



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

**Sundry Print Report**

11/08/2024

<b>Well Name:</b> BUCKSKIN FED	<b>Well Location:</b> T24S / R38E / SEC 18 / SESW / 32.2119146 / -103.101746	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 01	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM40658	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3002527023	<b>Operator:</b> ENERGY ACUMEN LLC	

**Subsequent Report****Sundry ID:** 2818814**Type of Submission:** Subsequent Report**Type of Action:** Plug and Abandonment**Date Sundry Submitted:** 10/25/2024**Time Sundry Submitted:** 08:51**Date Operation Actually Began:** 10/07/2024**Actual Procedure:** See attached document.**SR Attachments****Actual Procedure**

Buckskin\_\_001\_\_EOW\_\_Signed\_20241025085030.pdf

**BLM Point of Contact****BLM POC Name:** JAMES A AMOS**BLM POC Title:** Acting Assistant Field Manager**BLM POC Phone:** 5752345927**BLM POC Email Address:** jamos@blm.gov**Disposition:** Accepted**Disposition Date:** 11/08/2024**Signature:** James A Amos

Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.***

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No. <b>NMNM40658</b>
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>Energy Acumen LLC.</b>		7. If Unit of CA/Agreement, Name and/or No.
3a. Address <b>10103 Gutierrez Rd NE, Albuquerque, NM 87111</b>		8. Well Name and No. <b>BUCKSKIN FED. #001</b>
3b. Phone No. (include area code)		9. API Well No. <b>30-025-27023</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>N-18-24S-38E    660 FSL    1980 FWL</b>		10. Field and Pool or Exploratory Area <b>DOLLARHIDE;TUBB-DRINKARD</b>
		11. Country or Parish, State <b>Lea</b>

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Please see attached report and completed WBD.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>CHRISTOPHER WALLS</b> Digitally signed by CHRISTOPHER WALLS Date: 2024.11.08 15:45:47 -07'00'	Sup PE Title	Date <b>11/08/2024</b>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office <b>CFO</b>	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

**ROUTINE USES:** Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

**EFFECT OF NOT PROVIDING THE INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## **Energy Acumen LLC**

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

#### **BUCKSKIN FED. #001**

660' FNL & 1980' FWL, Section 18, 24S, 38E

Lea County, NM / API 30-025-27023

#### **Work Summary:**

- 10/7/24** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 10/8/24** Travel to Portales, NM. Hold safety meeting. Moved rig 31 and all equipment to the Buckskin Fed. #1. Move on location. Wait on Backhoe. Shut down.
- 10/9/24** Arrived on location. Held safety meeting. Completed spiral gas check for H2S and other gas. Checked wellbore pressures (50 psi tubing, 50 psi casing). Clean up oil and prepped location with backhoe. Pulled up rods to removed bridal and pumping unit. Spot rig and equipment. R/U unit. R/U cementing services. Rolled kill fluid in frac tank 12.3 ppg polymer and bas.
- 10/10/24** Arrived on location. Held safety meeting. Completed spiral gas check for H2S and other gas. Checked wellbore pressures (tubing and casing both 250 psi). R/U cementing services. Pumped 4 bbls of 12.3 ppg kill fluid down casing. Casing and tubing pressured up to 500 psi. Removed stuffing box. L/D polished rod. Install rod BOP and rod table. L/D 97 - 7-7/8" rods, 166 - 3/4" rods, a 2' sub and pump. R/U cementing services. Attempted to pump kill fluid down casing but was unsuccessful. R/U wireline services. Ran gauge ring down tubing and tagged at 6674'. R/D wireline services. Shut in and secured well.
- 10/11/24** Arrived on location. Held safety meeting. Completed spiral gas check for H2S and other gas. Checked wellbore pressures (tubing and casing both 250 psi). Bleed down well. Removed WH cap. Pull up on tubing hanger. Strip BOP over and NU BOP. R/U floor, tongs, and

slips. Unset packer. TOO H with 205 joints of tubing, tubing anchor, 4 more joints, SN, 4' perforated sub and tail joint. 210 joints total. TIH with 50 joints of tubing. Secured well. Shut down for the day.

