

AE Order Number Banner

Application Number: pSYS2602033839

Initial Application Part I

WFX-1067

MorningStar Operating LLC [330132]

Received: 4/7/2025



April 07, 2025

Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Application for Authorization to Inject
OCD Form C-108
North Vacuum Abo West Unit #14
Lea County, New Mexico

MorningStar Operating LLC respectfully requests administrative approval to convert the North Vacuum Abo West Unit #14 well, API 30-025-23944, from production to injection into the Abo formation. The well location is 660' FNL and 1980' FEL, Unit Letter B, Section 28, Township 17S, Range 34E, in Lea County, New Mexico.

MorningStar Operating proposes to inject water into a perforated interval from 8800' – 8896'.

Following is the OCD C-108 Application for Authorization to Inject and other required information. If additional information is needed, please contact me by phone or email below.

Sincerely,

Connie Blaylock

Connie Blaylock
Sr. Regulatory Analyst
TXO Partners, L.P. / MorningStar Operating LLC / Cross Timbers Energy, LLC
Office 817-334-7882
cblaylock@txopartners.com

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
 REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: _____ **OGRID Number:** _____
Well Name: _____ **API:** _____
Pool: _____ **Pool Code:** _____

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION
 INDICATED BELOW**

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

- A. ☐ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application
 Content
 Complete

3) CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

 Print or Type Name

 Signature

Connie Blaylock

 Date

 Phone Number

 e-mail Address

ATTACHMENT TO FORM C-108

RE: North Vacuum Abo West Unit #14

PART I MorningStar Operating, LLC, plans to convert the North Vacuum Abo West Unit #14 (30-025-23944) to an injection well in the Abo formation.

PART II MorningStar Operating, LLC
400 W. 7th St.
Fort Worth, TX 76102

PART III Well Data Sheets attached

PART IV This is an expansion of an existing project. NMOCD Order R-6857.

PART V Map attached designating 2 mile and ½ mile radius of review.

PART VI Well tabulation and P&A schematics attached.

PART VII

1. Anticipated average rates of 300 bwpd. Anticipated maximum injection rates of 750 bwpd.
2. This will be a closed system.
3. Injection pressure expected at average surface pressure of 3,000 psi and maximum surface pressure of 4,170 psi.
4. Previously submitted under NMOCD Order R-6857.
5. Application is for secondary recovery.

PART VIII Previously submitted under NMOCD Order R-6857/Case #7400.

PART IX The stimulation program will be ~3,000 gals of 15% HCL.

PART X Logs on file with NMOCD for 30-025-23944. Logs filed under NMOCD Order R-6857/Case #7400.

PART XI Previously submitted under NMOCD Order R-6857/Case #7400.

PART XII Application is for secondary recovery.

PART XIII Copies of the NMOCD Form C-108, the well data sheet, and map have been sent to the offset operators and surface owner as per listing below.

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ Yes ☐ No
- II. OPERATOR: MorningStar Operating LLC _____
ADDRESS: 400 W 7th St, Fort Worth, TX 76102 _____
CONTACT PARTY: Connie Blaylock, MorningStar Operating, Regulatory _____ PHONE: 817-334-7882 _____
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ Yes ☐ No
If yes, give the Division order number authorizing the project: R-6857 _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
NAME: Connie Blaylock _____ TITLE: Regulatory Analyst _____
SIGNATURE: Connie Blaylock _____ DATE: 04/07/2025 _____
E-MAIL ADDRESS: cblaylock@mspartners.com _____
- XV. If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

DISTRIBUTION: File Electronically via OCD Permitting

Side 2

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: MORNINGSTAR OPERATING, LLCWELL NAME & NUMBER: NORTH VACUUM ABO WEST UNIT #14

WELL LOCATION: 660' FNL & 1,980' FEL B 28 17S 34E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"
 Cemented with: 275 sx. **or** _____ ft³
 Top of Cement: SFC Method Determined: CIRC

Intermediate Casing

Hole Size: _____ 11" Casing Size: 8-5/8"
 Cemented with: 1,100 sx. **or** _____ ft³
 Top of Cement: SFC Method Determined: CIRC

Production Casing

Hole Size: 7-7/8" Casing Size: 4-1/2"
 Cemented with: 1,000 sx. **or** _____ ft³
 Top of Cement: 3,450' Method Determined: CBL
 Total Depth: 8,975'

Injection Interval

8,800' feet to 8,896'

(**Perforated** or ~~Open Hole~~; indicate which)

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-3/8" Lining Material: IPCType of Packer: 5-1/2" internally plastic coated injection packer w/ 1.50" ID 'F' SS profilePacker Setting Depth: 8,750'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes **X** No

If no, for what purpose was the well originally drilled? Abo Producer

2. Name of the Injection Formation: Abo

3. Name of Field or Pool (if applicable): Vacuum Abo North

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No.

There are squeeze holes @ 3,170' that were used for remedial cmt job.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Drinkard – Top: 7,810'

Wolfcamp – Top: 9,723'

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

State of New Mexico
 Energy, Minerals & Natural Resources
 Department
 OIL CONSERVATION DIVISION

Page 9 of 33
 Revised July 9, 2024
 Submit Electronically
 via OCD Permitting

Submittal Type: ☒ X Initial Submittal (same as)
☐ Amended Report
☐ As Drilled

WELL LOCATION INFORMATION

API Number 30-025-23944	Pool Code 61760	Pool Name VACUUM; ABO, NORTH
Property Code 331881	Property Name NORTH VACUUM ABO WEST UNIT	Well Number 014
OGRID No. 330132	Operator Name MORNINGSTAR OPERATING LLC	Ground Level Elevation 4073'
Surface Owner: <input type="checkbox"/> X State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> X State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

UL B	Section 28	Township 17S	Range 34E	Lot	Ft. from N/S 660 FNL	Ft. from E/W 1980 FEL	Latitude 32.8113289	Longitude -103.5635452	County LEA
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Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Dedicated Acres 80	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers. R-6857			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input type="checkbox"/> X Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Connie Blaylock 04/01/2025
 Signature Date

