

Submit One Copy To Appropriate District  
Office

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
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-103  
Revised November 3, 2011

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

2. Name of Operator

Blue Sky NM Inc.

3. Address of Operator

7941 Katy Freeway Suite 522 Houston, TX 77024

4. Well Location

Unit Letter F : 1982 feet from the N line and 2310 feet from the W line

Section 1 Township 09S Range 28E NMPM \_\_\_\_\_ County Chaves

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

WELL API NO.  
30-005-60293

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
Twin Lakes San Andres Unit

8. Well Number 065

9. OGRID Number

300825

10. Pool name or Wildcat

Cato; San Andres

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☒

CASING/CEMENT JOB ☐

☒ Location is ready for OCD inspection after P&A

- ☒ All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.  
☒ Rat hole and cellar have been filled and leveled. Cathodic protection holes have been properly abandoned.  
☒ A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete. It shows the

**OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER/QUARTER LOCATION OR  
UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. All INFORMATION HAS BEEN WELDED OR  
PERMANENTLY STAMPED ON THE MARKER'S SURFACE.**

- ☐ The location has been leveled as nearly as possible to original ground contour and has been cleared of all junk, trash, flow lines and other production equipment.  
☐ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.  
☐ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from lease and well location.  
☐ All metal bolts and other materials have been removed. Portable bases have been removed. (Poured onsite concrete bases do not have to be removed.)  
☐ All other environmental concerns have been addressed as per OCD rules.  
☐ Pipelines and flow lines have been abandoned in accordance with 19.15.35.10 NMAC. All fluids have been removed from non-retrieved flow lines and pipelines.  
☐ If this is a one-well lease or last remaining well on lease: all electrical service poles and lines have been removed from lease and well location, except for utility's distribution infrastructure.

When all work has been completed, return this form to the appropriate District office to schedule an inspection.

SIGNATURE \_\_\_\_\_ TITLE\_ Authorized Representative

DATE 1/24/22

TYPE OR PRINT NAME \_Drake McCulloch

E-MAIL: [drake@dwsrigns.com](mailto:drake@dwsrigns.com)

PHONE (505) 320-1180

For State Use Only

APPROVED BY: 

TITLE Petroleum Specialist

DATE 04/17/2023

## **Blue Sky NM, INC.**

### **Plug And Abandonment End Of Well Report**

#### **Twin Lakes San Andres Unit #065**

1980' FNL & 2310' FWL, Section 1, 09S, 28E

Chaves County, NM / API 30-005-60293

#### **Work Summary:**

- 12/12/22** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 12/13/22** Arrived on location and held safety meeting. R/U P&A rig. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/D wellhead. N/U BOP and function tested. TOOH with 102 rods, polished rod, and pump. Released tubing anchors. TOOH with 9 joints of tubing and tubing parted at the collar. TIH and tagged fish at 303'. TOOH. Secured and shut in well for the day.
- 12/14/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Made up 2-3/8" overshot and TIH. Latched onto fish and pulled 35 joints out of hole. L/D tubing. TIH to continue fishing. Ran into tight spot at 880'. TOOH and overshot was packed with sand. Wait on orders. Scouted next location. Secured and shut in well for the day.
- 12/15/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Waited on collars and skirted mill to show up. Made up skirted mill and TIH with drill collars. R/U power swivel and started milling at 880'. Drilled 7' to 887'. Circulated hole clean and TOOH with tubing, collars, and skirted mill. Secured and shut in well for the day.
- 12/16/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Waited on orders because skirted mill was worn. TIH with 3 blade junk mill. Tagged higher than previous depth at 774'. Nipped up

power swivel. Established circulation with 10 bbls. Started milling, achieved 25' in 2 hr 10 min. Returns look like coal. Circulated hole clean and made up a joint. Depth is at 805'. Continued milling but got hung up. Once free was able to pull up but could not return to previous depth. L/D the joint we had picked up and began to work the pipe. Same results. Circulated hole, L/D another joint, and began to work the hole. P/U previous joint and began milling. Milled for 20 minutes. Rolled hole clean and TOOH with tubing and mill. TIH with notched collar and tagged up on joint #33 at 1064'. Worked pipe. TOOH with 8 joints. Secured and shut in well for the day.