- 10/12/24** Arrived on location. Held safety meeting. Completed spiral gas check for H<sub>2</sub>S and other gas. Checked wellbore pressures (tubing and casing both 250 psi). Bled down well. R/U cementing services. Pumped kill fluid down tubing. TOO H. Left 40 joints in hole for kill string. Shut in and secured well.
- 10/13/24** Arrived on location. Held safety meeting. Completed spiral gas check for H<sub>2</sub>S and other gas. Checked wellbore pressures (tubing and casing both 250 psi). Bled down well. R/U cementing services. Pumped kill fluid down tubing. Continued to TOO H with work string. L/D 5.5" scraper. P/U 5.5" CR. TIH and set CR at 6616'. R/U cementing services. Circulated well with 153 bbls of fresh water. Attempted to pressure test casing but was unsuccessful. TOO H with tubing. R/U wireline services. RIH and logged well. R/D wireline services. P/U cement tag sub. TIH with 60 joints. Shut in and secured well.
- 10/14/24** Arrived on location. Held safety meeting. Completed spiral gas check for H<sub>2</sub>S and other gas. Checked wellbore pressures (tubing and casing both 450 psi). Bled down well. Continue to TIH with work string to top of CR at 6616'. R/U cementing services. Pumped plug #1 from 6616' to 6143' to cover the Drinkard and Tubb formation tops. L/D tubing. R/U cementing services. Reverse circulated. TOO H with 30 joints. WOC 4 hours. TIH and tagged plug #1 at 6144'. R/U cementing services. Pumped mud/gel spacer from 6144' to 5370'. R/D cementers. L/D tubing to 3570'. R/U cementing services. Pumped plug #2 from 5370' to 5152' to cover the Glorieta formation top. TOO H. Shut in and secured well.
- 10/15/24** Arrived on location. Held safety meeting. Completed spiral gas check for H<sub>2</sub>S and other gas. Checked wellbore pressures (All 0 psi). TIH and tagged plug #2 at 5152'. R/U cementing services. Pumped mud spacer from 5152' to 3654'. L/D tubing. R/U cementing services. Pumped plug #3 from 3654' to 3428' to cover the Queen formation top. L/D tubing. R/U cementing services. Reverse circulated. TOO H with 30 joints. WOC 4 hours. TIH and tagged plug #3 at 3439'. R/U cementing services. Pumped mud spacer. Shut in and secured well for the day.
- 10/16/24** Arrived on location. Held safety meeting. Completed spiral gas check for H<sub>2</sub>S and other gas. Checked wellbore pressures (All 0 psi). R/U cementing services. Pumped plug #4 from 2881' to 2512' to cover the Yates and Tansill formation tops. L/D tubing. R/U cementing

serviced. Reverse circulated at 2500'. TOOH with 30 joints. WOC 4 hours. TIH and tagged plug #4 at 2542'. R/U cementing services. Continued pumping plug #4 from 2542' to 2496'. L/D tubing to 2436' and reverse circulated. TOOH with 30 stands. WOC 4 hours. TIH and tagged plug 4 at 2441'. R/U cementing services. Pumped mud spacer from 2441' to 1345'. L/D 43 joints. Shut in and secured well.

**10/17/24** Arrived on location. Held safety meeting. Completed spiral gas check for H2S and other gas. Checked wellbore pressures (All 0 psi). Continue to TOOH. P/U 5.5" packer. TIH and set packer at 387'. R/U cementing services. Pressure test casing to 800 psi from 2441' to 387'. TOOH. L/D packer. R/U wireline services. RIH and perforated at 1345'. POOH. R/D wireline services. R/U packer. TIH and set packer at 963' with EOT at 1059'. R/U cementing services. Established an injection rate down tubing, into perforations at 1345'. Pumped plug #5 from 1345' to 1166' Inside/outside to cover the intermediate casing shoe and Rustler formation top. Unset packer. TOOH. L/D packer. WOC 4 hours. TIH and tagged plug #5 at 1096'. R/U cementing services. Pumped mud/gel spacer from 1096' to 800'. L/D tubing. R/U wireline services. RIH and perforated at 800'. POOH. R/D wireline. P/U packer. TIH and set packer at 387'. R/U cementing services. Pumped plug #6 from 800' to 500' (Additional plug added by the BLM). Unset packer. TOOH. L/D packer. WOC overnight. Shut in and secured well.