CONNIE BLAYLOCK

Printed Name

CBLAYLOCK@MSPARTNERS.COM

Email Address

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

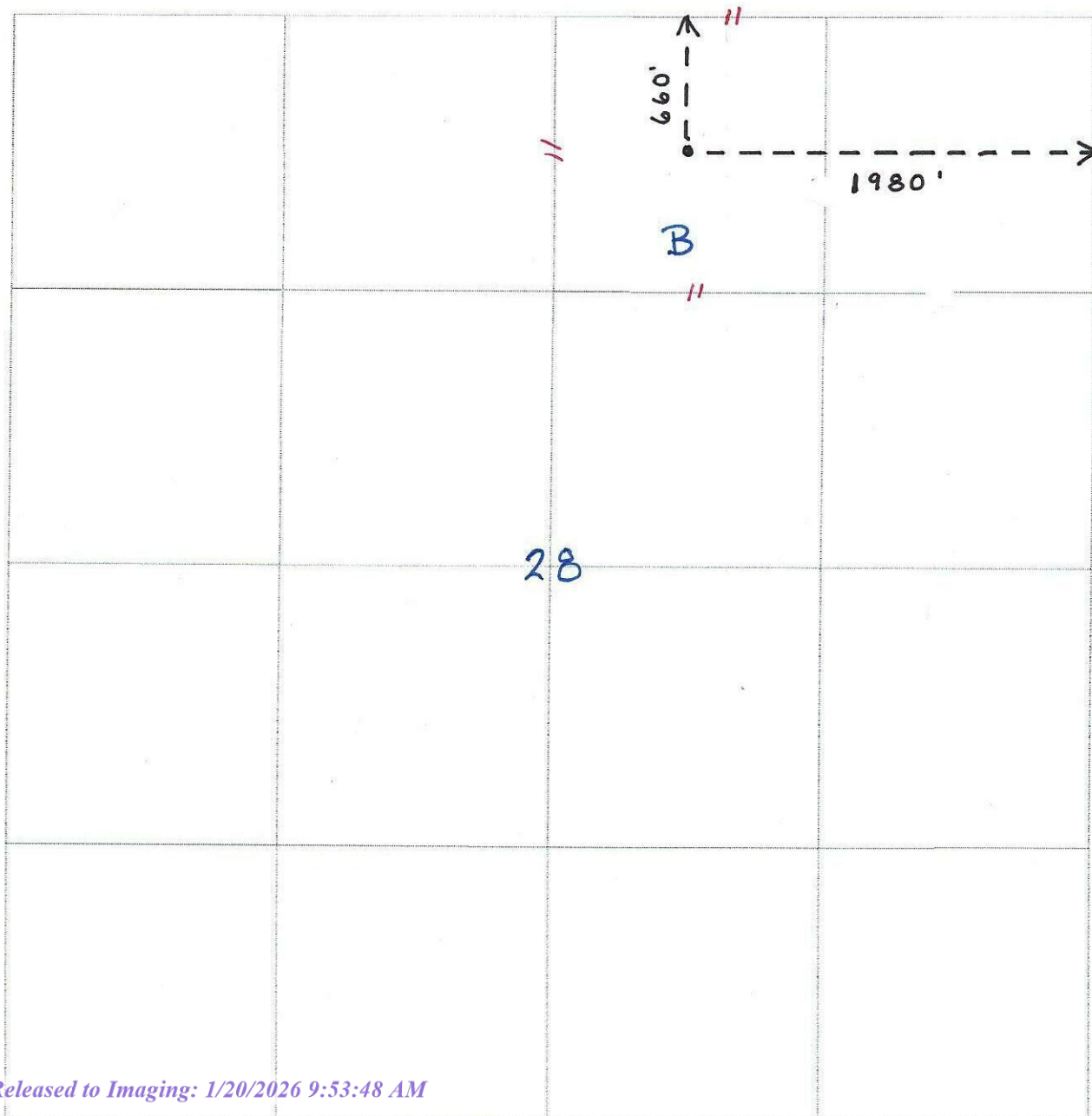
Signature and Seal of Professional Surveyor

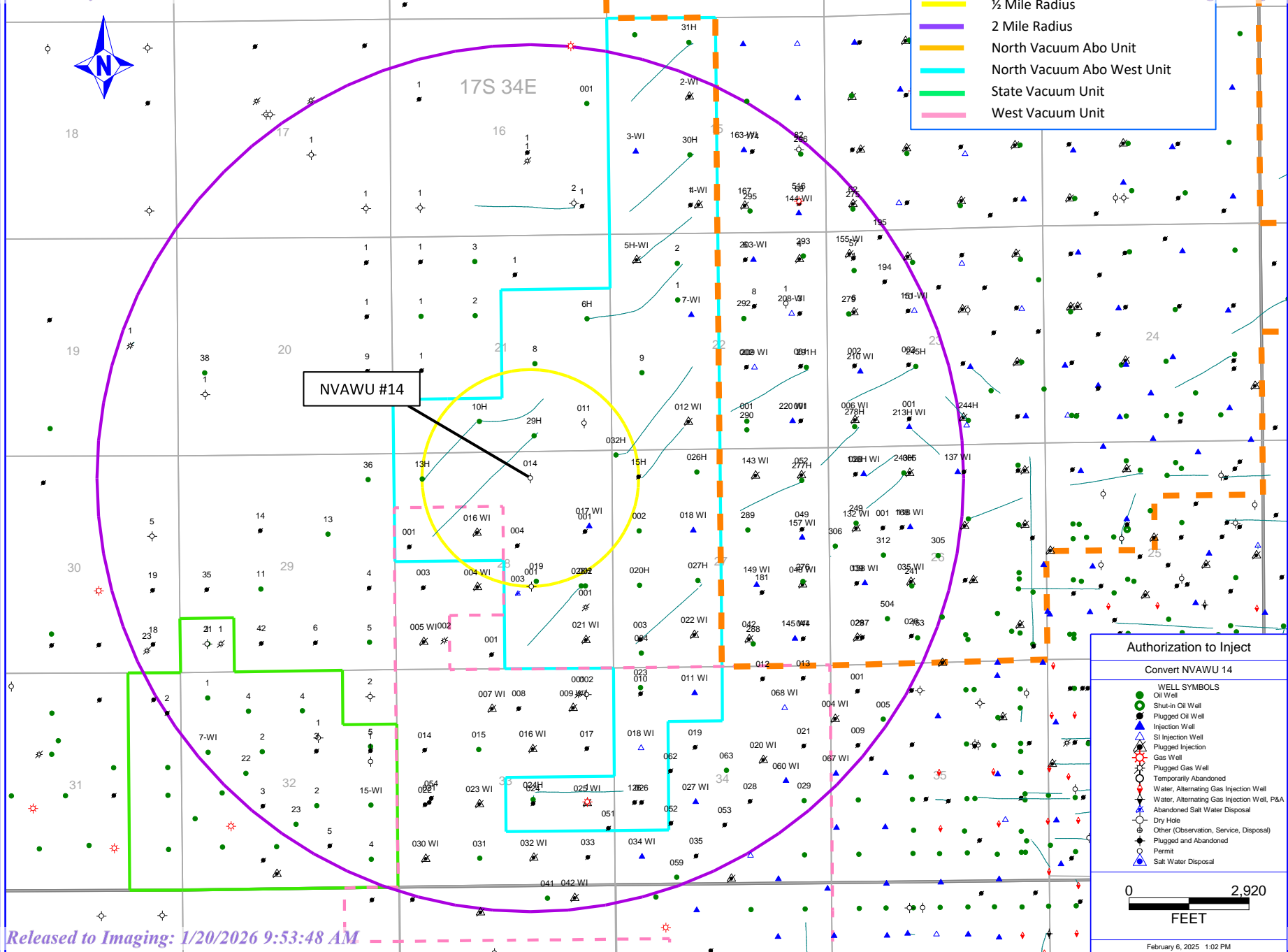
Certificate Number

Date of Survey

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.





