

Submit | 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

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised July 18, 2013

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. <b>30-015-24006</b>
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 <b>Tandem Energy Corporation</b>		6. State Oil & Gas Lease No.
3. Address of Operator <b>5065 Westheimer Rd, Ste 920 Houston, TX 77056</b>		7. Lease Name or Unit Agreement Name <b>B D</b>
4. Well Location Unit Letter <b>K</b> : <b>1650</b> feet from the <b>S</b> line and <b>1650</b> feet from the <b>W</b> line Section <b>11</b> Township <b>16S</b> Range <b>31E</b> NMPM County <b>Eddy</b>		8. Well Number <b>001</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>4415</b>		9. OGRID Number <b>236183</b>
		10. Pool name or Wildcat <b>San Andres</b>

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.

Please see Plug and Abandonment End Of Well Report for work performed.

Approved for plugging of well bore only. Liability under bond is retained pending Location cleanup & receipt of C-103Q (Subsequent Report of Well Plugging) which may be found at OCD Web Page, OCD Permitting @ [www.emnrd.state.nm.us](http://www.emnrd.state.nm.us)

Spud Date:

5/15/1982

Rig Release Date:

7/25/2022

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

SIGNATURE



TITLE IT Manager

DATE 10/5/2023

Type or print name Chris Sanders

E-mail address: chriss@t5energy.com

PHONE: 713-987-7318

For State Use Only

APPROVED BY:



TITLE

Staff Manager

DATE 10/26/23

Conditions of Approval (if any):

## **Tandem Energy Corp.**

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

**B D #001**

1650' FSL & 1650' FWL, Section 11, T16S, R31E

Eddy County, NM / API 30-015-24006

#### **Work Summary:**

- 7/20/22** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 7/21/22** MOL and R/U P&A unit. Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Secured and shut-in well for the day.
- 7/22/22** Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/D wellhead, N/U BOP and function tested. P/U 4 ½" casing scraper and work string. Round tripped above top perforation to a depth of 4,010'. P/U 4 ½" CR. TIH to 1,739' where CR tagged up and set prematurely. Attempted to work CR free with work string but was unsuccessful. Waited on orders from NMOCD on how to proceed. Secured and shut-in well for the day.
- 7/23/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Waited on location for NMOCD to determine how to proceed. NMOCD requested to start cementing operations by squeezing cement below CR at 1,739' to account for wellbore volume from CR at 1,739' to top perforation at 4,006' plus 100% excess. Secured and shut-in well.
- 7/24/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U cementing services. Successfully established injection rate through CR at 1,739' with 10 bbls of fresh water. Pumped plug #1 from 4,006' to 1,739' with 100% excess to cover the San Andres perforations and formation top as well as the Queen formation top. After pumping 240 sx of cement the wellbore

pressured up to 515 psi below the CR. Switched to displacement and displaced cement in tubing through CR at 1,739'. Stung out of CR. TOOH. WOC 4 hours. TIH and tagged CR at 1,739'. Successfully pressure tested wellbore above CR at 1,739' to 700 psi. TOOH. Secured and shut-in well for the day.

**7/25/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. Ran CBL from CR at 1,739' to surface. CBL results were sent to NMOCD office for review. TIH to CR at 1,739'. R/U cementing services. Extended plug #1 from 1,739' to 1,365'. TOOH. R/U wireline services. RIH and perforated squeeze holes at 1,342'. Successfully established injection rate into perforations at 1,342'. P/U packer, TIH and set at 877' with an EOT depth of 910'. R/U cementing services. Pumped plug #2 from 1,342' to 950' to cover the surface casing shoe. Spotted 9.5 ppg mud spacer from 950'-386'. L/D tubing to surface. R/U wireline services. RIH and perforated squeeze holes at 386'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 386' and back around and out Bradenhead valve at surface with fresh water. Successfully circulated cement down 4 ½" production casing through perforations at 386' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. Dug-out wellhead. Performed wellhead cut-off. Cement was at surface in both 8-5/8" surface casing annulus and 4 ½" production casing. Installed subsurface P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. RD and MOL.