**12/17/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with notched collar and tubing. Again, tagged at 1064'. Circulated fill out of wellbore until noon. TOOH with a few joints. TIH and circulated fill out of well bore. Attempted to trip back in hole, only able to get to 1645'. Unable to make more progress. TOOH with tubing and notched collar. Secured and shut in well for the day.

**12/18/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with notched collar. Clean out fill to 1873'. TOOH with tubing and notched collar. TIH with tubing and tag sub to 1873'. R/U cementing services. Pumped plug #1 from 1873' to 1660' with 25 sx. TOOH with tubing and tag sub, Secured and shut in well for the day. Took load to disposal.

**12/19/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #1 at 1762'. TOOH. R/U wireline services. RIH and logged well. POOH. TIH with notched collar and cleaned out fill. R/U cementing services. Continued pumping plug #1 from 1762' to 1549'. TOOH. WOC 4 hours. TIH and tagged top of plug #1 at 1679'. Pumped mud spacer from 1679' to 1540'. L/D 6 joints and added two 10' pup joints. R/U cementing services. Pumped plug #2 from 1540' to 1165'. TOOH. WOC overnight. Secured and shut in well for the day.

**12/20/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1454'. R/U cementing services. Continued pumping plug #2 from 1453' to 1165' with 33 sx. TOOH. WOC 4 hours. TIH and tagged at 1406'. R/U cementing services. Continued pumping plug #2 from 1406' to 1165' with 28 sx. TOOH. WOC 4 hours. TIH and tagged the top of plug #2 at 1258'. R/U cementing services. Continued pumping plug #2 from 1258' to 1100'



with 19 sx. TOOH. WOC overnight. Secured and shut in well for the day.

**12/21/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with 4.3 bbls of hemp LCM. TOOH. WOC overnight. Secured and shut in well for the day.

**12/22/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with grease water. TOOH WOC 4 hours. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with fresh water. TOOH. Shut down for the long weekend. Secured and shut in well.

**1/4/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1288'. R/U cementing services. Continued pumping plug #2 from 1288' to 1100'. L/D 8 joints and TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1179'. R/U cementing services. Continued pumping plug #2 from 1179' to 908'. TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1126'. R/U cementing services. Continued pumping plug #2 from 1126' to 990' with 16 sx. TOOH. WOC overnight. Secured and shut in well.

**1/5/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1072'. Attempted to pressure test casing but was unsuccessful. TOOH. Rig up wireline services. RIH and perforated at 822'. POOH. P/U 5.5" packer. TIH and set packer at 447'. Successful established injection rate. Began pumping plug #3 from 822' to 447' with 106 sx. TOOH. WOC 4 hours. TIH and tagged at 97'. Secured and shut in well for the day.

**1/7/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Rig up P&A unit and equipment. ND WH, NU BOP and function tested. RU floor. Prep and tally 2-3/8" work string. TIH with tubing and tagged at 97'. R/U power swivel. Drilled out cement from 97' to 140'. R/D power swivel. Secured and shut in well for the day.

- 1/8/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 140' to 205'. R/D power swivel. Secured and shut in well for the day.
- 1/9/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 200' to 290'. R/D power swivel. Secured and shut in well for the day.
- 1/10/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 290' to 375'. R/D power swivel. Secured and shut in well for the day.
- 1/11/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 375' to 455'. R/D power swivel. Secured and shut in well for the day.
- 1/12/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Performed rig repairs. R/U power swivel. Drilled out cement from 495' to 560'. R/D power swivel. Secured and shut in well for the day.
- 1/17/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Performed rig repairs. R/U power swivel. Drilled out cement from 560' to 750'. R/D power swivel. Secured and shut in well for the day.
- 1/18/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 750' to 840'. Circulated hole clean. R/D power swivel. Successfully pressure tested casing to 800 psi. TOOH. R/U wireline services. RIH and perforated at 830'. POOH. Attempted to get an injection rate but was unsuccessful. TIH to 840'. R/U cementing services. Continued pumping plug #3 from 840' to 400' with 50 sx. L/D 14 joints. Reverse circulated at 391'. Pumped salt/gel spacer from 391 to 90'. L/D tubing. R/U wireline services. RIH and perforated at 90'. POOH. R/U cementing services. Successfully circulated water down 4.5" casing, into perforations and out BV valve at surface. R/U cementing services. Pumped cement down 4.5" casing, into perforations and out BV valve at surface with 40 sx (10 sx in 4.5", 30 sx in 8.6"). R/D cementers. R/D floor, ND BOP, NU WH.
- 1/19/23** Arrived on location and held safety meeting. Used backhoe to safely expose wellhead. R/U water jet wellhead cutter. Performed water jet

