

Submit a Copy To Appropriate District  
Office  
District I – (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
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District III – (505) 334-6178  
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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

WELL API NO. 30-005-60578	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Twin Lakes San Andres Unit	
8. Well Number 012	
9. OGRID Number 300825	
10. Pool name or Wildcat Cato; San Andres	
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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
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 <u>P</u> <u>330</u> feet from the <u>S</u> line and <u>330</u> feet from the <u>E</u> line Section <u>25</u> Township <u>08S</u> Range <u>28E</u> NMPM County <u>Chaves</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input checked="" type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <input 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.

NMOCD has plugged well according to attached EOW files and wellbore diagram.

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: Ethan Wakefield TITLE: Authorized Representative DATE 10/31/22

Type or print name: Ethan Wakefield E-mail address: ewakefield@dwsrigs.com PHONE: 405-343-7736

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

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

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

#### **Twin Lakes San Andres Unit #012**

330' FSL & 330' FEL, Section 25, 08S, 28E

Chaves County, NM / API 30-005-60578

#### **Work Summary:**

- 10/24/22** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 10/25/22** 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. Rig up floor, tongs, rig. Picked up 5.5" casing scraper. Attempted to TIH but tagged at 15'. L/D scraper and attempted to TIH with a notched collar but tagged at 15' again. Rigged up swivel, pumped water while rotating. Was able to get to get about 37' into the hole. Laid down both joints and shut down for the night. Secured and shut in well.
- 10/26/22** Arrived on location and held safety meeting. Waiting on drill collars and bit subs. Performed rig maintenance, pump maintenance, and forklift maintenance while waiting.
- 10/27/22** 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 and pump. Started drilling at 45'. Drilled 15' in 3 hours. Made a connection and drilled 20' total. Laid down collars and swivel. Shutdown and secured well for the day
- 10/28/22** 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 to continue drilling or milling. Secured and shut in well.
- 10/29/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down

well. Waited for mill to arrive. P/U mill and set up equipment to start drilling. Milled 2'. Shut in and secured well for the day.

- 10/30/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Milled well all day. Made 8' of progress to approximately 65'. Secured and shut in well for the day.
- 10/31/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Began fishing operations. Attempted to fish with an overshot and grapple. Attempted with a 2-3/8" grapple, a 2-7/8" grapple, and a 3-1/4" grapple. All attempts were unsuccessful. Marked up outside of grapple with pipe dope to see where the grapple was contacting. Discussed fishing issues with Terry Fortner and David Alvarado. It is believed we there is no tubing in hole and that casing has collapsed. The decision has been made to attempt fishing with an impression block on 11/1/22. Secured and shut in well for the day.
- 11/1/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U impression block. Completed a round trip with impression block. Discussed impression block findings. Rigged up power swivel and TIH with a 5-blade junk mill. Milled to 80'. TOOH. Secured and shut in well for the day.
- 11/2/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U mill, drill collars, and power swivel. Started milling, made progress to 86'. Circulated and cleaned well with 10 bbls of fresh water. TOOH. R/U downhole cameras. Visuals were poor but we were able to see holes and scarring on the casing. POOH. R/U a 4" camera in hopes to improve picture quality. Was unable to TIH with the 4" camera, camera would hang up at 19'. POOH. R/U smaller cameras previously used. TIH and attempted to get better pictures. POOH. Secured and shut in well for the day.
- 11/3/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with a rock bit and drill collars. Began drilling. TOOH for bit inspection. Bit looked good. TIH and continued drilling. TOOH on recommendation from BLM advisor to switch from rock bit to a mill. TIH with mill. Began milling and lost circulation at 88' for about 3 minutes. When circulation returned, we began seeing more oil. TOOH with mill and collars and P/U impression block. TIH with impression block. TOOH. Impression block had scars on the outside of block. Secured and shut in well for the day.

- 11/7/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Picked up skirted bit and drill collars. TIH. Milled to 106'. TOO H and L/D bit and collars. P/U impression block. TIH and tagged fish. Impression block had a good round Imprint. Received orders to fish with a 2-3/8" grapple. TIH and tagged fish. Weight indicator displayed 10,000 lbs. Successfully laid down 58.5 joints of tubing. Was not able to get all tubing out of hole, 690' was left in hole. TIH with tubing and tagged at 1873'. TOO H. Secured and shut in well for the day.
- 11/8/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Picked up skirted bit and TIH. Milled for an hour. P/U a joint and made a connection. Milled for an additional hour. TOO H. P/U 2-3/8" grapple. Began to TIH. Grapple got hung up at 1518', manipulated grapple and was able to get it to pass. TIH to 1873. Attempted to fish but had no weight on indicator. TOO H and LD a 30' section of pipe. TIH again with a 2-3/8" grapple. Tagged fish at 1941'. Engaged grapple with tongs and TOO H. Pulled out at 4' section pf pipe. Secured and shut in well for the day.
- 11/9/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Changed out drill line on the rig. TIH with 2-3/8" grapple. Successfully pulled out 91' of tubing. TIH with skirted mill. Unable to get passed 1518'. TOO H. TIH with a 4-3/8" bit. Again, tagged at 1518' and could not pass. TOO H. TIH with a skirted mill. Successfully tripped to 1815'. N/U power swivel and began milling. Cleaned hole with fresh water. Tripped 20 joints. Secured and shut in well for the day.
- 11/10/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with skirted mill. Milled about 8' to 1518'. TOO H and L/D mill. P/U 5-1/2" CR. TIH and set CR at 1468'. Wait on welder to fix leaking casing. TOO H. Allowed welder to finish welding. Secured and shut in well for the day.
- 11/11/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with stinger to 1468'. Sting into CR and successfully established injection rate. R/U cementing services. Batch mix 15.6 lb cement. Pumped plug #1 from 2328' to 1468'. TOO H. Waited on wireline for the remainder of the day. Secured and shut in well.

- 11/12/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. RIH with wireline and logged well. POOH. Set up wireline perforation equipment. RIH and perforated at 1468'. POOH. TIH with a packer and set at 1198'. Successfully established injection rate. R/U cementing services and continued pumping plug #1 from 1468' to approximately 1298'. WOC 4 hours. TIH and tagged at 1468'. Secured and shut in well.
- 11/13/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U packer. TIH with packer and set at 1198'. Successfully established injection rate. R/U cementing services and continued pumping plug #1 with 100 sx. TOOH with packer. WOC 4 hours. TIH and tagged at 1459'. R/U cementing services. Continued pumping plug #1 from 1459' to approximately 1100'. TOOH and WOC 4 hours. TIH and tagged at 1309'. R/U cementing services and continued pumping plug #1 from 1309' to 1100'. TOOH. Secured and shut in well.
- 11/14/22** 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 1258'. Filled hole with mud spacer from 1258' to 900'. TOOH. R/U wireline services. RIH and perforate at 900'. POOH. P/U packer. TIH and set packer at 549'. Successfully established an injection rate. R/U cementing services. Pumped plug #2 from 900' to approximately 650' with 70 sx of cement. TOOH. WOC 4 hours. TIH but did not tag cement. TOOH. P/U packer. TIH and set at 549'. R/U cementing services. Repumped plug #2 from 900' to approximately 650' with 70 sx of cement. TOOH. WOC overnight. Secured and shut in well for the night.
- 11/15/22** Arrived on location and held safety meeting. Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with tubing but did not tag cement. Moved end of tubing to 950'. R/U cementing services. Continued pumping plug #2 with 90 sx from 950' to 171'. TOOH. WOC 4 hours. TIH and Tagged top of Plug #2 at 838'. R/U cementing services and continued pumping plug #2 from 838' to 171'. TOOH. WOC overnight. Secured and shut in well for the night.
- 11/16/22** 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 op of plug #2 at 476'. R/U cementing services. Continued pumping plug #2 from 467' to 171' with 34 sx. TOOH. R/U wireline services. RIH and perforated at 177'. POOH. TIH with tubing to 175'. R/U cementing services. Pumped plug #3 from 175'

to surface with 21 sx in 5.5" casing and 52 sx in annulus. TOOH. Rig down equipment and prepare to MOL.

**11/18/22** 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 6' in 5.5" casing, and 1' in the annulus. R/U cementing services and pumped 12 sx total to fill casing and annulus. Welder attached marker per NMOCD regulations.