### **Plug Summary:**

#### **Plug #1: (San Andres Perforations and Formation Top, and Queen Formation Top 4,006'-1,365', 265 Sacks Type III Cement)**

CR prematurely set at 1,739'. NMDOC requested to start cementing operations by squeezing cement below CR at 1,739' to account for wellbore volume from CR at 1,739' to cover San Andres perforations and formation top at 4,006' plus 100% excess. Successfully established injection rate through CR at 1,739' with 10 bbls of fresh water. Pumped plug #1 from 4,006' to 1,739' with 100% excess to cover the San Andres perforations and formation top as well as the Queen formation top. After pumping 240 sx of cement the wellbore pressured up to 515 psi below the CR. Switched to displacement and displaced cement in tubing through CR at 1,739'. Stung out of CR. TOOH. WOC 4 hours. TIH and tagged CR at 1,739'. Successfully pressure tested wellbore above CR at 1,739' to 700 psi. TOOH. R/U wireline services. Ran CBL from CR at 1,739' to surface. CBL results

were sent to NMOCD office for review. TIH to CR at 1,739'. R/U cementing services. Extended plug #1 from 1,739' to 1,365'.

**Plug #2: (Surface Casing Shoe 1,342'-950', 94 Sacks Type III Cement [Squeezed 69 sx])**

R/U wireline services. RIH and perforated squeeze holes at 1,342'. Successfully established injection rate into perforations at 1,342'. P/U packer, TIH and set at 877' with an EOT depth of 910'. R/U cementing services. Pumped plug #2 from 1,342' to 950' to cover the surface casing shoe. 69 sx were squeezed into the perforations.

**Plug #3: (386'-Surface, 133 Sacks Type III Cement)**

R/U wireline services. RIH and perforated squeeze holes at 386'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 386' and back around and out Bradenhead valve at surface with fresh water. Successfully circulated cement down 4 ½" production casing through perforation at 386' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. Dug-out wellhead. Performed wellhead cut-off. Cement was at surface in both 8-5/8" surface casing annulus and 4 ½" production casing. Installed subsurface P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates.

## End of Wellbore Diagram

Tandem Energy Corp.  
B D #001  
API: 30-015-24006  
Eddy County, New Mexico

### Surface Casing

8.625" 28# @ 1292 ft  
OH: 12.25"

### Formation

Queen - 3260 feet  
San Andres - 4037 feet

### Plug 3

383 feet - surface  
383 foot plug  
133 Sacks of Type III Cement

### Plug 2

1342 feet - 950 feet  
392 foot plug  
94 Sacks of Type III Cement  
(Squeezed 69 sx)

### Plug 1

4006 feet - 1365 feet  
2641 foot plug  
265 sacks of Type III Cement

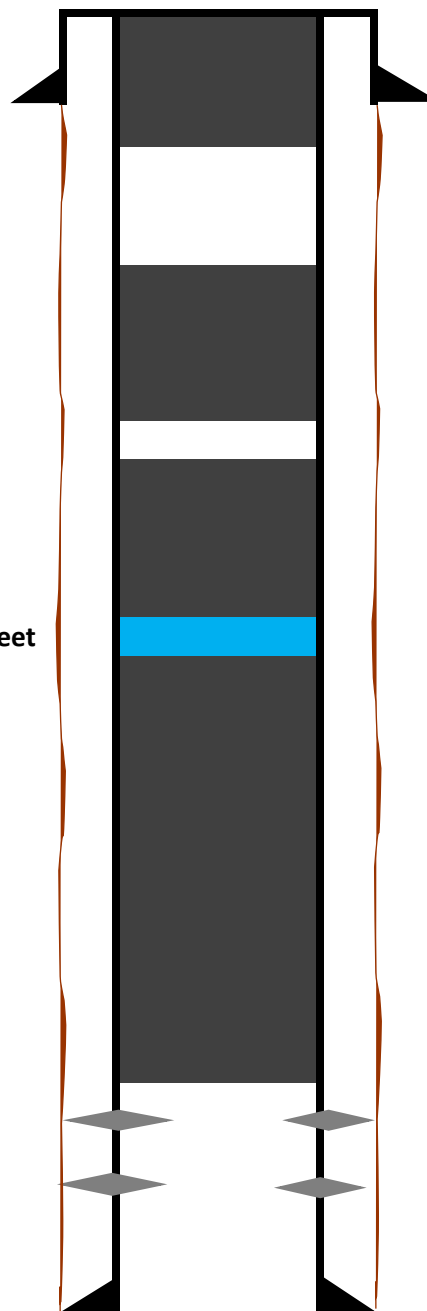
### Perforations

4006 feet - 4026 feet

Retainer @ 1739 feet

### Production Casing

4.5" 9.5# @ 4530 feet  
OH: 7.875"



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

CONDITIONS

Action 272925

CONDITIONS

Operator: TANDEM ENERGY CORPORATION 5065 Westheimer Rd Houston, TX 77056	OGRID: 236183
	Action Number: 272925
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	10/26/2023