cutoff. Removed old wellhead. Tagged cement at 25' in 5.5" casing, and 12' in 8.6" Casing. R/U cementing services and filled both casing strings to surface with 10 sx (7 sx in 8.6", 3 sx in 5.5"). Welder attached marker per NMOC regulations.

### **Plug Summary:**

#### **Plug #1: (San Andres Perforations and Formation Top, 1,873'-1,679', 50 Sacks Type I/II Cement)**

TIH with tubing and tag sub to 1873'. R/U cementing services. Pumped plug #1 from 1873' to 1660' with 25 sx. TOOH with tubing and tag sub. WOC. TIH and tagged top of plug #1 at 1762'. TOOH. R/U wireline services. RIH and logged well. POOH. TIH with notched collar and cleaned out fill. R/U cementing services. Continued pumping plug #1 from 1762' to 1549'. TOOH. WOC 4 hours. TIH and tagged top of plug #1 at 1679'.

#### **Plug #2: (Queen Formation Top 1,540-1,072', 273 Sacks Type I/II Cement)**

R/U cementing services. Pumped plug #2 from 1540' to 1165'. TOOH. WOC overnight. TIH and tagged top of plug #2 at 1454'. R/U cementing services. Continued pumping plug #2 from 1453' to 1165' with 33 sx. TOOH. WOC 4 hours. TIH and tagged at 1406'. R/U cementing services. Continued pumping plug #2 from 1406' to 1165' with 28 sx. TOOH. WOC 4 hours. TIH and tagged the top of plug #2 at 1258'. R/U cementing services. Continued pumping plug #2 from 1258' to 1100' with 19 sx. TOOH. WOC overnight. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaces with 4.3 bbls of hemp LCM. TOOH. WOC overnight. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with grease water. TOOH WOC 4 hours. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with fresh water. TOOH. WOC. TIH and tagged top of plug #2 at 1288'. R/U cementing services. Continued pumping plug #2 from 1288' to 1100'. L/D 8 joints and TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1179'. R/U cementing services. Continued pumping plug #2 from 1179' to 908'. TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1126'. R/U cementing services. Continued pumping plug #2 from 1126' to 990' with 16 sx. TOOH. WOC overnight. TIH and tagged top of plug #2 at 1072'.

**Plug #3: (Yates Formation Top, 822' to 400', 156 Sacks Type I/II Cement)**

Rig up wireline services. RIH and perforated at 822'. POOH. P/U 5.5" packer. TIH and set packer at 447'. Successful established injection rate. Began pumping plug #3 from 822' to 447' with 106 sx. TOOH. WOC 4 hours. TIH and tagged at 97'. Drilled out cement to 840'. Successfully pressure tested casing to 800 psi. TOOH. R/U wireline services. RIH and perforated at 830'. POOH. Attempted to get an injection rate but was unsuccessful. TIH to 840'. R/U cementing services. Continued pumping plug #3 from 840' to 400' with 50 sx.

