

Submit a 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 87505

WELL API NO. 30-025-31294	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Lovington Paddock Unit	
8. Well Number	121
9. OGRID Number 241333	
10. Pool name or Wildcat Lovington Paddock	
4. Well Location Unit Letter <u>C</u> : <u>1100</u> feet from the <u>North</u> line and <u>2500</u> feet from the <u>West</u> line Section <u>6</u> Township <u>17S</u> Range <u>36E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3808 GR	

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.

Please see attached procedure for well abandonment details.

4" diameter 4' tall Above Ground Marker

SEE ATTACHED CONDITIONS
OF APPROVAL

Spud Date:

9/23/1991

Rig Release Date:

10/25/1991

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

SIGNATURE Mark Torres TITLE P&A Engineer DATE 8/19/2022

Type or print name _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 9/23/22

Conditions of Approval (if any):

**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, 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)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

LPU 121
Short 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. Contact NMOCD at least 24 hours prior to performing any work.
2. MIRU pulling unit.
 - a. Intrinsically safe fans and H₂S scavenger required due to known H₂S in the field.
3. Verify pressures and kill well as per SOP/Guidance Document.
 - a. Bubble test intermediate and surface casings for 30 minutes each and share results in WellView under daily pressure.
4. Attempt to pressure test tubing to at least 1,000 psi for 15 minutes or the highest pressure expected while plugging the well.
 - a. If test passes, utilize tubing for work string.
 - b. If test fails, pick up a work string provided by Chevron.
5. Install hydraulic rod BOP and function test.
6. Pull and lay down rods.
 - a. If paraffin is encountered or rods are stuck contact engineer.
7. N/U BOPE using rubber coated hangers provided by Chevron, and pressure test, 250 psi low and 1,000 psi or MASP (per Chevron operating guidelines) for 5 minutes each.
 - a. On a chart, no bleed off allotted.
 - b. Contact engineer if unable to unset TAC, do not shear TAC without the BOP N/U first to mitigate any risks of well control events.
8. If tubing pressure tested, stand back pipe. If it failed, lay down and prepare to run a work string.
9. MIRU wireline and lubricator.
10. Pressure test lubricator to 500 psi or MASP (whichever is larger) for 10 minutes.
 - a. If MASP is greater than 1,000 psi, contact the engineer to discuss running grease injection.
11. Run and set CIBP at +/- 5,988' or as per approved C-103.
 - a. Skip gauge run if TAC pulled freely past setting depth.
12. Fill well and pressure test casing to 500 psi for 15 minutes if no P&S required or 1,000 psi for 15 minutes if P&S required.
 - a. 5% bleed off allotted.
 - b. Contact the engineer if pressure test fails, document test results.
13. While RDMO WL, perform 30-minute bubble test on surface and production casings. Record results to meet the barrier standard intent. Adjust forward plan as necessary to address SCP.
14. TIH and tag CIBP.
15. Spot 25 sx CL "C" Cement f/ 5,988' t/ 5,743' (Perfs).

16. WOC 4 hours.
17. Tag TOC and pressure test casing to 1,500 psi for 15 minutes.
 - a. Plug must be at or above 5,888' (100' above CIBP).
 - b. **Do not exceed burst pressure of casing.**
18. Spot MLF to appropriate depth to ensure it is spaced out between plugs.
 - a. Do not pump MLF past the first perforation because it will be pumped away during the P&S procedure. Also, if the casing failed a pressure test, do not spot MLF until it tests properly.
 - b. **Continue to place MLF between cement while plugging out of the hole.**
19. Spot 38 sx Class "C" Cement f/ 4,606' t/ 4,238' (San Andres, Grayburg).
20. Spot 25 sx Class "C" Cement f/ 3,900' t/ 3,660' (Queen).
21. Spot 31 sx Class "C" Cement f/ 2,111' t/ 1,808' (Salt, Rustler, Surface csg shoe).
22. Conduct 30 minute bubble test in all annuli. If bubble test fails discuss contingency CBL run and subsequent perforation/squeeze or casing cut/pull. Confirm forward plan with NMOCD.
 - a. Do not plug well to surface until all annuli are passing bubble tests.
23. Spot 26 sx CL "C" Cement f/ 250' to surface (surface shoe, base of fresh water).
24. Cut all casings & anchors & remove 3' below grade. Verify cement to surface & weld on dry hole marker (4" diameter, 4' tall). Clean location.

