U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Sundry Print Report

Well Name: WEST TEAS UNIT Well Location: T20S / R33E / SEC 9 /

NWSW / 32.5858383 / -103.6747513

County or Parish/State: LEA /

Well Number: 913

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM51844

Unit or CA Name: WEST TEAS(YTES-

7RVRS)UNIT

**Unit or CA Number:** 

NMNM103145X

**US Well Number**: 3002529972

Well Status: Water Injection Well

Operator: CHEVRON USA

INCORPORATED

# **Notice of Intent**

Sundry ID: 2712390

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 01/24/2023

Time Sundry Submitted: 01:45

Date proposed operation will begin: 02/24/2023

**Procedure Description:** 

# **Surface Disturbance**

Is any additional surface disturbance proposed?: No

# **NOI Attachments**

## **Procedure Description**

WTU\_913\_Proposed\_WBD\_20230124134504.pdf

WTU\_913\_Current\_WBD\_20230124134457.pdf

WTU\_913\_Procedure\_20230124134447.pdf

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# **Conditions of Approval**

## **Specialist Review**

WEST\_TEAS\_UNIT\_913 \_\_2712390 \_\_COA\_AND\_PROCEDURE\_20230225125219.pdf

# **Operator**

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

**Operator Electronic Signature: MARK TORRES** Signed on: JAN 24, 2023 01:45 PM

Name: CHEVRON USA INCORPORATED

Title: Well Abandonment Engineer

Street Address: 6301 DEAUVILLE BLVD

City: MIDLAND State: TX

Phone: (989) 264-2525

Email address: MARKTORRES@CHEVRON.COM

## **Field**

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

# **BLM Point of Contact**

**BLM POC Name: KEITH P IMMATTY BLM POC Title: ENGINEER** 

**BLM POC Phone: 5759884722** BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved Disposition Date: 02/25/2023

Signature: KEITH IMMATTY

Accepted for record – NMOCD **JRH** 3/24/23

## West Teas Unit #913 (Grover Federal #2)

**API**: 30-025-29972 Fresh Water Depth: 150'

Potash Area: Yes

Notes:

- Reference Onshore Operating Guidelines and Business Partner SOPs for detailed guidance.
- Contact engineer for additional well history if needed.
- WSR to assess crew competency and utilize SWA and contact Superintendent with any concerns.
- Job steps may be applicable to rig or coil. Being an injection well with a packer at 3,075' this well is a candidate for L/D rig + CTU.
- Paperwork from 2003 shows well has "Dual Line tbg", unsure if it will be possible to utilize as work string.

#### **Procedure**

Rig Work - All cement plugs calculated with 1.32 yield Class C and 1.18 yield Class H. If a different weight/yield is used, recalculate sacks based on depth.

- 1. Prior to rig arrival, verify well prep and confirm if any special or welded flanges are present that will require further intervention.
- 2. Contact BLM at least 24 hours prior to performing any work.
  - a. Place job number in WellView, note the time you contacted the agency and the engineer's name.
- 3. MIRU pulling unit.
  - a. Intrinsically safe fans and H2S scavenger required due to unknown quantities of H2S in the
- 4. Verify pressures and kill well as per Chevron Global Well Control Document.
  - a. Bubble test intermediate and surface casings for 30 minutes each and share results in WellView under daily pressure.
- 5. N/U 5K 7-1/16" Class II BOP and pressure test 250 psi low and 1,500 psi, MASP + 500 psi, or max anticipated pressure (whichever is larger) high for 5 min each.
  - a. On a chart with no bleed off allotted.
- 6. MIRU wireline unit.
- 7. R/U 5K lubricator system w/ pack-off and pressure test t/ 1,000 psi f/ 10 min.
  - a. Consider grease injection if nearby homes/businesses or if MASP + 500 psi is above 1,000 psi.
- 8. Run gauge ring/collar log to log collars and verify packer depth.
- 9. M/U and set CITP above packer or in packer profile at +/-3,075'.
- 10. RIH w/ low flare jet cutter and cut tubing above packer.
  - a. May also elect to attempt to release on/off tool.
- 11. RDMO wireline unit.
- 12. Verify tubing is free, attempt to break circulation and pressure test production csg.
- 13. TOH w/ production tubing.
- 14. RIH w/ work string or Coil Tubing, spot 25 sx Class C Cement from 3,075' 2,710' (Isolate perfs/Yates).
- 15. WOC
- 16. Tag TOC and pressure test casing to 1,500 psi for 15 minutes.
- a. <u>Do not exceed burst pressure of casing.</u> Released to Imaging: 3/24/2023 11:34:03 AM