### **Plug Summary:**

#### **Plug #1: San Andres Perforations, San Andres and Queen Formation Top, 2,328'-1,258', 315 Sacks Type III Cement**

P/U 5-1/2" CR. TIH and set CR at 1468'. TIH with stinger to 1468'. Sting into CR and successfully established injection rate. R/U cementing services. Batch mix 15.6 lb cement. Pumped plug #1 from 2328' to 1468'. Set up wireline perforation equipment. RIH and perforated at 1468'. POOH. TIH with a packer and set at 1198'. Successfully established injection rate. R/U cementing services and continued pumping plug #1 from 1468' to approximately 1298'. WOC 4 hours. TIH and tagged at 1468'. P/U packer. TIH with packer and set at 1198'. Successfully established injection rate. R/U cementing services and continued pumping plug #1 with 100 sx. TOOH with packer. WOC 4 hours. TIH and tagged at 1459'. R/U cementing services. Continued pumping plug #1 from 1459' to approximately 1100'. TOOH and WOC 4 hours. TIH and tagged at 1309'. R/U cementing services and continued pumping plug #1 from 1309' to 1100'. TOOH. TIH and tagged top of Plug #1 at 1258'.

#### **Plug #2: Yates Formation Top 950 - ~177', 342 Sacks Type III Cement (Inside/Outside)**

R/U wireline services. RIH and perforate at 900'. POOH. P/U packer. TIH and set packer at 549'. Successfully established an injection rate. R/U cementing services. Pumped plug #2 from 900' to approximately 650' with 70 sx of cement. TOOH. WOC 4 hours. TIH but did not tag cement. TOOH. P/U packer. TIH and set at 549'. R/U cementing services. Repumped plug #2 from 900' to approximately 650' with 70 sx of cement. TOOH. WOC overnight. TIH with tubing but did not tag cement. Moved end of tubing to 950'. R/U cementing services. Continued pumping plug #2 with 90 sx from 950' to 171'. TOOH. WOC 4 hours. TIH and Tagged top of Plug #2 at 838'. R/U cementing services and continued pumping plug #2 from 838' to 171'. TOOH. WOC overnight. TIH and tagged op of plug #2 at 476'.



R/U cementing services. Continued pumping plug #2 from 467' to 171' with 34 sx.

**Plug #3: Surface Casing Shoe, 175' - Surface', 85 Sacks Type III Cement [12 sx for top off] (Inside/Outside)**

R/U wireline services. RIH and perforated at 177'. POOH. TIH with tubing to 175'. R/U cementing services. Pumped plug #3 from 175' to surface with 21 sx in 5.5" casing and 52 sx in annulus. TOOH. Used backhoe to safely expose wellhead. R/U water jet wellhead cutter. Preformed water jet cutoff. Removed old wellhead. Tagged cement at 6' in 5.5" casing, and 1' in the annulus. R/U cementing services and pumped 12 sx total to fill casing and annulus. Welder attached marker per NMOC regulations.

## Completed Wellbore Diagram

Blue Sky NM Inc.  
Twin Lakes San Andres Unit #012  
API: 30-005-60578  
Chaves County, New Mexico

### Surface Casing

8.625" 20# @ 122 ft  
OH: 11'

### Formation

Yates - 850 feet  
Queen - 1498 feet  
San Andres - 1990 feet

### Plug 3

177 feet - surface  
177 foot plug  
85 Sacks of Type III Cement

### Plug 2

950 feet - ≈177 feet  
773 foot plug  
342 Sacks of Type III Cement

### Plug 1

≈2,328 feet - 1,258 feet  
1070 foot plug  
315 Sacks of Type III Cement

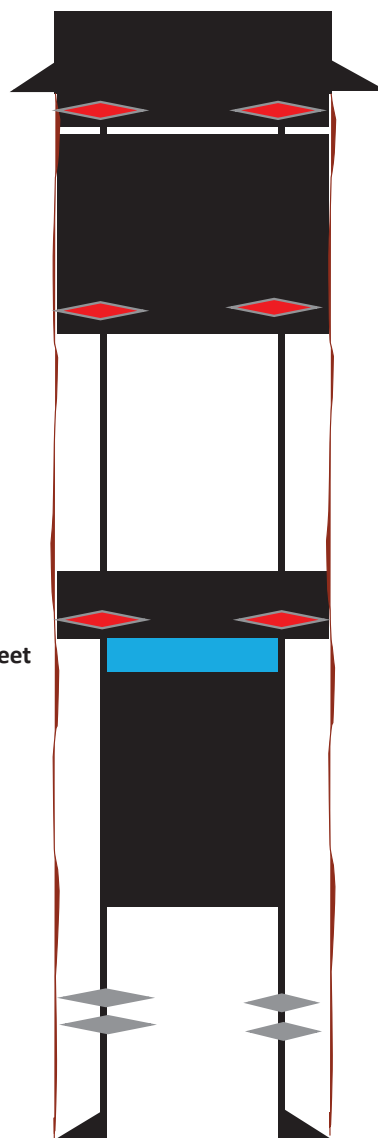
### Perforations

2613 feet - 2633'

