

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-22374
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Chevron USA INC		6. State Oil & Gas Lease No.
3. Address of Operator 6301 DEAUVILLE BLVD., MIDLAND, TX 79706		7. Lease Name or Unit Agreement Name Mobil 21 State
4. Well Location Unit Letter <u>C</u> : <u>660</u> feet from the <u>North</u> line and <u>1,980</u> feet from the <u>West</u> line Section <u>21</u> Township <u>23S</u> Range <u>27E</u> NMPM County <u>Eddy</u>		8. Well Number: 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,149' GL, 3,164' DF		9. OGRID Number 4323
		10. Pool name or Wildcat South Carlsbad Atoka

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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. 13-3/8" @ 375' TOC Surface, 9-5/8" @ 5,624' TOC Surface, 5-1/2" @ 12,300' TOC @ 5,610' (TS), Perfs 11,202'-11,210' & 11,430'-11,440', CIBP @ 11,800', Perfs 11,867'-11,885', CIBP @ 11,910', Perfs 11,920'-11,923', CIBP @ 12,000', Perfs 12,087'-12,097'.

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

1. Call and notify NMOCD 24 hrs before operations begin.
2. MIRU, NDWH, NU BOPE, POOH w/ tbg.
3. Set blanking plug in packer @ 11,122', circ MLF, spot 80 sx CL "H" cement plug f/ 11,122' t/ 10,500' (Atoka, Strawn, Perfs), WOC & tag, attempt to test csg (known holes between 3,596'-3,662').
4. Spot 25 sx CL "H" cmt f/ 8,876' t/ 8,675' (Wolfcamp).
5. Spot 25 sx CL "H" cmt f/ 7,875' t/ 7,675', WOC & tag (DV Tool).
- 5650' 6. Perf @ 5,675' and sqz 125 sx CL "C" cmt f/ 5,320' t/ 5,675', WOC & tag (Bone Spring, Shoe).
7. spot 70 sx CL "C" cmt f/ 3,662' t/ 2,954', down-squeeze cmt t/ 3,462', WOC & tag (Casing Leak).
8. Perf @ 1,850' and sqz 50 sx CL "C" cement f/ 1,700' t/ 1,850', WOC & tag (Salt).
9. Perf @ 425' and sqz 150 sx CL "C" cement f/ Surface t/ 425' (Shoe, Surface).
10. Cut all casings & anchors & remove 3' below grade. Verify cement to surface & weld on dry hole marker. Clean location.

Note: All cement plugs class "C" or "H" with closed loop system used.

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

SIGNATURE [Signature] TITLE Well Abandonment Engineer, Attorney-in-Fact DATE 11/28/17

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

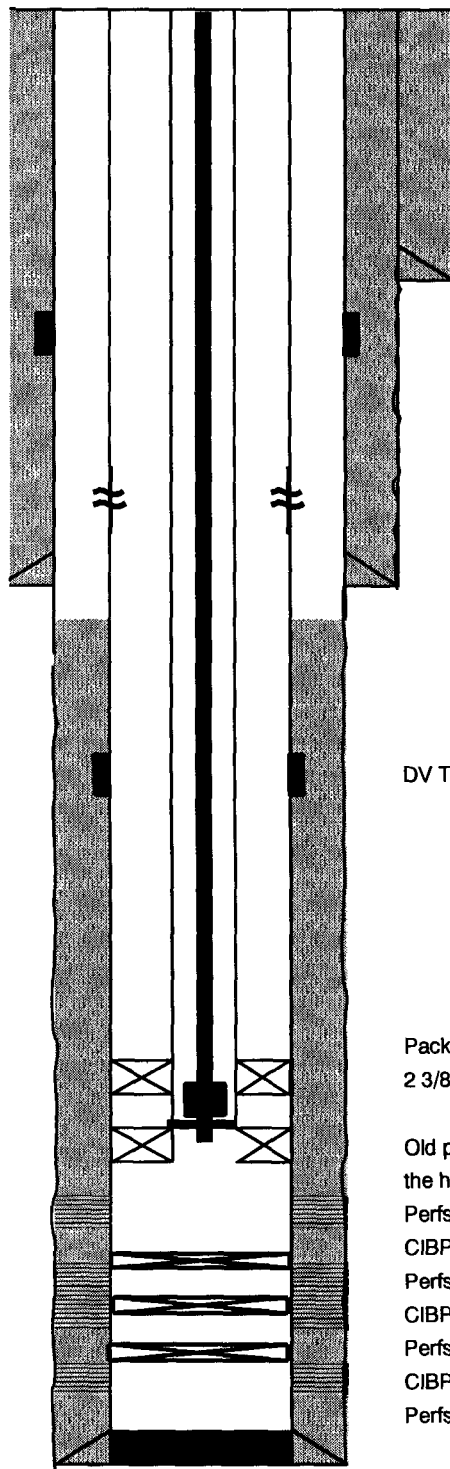
For State Use Only

APPROVED BY: [Signature] TITLE STA Mgr DATE 11-30-17

Conditions of Approval (if any):

* See Attached COA's Must be Plugged Before 11-30-18

Unit Ltr.: _____ Section: 31
 TSHP/Rng: _____
 Directions: _____
 CHEVNO: EP9380
 OGRID: 4323



Csg Lk: 3596'-3662'

DV Tool @ 7821' - 7824'

Packer w/ On-off tool @ 11,121'
 2 3/8" Pump out plug @ 11,122'

Old packer left in
 the hole
 Perfs 11,202-11,210; 11,430'-11,440'
 CIBP @ 11,800'
 Perfs: 11,867 - 11,885'
 CIBP @ 11,910'
 Perfs: 11,920-11,923
 CIBP @ 12,000'
 Perfs 12,087-12,097

PBTD: 11,800'
 TD: 12,300'

KB: 15'
 DF: 3164'
 GL: 3149'
 Ini. Spud: 12/17/77
 Ini. Comp.: 04/15/78

General Notes

Date	Comment
9/8/1982	PERF 12087-12097. ACDZ w/ 4000 gal MOD-
4/24/1991	CIBP @ 12000'. PERF Morrow @ 11920-23. ACDZ w/ 500 gal 15% SRA.
2/21/1994	CIBP @ 11910'.
2/22/1994	PERF 11867-11885. ACDZ w/ 2000 gal 7 1/2% HCl.
2/26/1994	CIBP @ 11800'. PERF @ 11430-40 w/ 4 jspf. holes. ACDZ 11430-40 w/ 10000 scf, 2000 gal 15% Mod-202, 1000 scf bbl N2.
7/5/2007	RE-PERF 11430-11440'. PERF @ 11202-112' No record of tbg being pulled to perf. CHK has pulled tbg to verify.

Tubing Strings

Tubing set at 11,122.5ftKB on 10/30/2014 07:00

Tubing Description		Run Date		String Length (ft)		SN
Tubing		10/30/2014		11,107.51		1
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	
TBG N-80 6.5#	341	2 3/8	6.50	N-80	11,094.	
SN	1	2 3/8			1.	
5 1/2 X 2 3/8 T-2 ON/OFF TOOL W/1.78 F PN	1	2 3/8			1.	
5 1/2" X 2 3/8" ASI X PKR	1	5 1/2			8.	
2 3/8" X 1.50 SS PROFILE NIPPLE	1	2 3/8			0.	
2 3/8" PUMP OUT PLUG	1	2 3/8			0.	

Formation Information

St Code	Formation
Psal	Salado
Pbslt	Base of Salt
Pdel	Delaware
Pbs	Bone Spring
Pbs3sd	3rd Bone Spring Sand
Pwc	Wolfcamp
Ppund	Pennsylvanian
PPst	Strawn