**10/18/24** Arrived on location. Held safety meeting. Completed spiral gas check for H2S and other gas. Checked wellbore pressures (All 0 psi). TIH and tagged plug #6 at 500'. R/U cementing services. Pumped mud spacer from 500' to 100'. L/D tubing. R/U wireline services. RIH and perforated at 100'. R/D wireline services. TIH with tubing to 130'. R/U cementing services. Established and injection rate into the perforations at 100'. Pumped plug #7 from 130' into perforations at 100' and out BH at surface, shut BH valve and opened casing valve, continued pumping cement to surface in the 5.5" casing to surface. L/D tubing. R/D floor, tongs, slips. N/D BOP. Dig out cellar. R/U welder. Performed WH cutoff. Cement was at surface int the 5.5" and 8.625" casing. Installed P&A marker per all local regulations. Prepare to MOL.



**Plug Summary:****Plug #1: (Perforations, Drinkard and Tubb Formation top, 6,616'-6,144', 52 Sacks Type I/II Cement)**

TIH with work string to top of CR at 6616'. R/U cementing services. Pumped plug #1 from 6616' to 6143' to cover the Drinkard and Tubb formation tops. L/D tubing. R/U cementing services. Reverse circulated. TOOH with 30 joints. WOC 4 hours. TIH and tagged plug #1 at 6144'.

**Plug #2: (Glorieta Formation Top, 5,370'-5,152', 24 Sacks Type I/II Cement)**

R/U cementing services. Pumped plug #2 from 5370' to 5152' to cover the Glorieta formation top. TOOH. WOC overnight. TIH and tagged plug #2 at 5152'.

**Plug #3: (Queen Formation Tops, 3,654'-3,439', 25 Sacks Type I/II Cement)**

R/U cementing services. Pumped plug #3 from 3654' to 3428' to cover the Queen formation top. L/D tubing. R/U cementing services. Reverse circulated. TOOH with 30 joints. WOC 4 hours. TIH and tagged plug #3 at 3439'.

**Plug #4: (Yates and Tansil Formation Tops, 2,881'-2,441', 48 Sacks Type I/II Cement)**

R/U cementing services. Pumped plug #4 from 2881' to 2512' to cover the Yates and Tansill formation tops. L/D tubing. R/U cementing serviced. Reverse circulated at 2500'. TOOH with 30 joints. WOC 4 hours. TIH and tagged plug #4 at 2542'. R/U cementing services. Continued pumping plug #4 from 2542' to 2496'. L/D tubing to 2436' and reverse circulated. TOOH with 30 stands. WOC 4 hours. TIH and tagged plug 4 at 2441'.

**Plug #5: (Rustler Formation Top and intermediate Casing Shoe, 1,345'-1,096, 48 Sacks Type I/II Cement) (Inside/Outside)**

R/U wireline services. RIH and perforated at 1345'. POOH. R/D wireline services. R/U packer. TIH and set packer at 963' with EOT at 1059'. R/U cementing services. Established an injection rate down tubing, into perforations at 1345'. Pumped plug #5 from 1345' to 1166' Inside/outside to cover the intermediate casing shoe and Rustler formation top. Unset packer. TOOH. L/D packer. WOC 4 hours. TIH and tagged plug #5 at 1096'.

**Plug #6: (800'-500, 82 Sacks Type I/II Cement) (Inside/Outside)**

R/U wireline services. RIH and perforated at 800'. POOH. R/D wireline. P/U packer. TIH and set packer at 387'. R/U cementing services. Pumped plug #6 from 800' to 500' (Additional plug added by the BLM). Unset packer. TOOH. L/D packer. WOC overnight. TIH and tagged plug #6 at 500'.

**Plug #7: (Surface Casing Shoe, 130'- Surface, 41 Sacks Type I/II Cement) (Inside/Outside)**

R/U wireline services. RIH and perforated at 100'. R/D wireline services. TIH with tubing to 130'. R/U cementing services. Established and injection rate into the perforations at 100'. Pumped plug #7 from 130' into perforations at 100' and out BH at surface, shut BH valve and opened casing valve, continued pumping cement to surface in the 5.5" casing to surface. L/D tubing. R/D floor, tongs, slips. N/D BOP. Dig out cellar. R/U welder. Performed WH cutoff. Cement was at surface into the 5.5" and 8.625" casing. Installed P&A marker per all local regulations.



