

AE Order Number Banner

Application Number: pSYS2602033839

Initial Application Part I

WFX-1067

MorningStar Operating LLC [330132]

Received: 4/7/2025



MORNINGSTAR
PARTNERS

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

400 WEST 7TH STREET ★ FORT WORTH, TX 76102

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

<u>FOR OCD ONLY</u>	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	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.

Date

Print or Type Name

Phone Number

Connie Blaylock
Signature

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, LLC

WELL NAME & NUMBER: NORTH VACUUM ABO WEST UNIT #14

WELL LOCATION: 660' FNL & 1,980' FEL
FOOTAGE LOCATION

B UNIT LETTER

28
SECTION

17S
TOWNSHIE

34E
RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

Top of Cement: SFC Method Determined: CIRC

Intermediate Casing

Hole Size: _____ 11" _____ Casing Size: _____ 8-5/8" _____

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 _____ ft^3

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 Data1. Is this a new well drilled for injection? _____ Yes NoIf no, for what purpose was the well originally drilled? Abo Producer
_____2. Name of the Injection Formation: Abo3. Name of Field or Pool (if applicable): Vacuum Abo North4. 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'

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

Submittal Type:	<input checked="" type="checkbox"/> X Initial Submittal (same as)
	<input type="checkbox"/> Amended Report
	<input type="checkbox"/> 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 checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

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

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

Dedicated Acres 80	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.	R-6857			

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> 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

Released to Imaging: 1/20/2026 9:53:48 AM

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.

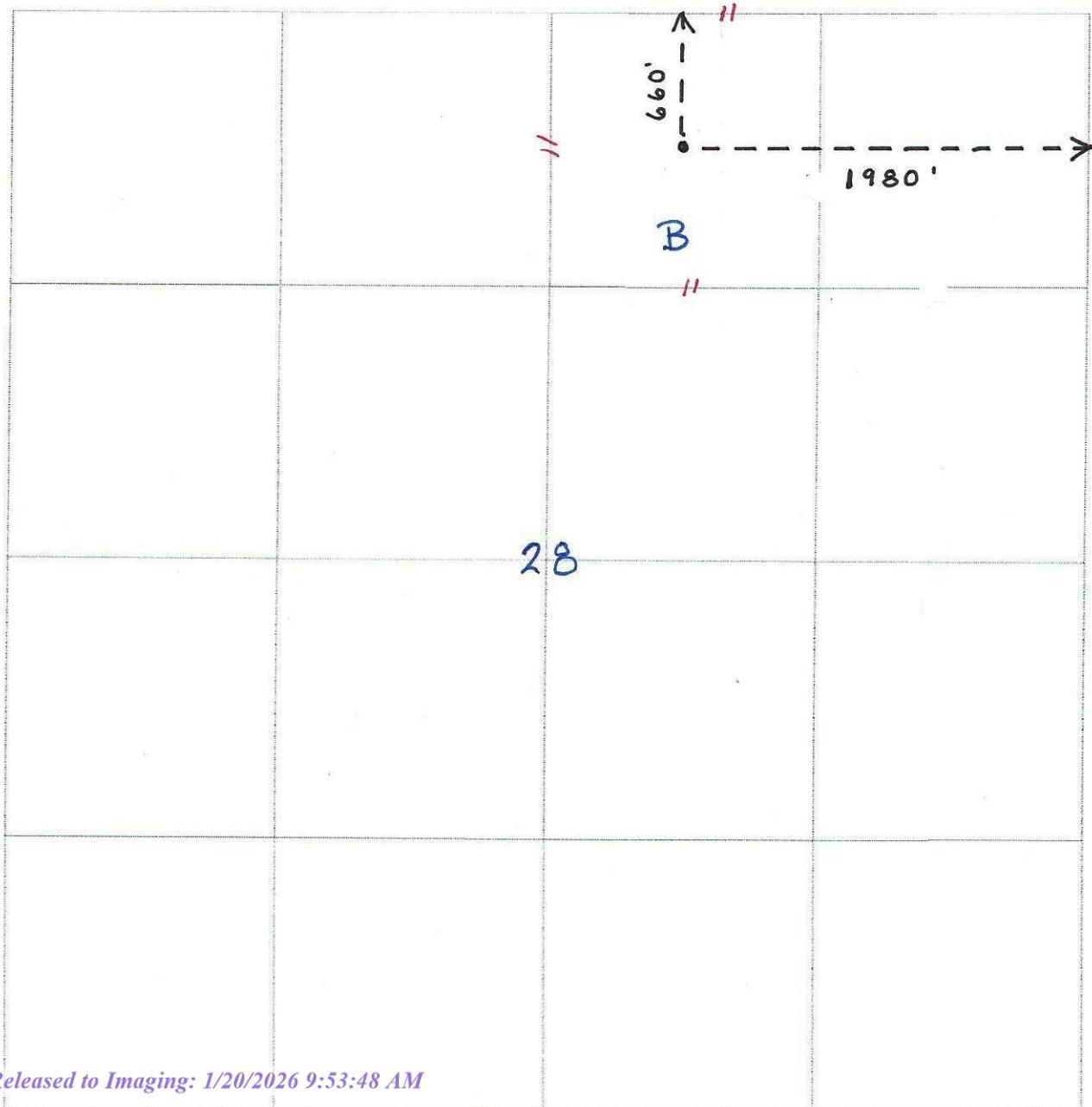
Signature and Seal of Professional Surveyor