**Plug #4: (Surface Casing Shoe, 90' to Surface', 50 Sacks Type III Cement (10 sx for top off))**

R/U wireline services. RIH and perforated at 90'. POOH. R/U cementing services. Successfully circulated water down 4.5" casing, into perforations and out BV valve at surface. R/U cementing services. Pumped cement down 4.5" casing, into perforations and out BV valve at surface with 40 sx (10 sx in 4.5", 30 sx in 8.6"). R/U water jet wellhead cutter. Preformed water jet cutoff. Removed old wellhead. Tagged cement at 25' in 5.5" casing, and 12' in 8.6" Casing. R/U cementing services and filled both casing strings to surface with 10 sx (7 sx in 8.6", 3 sx in 5.5"). Welder attached marker per NMOCD regulations.

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## Completed Wellbore Diagram

Blue Sky NM Inc.  
Twin Lakes San Andres Unit #065  
API: 30-005-60293  
Chaves County, New Mexico

### Surface Casing

8.625" 24# @ 40 ft  
OH: 12.25'

### Plug 4

90 feet - surface  
90 foot plug  
50 Sacks of Type III Cement

### Plug 3

822 feet - 400 feet  
422 foot plug  
156 Sacks of Type III Cement

### Plug 2

1540 feet - 1072 feet  
468 foot plug  
273 Sacks of Type III Cement

### Plug 1

1873 feet - 1679 feet  
194 foot plug  
50 sacks of Type III Cement

### Perforations

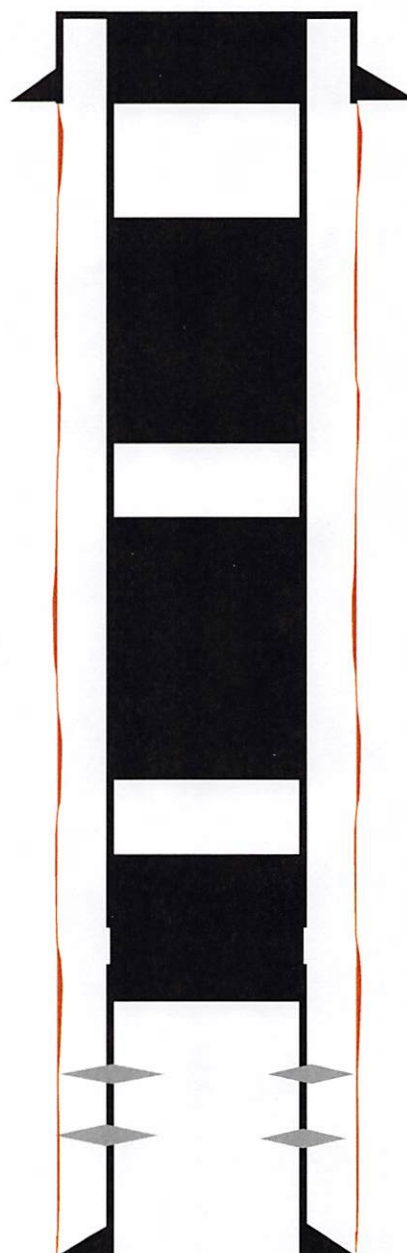
2574 feet - 2604 feet

### Formation

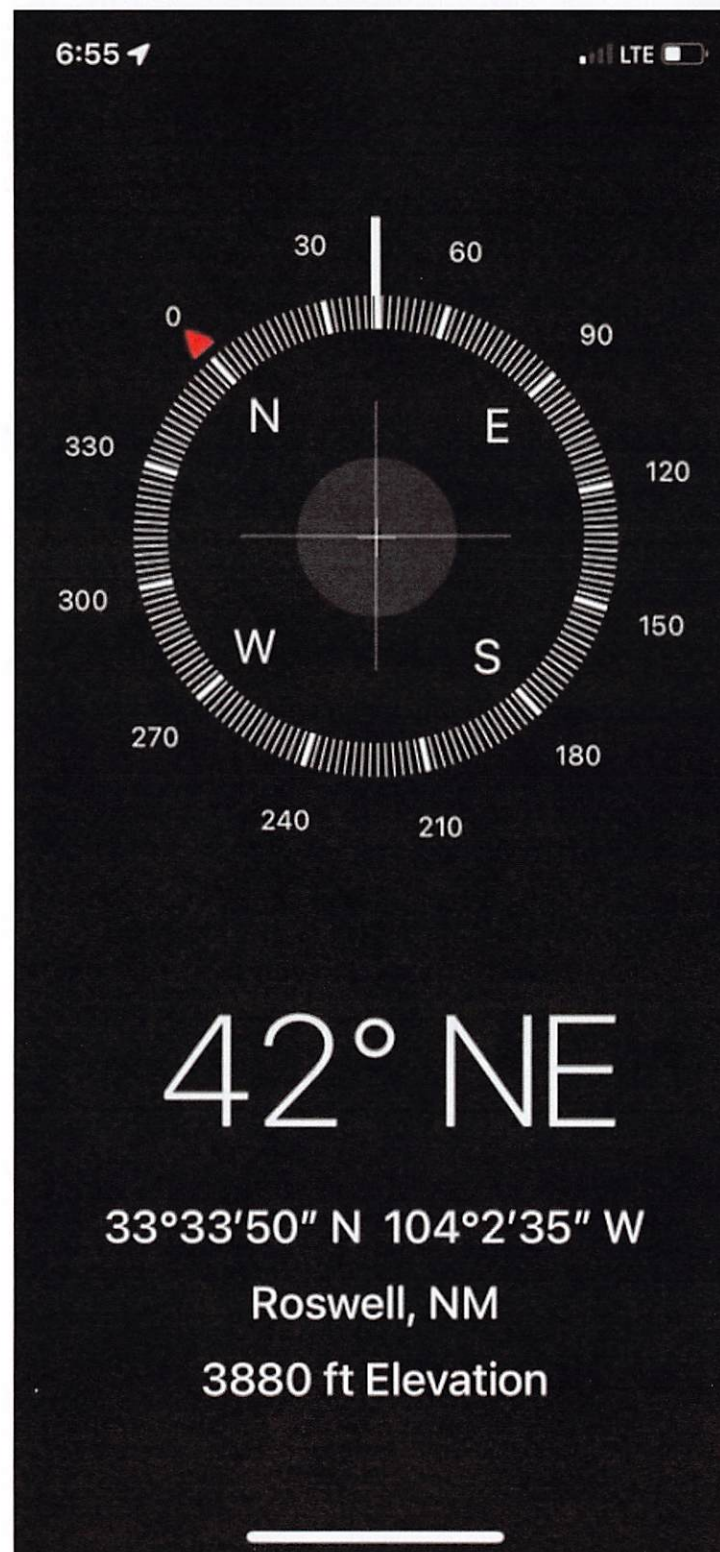
Yates - 772 feet  
Queen - 1490 feet  
San Andres - 2000 feet

### Production Casing

4.5" 9.5# @ 2650 feet  
OH: 7.875"





















## **Blue Sky NM, INC.**

### **Plug And Abandonment End Of Well Report**

#### **Twin Lakes San Andres Unit #065**

1980' FNL & 2310' FWL, Section 1, 09S, 28E

Chaves County, NM / API 30-005-60293