Retainer @ 1468 feet

### Production Casing

5.5" 14# @ 2749 feet  
OH: 7.875"



Perforations @ 177'

Perforations @ 900'

Perforations @ 1468'



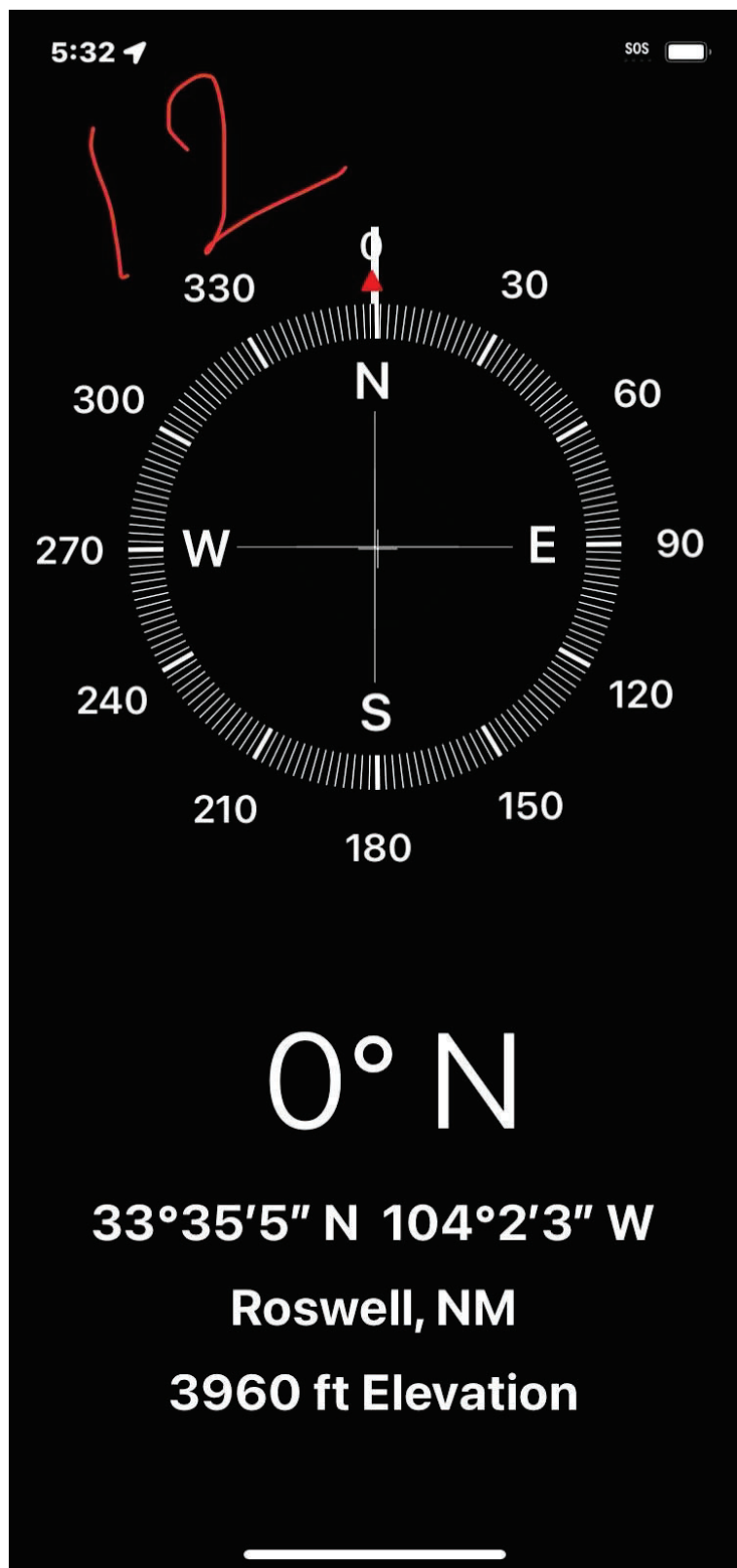


Figure 1: GPS



Figure 2: Marker





Figure 3: Cut Off

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 419788

CONDITIONS

Operator: BLUE SKY NM, INC. 7941 Katy Freeway Houston, TX 77024	OGRID: 300825
	Action Number: 419788
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	1/15/2025