- b. Min. plug depth 2,975'.
- 17. Spot 106 sx Class C Cement from 2,710' 1,156' (Isolate Salt Section, Surface csg shoe).
  - a. Plug must be at or above 1,206' (50' above csg shoe). 1194'. (Excess: 10% for 1000'.) Tag and verify
- 18. Conduct bubble test for 30 minutes on all casing annuli.
  - a. If bubble test fails, contact engineer to discuss running a CBL to confirm cement quality behind pipe and/or adjusting forward plan for a perforate and squeeze contingency, cement plug or identify any opportunity to cut & pull casing, or R/D and monitor well.
  - b. Ultimate goal is to address failed test prior to fresh water depths.
  - c. Confirm forward plan with engineer and request forward plan approval from BLM.
- 19. If bubble test passes, proceed to isolate to surface.
  - a. Notify BLM of any proposed changes to cement volumes
- 20. Spot 25 sx Class C cement from 360' to surface filling production casing to surface.
- 21. Verify cement to surface.
- 22. RDMO

BLM Note: P&A procedure OK as proposed. R111P area. Please note mix water requirements and tag salt section plug

KEITH
Digitally si
by KEITH
IMMATTY

Digitally signed

Date: 2023.02.25 12:50:53 -07'00'

FIELD: West Teas (RJ2)

LOC: 1980' FSL & 660' FWL TOWNSHIP: 20S

RANGE: 33E UNIT LETTER: L WELL NAME: West Teas Unit #913 (Grover Federal #2)

GL: 3543' SEC: 9 COUNTY: Lea KB: 3553' STATE: NM DF:

CURRENT STATUS: SI Injector API NO: 30-025-29972 CHEVNO: IK7515 Base of Fresh Water: 150'

Spud Date: 11/12/87 Initial Prod: 2/9/88 Initial Completion Date: 12/1/87 80 BOPD Initial Formation: Yates 0 MCFPD To: 3239' From: 3217' 35 BWPD

#### Completion data:

11/12/87: Spud date 12/1/87: Completion date

Formation - Yates

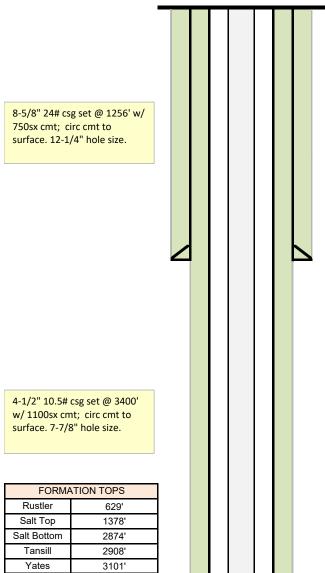
3217-3239' - 500 g 15% NEFE acid and frac'd w/ 380 bbls wtr, 60 tons CO2, 35k#

20/40 snd & 28.5k# 12/20 snd PBTD @ 3355', TD @ 3400'.

2/9/88: 24-hour OPT - 80bo, 0mcf, 35bw f/ 3217-3239'.

#### Subsequent Wellwork:

4/29/03: Convert to water injection - RUPU, POOH w/ rods, pmp and tbg. RIH w/ 4-1/2" scraper and tag bottom @ 3264'. RIH w/ guns and perf w/ 2 spf f/ 3217-3237'. Set treating pkr @ 3168' and sqz w/ 50 bbls 15% NEFE acid. POOH w/ pkr, RIH w/ CIBP & set @ 3200'. RIH w/ guns and perf w/ 2 spf f/ 3114-24' & 3158-72'. Stim 3114-3172' perfs w/ 32 bbls 15% NEFE acid, 61,140# 20/40 sand and 874 bbls gelled wtr. RIH w/ 3-7/8" bit, d/o CIBP @ 3200' and push to bottom. PU 4-1/2" Uni 1 inj pkr & 98 jts 2-3/8" Dual Line tbg, pmp 55 bbls pkr fluid and set pkr @ 3075'. Test csg to 350# for 30 mins - ok. Well on inj.



Seven Rivers 3268'

98 jts 2-3/8" dual line inj tbg

Uni 1 inj pkr @ 3075'

COTD: 3286' ? (CIBP) PBTD: 3355'

TD: 3400'

Yates Perforations: 3114-24' & 3158-72' w/ 2 spf (4/2003)

3217', 20', 27', 31', 37' & 39' w/ 2 jspf (11/1987) 3217-3237' w/ 2 spf (4/2003)

FIELD: West Teas (RJ2)

LOC: 1980' FSL & 660' FWL TOWNSHIP: 20S

RANGE: 33E UNIT LETTER: L

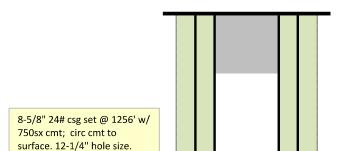
#### WELL NAME: West Teas Unit #913 (Grover Federal #2)

