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.
30-025-23734

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.)

HOBBS OCD
MAR 13 2020
RECEIVED

7. Lease Name or Unit Agreement Name
North Vacuum Abo West Unit

1. Type of Well: Oil Well ☐ Gas Well ☒ Other Injection

8. Well Number: 4

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
Vacuum; Abo, N

4. Well Location
Unit Letter N : 660 feet from the South line and 2180 feet from the West line
Section 15 Township 17S Range 34E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
4,037' GL, 4,048' 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'' @ 1,704' TOC Surface, 5-1/2" @ 8,984' TOC 2,550' via temp survey. Perforations: 8,774'-8,899', CIBP at 8,680' w/ 50' of cmt.**

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

1. Call and notify NMOCD 24 hrs before operations begin.
2. Pressure test casing t/ 1,000 psi f/ 15 minutes rig-less.
3. MIRU CTU.
4. Check well pressures, kill well as necessary, perform bubble test on surface casing annuli, if bubble test fails Chevron intends to Zonite, cut and pull casing, or eliminate SCP with another means after the well is plugged to a certain point agreed upon by the NMOCD and Chevron.
5. N/U BOP and pressure test as per SOP.
   a. 250 psi low for 5 minutes, and MASP or 1,000 psi for 10 minutes (whichever is higher).
6. TIH and tag CIBP cement cap, spot 55 sx CL "H" cement f/ 8,630' t/ 8,074', WOC & tag (Abo).
   a. TOC must be at 8,112' or shallower.
7. Spot 55 sx CL "C" cement f/ 7,573 t/ 7,320' (Tubb).
   a. TOC must be at 7,473' or shallower.
8. Spot 25 sx CL "C" cement f/ 6,162' t/ 5,910' (Glorieta).
   a. TOC must be at 6,062' or shallower.
9. Spot 45 sx CL "C" cement f/ 4,701' t/ 4,246' (San Andres, Grayburg).
   a. TOC must be at 4,295' or shallower.
10. Spot 25 sx CL "C" cement f/ 3,972' t/ 3,720' (Queen).
    a. TOC must be at 3,872' or shallower.
11. Spot 55 sx CL "C" cement f/ 3,310' t/ 2,754' (7 Rivers, Yates).
    a. TOC must be at 2,812' or shallower.

See Attached Conditions of Approval

12. Perforate at 1,754' and circulate 36 sx CL "C" cement f/ 1,600' t/ 1,754'. Perforate at 1,595', circulate casing and annulus clean. Wait approximately one hour, then circulate 395 sx Cl "C cement f/ 1,595' t/ surface. This two-stage cement job prevents fall back/losses on the surface plug.
    a. Deepest freshwater zone in the area is ~163'.
13. 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.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE _____ TITLE P&A Engineer, Attorney in fact DATE 02/24/2020

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

For State Use Only

APPROVED BY: Kerry Futa TITLE C O A DATE 3-13-20
Conditions of Approval (if any):

North Vacuum Abo West Unit #4

Lease:	North Vacuum Abo West Unit	Well #:	4 Fd./St. #:
Pool:	Vacuum Abo, North	API	30-025-23735
Surf. Loc.:	660' FNL & 2180' FWL	Surface Tshp/Rng:	T17S & R34E
Wellbore #	428421	Unit Ltr.: N	Section: 15
County:	Lea St.: NM	Bottom hole Tshp/Rng:	
Status:	**TA'd Injector**	Unit Ltr.:	Section:

