

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 July 18, 2013

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. 30-025-35397
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other _____		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CATENA RESOURCES OPERATING, LLC		6. State Oil & Gas Lease No.
3. Address of Operator 1001 Fannin Street, Suite 2200, Houston, TX 77002		7. Lease Name or Unit Agreement Name NORTH ANDERSON RANCH 33 STATE COM
4. Well Location Unit Letter L : 1650 feet from the South line and 660 feet from the WEST line Section 33 Township 15-S Range 32-E NMPM LEA County		8. Well Number 007
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4,310' GL		9. OGRID Number 327064
		10. Pool name or Wildcat ANDERSON RANCH; MORROW (GAS)

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.

Wellbore Plug & Abandonment Lat/Long: 32.9706993 / -103.7292023 (NAD83)

(1) MIRU WOR. POOH w/ tubing. MIRU WL. RIH and set CIBP ~ 12,200'. Dump bail ~35' class 'H' cement cap. **Pressure test CSG**

(2) RIH w/ 2-7/8" workstring. Tag top of first plug ~12,165'. RU pump and circ hole with 9.5 ppg mud.

(2) Spot 25 sxs class 'H' cement from 9,950' to 9,747'. (Top of Wolfcamp ~9,850')

WOC & TAG

(3) Spot 25 sxs class 'H' cement from 7,720' to 7,517'. (Top of Abo ~7,620')

(4) Attempt to freepoint and cut 5-1/2" casing and recover as much as possible. Estimate cut around 6,000' (actual TBD).

* If casing recovering is unsuccessful, will perf and squeeze 5-1/2" casing for the remaining cement plugs on the way out.

(5) Spot 65 sxs class 'C' cement from 6,100' to 5,895'. WOC 4 hrs. Tag and spot more cement as needed.

(6) Spot 65 sxs class 'C' cement from 5,796' to 5,591'. WOC 4 hrs. Tag and spot more cement as needed. (Top of Glorieta ~5,696')

(7) Spot 65 sxs class 'C' cement from 4,282' to 4,080'. WOC 4 hrs. Tag and spot more cement as needed. (9-5/8" shoe at 4,182')

(8) Spot 65 sxs class 'C' cement from 2,636' to 2,434'. WOC 4 hrs. Tag and spot more cement as needed. (Top of Yates ~2,536')

(9) Spot 65 sxs class 'C' cement from 1,558' to 1,356'. WOC 4 hrs. Tag and spot more cement as needed. (Top of Salado ~1,795')

(10) Spot 180 sxs class 'C' cement from 517' to 0'. (13-3/8" shoe at 417')

(11) Cut off casings 3' below ground level. Visually verify cement top. Top off as necessary.

(12) Set dry hole marker per requirements.

Spud Date: **4" diameter 4' tall above ground marker**Rig Release Date: **See attached conditions of approval**

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

SIGNATURE Karen Zornes TITLE Regulatory Manager DATE 05/03/2022Type or print name Karen Zornes E-mail address: kzornes@ntglobal.com PHONE: 281-872-9300**For State Use Only:**APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 6/15/22

Conditions of Approval (if any):

WELLBORE DIAGRAM -

WELL:	NORTH ANDERSON RANCH 33 STATE COM #007	FORMATION:	MORROW	BH TEMP:	~195	°F
OPERATOR:	Catena Resources Operating, LLC	SPUD DATE:	3/4/2001	TD:	12,410'	MD (KB)
COUNTY:	Lea			TVD:	12,410'	TVD (KB)
STATE:	New Mexico			PBTD:	12,404'	MD (KB)
API :	30-025-35397	LEASE:	327064	KB ELEVATION:	4,324.0'	(14' KB)
LOCATION:	U/L: L, Section: 33, Township: 15S, Range: 32E (L-33-15S-32E)			GL ELEVATION:	4,310.0'	
FIELD:	ANDERSON RANCH (MORROW)			SURFACE LAT/LONG:	32.970699 / -103.729202	(NAD83)

CASING RECORD

O.D.	WT./FT.	GRADE	THD	TOP	BTM	BIT SZ.	SX CMT.	TOP CMT.	COMMENT
20-30	-	-	-	0'	0'	-	-	-	* Conductor Unknown
13-3/8"	48.00"	H-40	STC	0'	417'	17-1/2"	455	0'	* Cmt to surf, 120 sxs 'C', 200 sxs 'C', Top out w/ 135 sxs 'C' (? ft³)

O.D.	WT./FT.	GRADE	THD	TOP	BTM	BIT SZ.	SX CMT.	TOP CMT	COMMENT
9-5/8"	40.00#	K-55	STC	0'	4,182'	12-1/4"	1,500	0'	* Circ 183 sxs to surf, 1,350 sxs 50/50 Pz C, 150 sxs 'C' (? ft³)

O.D.	WT./FT.	GRADE	THD	TOP	BTM	BIT SZ.	SX CMT.	TOP CMT	COMMENT
5-1/2"	17.00#	N-80	LTC	0'	12,410'	8-3/4"	1,475	7,458'	Cmt: 1,475 sxs 50/50 Poz H (? ft³) * TOC calc at 80% fillup
									* Cmt Yield data not found, used 1.06 ft³/sk in calculations

* CBL ran 05-10-2001 - No scanned log or a noted TOC from the log. Will need Hard Copy.

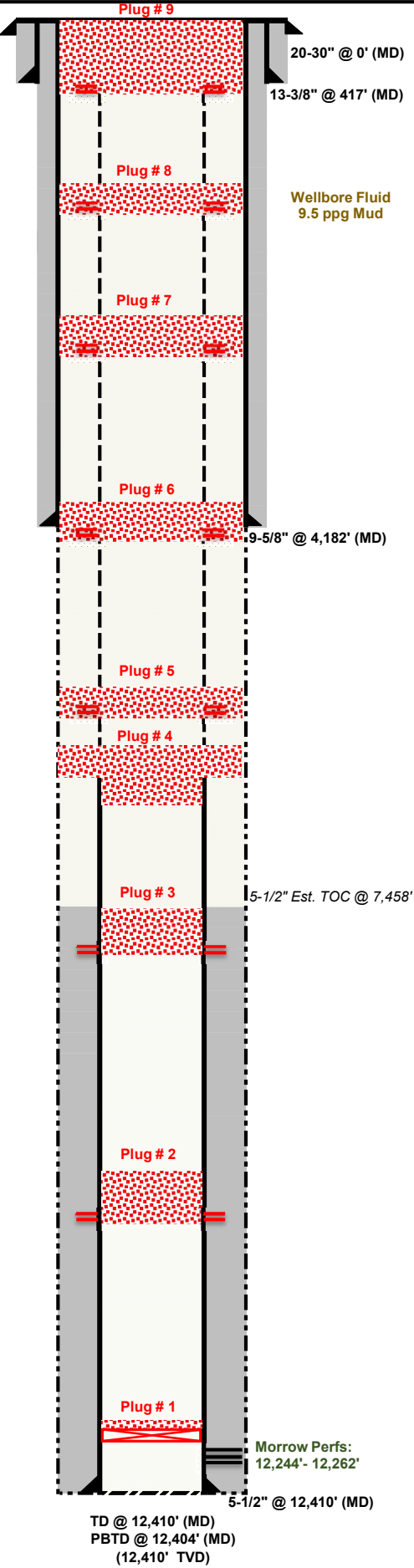
PERFORATION & PLUGBACK RECORD									
ZONE - Stage	TOP	BOTTOM	INTERVAL	DATE	COMMENTS			CURRENT	NOTES
MORROW	12,244	12,262	18'	5/20/2001	Perfs: 4 JSPF, 72 holes, TCP Guns, Stimulation: No Stim Records found			OPEN	

PROPOSED P&A PLUGS											
PLUGGING PROCEDURE	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8	PLUG #9		
	Morrow Perfs	WC ~9,850'	Abo ~ 7,620'	Csg Cut ~6,000'	Glorieta ~5,696'	9-5/8" Shoe	Yates ~2,536'	Salado ~1,458'	Surface		
Casing/Hole Section	5-1/2"	5-1/2"	5-1/2"	5-1/2" - 8.75" OH	8.75" OH	9-5/8" - 8.75" OH	9-5/8"	9-5/8"	9-5/8"		
Section Largest ID (inches)	4.892"	4.892"	4.892"	8.750"	8.750"	8.835"	8.835"	8.835"	8.835"		
Sacks of Cement Used	4.31	25	25	65	65	65	65	65	180		
Cmt Type (API Class)	"H"	"H"	"H"	"C"	"C"	"C"	"C"	"C"	"C"		
Cmt Slurry Weight (ppg)	16.4	16.4	16.4	14.8	14.8	14.8	14.8	14.8	14.8		
Cmt Neat API Yield (ft³/sk)	1.06	1.06	1.06	1.32	1.32	1.32	1.32	1.32	1.32		
Cmt Slurry Volume (ft³)	4.5686	26.5	26.5	85.8	85.8	85.8	85.8	85.8	237.6		
Cmt Slurry Height (ft)	35.0'	203.0'	203.0'	205.5'	205.5'	201.5'	201.5'	201.5'	558.1'		
Plug Bottom Depth	12,200'	9,950'	7,720'	6,100'	5,796'	4,282'	2,636'	1,558'	517'		
Plug Top Depth (Calculated)	12,165'	9,747'	7,517'	5,895'	5,591'	4,080'	2,434'	1,356'	-41'		
Additional Requirements	Tag top of plug	Perf & Sqz, Tag	Perf & Sqz, Tag	Spot & Tag	Spot & Tag	Spot & Tag	Spot & Tag	Spot & Tag	Spot & Tag		
* Comments	CIBP ~ 12,200'	--	--	** See below	** See below	** See below	** See below	** See below	** See below		

* Hole circulated with 9.5 ppg mud prior to setting plugs. For any tagged plugs wait on cmt 4 hrs before tagging. * < 7,500' = Class 'C' cement, > 7,500' = Class 'H' cement

** If 5-1/2" casing can not be recovered then perf, squeeze, and tag remaining plugs.

ESTIMATED FORMATION TOPS	
Salado	1,458'
Yates	2,536'
Glorieta	5,696'
Abo	7,620'
Wolfcamp	9,850'
Pennsylvanian	
Cisco	9,945'
Strawn	11,253'
Atoka	11,772'
Morrow	Existing Perforations



**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:

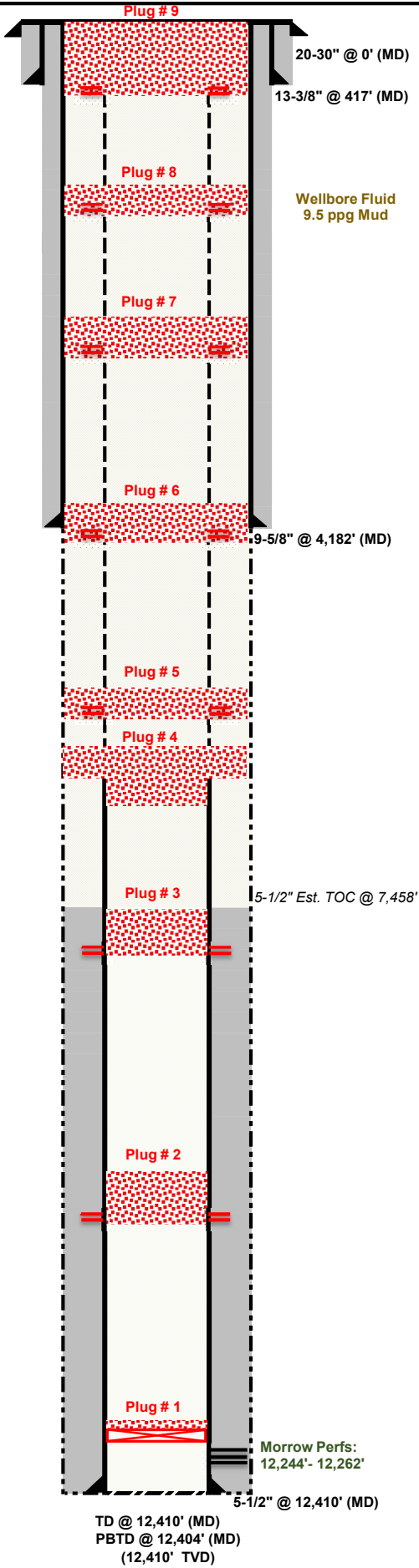
1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

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

WELLBORE DIAGRAM -



WELL:	NORTH ANDERSON RANCH 33 STATE COM #007	FORMATION:	MORROW	BH TEMP:	~195	°F
OPERATOR:	Catena Resources Operating, LLC	SPUD DATE:	3/4/2001	TD:	12,410'	MD (KB)
COUNTY:	Lea			TVD:	12,410'	TVD (KB)
STATE:	New Mexico			PBTD:	12,404'	MD (KB)
API :	30-025-35397	LEASE:	327064	KB ELEVATION:	4,324.0'	(14' KB)
LOCATION:	U/L: L, Section: 33, Township: 15S, Range: 32E (L-33-15S-32E)			GL ELEVATION:	4,310.0'	
FIELD:	ANDERSON RANCH (MORROW)			SURFACE LAT/LONG:	32.970699 / -103.729202	(NAD83)

CASING RECORD

SURFACE CASING									
O.D.	WT./FT.	GRADE	THD	TOP	BTM	BIT SZ.	SX CMT.	TOP CMT.	COMMENT
20-30	-	-	-	0'	0'	-	-	-	* Conductor Unknown
13-3/8"	48.00"	H-40	STC	0'	417'	17-1/2"	455	0'	* Cmt to surf, 120 sxs 'C', 200 sxs 'C', Top out w/ 135 sxs 'C' (? ft³)

INTERMEDIATE CASING									
O.D.	WT./FT.	GRADE	THD	TOP	BTM	BIT SZ.	SX CMT.	TOP CMT	COMMENT
9-5/8"	40.00#	K-55	STC	0'	4,182'	12-1/4"	1,500	0'	* Circ 183 sxs to surf, 1,350 sxs 50/50 Pz C, 150 sxs 'C' (? ft³)

PRODUCTION CASING / LINER									
O.D.	WT./FT.	GRADE	THD	TOP	BTM	BIT SZ.	SX CMT.	TOP CMT	COMMENT
5-1/2"	17.00#	N-80	LTC	0'	12,410'	8-3/4"	1,475	7,458'	Cmt: 1,475 sxs 50/50 Poz H (? ft³) * TOC calc at 80% fillup
									* Cmt Yield data not found, used 1.06 ft³/sk in calculations

* CBL ran 05-10-2001 - No scanned log or a noted TOC from the log. Will need Hard Copy.

PERFORATION & PLUGBACK RECORD							
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Casing/Hole Section	5-1/2"	5-1/2"	5-1/2"	5-1/2" - 8.75" OH	8.75" OH	9-5/8" - 8.75" OH	9-5/8"	9-5/8"	9-5/8"		
Section Largest ID (inches)	4.892"	4.892"	4.892"	8.750"	8.750"	8.835"	8.835"	8.835"	8.835"		
Sacks of Cement Used	4.31	25	25	65	65	65	65	65	180		
Cmt Type (API Class)	"H"	"H"	"H"	"C"	"C"	"C"	"C"	"C"	"C"		
Cmt Slurry Weight (ppg)	16.4	16.4	16.4	14.8	14.8	14.8	14.8	14.8	14.8		
Cmt Neat API Yield (ft³/sk)	1.06	1.06	1.06	1.32	1.32	1.32	1.32	1.32	1.32		
Cmt Slurry Volume (ft³)	4.5686	26.5	26.5	85.8	85.8	85.8	85.8	85.8	237.6		
Cmt Slurry Height (ft)	35.0'	203.0'	203.0'	205.5'	205.5'	201.5'	201.5'	201.5'	558.1'		
Plug Bottom Depth	12,200'	9,950'	7,720'	6,100'	5,796'	4,282'	2,636'	1,558'	517'		
Plug Top Depth (Calculated)	12,165'	9,747'	7,517'	5,895'	5,591'	4,080'	2,434'	1,356'	-41'		
Additional Requirements	Tag top of plug	Perf & Sqz, Tag	Perf & Sqz, Tag	Spot & Tag	Spot & Tag	Spot & Tag	Spot & Tag	Spot & Tag	Spot & Tag		
* Comments	CIBP ~ 12,200'	--	--	** See below	** See below	** See below	** See below	** See below	** See below		

* Hole circulated with 9.5 ppg mud prior to setting plugs. For any tagged plugs wait on cmt 4 hrs before tagging. * < 7,500' = Class 'C' cement, > 7,500' = Class 'H' cement
** If 5-1/2" casing can not be recovered then perf, squeeze, and tag remaining plugs.

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Pennsylvanian	
Cisco	9,945'
Strawn	11,253'
Atoka	11,772'
Morrow	Existing Perforations

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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 103812

COMMENTS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 103812
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	6/16/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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

CONDITIONS

Action 103812

CONDITIONS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 103812
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached COA	6/15/2022