#### **Work Summary:**

- 12/12/22** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 12/13/22** Arrived on location and held safety meeting. R/U P&A rig. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/D wellhead. N/U BOP and function tested. TOOH with 102 rods, polished rod, and pump. Released tubing anchors. TOOH with 9 joints of tubing and tubing parted at the collar. TIH and tagged fish at 303'. TOOH. Secured and shut in well for the day.
- 12/14/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Made up 2-3/8" overshot and TIH. Latched onto fish and pulled 35 joints out of hole. L/D tubing. TIH to continue fishing. Ran into tight spot at 880'. TOOH and overshot was packed with sand. Wait on orders. Scouted next location. Secured and shut in well for the day.
- 12/15/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Waited on collars and skirted mill to show up. Made up skirted mill and TIH with drill collars. R/U power swivel and started milling at 880'. Drilled 7' to 887'. Circulated hole clean and TOOH with tubing, collars, and skirted mill. Secured and shut in well for the day.
- 12/16/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Waited on orders because skirted mill was worn. TIH with 3 blade junk mill. Tagged higher than previous depth at 774'. Nipped up

power swivel. Established circulation with 10 bbls. Started milling, achieved 25' in 2 hr 10 min. Returns look like coal. Circulated hole clean and made up a joint. Depth is at 805'. Continued milling but got hung up. Once free was able to pull up but could not return to previous depth. L/D the joint we had picked up and began to work the pipe. Same results. Circulated hole, L/D another joint, and began to work the hole. P/U previous joint and began milling. Milled for 20 minutes. Rolled hole clean and TOOH with tubing and mill. TIH with notched collar and tagged up on joint #33 at 1064'. Worked pipe. TOOH with 8 joints. Secured and shut in well for the day.

**12/17/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with notched collar and tubing. Again, tagged at 1064'. Circulated fill out of wellbore until noon. TOOH with a few joints. TIH and circulated fill out of well bore. Attempted to trip back in hole, only able to get to 1645'. Unable to make more progress. TOOH with tubing and notched collar. Secured and shut in well for the day.

**12/18/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with notched collar. Clean out fill to 1873'. TOOH with tubing and notched collar. TIH with tubing and tag sub to 1873'. R/U cementing services. Pumped plug #1 from 1873' to 1660' with 25 sx. TOOH with tubing and tag sub, Secured and shut in well for the day. Took load to disposal.

**12/19/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #1 at 1762'. TOOH. R/U wireline services. RIH and logged well. POOH. TIH with notched collar and cleaned out fill. R/U cementing services. Continued pumping plug #1 from 1762' to 1549'. TOOH. WOC 4 hours. TIH and tagged top of plug #1 at 1679'. Pumped mud spacer from 1679' to 1540'. L/D 6 joints and added two 10' pup joints. R/U cementing services. Pumped plug #2 from 1540' to 1165'. TOOH. WOC overnight. Secured and shut in well for the day.

**12/20/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1454'. R/U cementing services. Continued pumping plug #2 from 1453' to 1165' with 33 sx. TOOH. WOC 4 hours. TIH and tagged at 1406'. R/U cementing services. Continued pumping plug #2 from 1406' to 1165' with 28 sx. TOOH. WOC 4 hours. TIH and tagged the top of plug #2 at 1258'. R/U cementing services. Continued pumping plug #2 from 1258' to 1100'

with 19 sx. TOOH. WOC overnight. Secured and shut in well for the day.

- 12/21/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with 4.3 bbls of hemp LCM. TOOH. WOC overnight. Secured and shut in well for the day.
- 12/22/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with grease water. TOOH WOC 4 hours. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with fresh water. TOOH. Shut down for the long weekend. Secured and shut in well.
- 1/4/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1288'. R/U cementing services. Continued pumping plug #2 from 1288' to 1100'. L/D 8 joints and TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1179'. R/U cementing services. Continued pumping plug #2 from 1179' to 908'. TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1126'. R/U cementing services. Continued pumping plug #2 from 1126' to 990' with 16 sx. TOOH. WOC overnight. Secured and shut in well.
- 1/5/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged top of plug #2 at 1072'. Attempted to pressure test casing but was unsuccessful. TOOH. Rig up wireline services. RIH and perforated at 822'. POOH. P/U 5.5" packer. TIH and set packer at 447'. Successful established injection rate. Began pumping plug #3 from 822' to 447' with 106 sx. TOOH. WOC 4 hours. TIH and tagged at 97'. Secured and shut in well for the day.
- 1/7/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Rig up P&A unit and equipment. ND WH, NU BOP and function tested. RU floor. Prep and tally 2-3/8" work string. TIH with tubing and tagged at 97'. R/U power swivel. Drilled out cement from 97' to 140'. R/D power swivel. Secured and shut in well for the day.

