

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

NM OIL CONSERVATION
State of New Mexico
ARTESIA DISTRICT
Energy, Minerals and Natural Resources
AUG 25 2017
OIL CONSERVATION DIVISION
RECEIVED
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-20246	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name COLLATT ESTATE COM	
8. Well Number 001	
9. OGRID Number 269324	
10. Pool name or Wildcat CARLSBAD;ATOKA,SOUTH (GAS)	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3224	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

Linn Operating, LLC is respectfully submitting a request to plug and abandon the Collatt Estate Com #001 located in Eddy County, NM. Linn received a Letter of Violation as a result of the well being shut-in for an extended period of time and in violation of Rule 19.15.25.8. Corrective action needs to be completed by 9/10/2017.

Please see the attached Procedure with the current and proposed wellbore diagrams for review and approval.

Spud Date:

Rig Release Date:

Approved for plugging of well bore only.
Liability under bond is retained pending receipt
of C-103 (Subsequent Report of Well Plugging)
which may be found at OCD Web Page under
Forms: www.cmnrd.state.nm.us/oed.

WELL MUST BE PLUGGED BY 8/28/2018

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

SIGNATURE [Signature] TITLE Regulatory Manager DATE 08/23/2017

Type or print name Debi Gordon E-mail address: dgordon@linenergy.com PHONE: 281.840.4010

For State Use Only

APPROVED BY: [Signature] TITLE COMPLIANCE OFFICER DATE 8/28/2017
Conditions of Approval (if any):

SEE ATTACHED COA-5



COLLATT ESTATE COM, WELL NO. 1
J-01-T23S-r26E
Eddy County, New Mexico

8/21/17

PROPOSED PLUG AND ABANDONMENT PROCEDURE

1. Notify division 24 hrs prior to commencing plugging operations
2. MIRU P&A rig, Hold PJSM, bleed off well
3. NU 5K BOP, test to 5,000 psi high & 250 psi low
4. MIRU e-line, test lubricator to 5,000 psi
5. RIH w/ gauge ring & CCL to +/- 10,403', POOH
6. RIH w/ 5" CIBP & set @ +/- 10,403', POOH
7. Pressure test csg to 500 psi for 5 min
8. RIH w/ dump bailer & dump ^{20'} cmt on top of CIBP, POOH - *woc & TAG*
9. RDMO e-line ^{35'}
10. Cut & pull +/- 1300' of 8-5/8" 36# csg *PERF @ 9693' - SQ - woc & TAG*
11. PU & RIH w/ workstring to 9,581'
12. RU cementers, spot a 200' balanced plug f/ 9,381'-9,581' (TOL @ 9,481')
13. WO cmt, tag TOC *ADD PLUGS @ 8764' TO 8664' - COVERS W/C*
14. POOH to 1500' *1250' - 1350'* *@ 5319' TO 5219' - COVERS BIS*
15. Spot 150' balanced plug f/ ~~1,300' - 1,400'~~ *1,250' - 1,350'* - *woc & TAG*
16. WO cmt, tag TOC, POOH to 400' - *PERF & SQ - woc & TAG*
17. Spot 150' balanced plug f/ 300'-400'
18. POOH, spot 10' cmt plug f/ 0'-10'
19. Cut and cap well per 19.15.25.10 NMAC
20. RDMO P&A rig

Tubing Detail (7/31/82)

10' + 8' pup jts
80 jts 2-7/8" 6.5# N-80 ABC Mod. Tbg
243 jts 2-3/8" 4.7# A-95 Hydril Tbg
Locator Sub
7' Baker seal nipple

Permanent Packer (7/30/82)

5" Baker Model D Pkr @ 10,620' WLM
6' millout extension
10' x 2-3/8" pup jt
1.78" ID "R" nipple
Muleshoe

Collatt Est Com 1

Owen Mesa Field
Eddy County, NM

API: 30-015-20246

KB: 3245'

DF: 3243'

GL: 3225'

Proposed: 10'
surface plug f/ 0'-10'

Proposed: 100' balanced
plug f/ 300'-400'
TOC @ 1400' (TS)

Proposed: 150' balanced
plug f/ 1,300'-1,450'

Proposed: Cut & pull
1300' of 8-5/8" csg

PROPOSED

16" 75#/65# H-40 csg @ 350'
500 sx Class H w/ 2% CaCl
Circ to surf

11-3/4" 60# N-80 & S-95 csg @ 1950'
Lead: 1075 sx Trinity lite-water
Tail: 150 sx Class H, circ to surf

WOC & TAG
PERF & SQ - 2000'
WOC & TAG

ADD A PLUG @ 5319' →
TO 5219' - COVERS B/S

ADD A PLUG @ 8764' →
TO 8664' - COVERS W/C

WOC & TAG
Proposed: 200' balanced
plug f/ 9,381'-9,581' TOL @ 9481'

PERF & SQ @ 9693'
WOC & TAG

WOC & TAG → Proposed: CIBP @
10,403' w/ 20' cmt
35'

6/15/06: Tight spot in csg @ 10,495'-
597'. Calipered. Avg ID: 3.96",
Smallest ID: 3.82". Swedge out tight
spot f/ 10,468'-80' w/ 4-1/3" swedge

Fish left in hole (7/28/06)

3' x 2-3/8" pup jt
1.78" ID "R" nipple
Muleshoe

7/29/82: Howco CIBP @ 11,415'
w/ 5 sx cmt. TOC @ 11,373'

5" 15# N-80 LT&C Liner @ 11,950'
730 sx Class H, TOL @ 9481'

TD @ 11,950'
PBTB @ 11,900'

8-5/8" 36# N-80 & S-95 csg @ 9643'
Lead: 40 sx Class H & 1300 sx lite-water
Tail: 500 sx Class H
TOC @ 1400' (TS)

Strawn Perfs 10,453'-93' (12/3/69)

12/10/69: Acidized w/ 1500 gals Dowell BDA
mud dispersing acid

7/22/82: Sqzd w/ 84 bbl Class H cmt slurry

Atoka Perfs 10,796'-11,066' (8/6/82)

1-9/16" sidewinder gun, 4 SPF

7/30/82: Prep wellbore w/ 1000 gals double
inhibitor 15% HCL w/ 500 gals Xylene

8/12/82: Acidized w/ 6500 gals 15% clean-up
acid w/ 20 balls

7/2/06: Sqzd w/ 150 sx cmt, held

Morrow Perfs 11,470'-11,740' (4/5/82)

Perfd w/ 1-9/16" thru tbg gun, 2 jspf, 0 deg

4/7/82: Acidized w/ 6000 gals Morrow flow B.C.
& 2 gpt FR-24 Friction reducer w/ 750 scf/bbl
N2. 15 balls, flush w/ filtered 5% KCL w/ 2 gpt
claystab

Collatt Est Com 1

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Eddy County, NM
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CURRENT

TOC @ 1400' (TS)

TOL @ 9481'

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claystab

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