

Submit 1 Copy To Appropriate District Office  
 District I – (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
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 811 S. First St., Artesia, NM 88210  
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 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

<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.) 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		WELL API NO. 30-025-27866
2. Name of Operator Energy Acumen LLC		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
3. Address of Operator 10103 Gutierrez Rd NE, Albuquerque, NM 87111		6. State Oil & Gas Lease No.
4. Well Location Unit Letter: J : 1650 feet from the S line and 2160 feet from the E line Section 21 Township 21S Range 37E NMPM County: Lea		7. Lease Name or Unit Agreement Name Lansford
		8. Well Number: 005
		9. OGRID Number: 373817
		10. Pool name or Wildcat PENROSE SKELLY;GRAYBURG
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"/>	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 checked="" 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: <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.

See Plugging Procedure/Events Below

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: 1/25/24

Type or print name: Ethan Wakefield

E-mail address: [e.wakefield@dwsrigs.com](mailto:e.wakefield@dwsrigs.com)

PHONE: (405)343-7736

**For State Use Only**

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

Conditions of Approval (if any):

## **Energy Acumen LLC**

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

#### **Lansford #005**

1650' FSL & 2160' FEL, Section 21, 21S, 37E

Lea County, NM / API 30-025-27866

#### **Work Summary:**

- 1/8/24** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 1/9/24** Arrived on location. Held safety meeting. Checked location for gas/H<sub>2</sub>S. The monitor showed high levels of H<sub>2</sub>S. R/U cementing services. Pumped 40 bbls of water with H<sub>2</sub>S scavenger to kill well and mitigate H<sub>2</sub>S. Shut down and waited for 30 minutes. Well pressured back up after 20 minutes to 110 psi. Pumped 40 bbls of fresh water to kill well. Monitored well for 30 minutes. Spotted rig and equipment. R/U P&A unit. Shut down for the day. Waiting on brine water to kill well.
- 1/10/24** Arrived on location. Held safety meeting. Checked location for gas/H<sub>2</sub>S. R/U cementing services. Pumped 50 bbls of brine water to kill well. Monitored well for 1 hour, pressures did not return. Unseat pump. L/D 140 3/4" rods and pump. Pumped additional brine down well to ensure well is still dead. ND WH, NU BOP, R/U floor, tongs, and slips. TOOH with 2-3/8" production string. L/D BHA. P/U 5.5" casing scraper. Round tripped to 3650'. Secured and shut in well.
- 1/11/24** Arrived on location. Held safety meeting. Checked location for gas/H<sub>2</sub>S. Checked well pressures. R/U cementing services. Pumped 40 bbls of fresh water to kill well. P/U 5.5" CR. TIH and set CR at 3600'. R/U cementing services. Circulated wellbore clean with 85 bbls of fresh water. Attempted to pressure test casing but test failed. High winds forced shut down. Shut in and secured well.