- 1/8/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 140' to 205'. R/D power swivel. Secured and shut in well for the day.
- 1/9/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 200' to 290'. R/D power swivel. Secured and shut in well for the day.
- 1/10/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 290' to 375'. R/D power swivel. Secured and shut in well for the day.
- 1/11/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 375' to 455'. R/D power swivel. Secured and shut in well for the day.
- 1/12/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Performed rig repairs. R/U power swivel. Drilled out cement from 495' to 560'. R/D power swivel. Secured and shut in well for the day.
- 1/17/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Performed rig repairs. R/U power swivel. Drilled out cement from 560' to 750'. R/D power swivel. Secured and shut in well for the day.
- 1/18/23** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Drilled out cement from 750' to 840'. Circulated hole clean. R/D power swivel. Successfully pressure tested casing to 800 psi. TOOH. R/U wireline services. RIH and perforated at 830'. POOH. Attempted to get an injection rate but was unsuccessful. TIH to 840'. R/U cementing services. Continued pumping plug #3 from 840' to 400' with 50 sx. L/D 14 joints. Reverse circulated at 391'. Pumped salt/gel spacer from 391 to 90'. L/D tubing. R/U wireline services. RIH and perforated at 90'. POOH. R/U cementing services. Successfully circulated water down 4.5" casing, into perforations and out BV valve at surface. R/U cementing services. Pumped cement down 4.5" casing, into perforations and out BV valve at surface with 40 sx (10 sx in 4.5", 30 sx in 8.6"). R/D cementers. R/D floor, ND BOP, NU WH.
- 1/19/23** Arrived on location and held safety meeting. Used backhoe to safely expose wellhead. R/U water jet wellhead cutter. Performed water jet

cutoff. Removed old wellhead. Tagged cement at 25' in 5.5" casing, and 12' in 8.6" Casing. R/U cementing services and filled both casing strings to surface with 10 sx (7 sx in 8.6", 3 sx in 5.5"). Welder attached marker per NMOC regulations.

**Plug Summary:**

**Plug #1: (San Andres Perforations and Formation Top, 1,873'-1,679', 50 Sacks Type I/II Cement)**

TIH with tubing and tag sub to 1873'. R/U cementing services. Pumped plug #1 from 1873' to 1660' with 25 sx. TOOH with tubing and tag sub. WOC. TIH and tagged top of plug #1 at 1762'. TOOH. R/U wireline services. RIH and logged well. POOH. TIH with notched collar and cleaned out fill. R/U cementing services. Continued pumping plug #1 from 1762' to 1549'. TOOH. WOC 4 hours. TIH and tagged top of plug #1 at 1679'.

**Plug #2: (Queen Formation Top 1,540-1,072', 273 Sacks Type I/II Cement)**

R/U cementing services. Pumped plug #2 from 1540' to 1165'. TOOH. WOC overnight. TIH and tagged top of plug #2 at 1454'. R/U cementing services. Continued pumping plug #2 from 1453' to 1165' with 33 sx. TOOH. WOC 4 hours. TIH and tagged at 1406'. R/U cementing services. Continued pumping plug #2 from 1406' to 1165' with 28 sx. TOOH. WOC 4 hours. TIH and tagged the top of plug #2 at 1258'. R/U cementing services. Continued pumping plug #2 from 1258' to 1100' with 19 sx. TOOH. WOC overnight. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaces with 4.3 bbls of hemp LCM. TOOH. WOC overnight. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with grease water. TOOH WOC 4 hours. TIH and tagged top of plug #2 at 1250'. R/U cementing services. Continued pumping plug #2 from 1250' to 1100'. Displaced with fresh water. TOOH. WOC. TIH and tagged top of plug #2 at 1288'. R/U cementing services. Continued pumping plug #2 from 1288' to 1100'. L/D 8 joints and TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1179'. R/U cementing services. Continued pumping plug #2 from 1179' to 908'. TOOH. WOC 4 hours. TIH and tagged top of plug #2 at 1126'. R/U cementing services. Continued pumping plug #2 from 1126' to 990' with 16 sx. TOOH. WOC overnight. TIH and tagged top of plug #2 at 1072'.



**Plug #3: (Yates Formation Top, 822' to 400', 156 Sacks Type I/II Cement)**

Rig up wireline services. RIH and perforated at 822'. POOH. P/U 5.5" packer. TIH and set packer at 447'. Successful established injection rate. Began pumping plug #3 from 822' to 447' with 106 sx. TOOH. WOC 4 hours. TIH and tagged at 97'. Drilled out cement to 840'. Successfully pressure tested casing to 800 psi. TOOH. R/U wireline services. RIH and perforated at 830'. POOH. Attempted to get an injection rate but was unsuccessful. TIH to 840'. R/U cementing services. Continued pumping plug #3 from 840' to 400' with 50 sx.