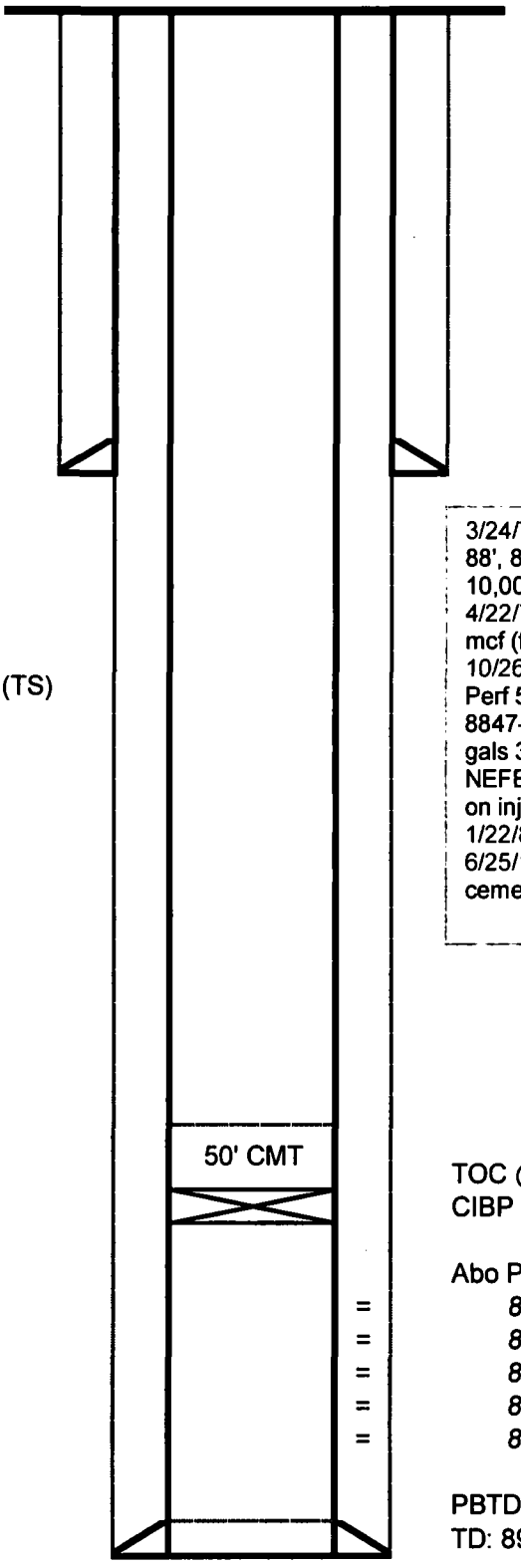
Surface Casing

Size:	8-5/8"
Wt., Grd.:	24# , K-55
Depth:	1704'
Sxs Cmt:	750sx
Circulate:	Yes
TOC:	Surf
Hole Size:	12-1/4"

Production Casing

Size:	5-1/2"
Wt., Grd.:	17#
Depth:	8984'
Sxs Cmt:	2,475
Circulate:	No
TOC:	2550' TS
Hole Size:	7 7/8

TOC @ 2550' (TS)



KB:	4048'
DF:	
GL:	4037'
Ini. Spud:	03/24/71
Ini. Comp.:	04/22/71

3/24/71 Spud well. Perf Abo Fm f/ 8774-88', 8790-94' & 8802-12'. Acid stim w/ 10,000 gals retarded acid.
4/22/71 24-hour OPT @ 260 bo, 0 bw, 80 mcf (flowing).
10/26/84 CWI. POOH w/ rods, pmp & tbg. Perf 5-1/2" csg w/ 2jspf f/ 8820-30' & 8847-99'. Acid stim 8774-8899' w/ 10,000 gals 30# gelled brine & 10,000 gals 20% NEFE acid. Ran inj equip. SI-Inj, waiting on inj line.
1/22/85 Chg status f/ SI-Inj to Inj.
6/25/12 TA with CIBP set @ 8680' w/ 50' cement cap (TOC @ 8630').

FORMATION TOPS	
Rustler	1628
Salt	1760
Tansil	2814
Yates	2912
Seven Rivers	3260
Queen	3922
Grayburg	4345
San Andres	4651
Glorieta	6112
Tubb	7523
Drinkard	7662
Abo	8212

TOC @ 8630'
CIBP @ 8680'

Abo Perfs: w/2 SPF
8774' - 88' 3/1971
8790' - 94' 3/1971
8802' - 12' 3/1971
8820' - 30' 10/1984
8847' - 99' 10/1984

PBTD: 8948'
TD: 8984'

North Vacuum Abo West Unit #4

Lease:	North Vacuum Abo West Unit	Well #:	4 Fd./St. #:
Pool:	Vacuum Abo, North	API	30-025-23735
Surf. Loc.:	660' FNL & 2180' FWL	Surface Tshp/Rng:	T17S & R34E
Wellbore #	428421	Unit Ltr.: N	Section: 15
County:	Lea St.: NM	Bottom hole Tshp/Rng:	
Status:	**TA'd Injector**	Unit Ltr.:	Section:

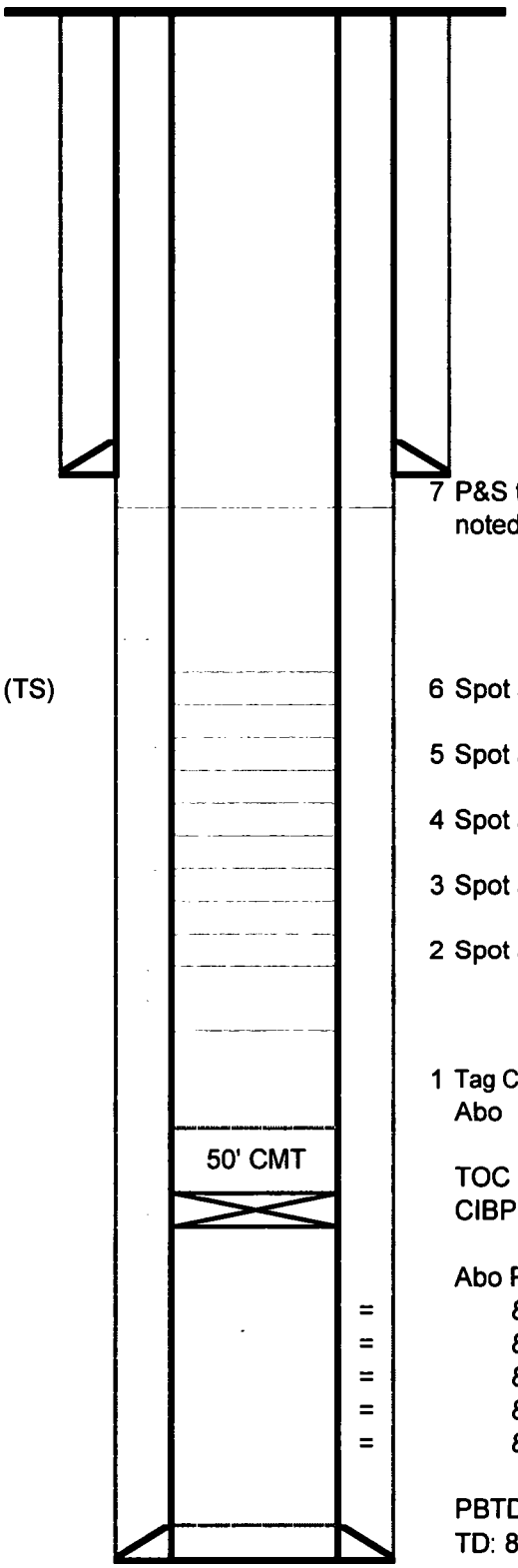
Surface Casing

Size:	8-5/8"
Wt., Grd.:	24#, K-55
Depth:	1704'
Sxs Cmt:	750sx
Circulate:	Yes
TOC:	Surf
Hole Size:	12-1/4"

Production Casing

Size:	5-1/2"
Wt., Grd.:	17#
Depth:	8984'
Sxs Cmt:	2,475
Circulate:	No
TOC:	2550' TS
Hole Size:	7 7/8

KB:	4048'
DF:	
GL:	4037'
Ini. Spud:	03/24/71
Ini. Comp.:	04/22/71



7 P&S to surface in two stages as noted on the permit

TOC @ 2550' (TS)

6 Spot across 7 Rivers and Yates

5 Spot across Queen

4 Spot across San Andres, Grayburg

3 Spot across Glorieta

2 Spot across the Tubb

1 Tag CIBP and spot cement above Abo

TOC @ 8630'
CIBP @ 8680'

Abo Perfs: w/2 SPF

= *8774' - 88' 3/1971*
= *8790' - 94' 3/1971*
= *8802' - 12' 3/1971*
= *8820' - 30' 10/1984*
= *8847' - 99' 10/1984*

PBTD: 8948'
TD: 8984'

FORMATION TOPS	
Rustler	1628
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CONDITIONS OF APPROVAL
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)-263-6633** 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, woe 4 hours and tag, this plug will be SO' 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, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQ.UIRMENTS

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 least¼" 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