- 1/12/24** Arrived on location. Held safety meeting. Checked location for gas/H2S. Checked well pressures. R/U wireline services. RIH and logged well. POOH. TIH to 3600'. R/U cementing services. Pumped plug #1 from 3600' to 3273'. TOOH. WOC. TIH and tagged at 3225'. R/U cementing services. Pumped mud/gel spacer from 3225' to 2840'. TOOH. Shut in and secured well.
- 1/13/24** Arrived on location. Held safety meeting. Checked location for gas/H2S. Checked well pressures. TIH to 2836'. R/U cementing services. Pumped plug #2 from 2677' to 2620'. TOOH. WOC. TIH and tagged plug #2 at 2677'. R/U cementing services. Continued pumping plug #2 from 2677' to 2620'. TOOH. WOC. TIH and tagged plug #2 at 2580'. Pumped mud/gel spacer from 2580' to 1268'. TOOH. Shut in and secured well.
- 1/14/24** Arrived on location. Held safety meeting. Checked location for gas/H2S. Checked well pressures. TIH to 1268'. R/U cementing services. Pumped plug #3 from 1268' to 1048'. TOOH. WOC. TIH and tagged plug #3 at 1040'. R/U cementing services. Pumped mud/gel spacer from 1040' to 453'. L/D tubing to 453'. R/U cementing services. Pumped plug #4 from 453' to 200'. TOOH. WOC overnight. Shut in and secured well.
- 1/15/24** Arrived on location. Held safety meeting. Checked location for gas/H2S. Checked well pressures. Successfully pressure tested casing. R/U wireline serviced to perforate. Unable to RIH tagged at 13'. POOH. TIH and tagged at 25'. R/U power swivel. Began milling. Rig experienced issues. PTO failure. Shut in and secured well.
- 1/16/24** Arrived on location. Held safety meeting. Checked location for gas/H2S. Checked well pressures. Completed rig repairs and inspections. Waiting for parts.
- 1/17/24** Arrived on location. Held safety meeting. Checked location for gas/H2S. Checked well pressures. TIH and tagged plug #4 at 90'. R/U power swivel and pump. Drill out cement from 90' to 140'. Returns were cement. R/D pump and power swivel. TOOH. Shut in and secured well.
- 1/18/24** Arrived on location. Held safety meeting. Checked location for gas/H2S. Checked well pressures. TIH and tagged plug #4 at 140'. R/U power swivel and pump. Drill out cement from 140' to 235'. Returns were cement. Broke through plug. R/D pump and power swivel. TOOH. Removed bit. TIH to 458'. R/U cementers. Pumped plug #4 from 458' to 215'. R/D cementers. L/D 7 joints. Reverse circulated at 215'. TOOH. WOC overnight. Shut in well and drain equipment.

- 1/19/24** Arrived on location. Held safety meeting. Checked location for gas/H2S. Checked well pressures. TIH and tagged plug #4 at 208'. L/D tubing. R/U wireline services. RIH and perforated at 200'. POOH. R/D wireline. R/U cementing services. Pumped water into 5.5" casing, into perforations at 200', and out BH at surface. R/D cementers. TIH with 5.5" packer and set at 192'. R/U cementing services. Attempted to circulate water down tubing and out BH but was unsuccessful. Unset packer. TOOH. P/U 5.5" CR. TIH and attempted to set CR at 192' and 157' but was unsuccessful, CR would not set. TOOH. L/D CR. RIH with tubing to 192'. R/U cementing services. Pumped plug #5 into perforations at 200' and out BH at surface. Shut valve and pumped cement until cement was to surface in 5.5" casing. R/D cementers. ND BOP, NU WH. R/D unit and prepare to MOL.
- 1/23/24** Arrived on location. Held safety meeting. Completed gas check. Used backhoe to safely expose wellhead. Set up welding unit on location. Performed wellhead cutoff. Removed old wellhead. Cement was at surface in both casing strings. Welder attached marker per NMOCD regulations.

**Plug Summary:****Plug #1: (Perforations, and Queen Formation Top, 3,600'-3,225', 38 Sacks Type I/II Cement)**

P/U 5.5" CR. TIH and set CR at 3600'. R/U cementing services. Circulated wellbore clean with 85 bbls of fresh water. Attempted to pressure test casing but test failed. TOOH. Logged well. TIH to 3600'. R/U cementing services. Pumped plug #1 from 3600' to 3273'. TOOH. WOC. TIH and tagged at 3225'.

**Plug #2: (Yates Formation Tops, 2,836'-2,580', 35 Sacks Type I/II Cement)**

TIH to 2836'. R/U cementing services. Pumped plug #2 from 2677' to 2620'. TOOH. WOC. TIH and tagged plug #2 at 2677'. R/U cementing services. Continued pumping plug #2 from 2677' to 2620'. TOOH. WOC. TIH and tagged plug #2 at 2580'.

**Plug #3: (Anhy Formation Top, 1,268'-1040', 25 Sacks Type I/II Cement)**

TIH to 1268'. R/U cementing services. Pumped plug #3 from 1268' to 1048'. TOOH. WOC. TIH and tagged plug #3 at 1040'.