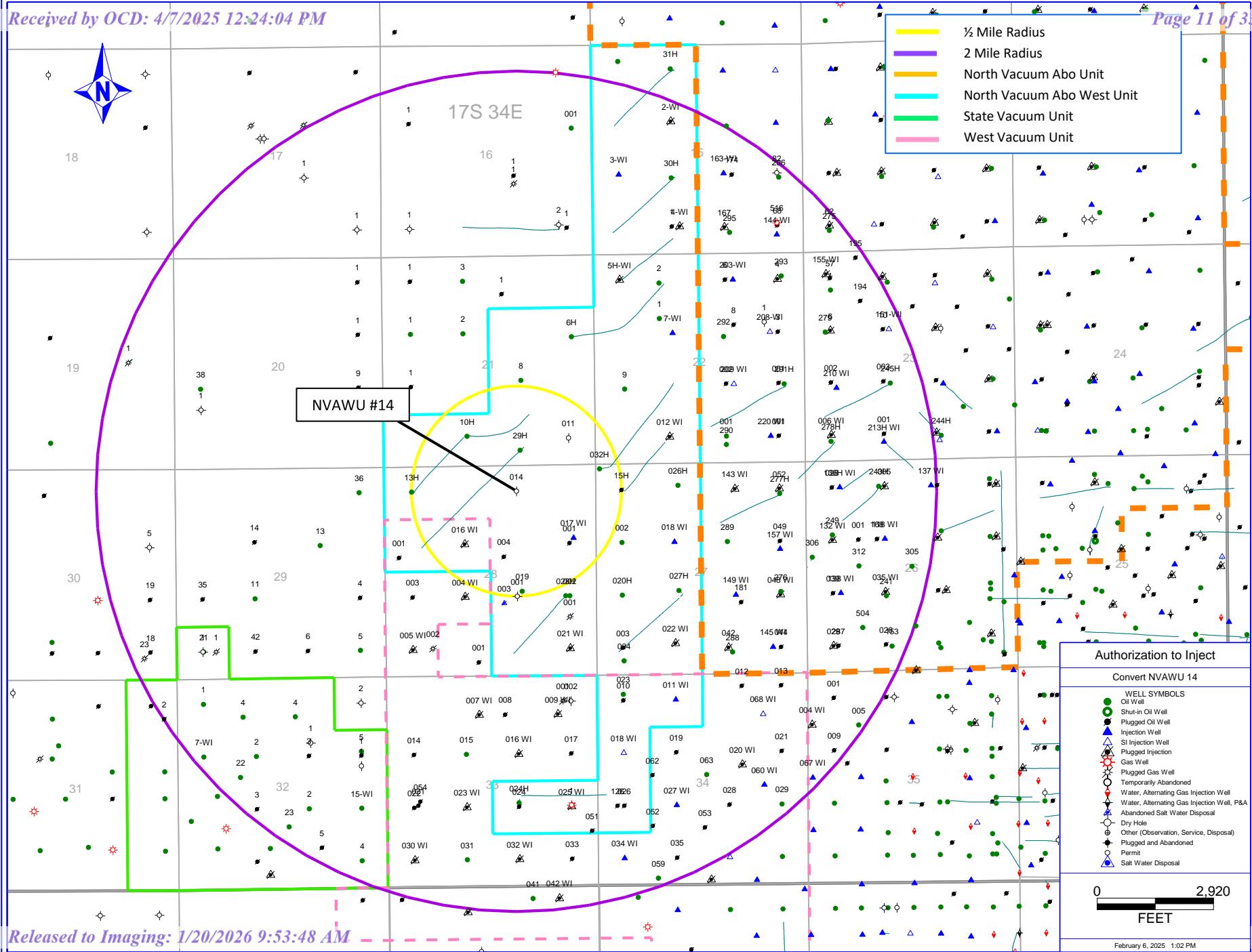
Certificate Number

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	175	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	175	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	175	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	175	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	175	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	175	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	175	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	175	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	175	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	175	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	175	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	175	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	175	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
 OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

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

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

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

P&A'd

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

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

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 #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 ResourcesOIL 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 Fee 6. State Oil and Gas Lease No.
E-87127. Lease Name Or Unit Agreement
Name:

CASA STATE

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

8. Well No.

4

Address Of Operator

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

9. Pool Name Or Wildcat

VACUUM GRAYBURG SAN ANDRES

Well Location

Unit Letter G : 2310' Feet From The NORTH Line And 2310' Feet From The EAST LineSection 28 Township 17S Range 34 NMPM County LEA10. 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:

Remedial Work Plug And Abandon

SUBSEQUENT REPORT OF:

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 SURFACEINSTALL DRY HOLE MKR
CLEAN UP LOCATIONApproved 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)

OC FIELD REPRESENTATIVE II/STAFF MANAGER

APPROVED BY

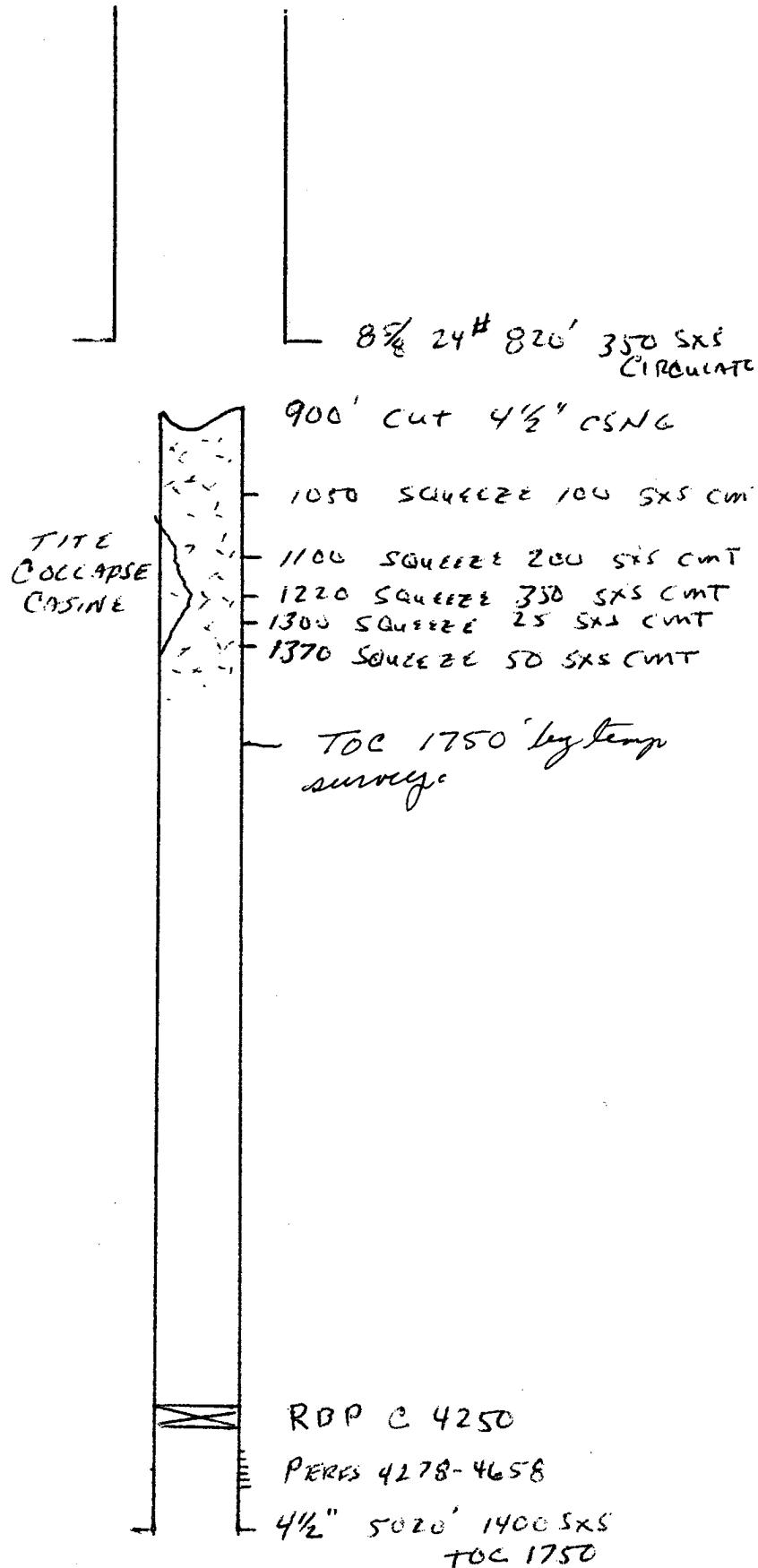
Gary W. Wink

Title

Date

Conditions Of Approval If Any:

MAR 10 2004



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 87501

HOBBS OCD
 OCT 17 2017

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		RECEIVED	
1. Type of Well:	Oil Well	Gas Well	<input checked="" type="checkbox"/> 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 <input type="checkbox"/> NORTH line and <input type="checkbox"/> 660 feet from the <input type="checkbox"/> WEST line
Section	27	Township 17- S	Range 34- E NMPM County LEA
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		4,049' GL	

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, NWDH & 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', PER @ 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/ NMOCD 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

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

SIGNATURE  TITLE Agent for Chevron U.S.A. DATE 10 / 16 / 17

Type or print name Monty L. McCarver E-mail address: monty.mccarver@ches.com PHONE: 713-325-6288
 For State Use Only

APPROVED BY:  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 @:	1650'
Sxs crmt:	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.	Glorietta	6195
T.	Paddock	
T.	Blueberry	
T.	Tubb	
T.	Drinkard	
T.	Abo	R185
T.	Wolfcamp	
T.	Penn	
T.	Cisco (Dough C)	

Production Csg.

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

11/91- perf 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 8400psi 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 fbg
PKR @ 8403

8/2006 - set CIBP @ 8450' w/ 1 sx cmt on top of CIBP. Cmt. @ 8443'.

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%

PBTD: 8667'
TP: 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

KB: _____

DF: _____

GL: 4049'