Proposed WBD - Mobil 21 State No. 1

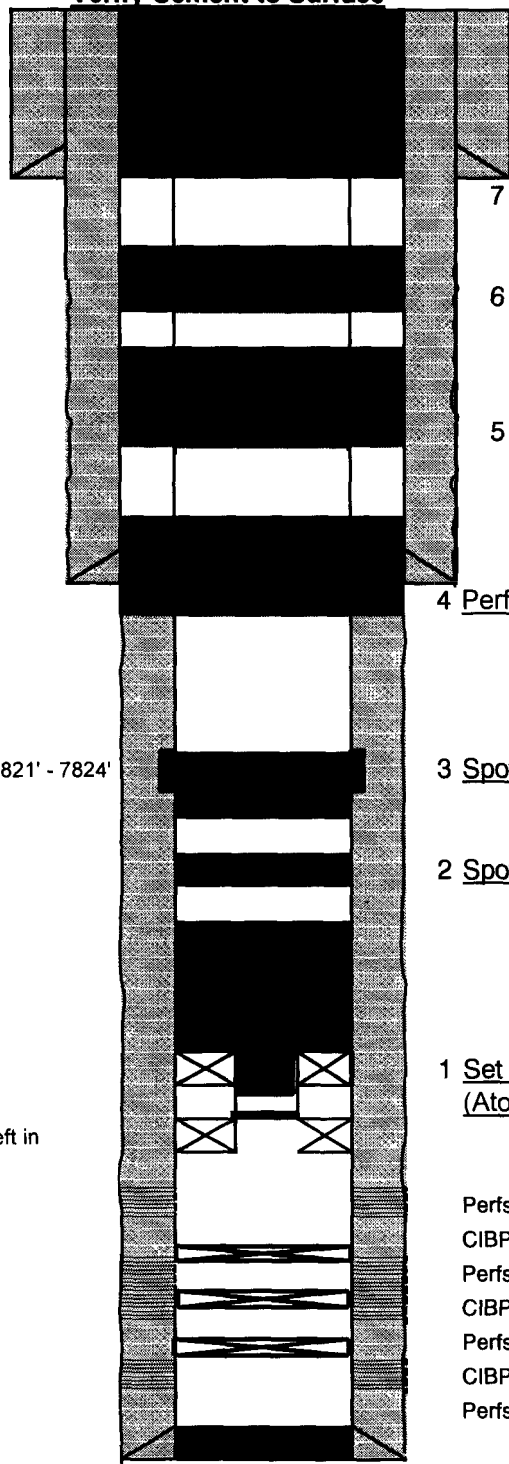
By: PTB
 By:
 Oil 21 State
 Arlsbad (Atoka)
 & 1980' FWL
 St.: NM
 as Well

Well #: 1 St. Lse:
 API 30-015-22374
 Unit Ltr.: C Section: 21
 TSHP/Rng: T23S / R27E
 Unit Ltr.: Section: 31
 TSHP/Rng:
 Directions:
 CHEVNO: EP9380
 OGRID: 4323

Formation Information

St Code	Formation	Depth
Psal	Salado	450
Pbslt	Base of Salt	1798
Pdel	Delaware	2017
Pbs	Bone Spring	5470
Pbs3sd	3rd Bone Spring Sand	8572
Pwc	Wolfcamp	8819
Ppund	Pennsylvanian	10388
PPst	Strawn	10550
Ppat	Atoka	10876
Ppmorl	Morrow Limestone	11460
Ppmorc	Morrow Clastics	11705

Verify Cement to Surface



KB: 15'
 DF: 3164'
 GL: 3149'
 Ini. Spud: 12/17/77
 Ini. Comp.: 04/15/78

7 Perf @ 425' & sqz 150 sx CL "C" cmt f/ Surface t/ 425' (Shoe, Surf)

6 Perf @ 1,850' & sqz 50 sx CL "C" cmt f/ 1,700' t/ 1,850' (Salt)

5 Spot 70 sx CL "C" cmt f/ 3,662' t/ 2,954', down squeeze cement t/ 3,462, WOC & Csg Lk: 3596'-3662'

4 Perf @ 5,675' & sqz 115 sx CL "C" cmt f/ 5,320' t/ 5,675', WOC & tag (Bone Spring, S

Tool @ 7821' - 7824'

3 Spot 25 sx CL "H" cmt f/ 7,875' t/ 7,675', WOC & tag (DV Tool)

2 Spot 25 sx CL "H" cmt f/ 8,876' t/ 8,675' (Wolfcamp)

packer left in
 hole

1 Set blanking plug in packer, circ MLF, spot 80 sx CL "H" cmt f/ 11,121' t/ 10,500' (Atoka, Strawn, Perfs), WOC & tag, test (casing leaks between 3,596'-3,662' so may

Perfs 11,202-11,210; 11,430'-11,440'

CIBP @ 11,800'

Perfs: 11,867 - 11,885'

CIBP @ 11,910'

Perfs: 11,920-11,923

CIBP @ 12,000'

Perfs 12,087-12,097

PBTD: 11,800'

TD: 12,300'

CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

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 II at (575)-748-1283 at least 24 hours before beginning work.**

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.
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 the well is not plugged within 1
7. 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.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. **Produced water will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. 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.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **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**
15. **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 REQUIREMENTS

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)