Current Wellbore Diagram

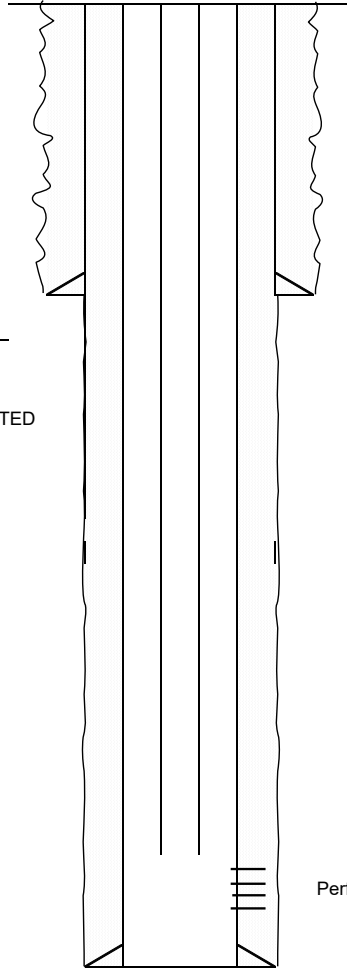
Created: 04/23/19	By: _____	Well #: 121	St. Lse: _____
Updated: _____	By: _____	API: 30-025-31294	_____
Lease: Lovington Paddock Unit	_____	Unit Ltr.: C	Section: 6
Field: Lovington	_____	TSHR/Rng: 17S-37E	_____
Surf. Loc.: 1100 FNL & 2500 FWL	_____	Unit Ltr.: _____	Section: _____
Bot. Loc.: _____	_____	TSHR/Rng: _____	_____
County: Lea	St.: NM	Directions: Lovington, NM	_____
Status: _____	_____	Chevno: OQ3268	_____

Surface Casing

Size: 8-5/8"
 Wt., Grd.: 24#
 Depth: 1908'
 Sxs Cmt: 700
 Circulate: Yes
 TOC: Surface
 Hole Size: 12-1/4"

Production Casing

Size: 5-1/2"
 Wt., Grd.: 15.5#
 Depth: 6450'
 Sxs Cmt: 1300
 Circulate: Unknown
 TOC: Surface CALCULATED
 Hole Size: 7-7/8"



KB: 3,824

DF: _____

GL: 3,808

Ini. Spud: 09/23/91

Ini. Comp.: 10/25/91

Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift	193	5971.97	16.00	5987.97
Tubing Anchor/Catcher	Tubing Anchor/Catcher 2.875	1	2.75	5971.97	5974.72
Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift	11	341.76	5974.72	6316.48
Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift - Internal Plastic Ctg-TK-99	1	31.60	6316.48	6348.08
Seat Nipple / Shoe	Seat Nipple/Shoe - (2.875) Unknown Type	1	1.10	6348.08	6349.18
Bull Plug (Tubing)	Open End Mud Anchor 2.875	1	6.00	6349.18	6355.18
Polished Rod	1.250 (1 1/4 in.) C x 22	1	22.00	16.00	38.00
Polished Rod Liner	1 1/2 x 1 1/4 x 14 Polished Rod Liner	1	14.00	22.00	36.00
Rod	0.750 (3/4 in.) (Unknown) x 25 Rod	168	4200.00	38.00	4238.00
Rod	0.875 (7/8 in.) (Unknown) x 25 Rod	84	2100.00	4238.00	6338.00
Gas Anchor (Rod)	Gas Anchor (Rod) 1.250 OD x 12	1	12.00	6338.00	6350.00
Rod Pump (Insert)	Rod Pump (Insert) (NON-SERIALIZED) - 25-12S-RHBC-16-4 (Bore = 1.25)	1	16.00	6350.00	6366.00

Perfs: 6088' - 6328'

PBTD(est.): 6,403
 TD: 6,450

Proposed Wellbore Diagram

Created: 04/23/19 By: _____
 Updated: _____ By: _____
 Lease: Lovington Paddock Unit
 Field: Lovington
 Surf. Loc.: 1100 FNL & 2500 FWL
 Bot. Loc.: _____
 County: Lea St.: NM
 Status: _____

Well #: 121 St. Lse: _____
 API: 30-025-31294
 Unit Ltr.: C Section: 6
 TSHP/Rng: 17S-37E
 Unit Ltr.: _____ Section: _____
 TSHP/Rng: _____
 Directions: Lovington, NM
 Chevno: OQ3268

Surface Casing

Size: 8-5/8"
 Wt., Grd.: 24#
 Depth: 1908'
 Sxs Cmt: 700
 Circulate: Yes
 TOC: Surface
 Hole Size: 12-1/4"

Surface Plug
 5 Spot 26 scks Class C: 250'

KB: 3,824
 DF: _____
 GL: 3,808
 Ini. Spud: 09/23/91
 Ini. Comp.: 10/25/91

Production Casing

Size: 5-1/2"
 Wt., Grd.: 15.5#
 Depth: 6450'
 Sxs Cmt: 1300
 Circulate: Unknown
 TOC: Surface CALCULATED
 Hole Size: 7-7/8"

Isolate Salt, Rustler, Surface Sho
 4 Spot 31 scks Class C: 2,111' - 1,8

Isolate Queen
 3 Spot 25 scks Class C: 3,900' - 3,6

Isolate San Andres, Grayburg
 2 Spot 38 scks Class C: 4,606' - 4,2

Isolate Perfs
 1 Set CIBP at 5,988'
 Spot 25 scks Class C: 5,988' - 5,7
 Min: 5,888' (WOC & tag)

Perfs: 6088' - 6328'

Formation	Top Depth (MD)
Rustler	1,996
Salt	2,111
Tansil	n/a
Seven Rivers	3,293
Queen	3,900
Grayburg	4,338
San Andres	4,606
Glorieta	6,021
Paddock	6,124

PBTD(est.): 6,403
 TD: 6,450

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811 S. First St., Artesia, NM 88210
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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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 135799

COMMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 135799
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	9/23/2022

District I
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CONDITIONS

Action 135799

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Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
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CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached COA	9/23/2022