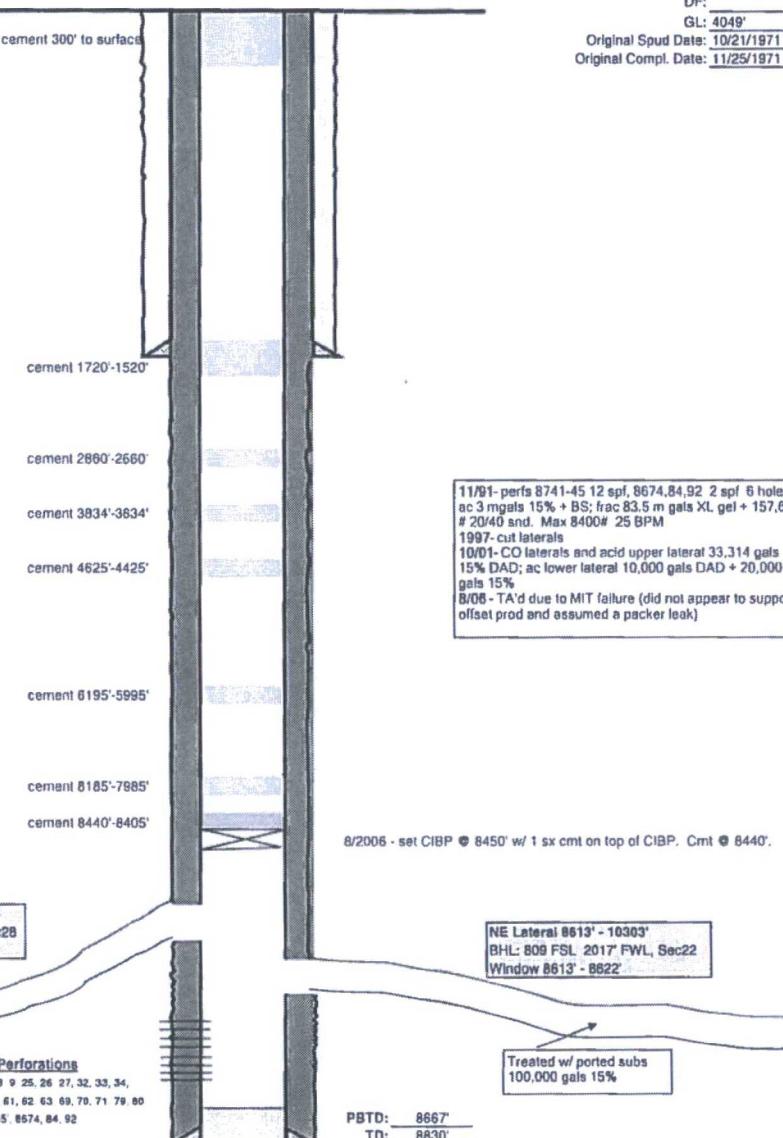
Original Spud Date: 10/21/1971

Original Compl. Date: 11/25/1971

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

T. Anhy	1580
T. Bell	1720
D. Bell	2860
T. Yates	2860
T. 7 Rivers	3034
T. Queen	3034
T. Grayburg	
T. San Andrews	4625
T. Glorieta	6195
T. Pauldore	
T. Ellinberry	
T. Tubb	
T. Driskard	8185
T. Ave	8185
T. Wofflemp	
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"



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

HOBBS OCD

State of New Mexico

Energy, Minerals and Natural Resources

SEP 02 2011 OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

Form C-103

March 4, 2004

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)		7. Lease Name or Unit Agreement Name North Vacuum Abo West Unit
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <u>Injector</u>		8. Well Number 16
2. Name of Operator Chevron Mid Continent L.P.		9. OGRID Number 4323
3. Address of Operator 15 Smith Rd, Midland, Tx 79705		10. Pool name or Wildcat Vacuum Abo, North
4. Well Location Unit Letter <u>F</u> : <u>1980</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>28</u> Township <u>17-S</u> Range <u>34-E</u> NMPM Lea County		7. Lease Name or Unit Agreement Name North Vacuum Abo West Unit
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		8. Well Number 16

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:

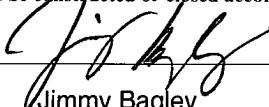
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. Tag CIBP @ 8450'
2. Circ Hole w/ 200 bbls MLF
3. Spot 30 sx "c" cmt from 8450'-8154'
4. Perf & Sqz 60 sx "c" cmt from 6290'-6090' (Glorieta) 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
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.cnmhfd.state.nm.us/ocd.

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



TITLE

Manager

DATE 8/26/11

Type or print name

Jimmy Bagley

E-mail address:

Telephone No. 432-561-8600

(This space for State use)

APPROVED BY  TITLE State Manager DATE 9-6-2011
 Conditions of approval, if any:

NVAWU #16

LOCATION	New Mexico
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 perfs 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 6bpm, ISIP 2800#, 15min 2700#
24hr test pumped 121 bo, 7bw, 112 mcf

10/11/1984 Convert to Injection
Acidize perfs 8777' - 8859' w/10000gal 30# gel brne, 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'

