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

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-~~5633~~ 36330
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

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: Lou Wortham
8. Well Number: 8
1. Type of Well: Oil Well ☐ Gas Well ☒ Other Injection
2. Name of Operator: Chevron USA Inc.
9. OGRID Number: 4323
3. Address of Operator: 6301 DEAUVILLE BLVD., MIDLAND, TX 79706
10. Pool name or Wildcat: Eunice; San Andres, South

HOBBS OCD
DEC 11 2019
RECEIVED

4. Well Location
Unit Letter D : 330 feet from the N line and 990 feet from the West line
Section 11 Township 22S Range 37E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3,370' GL, 3,383' KB

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER:	☐			OTHER: TEMPORARILY ABANDON	☐		

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. **8-5/8" @ 1,164' TOC Surface, 5-1/2" @ 4,800' TOC 1,590' via CBL, Perforations: 4,616'-4,677', CIBP set at 4,575' (20' cmt cap), Perforations: 4,050'-4,252'.**

Chevron USA INC respectfully request to abandon this well as follows:

1. Call and notify NMOCD 24 hrs before operations begin.
2. MIRU Pulling Unit.
3. Check well pressures, kill well as necessary, perform bubble test on surface casing annuli, if bubble test fails Chevron intends to Zonite or cut and pull casing after the well after it is plugged to a certain point agreed upon by the NMOCD and Chevron.
4. Long stroke and pressure test tubing t/ 1,000 psi f/ 15 minutes.
   a. Discuss with engineer on testing tubing back in the well if pressure test fails.
5. L/D all rods and pump.
6. N/U BOP and pressure test as per SOP.
   a. 250 psi low for 5 minutes, and MASP or 1,500 psi for 5 minutes (whichever is higher).
7. TOH, standing back tubing, remove pump and TAC.
8. R/U wireline, pressure test lubricator, and set CIBP at 4,000'.
9. TIH and tag CIBP, spot 75 sx CL "C" cmt f/ 4,000' t/ 3,260' (San Andres, Grayburg, Queen).
   a. TOC must be at 3,300' or shallower.
10. Spot 30 sx CL "C" cmt f/ 2,620' t/ 2,324' (Yates, 7 Rivers).
    a. TOC must be at 2,365' or shallower.
11. Perforate casing at 1,214' and squeeze 300 sx of CL "C" cmt f/ Surface t/ 1,214' (Shoe, FW)
    a. Deepest freshwater zone in the area is ~100'.
12. Cut all casings & anchors & remove 3' below grade. Verify cement to surface & weld on dry hole marker (4" diameter, 4' tall). Clean location.

Note: All cement plugs class "C" (<7,500') or "H" (>7,500') with closed loop system used, and MLF spotted between plugs.

Condition of Approval: notify OCD Hobbs office 24 hours prior of running MIT Test & Chart

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE [signature] TITLE P&A Engineer, Attorney in fact DATE 12/10/19

Type or print name Howie Lucas E-mail address: howie.lucas@chevron.com PHONE: (832)-588-4044

For State Use Only

APPROVED BY: Kerry Fortner TITLE C O A DATE 12-18-19

Conditions of Approval (if any):

Current Wellbore Diagram

Lease------	L Worthm	Updated-----	12/04/19 By: H Lucas
Well #------	WORTHAM LOU #8	Surf. Loc.---	(X), (Y) D
Field--------	FLD-EUNICE SOUTH - SAN ANDRES	Bot. Loc.----	
County/TX----	LEA/NM	Lat & Long	32.4125300 / -103.1388500
API #------	3002536330	Unit Letter	
Chevno-----	HL5777	Section-TWNSP-Rng	SEC-11,TWN-22S,RNG-37E
Company------	Chevron		
Status------	Hole In Tubing, Shut in	Survey	30 FNL 990 FWL
Battery	Lou Wortham CTB 5	Ini. Spud----	8/12/2003
		Ini. Comp----	2003-09-17

KB------- 3383'
GR--------
GL------- 3370'