**Plug #4: (Surface Casing Shoe, 458'-208', 58 Sacks Type I/II Cement)**

L/D tubing to 453'. R/U cementing services. Pumped plug #4 from 453' to 200'. TOOH. WOC overnight. Tagged at 25'. Drilled plug. TIH and tagged plug #4 at 90'. R/U power swivel and pump. Drill out cement from 90' to 140'. Returns were cement. R/D pump and power swivel. TOOH. TIH and tagged plug #4 at 140'. R/U power swivel and pump. Drill out cement from 140' to 235'. Returns were cement. Broke through plug. R/D pump and power swivel. TOOH. Removed bit. TIH to 458'. R/U cementers. Pumped plug #4 from 458' to 215'. R/D cementers. L/D 7 joints. Reverse circulated at 215'. TOOH. WOC overnight. TIH and tagged plug #4 at 208'

**Plug #5: (Surface, 200'-Surface, 36 Sacks Type I/II Cement (0 sx for top off))**

R/U wireline services. RIH and perforated at 200'. POOH. R/D wireline. R/U cementing services. Pumped water into 5.5" casing, into perforations at 200', and out BH at surface. R/D cementers. TIH with 5.5" packer and set at 192'. R/U cementing services. Attempted to circulate water down tubing and out BH but was unsuccessful. Unset packer. TOOH. P/U 5.5" CR. CR would not set. TOOH. L/D CR. RIH with tubing to 192'. R/U cementing services. Pumped plug #5 into perforations at 200' and out BH at surface. Shut valve and pumped cement until cement was to surface in 5.5" casing. Removed old wellhead. Cement was at surface in both casing strings. Welder attached marker per NMOCD regulations.



## Completed Wellbore Diagram

Energy Acuman LLC  
Lansford #005  
API: 30-025-27866  
Lea, New Mexico

### Surface Casing

8.625" 24# @ 403'  
OH: 12.25"

### Plug 5

200 feet - Surface  
200 foot plug  
36 Sacks of Type I/II Cement

### Plug 4

458 feet - 208  
250 foot plug  
58 Sacks of Type I/II Cement

### Plug 3

1268 feet - 1040 feet  
228 foot plug  
25 Sacks of Type I/II Cement

### Plug 2

2836 feet - 2580 feet  
256 foot plug  
35 Sacks of Type I/II Cement

### Plug 1

3600 feet - 3225 feet  
375 foot plug  
38 sacks of Type I/II Cement

### Perforations

3650 feet - 3790 feet

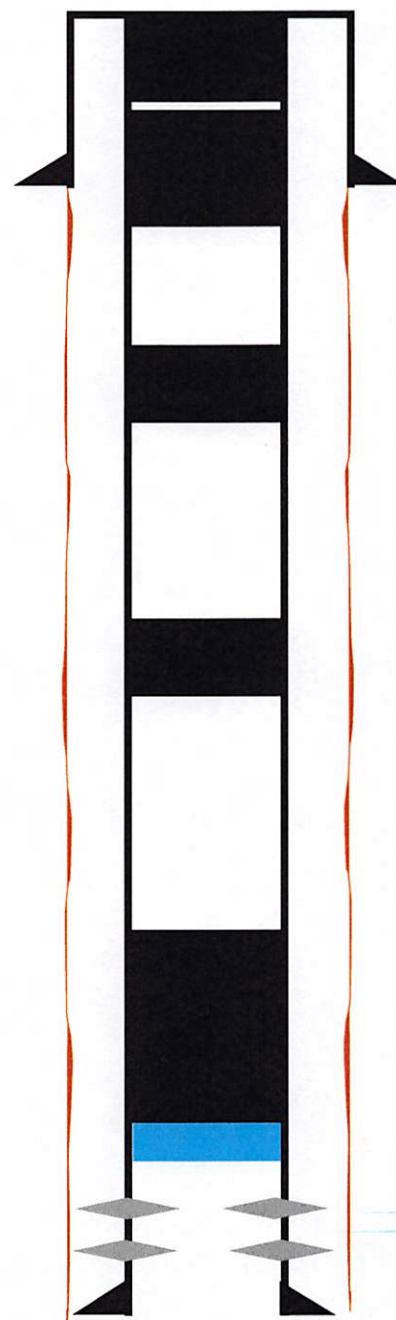
### Formation tops

Anhy - 1218 feet  
Yates - 2790 feet  
Queen - 3374 feet  
Grayburg - 3627 feet  
San Andres - 3934 feet

Retainer at 3600'

### Production Casing

5.5" #15.5 @ 4281'  
OH: 7.625"







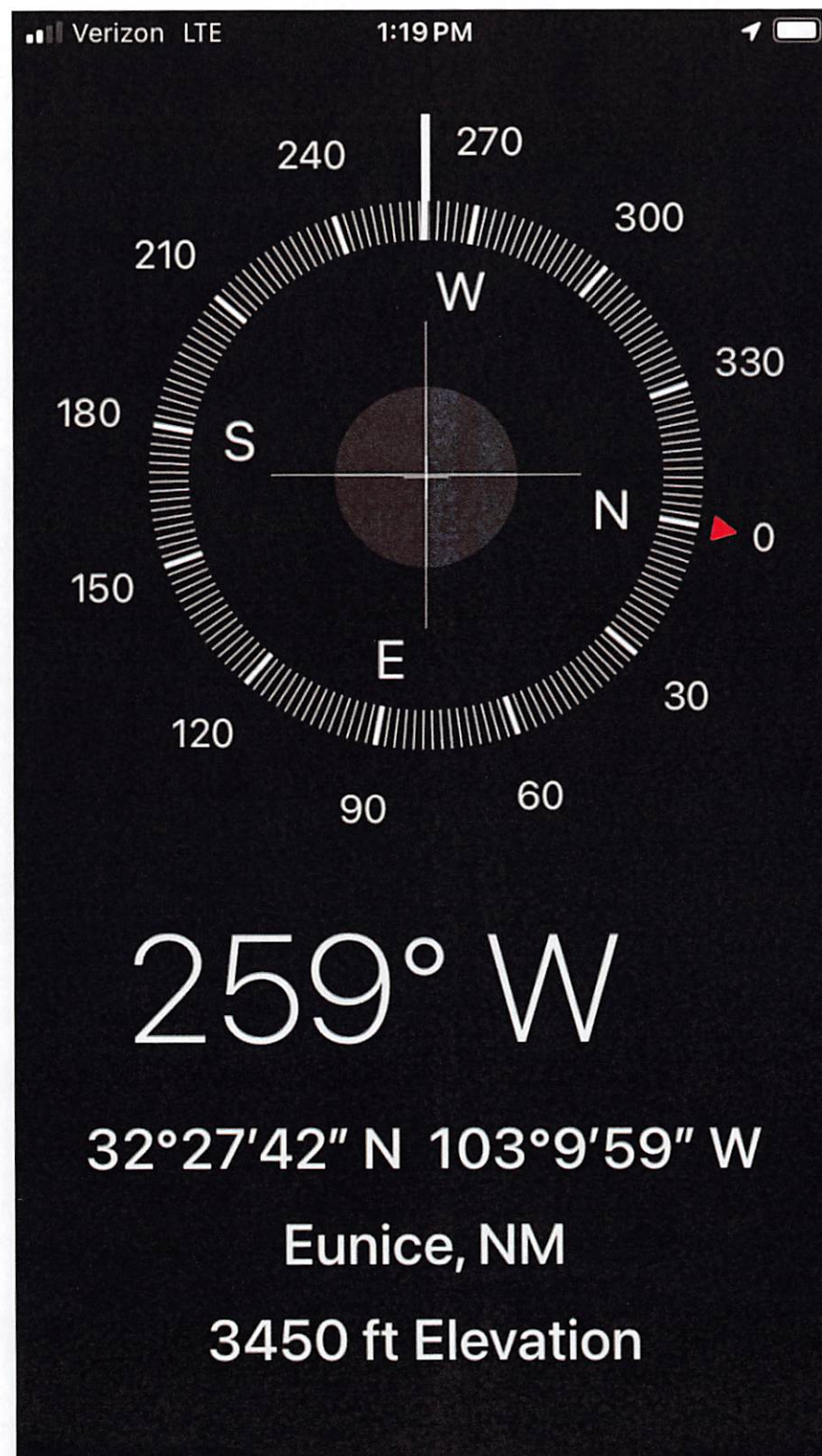














Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/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 308855

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 308855
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Marker not corrected, will be part of future OCD work	11/14/2025