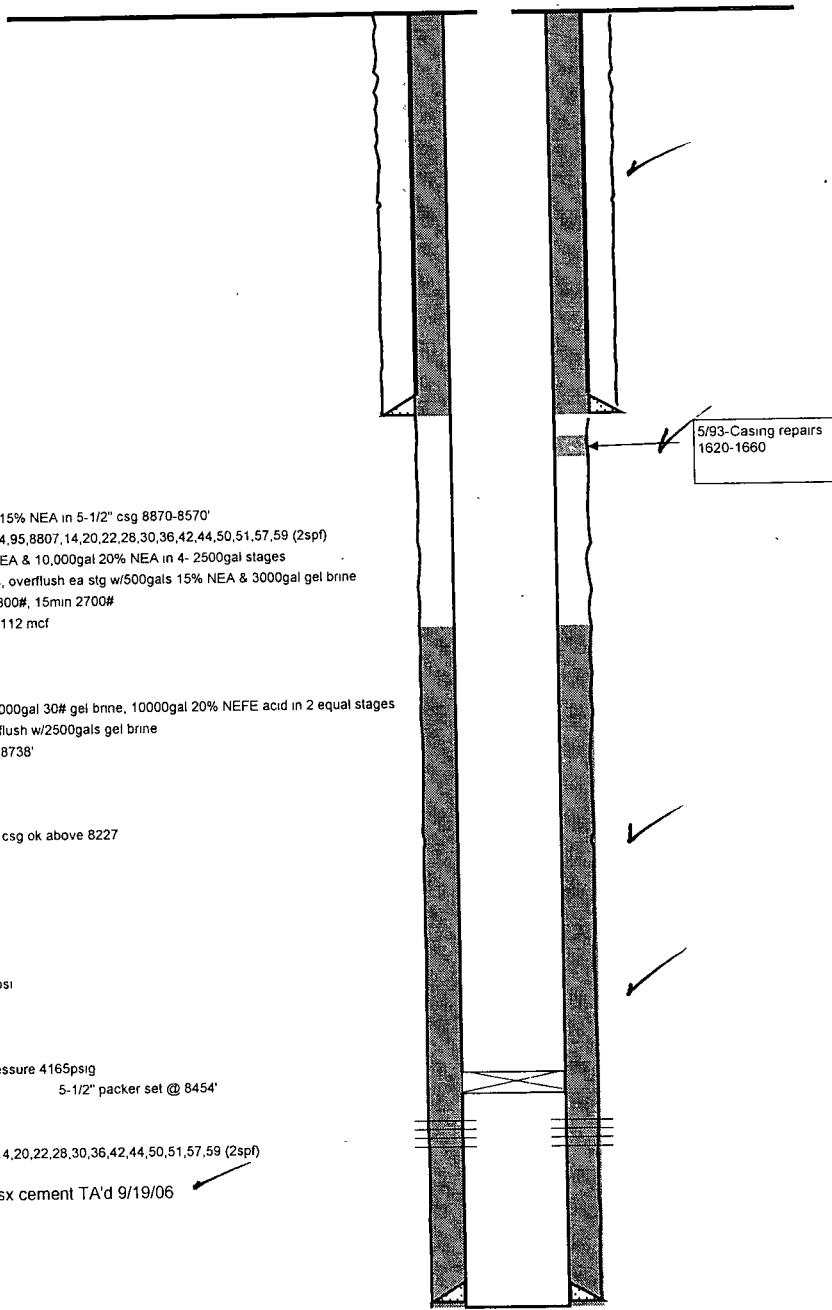
12/13/1990 Repair Casing Leak
Tested csg with packer & plug - csg ok above 8227
Set 2-3/8" tbg to 8200'

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'

Abu 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: 8152218

1300588120

17-160 1.04/000 0000000

PLUGGING & ABANDONMENT WORKSHEET (2 STRING CSNG)

OPERATOR: CHEVRON USA Inc.

LEASENAME: North Vacuum Abo West Unit

WELL #: 16

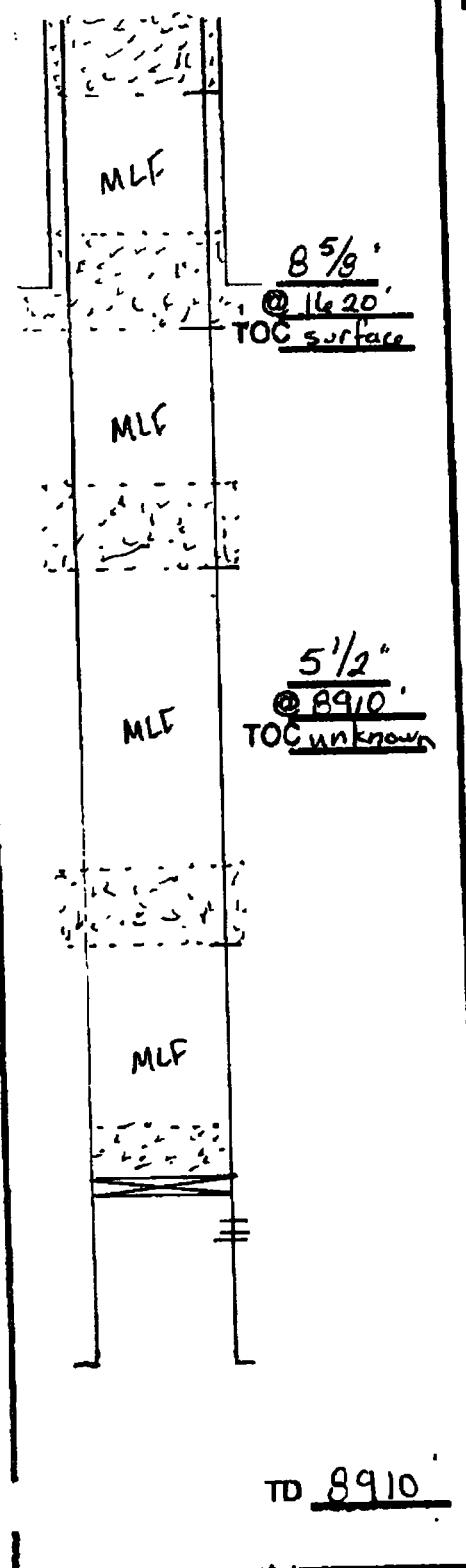
175 RNG 34E

1980 EAVL

SECT: 28 TWN
FROM: 1980 (NSL)
TD: 8910'
PBTD:

FORMATION @ TD

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			PIECES	8777 - 8859
INTMED 2			OPENHOLE	-
PROD				

*REQUIRED PLUGS DISTRICT 1

BUTLER (ANM100)	
WATER	
QUEEN	
CRATERBURG	
SAN ANDRES	2845
B. Salt est.	2845
CAPTAIN REEF	
7.5 Salt est.	1555
DELAWARE	
BELL CANYON	
CEDAR CANYON	
REDWELL CANYON	
BONE SPRINGS	
OLORON	4140
OLIVERET	
TUGG	
DRIFTER	
ABO	
WC	
PEDAN	
STRAWN	
AZOCA	
MORROW	
MES	
DEVONIAN	

PLUG	TYPE PLUG	BACKS CMNT	DEPTH
EXAMPLES			
PLUG 01	OH	35 SCS	6400'
PLUG 02	SHOE	50 SCS	3950'-5450'
PLUG 03	CIBP/33'		4800'
PLUG 04	CIBP	35 SCS	4800'
PLUG 04	STUB	30 SCS	3600'-3700'
PLUG 05	REINER SCS	200 SCS	400'
PLUG 06	SCRF	10 SCS	0-10'
PLUG 07	CIBP	30 SCS	8450', 8250'
PLUG 08	Glorieta	140 SCS	6290', 6090'
PLUG 09	S. Anchors	55 SCS	2945'-2745'
PLUG 10	B. Salt/est.		
PLUG 11	Shoe	75 SCS	1720', 1455'
PLUG 12	T. Salt/1455'		
PLUG 13	FC. Wt. 1053	400'	surface
PLUG 14	Surface		
PLUG 15			
PLUG 16			
PLUG 17			
PLUG 18			
PLUG 19			
PLUG 20			
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Form C-102

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

DUPLICATE

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.

RECEIVED
AUG 29 1944
RECEIVED
HOBBS OFFICE

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	<input checked="" type="checkbox"/>
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,
Lea 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

except as follows:

THE TEXAS COMPANY

By LJ ShlightPosition District Superintendent
Send communications regarding well toName The Texas CompanyAddress Box 1270Midland, Texas

OIL CONSERVATION COMMISSION

By Ray · yearrough
Title Oil & Gas Inspector



OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

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

Place

February 20, 1945

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 **NW 1/4 S8t** Lease **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 (**submitted**) submitted on Form C-102 on **August 26, 1944**
 and approval of the proposed plan was (**obtained**) 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**, **1945** Name **J. G. Shultz**
 Position **District Superintendent**

Mary L. Corbin Notary Public Representing **The Texas Company**
 Company or Operator

My commission expires **6-1-45** Address **Box 1270 Midland, Texas**

Remarks:

Roy G. Gausebaugh
 Name
 OIL AND GAS INSPECTOR
 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 perfs. Acidize perfs 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 DIAGRAMNVAWU #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"