Wells within 1/2 mile radius of NVAWU 14

	API	WELL NAME	WELL NO	WELL STATUS	WELL TYPE	WELL DIR	PLUG DATE	SPUD DATE	POOL NAME	FOOTAGES	UL	SEC	TWP	RNG	MD	TVD	ELEV_GR	ELEV_KB	OPERATOR
1	3002527944	CASA STATE	#001	PLUGGED	OIL	V	12/18/2024	9/28/1982	GRAYBURG-SAN ANDRES	1980 FNL, 660 FEL	H	28	17S	34E	5,170	5,170	4,044	4,050	MORNINGSTAR OPERATING
2	3002528369	CASA STATE	#004	PLUGGED	OIL	V	2/27/2004	12/31/1983	GRAYBURG-SAN ANDRES	2310 FNL, 2310 FEL	G	28	17S	34E	5,020	5,020	4,050	4,058	RAY WESTALL
3	3002524062	NORTH VACUUM ABO WEST UNIT	#010H	ACTIVE	OIL	H		5/15/1972	ABO	660 FSL, 2180 FWL	N	21	17S	34E	10,450	8,849	4,063	4,078	MORNINGSTAR OPERATING
4	3002524019	NORTH VACUUM ABO WEST UNIT	#011H	ACTIVE	OIL	H		1/14/1972	ABO	660 FSL, 660 FEL	P	21	17S	34E	10,911	8,819	4,058	4,068	MORNINGSTAR OPERATING
5	3002524046	NORTH VACUUM ABO WEST UNIT	#013H	ACTIVE	OIL	H		4/11/1972	ABO	660 FNL, 660 FWL	D	28	17S	34E	10,650	8,886	4,076	4,087	MORNINGSTAR OPERATING
6	3002523944	NORTH VACUUM ABO WEST UNIT	#014	TEMPORARY ABANDONMENT	OIL	V		11/23/1971	ABO	660 FNL, 1980 FEL	B	28	17S	34E	8,977	8,975	4,061	4,073	MORNINGSTAR OPERATING
7	3002523905	NORTH VACUUM ABO WEST UNIT	#015H	PLUGGED	OIL	H	10/7/2017	10/22/1971	ABO	660 FNL, 660 FWL	D	27	17S	34E	10,120	8,600	4,049	4,063	MORNINGSTAR OPERATING
8	3002524047	NORTH VACUUM ABO WEST UNIT	#016	PLUGGED	OIL	V	8/26/2011	3/4/1972	ABO	1980 FNL, 1980 FWL	F	28	17S	34E	8,910	8,910	4,068	4,076	MORNINGSTAR OPERATING
9	3002523835	NORTH VACUUM ABO WEST UNIT	#017	ACTIVE	OIL	V		8/9/1971	ABO	1852 FNL, 554 FEL	H	28	17S	34E	9,000	9,000	4,049	4,061	MORNINGSTAR OPERATING
10	3002523880	NORTH VACUUM ABO WEST UNIT	#019	ACTIVE	OIL	V		9/18/1971	ABO	2104 FSL, 1856 FEL	J	28	17S	34E	8,929	8,929	4,050	4,062	MORNINGSTAR OPERATING
11	3002534668	NORTH VACUUM ABO WEST UNIT	#029H	ACTIVE	OIL	H		11/6/1999	ABO	365 FSL, 1880 FEL	O	21	17S	34E	12,412	8,838	4,065	4,084	MORNINGSTAR OPERATING
12	3002534094	NORTH VACUUM ABO WEST UNIT	#032H	ACTIVE	OIL	H		3/6/1998	ABO	130 FNL, 130 FWL	D	27	17S	34E	11,842	8,732	4,050	4,068	MORNINGSTAR OPERATING
13	3002508454	STATE AF	#001	PLUGGED	OIL	V	12/7/1944	6/24/1944		1980 FSL, 1980 FEL	J	28	17S	34E	4,972	4,878	4,063	4,063	MORNINGSTAR OPERATING

Plugged wells within 1/2 mile radius: Schematic info follows

Wells within 1/2 mile radius of NVAWU 14

	API	WELL NAME	WELL NO	WELL STATUS	PLUG DATE
1	3002527944	CASA STATE	#001	PLUGGED	12/18/2024
2	3002528369	CASA STATE	#004	PLUGGED	2/27/2004
7	3002523905	NVAWU	#015H	PLUGGED	10/7/2017
8	3002524047	NVAWU	#016	PLUGGED	8/26/2011
13	3002508454	STATE AF	#001	PLUGGED	12/7/1944

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

Form C-103
 Revised July 18, 2013

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

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.)		WELL API NO. 30-025-27944
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 MORNINGSTAR OPERATING LLC		6. State Oil & Gas Lease No.
3. Address of Operator 400 W 7TH ST, FORT WORTH, TX 76102		7. Lease Name or Unit Agreement Name CASA STATE
4. Well Location Unit Letter <u>H</u> : <u>1980</u> feet from the <u>N</u> line and <u>660</u> feet from the <u>E</u> line Section <u>28</u> Township <u>17S</u> Range <u>34E</u> NMPM County <u>LEA</u>		8. Well Number <u>001</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4044' GL		9. OGRID Number 330132
		10. Pool name or Wildcat VACUUM; GRAYBURG-SAN ANDRES

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

11/21/2024 MIRU pulling unit. POOH w/rods and tubing. RDMO on 11/26/2024

MIRU Turnkey P&A Rig 12/11/2024

Plug 1: RIH w/CIBP and set @ 4455'. Tested casing - good. Spotted 25 sx class C cement on CIBP. MIRU wireline, ran CBL, RDMO wireline. Tagged TOC @ 3,933'

Plug 2: Spotted 25 sx cement plug from 3,933' - 3,700.

Plug 3: Perf'd @ 2,750'. Tested - no injection. Spotted 35 sx cement @ 2,800'. Tagged TOC @ 2,310'

Plug 4: Perf'd @ 1,750'. Tested - no injection. Spotted 40 sx cement @ 1,800'. Tagged TOC @ 1,240'

Plug 5: Perf'd @ 370'. Pumped 110 sx cement and circulated to surface.

12/18/2024 Topped well with cement, cut off wellhead, welded dry hole marker. Well PA'd.

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 Connie Blaylock TITLE Regulatory Analyst DATE 01/06/2025

Type or print name Connie Blaylock E-mail address: cblaylock@txoenergy.com PHONE: 817-334-7882

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Well Name: CASA STATE #1
 Location: 1980 FNL & 660 FEL Sec: 28 Township: 17S Range: 34E
 County: Lea State: NM API: 30-025-27944

P&A'd

GL: 4,044'
 Spud Date: 9/28/1982

Surface Csg

Size: 8-5/8"
 Wt & Thrd: 24#
 Grade: J-55
 Set @: 1,557'
 Sx Cmt: 840
 Circ: YES
 TOC: SFC
 Hole size: 12-1/4"

Plug #5:
 Perf @ 370'
 Pumped 110 sx cmt & circ to sfc

Plug #4:
 Perf @ 1,750'. Tested - No Injection.
 Spotted 40 sx cmt @ 1,800'
 Tagged TOC @ 1,240'

Plug #3:
 Perf @ 2,750'. Tested - No injection.
 Spotted 35 sx cmt @ 2,800'
 Tagged TOC @ 2,310'

Plug #2:
 25 sx cmt from 3,933' - 3,700'

Plug #1:
 CIBP @ 4,455' Capped w/ 25 sx Cmt
 Tagged TOC @ 3,933'

Production Casing

Size: 4-1/2"
 Wt & Thrd: 10.5#
 Grade: J-55
 Set @: 5,164'
 Sx Cmt: 560
 Circ:
 TOC:
 Hole size: 7-7/8"

PERFS (1983):
 4505' - 4618'
 4675' - 4729'
 4906' - 37'
 4966' - 68'

PBTD:
 TD: 5,170'

Submit 3 Copies To Appropriate Districts

Office

District I

1625 N. French Drive., Hobbs, NM 88240

District II

1301 W. Grand, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State Of New Mexico
Energy, Minerals, and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103

Revised March 25, 1999

Well API No. 30-025-28369
5. Indicate Type Of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
6. State Oil and Gas Lease No. E-8712
7. Lease Name Or Unit Agreement Name: CASA STATE
8. Well No. 4
9. Pool Name Or Wildcat VACUUM GRAYBURG 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 ☒ Gas Well ☐ Other ☐

Name Of Operator

Ray Westall Operating

Address Of Operator

P.O. Box 4 - Loco Hills, New Mexico 88255

Well Location

Unit Letter **G** : **2310'** Feet From The **NORTH** Line And **2310'** Feet From The **EAST** Line

Section **28** Township **17S** Range **34** NMPM County **LEA**

10. Elevation (Show whether DR, RKB, RT, GR, ect.)
3169 GR

11. Check The Appropriate Box To Indicate Nature Of Notice, Report Or Other Data

NOTICE OF INTENTION TO:**SUBSEQUENT REPORT OF:**Remedial Work ☐ Plug And Abandon ☐Remedial Work ☐ Alter Casing ☐Temporarily Abandon ☐ Change Plans ☐Commence Drilling OPNS. ☐ Plug and Abandonment ☒Pull Or Alter Casing ☐ Multiple Completion ☐Casing Test and Cement Job ☐Other ☐Other: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

02/26/04

SPOT 75 SXS @ 900'
WOC 4 HRS TAGGED PLUG @ 710'

02/27/04

CIRC HOLE WITH HEAVY MUD SPOT 40 SXS CMT @ 450'-257'
SET AT 62' CIRC 20 SXS CMT TO SURFACE

INSTALL DRY HOLE MKR
CLEAN UP LOCATION

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

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

Signature

Willie English

Title

Production Secretary

Date

03/04/04

Type Or Print Name:

Willie English

Telephone No.