SEC: 9 GL: 3543' COUNTY: Lea KB: 3553' STATE: NM DF:

API NO: 30-025-29972

CHEVNO: IK7515 Base of Fresh Water: 150'

CURRENT STATUS: SI Injector



#### **Isolate Fresh Water**

Spot 25 sx Class C f/ 360' - 0'

Spud Date: 11/12/87

Initial Completion Date: 12/1/87

Initial Formation: Yates

From: 3217' To: 3239' Initial Prod: 2/9/88

80 BOPD 0 MCFPD

35 BWPD

4-1/2" 10.5# csg set @ 3400' w/ 1100sx cmt; circ cmt to surface. 7-7/8" hole size.

FORMATION TOPS

Rustler	629'			ı
Salt Top	1378'			ı
Salt Bottom	2874'			ı
Tansill	2908'			ı
Yates	3101'			ı
Seven Rivers	3268'			ı
Uni 1 inj pkr (	@ 3075' ———	•	×××	
COTD: 3286' PBTD: 3355'	? (CIBP)			1

#### Isolate Salt Section/Surface Shoe

Spot 106 sx Class C f/ 2,710' - 1,156'

R111P requirements apply to salt section. Proposed depths and volume OK. Tag and verify

## Isolate Yates/Perfs

Est. Mechanical Barrier (CITP in tubing or CIBP in csg) Spot 25 sx Class C f/ 3,075' - 2,710' WOC & tag plug

Leak test first barrier. 500psi, 30mins

Yates Perforations:

3114-24' & 3158-72' w/ 2 spf (4/2003)

3217', 20', 27', 31', 37' & 39' w/ 2 jspf (11/1987)

3217-3237' w/ 2 spf (4/2003)

TD: 3400'

Sundry ID 2712390

Plug Type	Тор	Bottom	Length	Tag	Sacks	Notes
				Verify		
				circulated		
Surface Plug	0.00	100.00	100.00	to surface	25.00	
				WOC and		R111P plug across
Shoe Plug	1193.44	1306.00	112.56	Tag	131.00	salt
				WOC and		R111P plug across
Top of Salt @ 1378	1314.22	1428.00	113.78	Tag	131.00	salt
				WOC and		R111P plug across
Base of Salt @ 2874	2795.26	2924.00	128.74	Tag	131.00	salt
						R111P plug across
Yates @ 3101	3019.99	3151.00	131.01		131.00	salt
				Verify		
				CIBP		Leak test 500psi,
CIBP Plug	3040.00	3075.00	35.00	depth	131.00	30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C<7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Critical, High Cave Karst: Cave Karst depth to surface

R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

Class C: 1.32 ft^3/sx Class H: 1.06 ft^3/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

CIBP @

3075.00

Cave Karst/Potash Cement	R111-P	50 Feet from Base of Sa	<mark>lt to Surfac</mark>	500.00
Shoe @ Shoe @	1256.00 3400.00			
Perforatons Top @	3114.00	Perforations	3237.00	

# BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

# Permanent Abandonment of Federal Wells Conditions of Approval (LPC Habitat)

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

- 2. <u>Notification:</u> Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.
- 3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
- 4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.
- 5. <u>Cement Requirement</u>: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.** 

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off. Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

- 7. <u>Subsequent Plugging Reporting:</u> Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**
- 8. <u>Trash:</u> All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

# Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted



# **United States Department of the Interior**

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310

# **Reclamation Objectives and Procedures**

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its predisturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines (Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure). Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of
  Operations must include adequate measures for stabilization and reclamation of disturbed lands.
  Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD
  process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

- 5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos Supervisory Petroleum Engineering Tech/Environmental Protection Specialist 575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias Environmental Protection Specialist 575-234-6230

Crisha Morgan Environmental Protection Specialist 575-234-5987

Jose Martinez-Colon Environmental Protection Specialist 575-234-5951

Mark Mattozzi Environmental Protection Specialist 575-234-5713

Robert Duenas Environmental Protection Specialist 575-234-2229

Trishia Bad Bear, Hobbs Field Station Natural Resource Specialist 575-393-3612

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 191473

## **COMMENTS**

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	191473
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

#### COMMENTS

Crea	ated By	Comment	Comment Date
joł	nn.harrison	Accepted for record - NMOCD JRH 3/24/23 BLM approved P&A 2/25/23	3/24/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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CONDITIONS

Action 191473

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Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	191473
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

#### CONDITIONS

C	reated By	Condition	Condition Date
j	ohn.harrison	None	3/24/2023