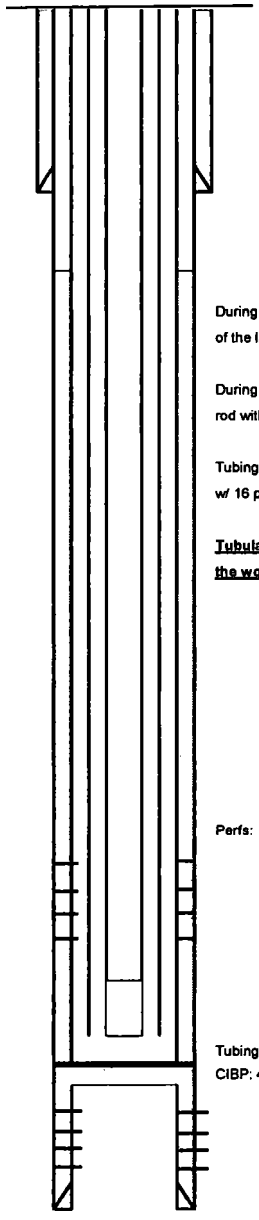
Surface Casing

Size-------	8 5/8"
Wt., Grd.----	24#
Depth------	1164'
Sxs Cmt----	595 sxs
Circulate----	Yes, 650 sxs
TOC-------	Surface
Hole Size---	12 1/4"

Production Casing

Size-------	5 1/2"
Wt., Grd.-----	15.5#
Depth------	4800
Sxs Cmt-----	950 sxs
Circulate-----	No
TOC-------	1590 via CBL ran on 9/3/2003
Hole Size---	7 7/8"

Formation Name	TD, ft Top
Rustler	1,089
Tansill	2,323
Yates	2,465
7 Rivers	2,570
Queen	3,400
Grayburg	3,612
San Andres	3,820



PBTD: 4555'
TD: 4800'

During the workover in 2008, the threads were pulled out of the landing joint, be cautious of corrosion.

During a 2010 well pull, the rods were parted on the 11th rod with a body break

Tubing was replaced in 2018, TAC set 15" of stretch w/ 16 pts

Tubular information found on the "tubulars" tab on the workbook

Perfs:

San Andres: 4050' - 4252'

Tubing Depth: 4375'
CIBP: 4575' w/ 20' of cement on top

Isolated Perfs: San Andres, 4615' - 4677'

Proposed Wellbore Diagram

Lease-----	L Worthm	Updated-----	12/04/19 By: H Lucas
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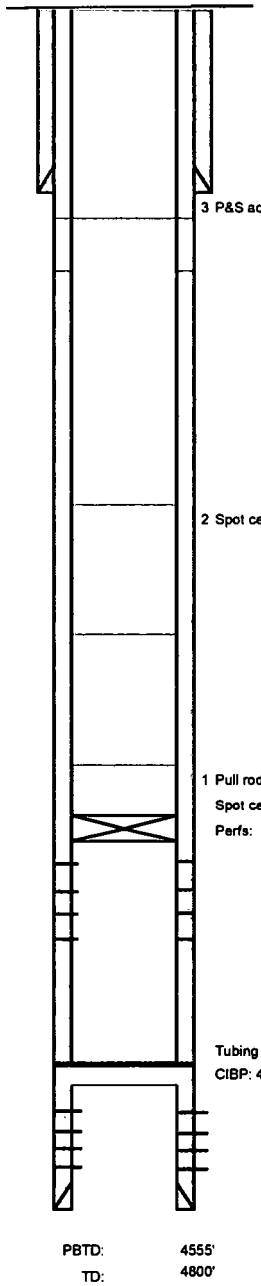

3 P&S across the shoe t/ surface

2 Spot cement across 7 Rivers and Yates

1 Pull rods and tubing, set CIBP at 4,000'
Spot cement t/ above the Queen
Perfs:

San Andres: 4050' - 4252'

Tubing Depth: 4375'
CIBP: 4575' w/ 20' of cement on top

Isolated Perfs: San Andres, 4615' - 4677'

PBTD: 4555'
TD: 4800'

CONDITIONS FOR PLUGGING AND ABANDONMENT

OCD - Southern District

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at (575)-399-3221 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. **Class 'C' cement will be used above 7500 feet.**
12. **Class 'H' cement will be used below 7500 feet.**
13. **A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
14. **All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.**

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, **(WOC 4 hrs and tag).**
19. No more than **3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
    A) Fusselman
    B) Devonian
    C) Morrow
    D) Wolfcamp
    E)Bone Springs
    F) Delaware
    G) Any salt sections
    H) Abo
    I) Glorieta
    J) Yates.
    K) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, **WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.**
21. **If cement does not exist behind casing strings at recommended formation depths, the** casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)------AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION