

Submittal 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. 30-015-33441
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Colorado Brown Hackle 16 State
8. Well Number 1
9. OGRID Number 240974
10. Pool name or Wildcat CASS RANCH; UPPER PENN

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.)

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

2. Name of Operator

LEGACY RESERVES OPERATING LP

3. Address of Operator

PO BOX 10848, MIDLAND, TX 79702

4. Well Location

Unit Letter N : 747 feet from the SOUTH line and 1354 feet from the WEST line
Section 16 Township 20S Range 23E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

4193 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.

PROPOSED P&A PROCEDURE ATTACHED ALONG WITH CURRENT AND PROPOSED WELLBORE DIAGRAMS.

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.cmnr.state.nm.us/oed.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 24 2016

RECEIVED

Spud Date:

Rig Release Date:

WELL MUST BE PLUGGED BY 6/24/2017

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

SIGNATURE

TITLE OPERATIONS ENGINEER

DATE 06/22/2016

Type or print name JOHN SAENZ

E-mail address: jsaenz@legacylp.com

PHONE: 432-689-5200

For State Use Only

APPROVED BY:

TITLE COMPLIANCE OFFICER

DATE 6/24/2016

Conditions of Approval (if any):

SEE ATTACHED COA-S

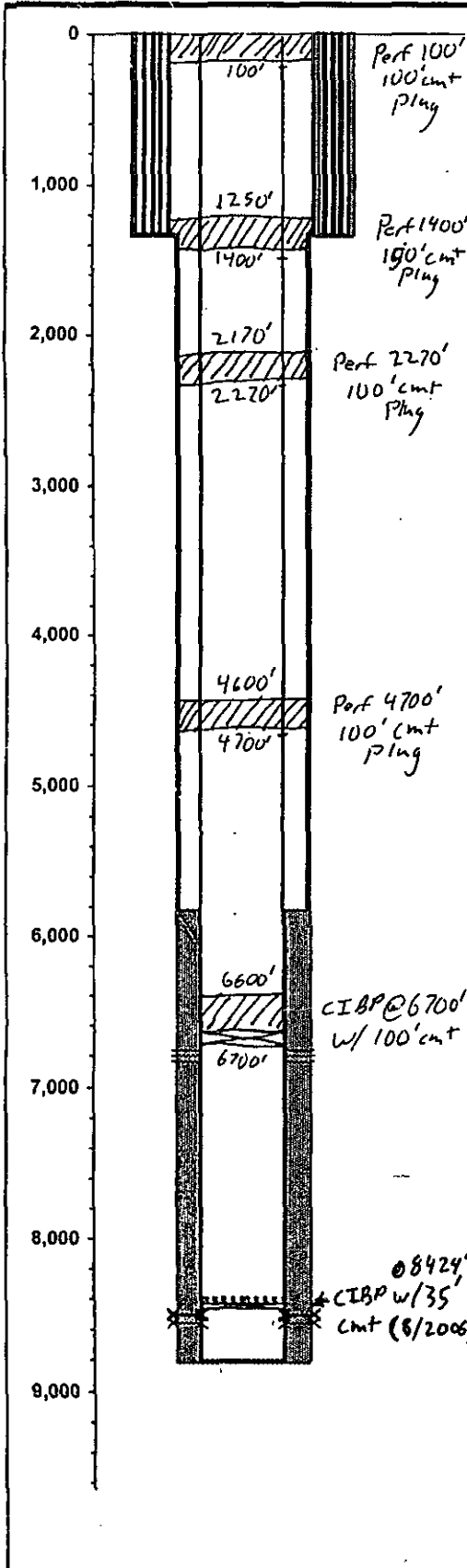
Wellbore Schematic (From Surface to TD)

Printed: 3/15/2012

COLORADO BROWN HACKLE 16 STATE # 1

BOLO ID: 300155.01

API # 3001533441



747 FSL & 1354 FWL	GL Elev.	4,193.00
Sec, Blk, Sur (Lbr, Lge, Sur) or (Sec, Twn, Rng): 16, 20S, 23E	Fill Depth:	
County, State: EDDY, NM	PBTD:	8,389.00
Aux ID: 124820	TD:	8,800.00
KB = 18; DF = ; All Depths Corr To: KB	BOP:	

Hole Size

Diameter	Top At	Btm At	Date Drilled
14.7500	0.00	1,331.00	7/18/2004
8.7500	1,331.00	8,799.00	8/18/2004

Surface Casing

Date Ran: 7/21/2004

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		9.6250	26.00	J55	1,313.00	18.00	1,331.00

Production Casing String 1

Date Ran: 8/18/2004

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		5.5000	17.00	N80	8,781.00	18.00	8,799.00

Cement

# Sx	Class	Weight	I D	O D	Top At	Btm At	TOC Per
1300			9.625	14.750	620.00	1,331.00	TS
550			9.625	14.750	0.00	620.00	Circ

Circulated through 1"

#	Weight	I D	O D	Top At	Btm At	TOC Per
800		5.500	8.750	5,820.00	8,799.00	CBL
		0.000	5.500	8,389.00	8,424.00	

Zone and Perfs

Pennsylvanian Upper

Comments / Completion Summary

COG

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
6,764.00	6,794.00	CANYON	A	8/18/2006		1	30
6,800.00	6,830.00	CANYON	A	8/18/2006		1	30
8,496.00	8,504.00	Morrow	PA	9/13/2004	8/17/2006	2	17
8,545.00	8,550.00	Morrow	PA	9/13/2004	8/17/2006	2	11

Wellbore Plugs and Junk

Top	Bottom	Type	Diameter	Solid	Date
8,424.00	8,454.00	CIBP	5.500	Yes	8/17/2006

Tubing String 1

Date Ran: 10/8/2008

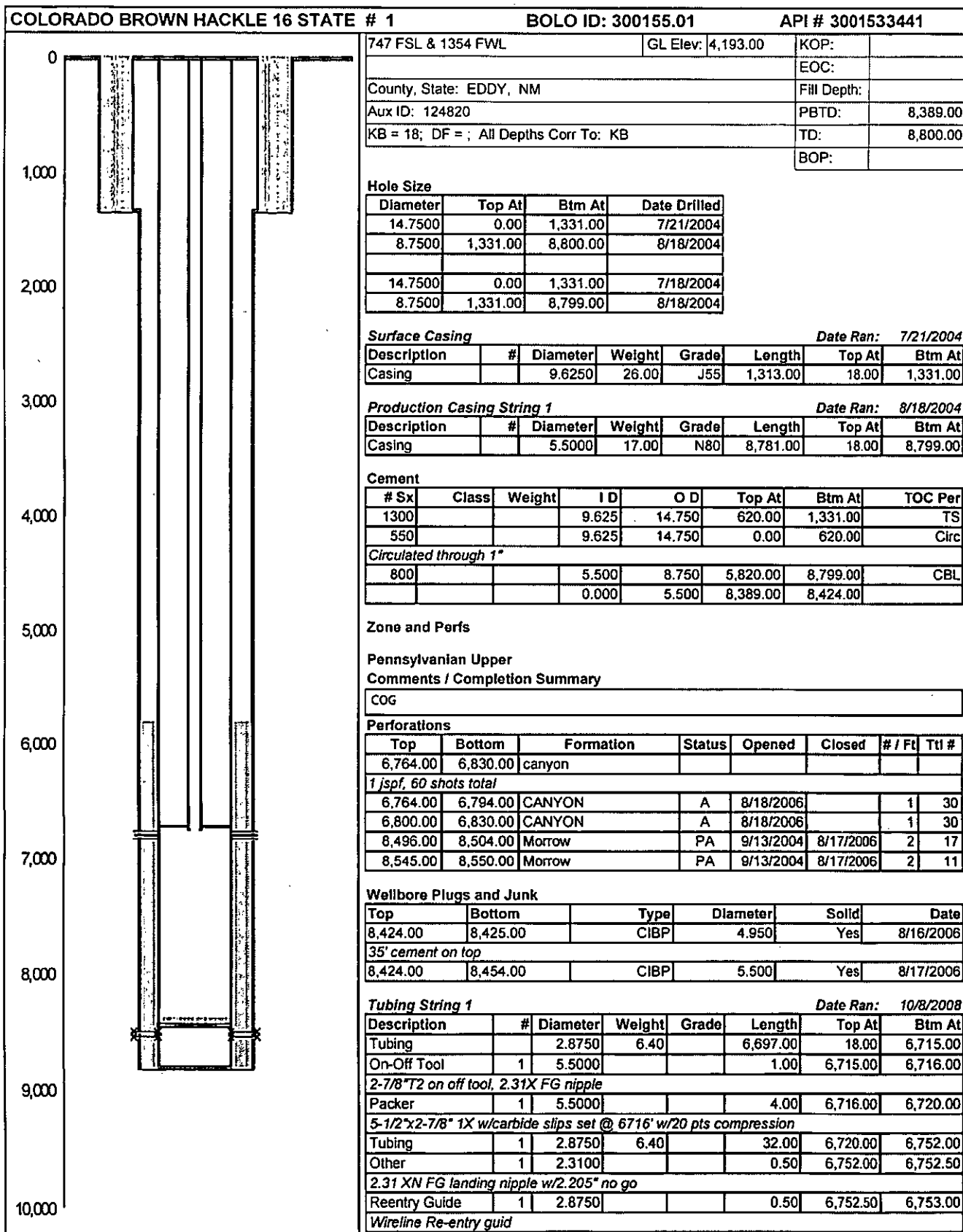
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tbg Sect 1		2.8750	6.40		6,697.00	18.00	6,715.00
On Off Tool	1	5.5000			1.00	6,715.00	6,716.00
2-7/8" T2 on off tool, 2.31X FG nipple							
Packer	1	5.5000			4.00	6,716.00	6,720.00
5-1/2"x2-7/8" 1X w/carbide slips set @ 6716' w/20 pts compression							
Tbg Sect 2	1	2.8750	6.40		32.00	6,720.00	6,752.00
Other	1	2.3100			0.50	6,752.00	6,752.50
2.31 XN FG landing nipple w/2.205" no go							
Reentry Guide	1	2.8750			0.50	6,752.50	6,753.00

Wireline Re-entry guid

Tops:

Glorieta	2221'	Canyon	7052'
Tubb	3068'	Strawn	7624'
Abo	3700'	Atoka	8200'
Wolfcamp	4662'		

Page 1



CONDITIONS FOR PLUGGING AND ABANDONMENT

DISTRICT II / ARTESIA

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

1. **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.**
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. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
7. Produced water **will not** be used during any part of the plugging operation.
8. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
9. 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.
10. **Class 'C' cement will be used above 7500 feet.**
11. **Class 'H' cement will be used below 7500 feet.**
12. **A cement plug is required to be set 50' above and 50' below, all casing shoes, casing stubs, DV tools, attempted casing cut offs, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
13. 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
14. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
15. 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).**
16. **No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
17. Formations to be isolated with cement plugs are:
 - 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.**

18. 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, cement will be set 50' below to 50' above perforation 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 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 be GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)