(505) 677-2370

(THIS SPACE FOR STATE USE)

QC FIELD REPRESENTATIVE II/STAFF MANAGER

APPROVED BY

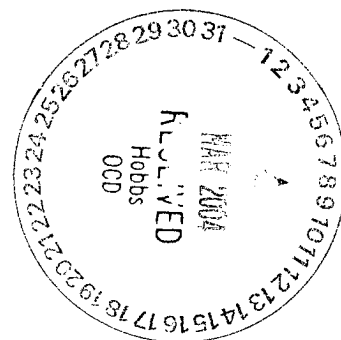
Harry W. Wink

Title

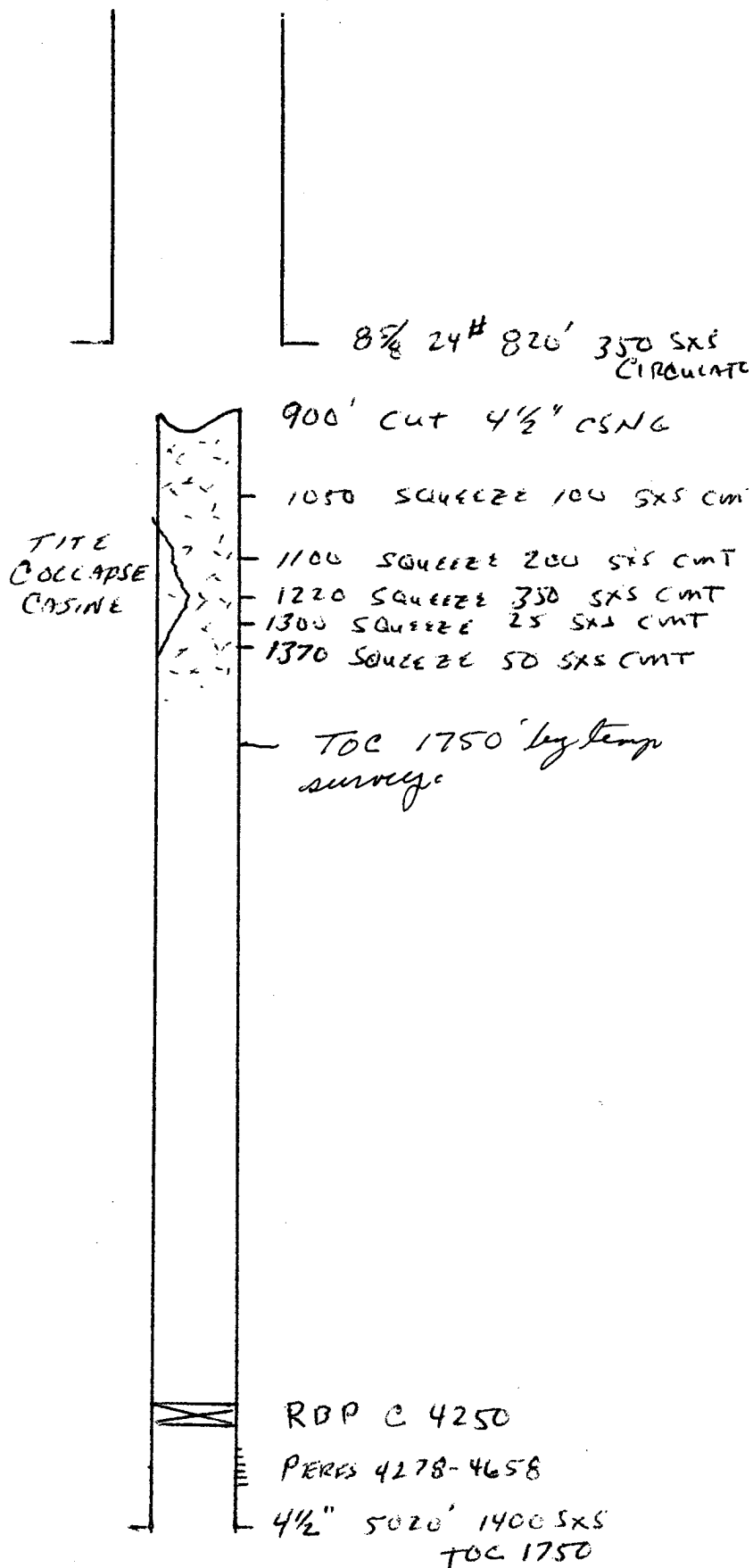
Date

MAR 10 2004

Conditions Of Approval If Any:



RAY WESTALL Page 17 of 33
CASA ST. #4
CURRENT CONDITIONS



Submit 1 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

Form C-103

Revised July 18, 2013

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

WELL API NO. 30-025-23905
5. Indicate Type of Lease STATE X FEE
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name NORTH VACUUM ABO WEST UNIT
8. Well Number 15 H
9. OGRID Number 4323
10. Pool name or Wildcat VACUUM ABO
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4,049' GL

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 WATER INJECTOR

2. Name of Operator
CHEVRON U.S.A. INC.

3. Address of Operator
6301 DEAUVILLE BOULEVARD RM #N3007 MIDLAND, TX. 79706

4. Well Location Y- LAT 32.811230 X-LONG. -103.554450
 Unit Letter D : 660 feet from the NORTH line and 660 feet from the WEST line
 Section 27 Township 17- S Range 34- E NMPM County LEA

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF IN

PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

INT TO PA
 P&A NR PM
 P&A R

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.

10/01/17 MOVE IN & SPOT EQUIPMENT, NDWH & NU BOP, RIH W/ TBG.

10/02/17 RIH TAG PLUG @ 8,440', TEST CSG 500# GOOD, MIX & SPOT 25 SX CL "H" CMT FROM 8,840' - 8,215', CIR MLF TO SURFACE, MIX & SPOT 25 SX CL "H" CMT FROM 8,185' - 7,960', MIX & SPOT 25 SX CL "C" CMT FROM 6,195' - 5,995'.

10/04/17 RIH & TAG @ 7,983', MIX & SPOT 25 SX CL "C" CMT FROM 6,207' - 5,954', MIX & SPOT 25 SX CL "C" CMT FROM 4,654' - 4,401', MIX & SPOT 25 SX CL "C" CMT FROM 3,855' - 3,603'.

10/06/17 MIX & SPOT 25 SX CL "C" CMT FROM 2,867' - 2,615', PERF @ 1,701' & 300' BOTH HELD 500# GOOD. MIX & SPOT 26 SX CL "C" CMT FROM 1,751' - 1,488'.

10/07/17 RIH TAG @ 1,550', M. WHITAKER W/ NMOC OK DEPTH, MIX & SPOT 40 SX CL "C" CMT FROM 351' - SURFACE. NIPPLE DOWN, RD & MOVE OUT, TURN OVER TO RECLAMATION.

CLOSED LOOP SYSTEM USED, CLASS "H & C" CEMENT USED.
 CA BOND: 0329

Approved for Plugging of wellbore only. Liability under bond is retained pending restoration and completion of the C-103, Specific for Subsequent Report of Well Plugging, which may be found on the OCD web page under forms.
 Restoration Due By 10-06-2018

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 [Signature] TITLE Agent for Chevron U.S.A. DATE 10/16/17

Type or print name Monty L. McCarver E-mail address: monty.mccarver@cjes.com PHONE: 713-325-6288

For State Use Only

APPROVED BY: [Signature] TITLE P.E.S. DATE 10/18/2017

Conditions of Approval (if any):

CURRENT
WELLBORE DIAGRAM

NVAWU #15

LOCATION

State	New Mexico
County	Lea
Surface Location	660 FNL, 660 FWL
	Sec 27, T-17S, R-34E

WELL ID INFORMATION

Lease Name	North Vacuum Abo West Unit
Field	Vacuum North
Reservoir	Abo
Ref #	FG9155
API #	30-025-23905

KB: _____

DF: _____

GL: 4049'

Original Spud Date: 10/21/1971

Original Compl. Date: 11/25/1971

Surface Csg.	
Size:	8 5/8"
Wt.	24#
Set @:	1850'
Sxs cmt:	750sx
TOC:	Surface
Hole Size:	11"

T. Anhy	1580
T. Salt	1720
B. Salt	
T. Yates	2860
T. 7 Rivers	
T. Queen	3834
T. Grayburg	
T. San Andres	4625
T. Glorieta	6195
T. Paddock	
T. Dinebry	
T. Tubb	
T. Drinkard	
T. Abo	8185
T. Wolfcamp	
T. Penn.	
T. Cisco (Dough C)	

Production Csg.	
Size:	5 1/2"
Wt. (top to bottom):	17#
Set @:	8830'
Sxs Cmt:	2450sx
TOC:	surface
Hole Size:	7 7/8"

11/91- perfs 8741-45 12 spf, 8674,84,92 2 spf 6 holes, ac 3 mgals 15% + BS; frac 83.5 m gals XL gel + 157,640 # 20/40 sand. Max 8400# 25 BPM
1997- cut laterals
10/01- CO laterals and acid upper lateral 33,314 gals 15% DAD; ac lower lateral 10,000 gals DAD + 20,000 gals 15%
8/06 - TA'd due to MIT failure (did not appear to support offset prod and assumed a packer leak)

2 3/8" L-80 lb/g
PKR @ 8403

8/2006 - set CIBP @ 8450' w/ 1 sx cmt on top of CIBP. Cmt @ 844 J.

SW Lateral 8536' - 10266'
BHL: 2061 FNL & 767 FEL, Sec28
Window 8536' - 8545'

No stimulation on this lateral??

NE Lateral 8613' - 10303'
BHL: 809 FSL 2017' FWL, Sec22
Window 8613' - 8622'

Treated w/ ported subs
100,000 gals 15%

Abo Perforations
original perfs → 8707, 8, 9, 25, 26, 27, 32, 33, 34,
36, 38, 61, 62, 63, 69, 70, 71, 79, 80
added perfs → 8741-45, 8674, 84, 92

PBYD: 8667'
TD: 8830'

UPDATED BY: SMI

DATE: 6/23/2010

**Proposed
WELLBORE DIAGRAM**

NVAWU #15

LOCATION

State	New Mexico
County	Lea
Surface Location	660 FNL, 660 FWL
	Sec 27, T-17S, R-34E

WELL ID INFORMATION

Lease Name	North Vacuum Abo West Unit
Field	Vacuum North
Reservoir	Abo
Ref #	FG9155
API #	30-025-23905

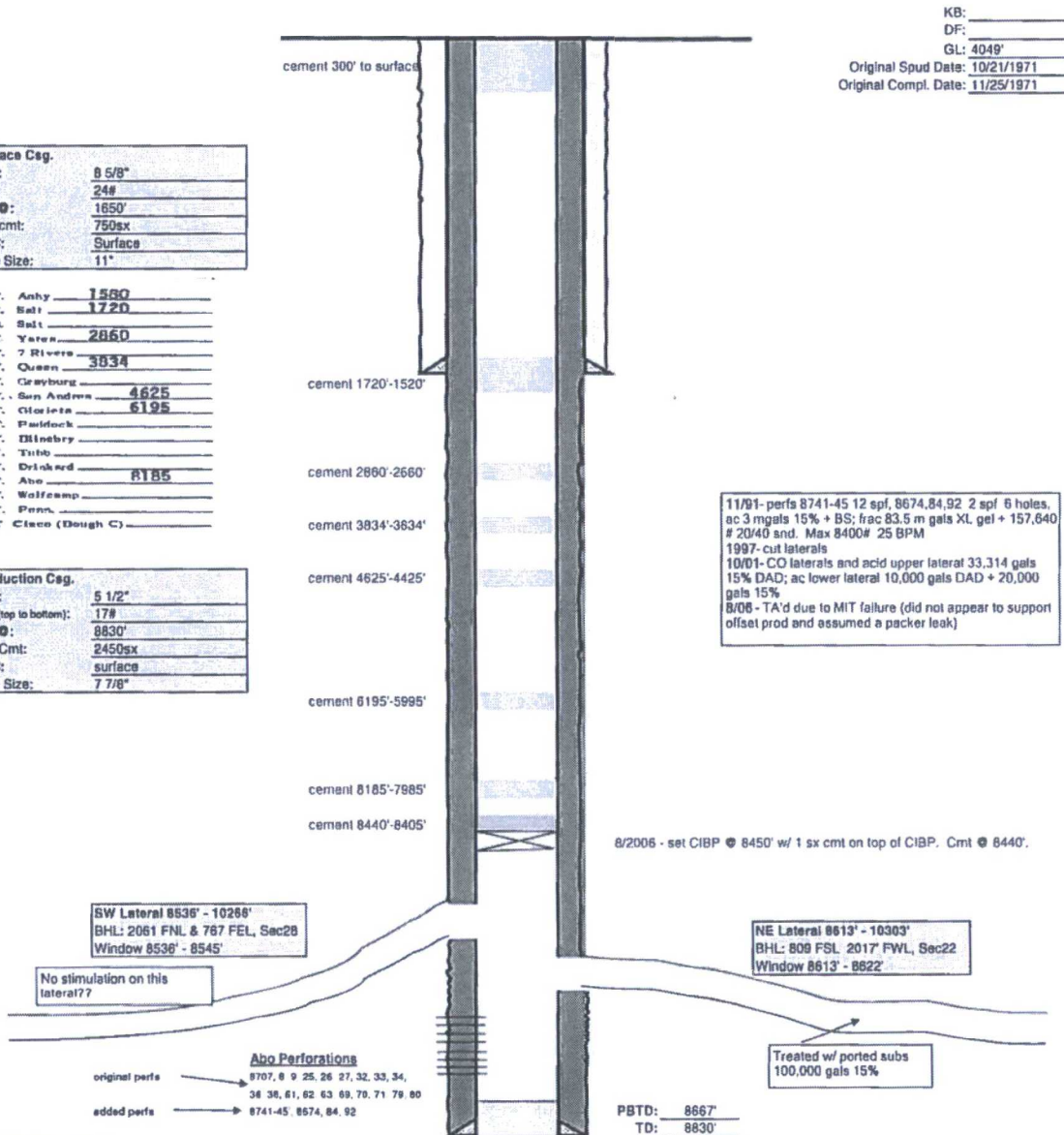
Surface Csg.

Size:	8 5/8"
Wt.	24#
Set @:	1650'
Sxs cmt:	750sx
TOC:	Surface
Hole Size:	11"

T. Anhy	1580
T. Salt	1720
E. Salt	
T. Yates	2860
T. 7 Rivers	3834
T. Queen	3834
T. Grayburg	
T. San Andres	4625
T. Glorieta	6195
T. Padlock	
T. Dinabry	
T. Tinto	
T. Drinkard	
T. Abo	8185
T. Wolfcamp	
T. Penn.	
T. Cloco (Dough C)	

Production Csg.