**Plug #4: (Surface Casing Shoe, 90' to Surface', 50 Sacks Type III Cement (10 sx for top off))**

R/U wireline services. RIH and perforated at 90'. POOH. R/U cementing services. Successfully circulated water down 4.5" casing, into perforations and out BV valve at surface. R/U cementing services. Pumped cement down 4.5" casing, into perforations and out BV valve at surface with 40 sx (10 sx in 4.5", 30 sx in 8.6"). R/U water jet wellhead cutter. Preformed water jet cutoff. Removed old wellhead. Tagged cement at 25' in 5.5" casing, and 12' in 8.6" Casing. R/U cementing services and filled both casing strings to surface with 10 sx (7 sx in 8.6", 3 sx in 5.5"). Welder attached marker per NMOCD regulations.

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## Completed Wellbore Diagram

Blue Sky NM Inc.  
Twin Lakes San Andres Unit #065  
API: 30-005-60293  
Chaves County, New Mexico

### Surface Casing

8.625" 24# @ 40 ft  
OH: 12.25'

### Plug 4

90 feet - surface  
90 foot plug  
50 Sacks of Type III Cement

### Plug 3

822 feet - 400 feet  
422 foot plug  
156 Sacks of Type III Cement

### Plug 2

1540 feet - 1072 feet  
468 foot plug  
273 Sacks of Type III Cement

### Plug 1

1873 feet - 1679 feet  
194 foot plug  
50 sacks of Type III Cement

### Perforations

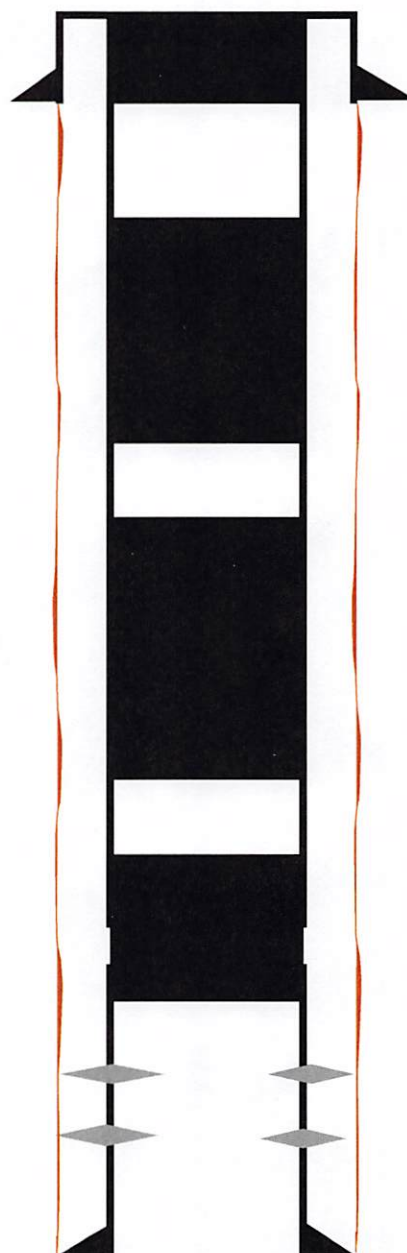
2574 feet - 2604 feet

### Formation

Yates - 772 feet  
Queen - 1490 feet  
San Andres - 2000 feet

### Production Casing

4.5" 9.5# @ 2650 feet  
OH: 7.875"



**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

COMMENTS  
  
Action 181445

COMMENTS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 181445
	Action Type: [C-103] Sub. Plugging (C-103P)

COMMENTS

Created By	Comment	Comment Date
john.harrison	Need site clean up and final photos.	4/17/2023

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
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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  
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State of New Mexico  
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CONDITIONS  
  
Action 181445

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 181445
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	4/17/2023