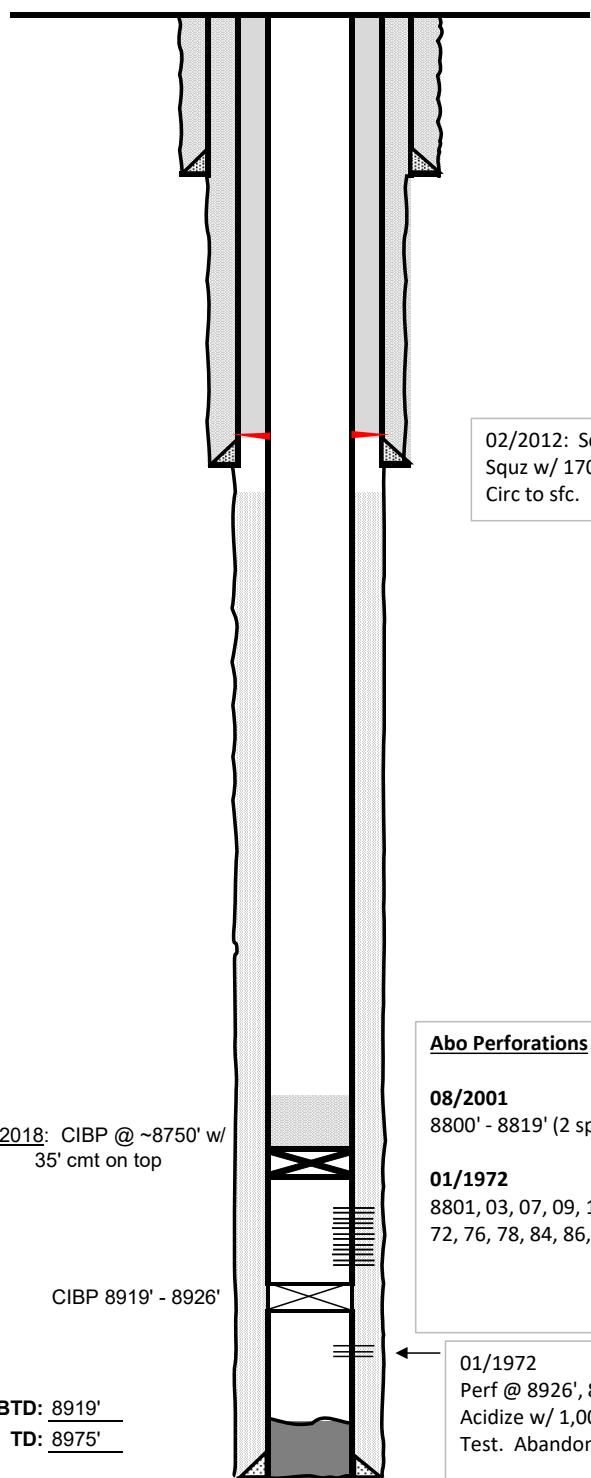
Intermediate Casing

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'.
 Squz 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

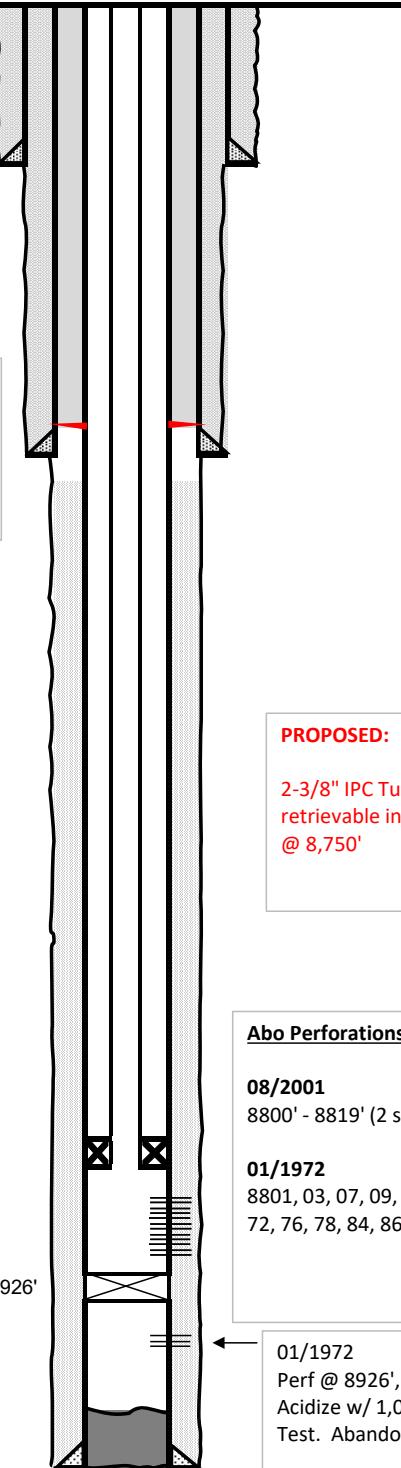
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State	New Mexico
County	Lea
Surface Location	660 FNL, 1980 FEL Sec 28, R-34E, T-17S
Unit Ltr	L

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Intermediate Casing
Size: 8 5/8"
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Size: 4 1/2"
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 191 jts of 10.5# (6,019') (1758' - 7777')
 36 jts of 11.6# (1,167') (7777' - 8945')
 FC
 1 jt 11.6#
 FS

PROPOSED**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

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")

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

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
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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





MORNINGSTAR
PARTNERS

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

400 WEST 7TH STREET ★ FORT WORTH, TX 76102

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

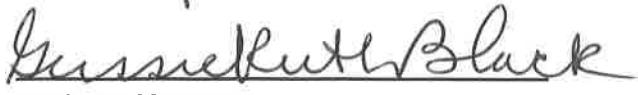
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

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
LEGAL NOTICE April 3, 2025	
<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/ocd/contact-us>

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

CONDITIONS

Action 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