Size:	5 1/2"
Wt. (top to bottom):	17#
Set @:	8830'
Sxs Cmt:	2450sx
TOC:	surface
Hole Size:	7 7/8"



UPDATED BY: SMI
DATE: 6/23/2010

Submit 3 Copies To Appropriate District

Office

District I

1625 N French Dr, Hobbs, NM 88240

District II

1301 W Grand Ave, 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

Form C-103

March 4, 2004

HOBBS OCS

SEP 02 2011

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

WELL API NO.

30-025-24047

5. Indicate Type of Lease

STATE ☒ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

North Vacuum Abo West Unit

8. Well Number

16

9. OGRID Number

4323

10. Pool name or Wildcat

Vacuum Abo, North

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 ☐ Injector ☒

2. Name of Operator

Chevron Mid Continent L.P.

3. Address of Operator

15 Smith Rd, Midland, Tx 79705

4. Well Location

Unit Letter F : 1980 feet from the North line and 1980 feet from the West lineSection 28 Township 17-S Range 34-E NMPM Lea County

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

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL F Sect 28 Twp 17S Rng 34-E Pit type Steel Depth to Groundwater _____ Distance from nearest fresh water well _____

Distance from nearest surface water _____ Below-grade Tank Location UL _____ Sect _____ Twp _____ Rng _____ ;

1980 feet from the North line and 1980 feet from the West line

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 COMPLETION ☐OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒CASING TEST AND 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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. Tag CIBP @ 8450'

2. Circ Hole w/ 200 bls MLF

3. Spot 30 sx "c" cmt from 8450'-8154'

4. Perf & Sqz 60 sx "c" cmt from 6290'-6090' (Gloneta) woc Tag @ 5987'

5. Perf & Sqz 55 sx "c" cmt from 2965'-2765' (S. Andres/B. Salt est.) woc. Tag @ 2713'

6. Perf & Sqz 75 sx "c" cmt from 1720'-1455' (Shoe/T-Salt est.) woc & Tag @ 1454'

7. Perf 400' circ 125 sx "c" cmt down 5 1/2" up through 8 5/8" Annulus csg to surf (Fr. Wtr./Surf) wo. Tag @ surf.

8. Install Dry Hole Marker P&A complete 8/26/11

Approved for plugging of well bore only.
Liability under bond is retained pending receipt
of C-103 (Subsequent Report of Well Plugging)
which may be found at OCD Web Page under
Forms, www.cfmhd.state.nm.us/oed.I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.SIGNATURE Jimmy Bagley TITLE Manager DATE 8/26/11Type or print name Jimmy Bagley E-mail address: _____ Telephone No. 432-561-8600

(This space for State use)

APPROVED BY [Signature] TITLE Staff Mgr DATE 9-6-2011

Conditions of approval, if any: _____

LOCATION

State	New Mexico
County	Lea
Surface Locat	1980 FNL 1980 FWL
	Sec 28, T-17S, R-34E

WELL ID INFORMATION

Lease Name	North Vacuum Abo West Unit
Field	Vacuum North
Reservoir	Abo
Ref #	
API #	30-025-24047

DF

GL 4068

Original Spud Date 3/6/1972

Original Compl Date 4/19/1972

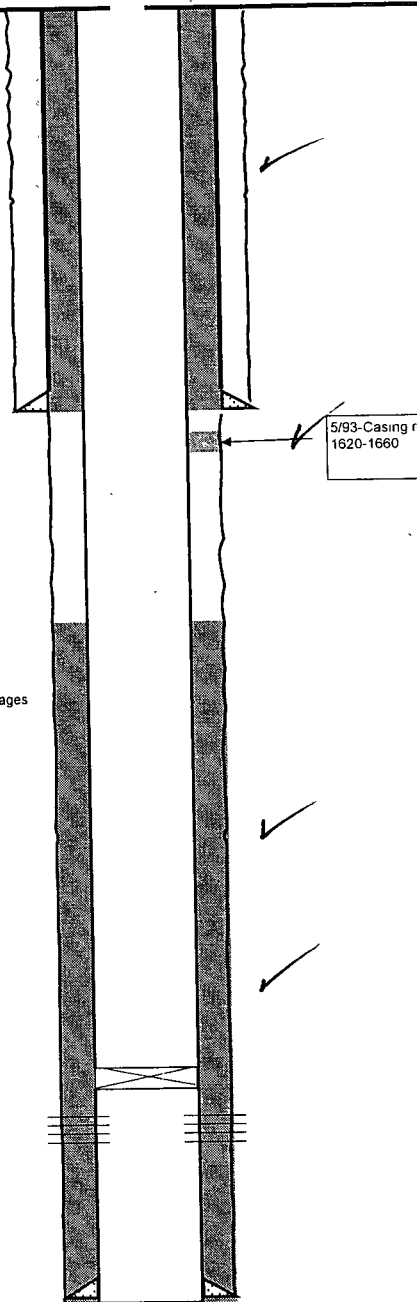
CASING DETAIL

Surface Csg.	
Size	8 5/8"
Wt	24# K-55
Set @	1620'
Sxs cmt	850sx
TOC	Surface
Hole Size	11"
Production Csg.	
Size	5 1/2"
Wt (top to bottom)	17# N-80
Set @	8910'
Sxs Cmt	3000sx
TOC	
Hole Size	7 7/8"

NVAWU #16

Well History

- 4/17/1972 Initial Completion**
Spotted 250gal double inhibited 15% NEA in 5-1/2" csg 8870-8570'
Perforations 8777,87,81,89,92,94,95,8807,14,20,22,28,30,36,42,44,50,51,57,59 (2spf)
Acidize perms with 500gal 15% NEA & 10,000gal 20% NEA in 4- 2500gal stages
with 200# benzoic flakes b/t stgs, overflush ea stg w/500gals 15% NEA & 3000gal gel brine
MaxP 5000#, IR 5 bpm, ISIP 2800#, 15min 2700#
24hr test pumped 121 bo, 7bw, 112 mcf
- 10/11/1984 Convert to Injection**
Acidize perms 8777' - 8859' w/10000gal 30# gel brine, 10000gal 20% NEFE acid in 2 equal stages
500# rock salt between stages, flush w/2500gals gel brine
Ran 2-3/8" plastic coated tbg to 8738'
- 12/13/1990 Repair Casing Leak**
Tested csg with packer & plug - csg ok above 8227
Set 2-3/8" tbg to 8200'
- 5/24/1993 Bradenhead Squeeze**
400sx Class "C" 2% CaCl
ISIP 400#
Injection Rate 185bpd @ 1550psi
- 3/12/1997 Step Rate Test**
Maximum Surface Injection Pressure 4165psig
5-1/2" packer set @ 8454'
- Abo perforations**
8777,78,81,89,92,94,95,8807,14,20,22,28,30,36,42,44,50,51,57,59 (2spf)
- 9/2006 - set CIBP @ 8450' capped w/ 1 sx cement TA'd 9/19/06



PBTD: _____
TD: 8910'

