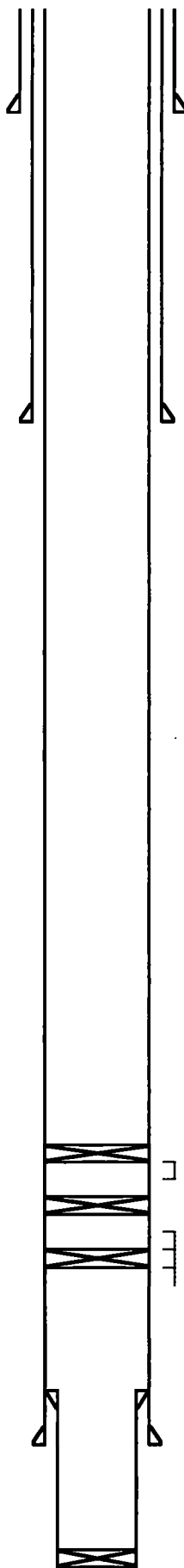
Perf (Formation): 9870'-9900'; 9900'-9930'; 9930'-9960'; 4spf; 360 holes (11-10-2014)
 cement, 2 - 40' bailers on top of CIBP (11-11-2014)
 CIBP @ 11,010' (11-10-2014)

Perf (Formation): 11440'-11470'; 11470'-11500'; 4spf 420 holes (8-4-2014)
 CIBP @ 11,530' (8-4-2014)

Perf (Formation): 11440'-11460'; 11486'-11496'; 11540'-11570'; unknown (11-5-2005)

CIBP @ 13,500'

PROPOSED
Wellbore Diagram



Well Name:	South Vacuum 26-5
API No:	30-025-37035
Spud Date:	1/11/2005

Hole Size: 17-1/2"
 Surf Csg: 13.375", 48 lb/ft, H-40, ST&C @ 415'
 Lead Cement Blend: 210 sxs with 35.65Poz.; Class C; 6% D20; 1pps D29; 2% S1
 Tail Cement Blend: 235 sxs Class C +2% S001
 Returns: Bumped plug + 500psi. Had partial returns, no cement to surface sxs to surface.
 TOC: Surface

Hole Size: 12.250"
 Int Csg: FS 2 jts 9.625", FC 90 jts 9.625", 40 lb/ft, J55, STS; FS @ 3900' FC @ 3812'
 Lead Cement Blend: 1100 sxs 50/50 Poz; Class C +10% D20, 5% D44, .1pps D29, @ 11.9 ppg
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 Returns: Cement to surface; Bumped plug +500psi; Floats held;
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Est TOC: 6,500' Marker Joint @ ?

Hole Size: 8.75"
 Prod Csg: 7" csg - FS shoe jt, Fc, shoe jt, 4 jts csg, 14 jts csg, open hole pkr & DV tool, 78 jts 29# P110, 78 jts 29# L80, 38 jts 26# N80, 100 jts 29# L80, 18 jts 29# N80 Butress) @ 12,575'
 Capacity (bbl/ft): NA
 Preflush: NA

Lead Cement Blend: 135 sxs PVL @ 13ppg 1.39 yl

Tail Cement Blend: 620 sxs PVL @ 13ppg 1.39 yl

Returns:
 Displacement Inc:
 TOC est. 6500'

Hole Size: 6.125"
 Prod Csg: 5" liner - FS, shoe jt, Landing co., 65 jts liner, x-over, Liner Hanger, Hanger Pkr (2907') @ 15,248'
 Capacity (bbl/ft): NA
 Preflush: 20 bbls mud flush

Lead Cement Blend: 300 sxs PVL @ 13ppg 1.39 yl

Tail Cement Blend:

Returns:
 Displacement Inc:
 TOC

35' Cement on top of CIBP
 CIBP @ 9,830' (proposed)
 Perf (Formation): 9870'-9900'; 9900'-9930'; 9930'-9960'; 4spf; 360 holes (11-10-2014)
 cement, 2 - 40' bailers on top of CIBP (11-11-2014)
 CIBP @ 11,010' (11-10-2014)

Perf (Formation): 11440'-11470'; 11470'-11500'; 4spf 420 holes (8-4-2014)
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CIBP @ 13,500'