## Completed Wellbore Diagram

Energy Acuman LLC  
Buckskin Fed #001  
API: 30-025-27023  
Lea, New Mexico

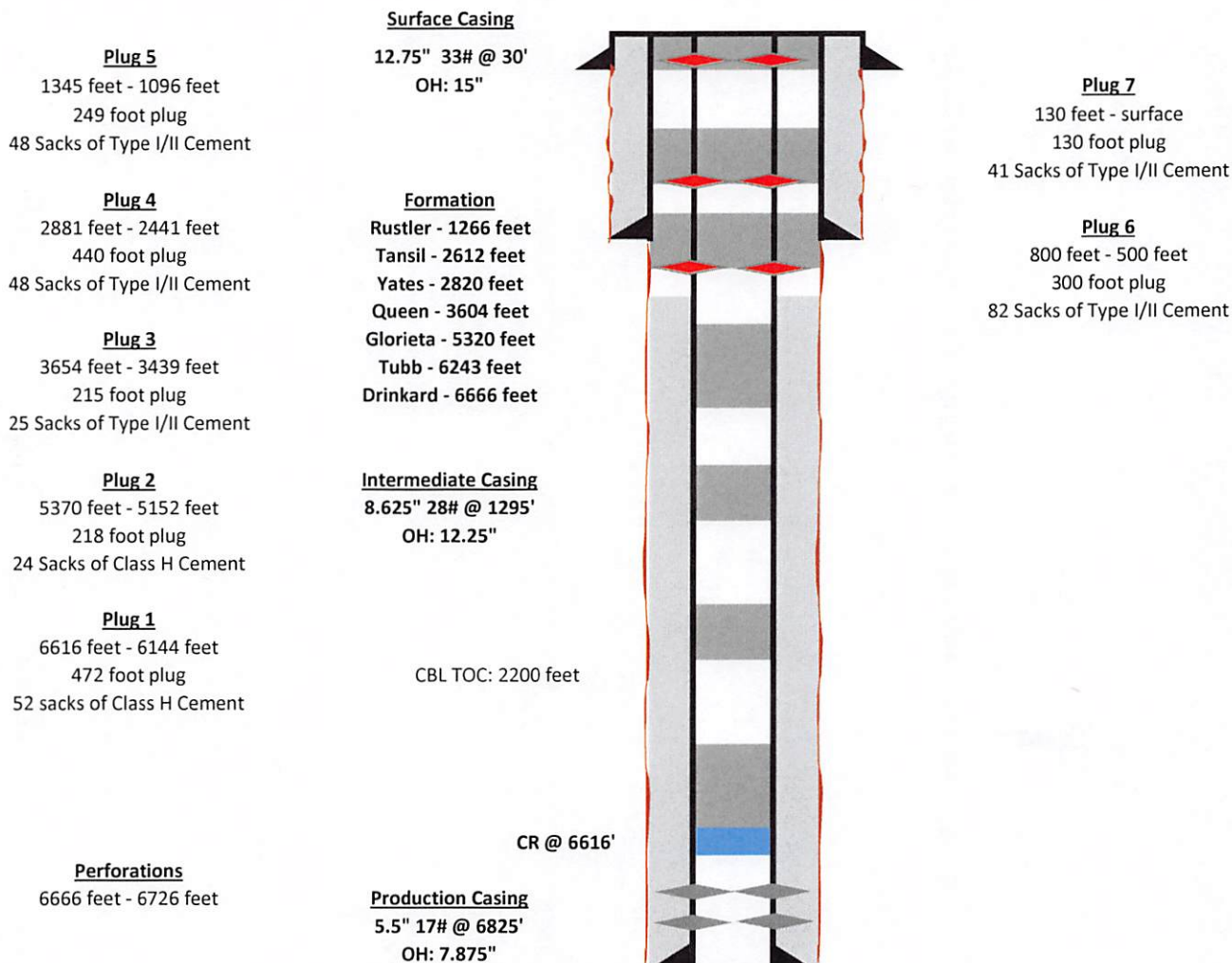




Figure 1: Marker

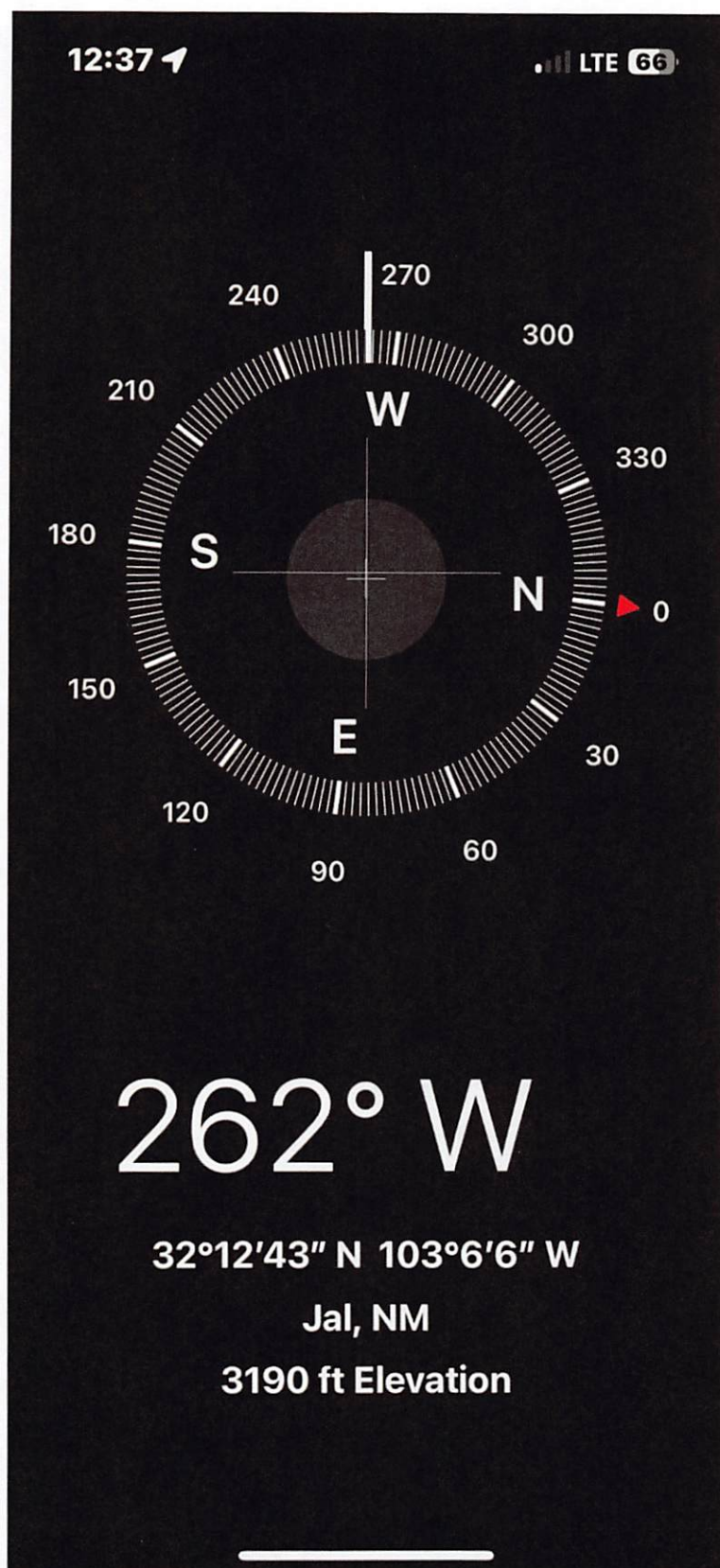


Figure 2: GPS





Figure 3: Cut Off

**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**

CONDITIONS  
  
Action 401075

CONDITIONS

Operator: Energy Acumen LLC 10103 Gutierrez Rd NE Albuquerque, NM 87111	OGRID: 373817
	Action Number: 401075
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	None	11/12/2024