UPDATED BY SMI
DATE 3/12/2010

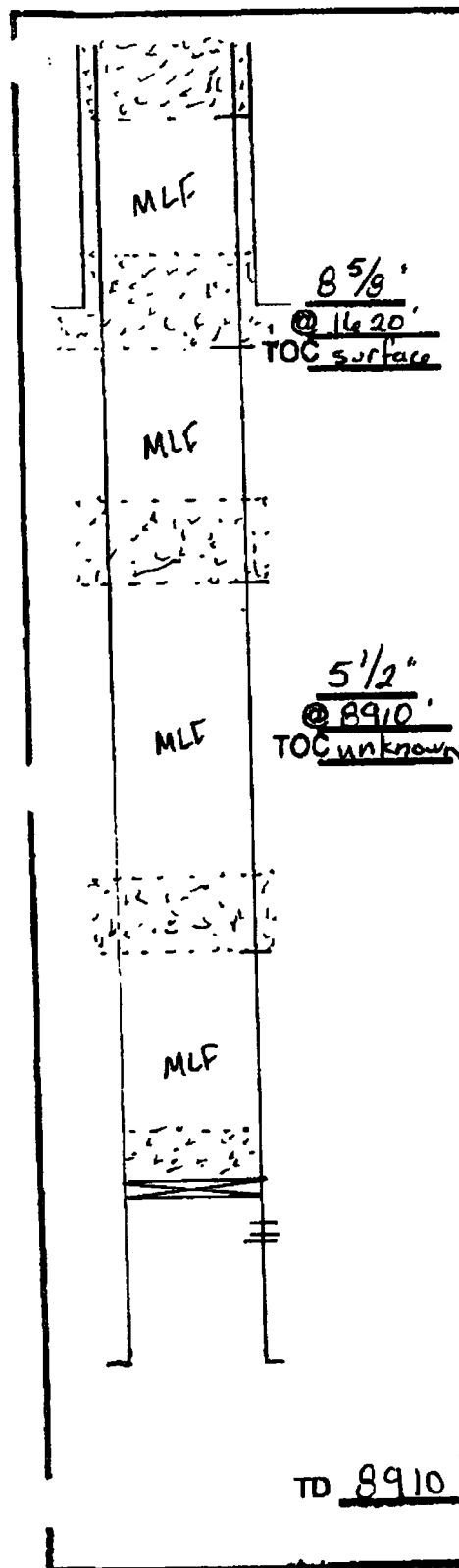
MAY-20-04 08:12 From:815ZZ18

13033858120

17120 1.04700 000 000

PLUGGING & ABANDONMENT WORKSHEET (2 STRING CSNG)OPERATOR CHEVRON USA Inc.LEASENAME North Vacuum Abo West UnitWELL # 16SECT 28 TWN 17S RNG 34EFROM 1980 (N) S L 1980 E (N) LTD: 8910' FORMATION @ TD

PBTD: FORMATION @ PBTD



	SIZE	SET @	TOC	TOC DETERMINED BY	
SURFACE	8 5/8"		surface	circulated	
INTMED 1					
INTMED 2					
PROD	5 1/2"	8910	unknown		
	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					
	CUT & PULL @			TOP - BOTTOM	
INTMED 1			PERF	8777 - 8859	
INTMED 2			OPENHOLE	-	
PROD					

***REQUIRED PLUGS DISTRICT!**

PLUG	TYPE	BACKS	DEPTH
PLUG	PLUG	CMNT	
EXAMPLES			
PLUG #1	OH	35 SXS	6400'
PLUG #2	SHOE	50 SXS	3350'-5450'
PLUG #3	CIBP/35'		4800'
PLUG #4	CIBP	25 SXS	4800'
PLUG #5	STUB	50 SXS	3600'-3700'
PLUG #6	RETNR SXS	200 SXS	400'
PLUG #7	SURF	10 SXS	0-10'
PLUG #8	CIBP	305x	8450'-8250'
PLUG #9	Gloricta	1605x	6290'-6090'
PLUG #10	S. Anchor	555x	2965'-2765'
PLUG #11	B. Salt est.		
PLUG #12	shoe	755x	1720'-1455'
PLUG #13	T. Salt est.		
PLUG #14	Ec. Wtr.	1095x	400'-surface
PLUG #15	surface		
PLUG #16			
PLUG #17			
PLUG #18			
PLUG #19			
PLUG #20			
PLUG #21			
PLUG #22			
PLUG #23			
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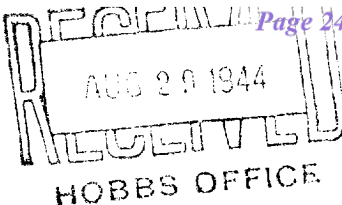
TD 8910

Form C-102

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES



Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	X
NOTICE OF INTENTION TO DEEPEN WELL			

Midland, Texas, August 26, 1944

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

The Texas Company's State of New Mexico "AF" Well No. 1 in NW 1/4 SE 1/4
Company or Operator Lease
of Sec. 28, T. 17-S, R. 34-E, N. M. P. M., Vacuum Field,
Lee County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

This well was drilled to total depth of 4972' without encountering any commercial shows of oil or gas. At 4725', well was tested and showed no oil and a slight odor of gas. At 4825', well swabbed dry, and at 4972' swabbed 3 barrels of water per hour on 24-hour test.

5-1/2" casing set at 4076' with 300 sacks. 8-5/8" casing set at 892' with 300 sacks.

Anticipate plugging this well by plugging back from 4972' to approximately 4660' with 35 sacks of cement, and 20 sacks of cement spotted in the bottom of the 5-1/2" casing from approximately 4150' to 4000'. Will then attempt to part and pull approximately 2500' of 5-1/2" casing before setting cement plug (20 sacks) in the anhydrite at the top of the salt section from approximately 1645' to 1565'. Another cement plug (20 sacks) will be spotted in the bottom of the 8-5/8" casing from approximately 920' to 860' and a 4" pipe marker extending 4' above the ground cemented in the top of the hole with 10 sacks, leaving all the 8-5/8" casing in the hole. Hole will be filled with heavy mud between all above-mentioned plugs and the cement plugs will be spotted by pumping in through tubing.

Approved _____, 19____
except as follows:

THE TEXAS COMPANY

Company or Operator

By

L. J. Shipt

Position

District Superintendent

Send communications regarding well to

Name

The Texas Company

Address

Box 1270

Midland, Texas

OIL CONSERVATION COMMISSION

By

Ray. yarrrough

Title

Oil & Gas Inspector

Form C-108

ORIGINAL

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Midland, Texas

February 20, 1945

Place

Date

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____

The Texas Company's State of New Mexico "AF" Well No. **1** in the _____
 Company or Operator Lease
NW 1/4 S 1/4 of Sec. **28**, T. **17-S**, R. **34-E**, N. M. P. M.,
Vacuum Field, **Lea** County.

The dates of this work were as follows: (See below)

Notice of intention to do the work was (~~was~~) submitted on Form C-102 on **August 26**, 19**44**
 and approval of the proposed plan was (~~was~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Total Depth, 4972' - Lime. 5-1/2" casing cemented at 4076' with 300 sacks; 8-5/8" cemented at 892' with 300 sacks.

The hole was filled with heavy mud and a cement plug of 35 sacks was spotted in the bottom of the hole from 4972' to 4660'. A 20-sack cement plug was spotted in the bottom of the 5-1/2" casing, from 4150' to 4000'. The 5-1/2" casing was parted and pulled at 1320', and a
 (See reverse side)

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____

I hereby swear or affirm that the information given above is true and correct.

20th day of **February**, 19**45**

Name **J. T. Shupert**

Mary L. Corbin *Mary L. Corbin*
 Notary Public

Position **District Superintendent**

Representing **The Texas Company**
 Company or Operator

My commission expires **6-1-45**

Address **Box 1270 Midland, Texas**

Remarks:

Roy Garbrough
 Name
 Title

plug of 20 sacks of cement spotted from 1340' to 1260' (in the top of the parted 5-1/2" casing). A cement plug of 20 sacks was spotted in the bottom of the 8-5/8" casing from 920' to 860', and a 4" pipe marker extending 4' above the ground was cemented in the top of the hole with 10 sacks. Completed salvaging, plugging and abandoning December 7, 1944.

North Vacuum Abo West Unit #14

API: 30-025-23944

Lea County, NM

Current Status: TA'd Producer

Proposed Procedure

1. MIRU. PU workstring and bit and TIH.
2. Drill out cmt (est'd @ 8,715') and CIBP @ 8,750'. Clean to top of next plug at 8,919' and POOH.
3. RIH w/ tbg and packer. Set packer above perms. Acidize perms 8,800' – 8,896' with 3,000 gals 15% HCL.
5. POOH w/ tbg and packer.
6. PU and RIH w/ IPC injection string and injection packer. Set packer @ 8,750'.
7. Pressure test tubing/casing annulus. Release from packer. Circulate backside with packer fluid. Notify NMOCD - ready to MIT. Perform MIT as directed.
8. RDMO. Turn well to injection.

WELLBORE DIAGRAM

NVAWU #14

LOCATION

State	New Mexico
County	Lea
Surface Location	660 FNL, 1980 FEL
	Sec 28, R-34E, T-17S
Unit Ltr	L
Status:	TA'd Producer

CASING DETAIL

Surface Csg.	
Size:	13 3/8"
Wt.:	48#, H-40
Set @:	255'
Sxs cmt:	275sx
TOC:	Surface
Hole Size:	17 1/2"
Intermediate Casing	
Size:	8 5/8"
Wt.:	24#-32#, K55,J55,H40
Set @:	3160'
Sxs Cmt:	1100sx
TOC:	Surface
Hole Size:	11"
Production Csg.	
Size:	4 1/2"
Wt.:	10.5# & 11.6#, K-55
Set @:	8975'
Sxs Cmt:	1000sx
TOC:	3450'
Hole Size:	7 7/8"

55 jts 4-1/2" 11.6# (1,746') (12'-1758')
 191 jts of 10.5# (6,019') (1758' - 7777')
 36 jts of 11.6# (1,167') (7777' - 8945')
 FC
 1 jt 11.6#
 FS

WELL ID INFORMATION

Lease Name	North Vacuum Abo West Unit
Field	Vacuum North
Reservoir	Abo
API #	30-025-23944
fka: "State B-8097 #1"	

KB: 4073'

DF: 4072'

GL: 4061'

Spud Date: 11/23/1971

Compl. Date: 12/29/1971

02/2012: Squeeze holes @ 3,170'.
 Squez w/ 170 bbls Class C.
 Circ to sfc.

Abo Perforations

08/2001

8800' - 8819' (2 spf, 0.41")

01/1972

8801, 03, 07, 09, 13, 18, 36, 39, 41, 47, 49, 57,
 72, 76, 78, 84, 86, 94, 96 (19 holes, 3/8")

01/1972

Perf @ 8926', 8928', 8930' @ 1 spf.
 Acidize w/ 1,000 gals 15%. Swab
 Test. Abandon w/ CIBP

04/2018: CIBP @ ~8750' w/
 35' cmt on top

CIBP 8919' - 8926'

PBDT: 8919'

TD: 8975'

WELLBORE DIAGRAM

NVAWU #14

PROPOSED

LOCATION

State	New Mexico
County	Lea
Surface Location	660 FNL, 1980 FEL
	Sec 28, R-34E, T-17S
Unit Ltr	L

CASING DETAIL

Surface Csg.	
Size:	13 3/8"
Wt.:	48#, H-40
Set @:	255'
Sxs cmt:	275sx
TOC:	Surface
Hole Size:	17 1/2"
Intermediate Casing	
Size:	8 5/8"
Wt.:	24#-32#, K55,J55,H40
Set @:	3160'
Sxs Cmt:	1100sx
TOC:	Surface
Hole Size:	11"
Production Csg.	
Size:	4 1/2"
Wt.:	10.5# & 11.6#, K-55
Set @:	8975'
Sxs Cmt:	1000sx
TOC:	3450'
Hole Size:	7 7/8"

55 jts 4-1/2" 11.6# (1,746') (12'-1758')
 191 jts of 10.5# (6,019') (1758' - 7777')
 36 jts of 11.6# (1,167') (7777' - 8945')
 FC
 1 jt 11.6#
 FS

02/2012:
 Squeeze holes
 @ 3,170'. Squeez
 w/ 170 bbls
 Class C.
 Circ to sfc.

PROPOSED:

2-3/8" IPC Tubing on IPC
 retrievable injection packer set
 @ 8,750'

Abo Perforations

08/2001

8800' - 8819' (2 spf, 0.41")

01/1972

8801, 03, 07, 09, 13, 18, 36, 39, 41, 47, 49, 57,
 72, 76, 78, 84, 86, 94, 96 (19 holes, 3/8")

CIBP 8919' - 8926'

PBTD: 8919'

TD: 8975'

01/1972

Perf @ 8926', 8928', 8930' @ 1 spf.
 Acidize w/ 1,000 gals 15%. Swab
 Test. Abandon w/ CIBP

WELL ID INFORMATION

Lease Name	North Vacuum Abo West Unit
Field	Vacuum North
Reservoir	Abo
API #	30-025-23944

fka: "State B-8097 #1"

KB: 4073'

DF: 4072'

GL: 4061'

Spud Date: 11/23/1971

Compl. Date: 12/29/1971

MorningStar Operating LLC
400 W 7TH ST
FORT WORTH TX 76102-4701

\$5.82 US POSTAGE

FIRST-CLASS IMI

Apr 07 2025

Mailed from ZIP 76102

0 OZ FIRST-CLASS MAIL LETTER
RATE

11923275



endicia

063S0011718298

USPS CERTIFIED MAIL



9407 1118 9876 5442 0651 00

NM STATE LAND OFFICE
PO BOX 1148
310 OLD SANTA FE TRAIL
SANTA FE NM 87504-1148





April 07, 2025

RE: OCD Application for Authorization to Inject
NVAWU #14, API 30-025-23944
Lea County, New Mexico

Notice to Surface Owner

MorningStar Operating LLC, Operator of the North Vacuum Abo West Unit #14, has filed an application with the New Mexico Oil Conservation Division to convert the NVAWU #14 to an injection well with injection into the Abo formation. The well is located 660' FNL and 1980' FEL, Unit Letter B, Section 28, T17S, R34E, in Lea County, New Mexico.

Please find enclosed a copy of the OCD Form C-108 and information related to the conversion of the referenced well, a copy of the legal notice posted in the Hobbs News Sun, and a map indicating the location of the NVAWU #14 in relation to offset wells.

If additional information is required, please contact me at MorningStar Operating LLC, 817-334-7882.

Interested parties must file objections or requests for hearing within 15 days with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico, 87505.

Sincerely,

Connie Blaylock

Connie Blaylock
Sr. Regulatory Analyst
MorningStar Operating LLC

Enclosure

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
April 03, 2025
and ending with the issue dated
April 03, 2025.



Publisher

Sworn and subscribed to before me this
3rd day of April 2025.



Business Manager

My commission expires
January 29, 2027

(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL	LEGAL
<p>LEGAL NOTICE April 3, 2025</p> <p>Notice is hereby given of the application of MORNINGSTAR OPERATING LLC, 400 West 7th Street, Fort Worth, TX 76102, to the Oil Conservation of the State of New Mexico, and the Commissioner of Public Lands, State of New Mexico, for approval to convert the North Vacuum Abo West Unit #14 from a producing to an injection well for the purpose of secondary recovery.</p> <p>The North Vacuum Abo West Unit #14 is located 660' FNL and 1980' FEL, Unit Letter B, Sec. 28, T17S, R34E, in Lea County, New Mexico.</p> <p>The injection interval is in the Abo formation from 8800' – 8896', through perforations. The maximum injection rate will be 750 BWPD, with a maximum allowable pressure of 4170 PSI.</p> <p>Interested parties should file objections or requests for hearing within 15 days with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505. Inquiries regarding this application should be directed to MorningStar Operating LLC, Attn: Connie Blaylock, 400 West 7th Street, Fort Worth, TX, 76102, 817-334-7882. #00299764</p>	

67118393

00299764

CONNIE BLAYLOCK
TXO PARTNERS, LP
400 W. 7TH STREET
FT. WORTH, TX 76102

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 449222

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 449222
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
stacy.sandoval	None	1/20/2026