

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

2. Name of Operator

3a. Address 3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Ridge Unit 128H 30-045-38427
Bull Head Remedial Cementing Procedure

378 Base of surf casing MD KB
740 (possible top of cement is 740' MD)

Depth estimated to top of cmt

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)	Total Cmt (bbls)
<i>Tail</i>	Type III	14.6	1.370	6.64	300%	0	279	382	68
<i>Annular Capacity</i>	0.43407	cuft/ft	7" casing x 9-5/8" casing annulus				Shoe Track L	0	
	0.1503	cuft/ft	7" casing x 8-3/4" hole annulus				9-5/8" Casing ID	8.921	
							Hole size inches	8.75	

Calculated cement volumes assume gauge hole and the excess noted in table

Tail ASTM Type III

Drake Intermediate Bullhead Cementing Program

	Burst (psi)	Collapse (psi)	Depth (ft)	OD (in)	ID (in)
9-5/8" surface casing	3520	2020	354.3	9.625	8.921
7" Intermediate Casing	4980	4320	5982	7	6.276

- 1 RU Drake, tie onto 7" x 9-5/8" annulus
- 2 Test lines to 1,500 psi, set as max pressure
- 3 Establish inj rate with FW, min 1 bpm, max 3 bpm
- 4 Mix & pump cement @ 1 to 2 bpm
- 5 Displace w/<1/4 bbl FW

From: [Greg Olson](#)
To: [Clay McDonald](#)
Cc: [Jennifer Korinek](#); [Chris Longwell](#); [Sean Owens](#); [Shaw-Marie Ford](#)
Subject: FW: Remediation recommendations Ridge Unit 124 pad - Ridge Unit 128H
Date: Friday, September 26, 2025 9:01:01 AM
Attachments: [RIDGE UNIT 128H.tif](#)
[RIDGE UNIT 128H.pdf](#)
[Remediation recommendations.xlsx](#)
[Ridge Unit 128H remedial cementing.xlsx](#)

Morning Clay,

The attached information was sent to both Virgil Lucero with the BLM (approved 9/25/25 6:31 PM, email) and Ward Rikala with the NMOCD (approved 9/25/25 2:07 PM email) and both have approved the proposed remediation procedures that are attached. A CBL will be required after completing the remediation procedure.

Thank you,

Greg Olson
Enduring Resources
golson@enduringresources.com
(303) 408-4097 cell
(303) 350-5117 office

From: Greg Olson
Sent: Thursday, September 25, 2025 9:31 AM
To: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>; vlucero@blm.gov
Subject: Remediation recommendations Ridge Unit 124 pad - Ridge Unit 128H

Good Morning Ward / Virgil,

Attached is the CBL and remediation summary and recommendation for the 7" intermediate casing on one of three Ridge Unit 124 pad wells – Ridge Unit 128H. To attempt to avoid a future leak path, I'd recommend bullheading first on this well. If further remediation is needed after re-logging and examining the CBL, we can take additional action.

Thank you,

Greg Olson
Enduring Resources
golson@enduringresources.com

WELL NAME: Ridge Unit 128H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-H formation
API Number: 30-045-38427
AFE Number: DV03132
ER Well Number: NM08392.01
State: New Mexico
County: San Juan
Surface Elev.: 6,923 ft ASL (GL) 6,947 ft ASL (KB)
Surface Location: 25-24-8 Sec-Twn- Rng 2,371 ft FNL 1,272 ft FEL
BH Location: 14-24N-8 Sec-Twn- Rng 664 ft FSL 231 ft FWL

QUICK REFERENCE	
Sur TD (MD)	350 ft
Int TD (MD)	6,010 ft
KOP (MD)	5,160 ft
KOP (TVD)	5,088 ft
Target (TVD)	5,560 ft
Curve BUR	10 °/100 ft
POE (MD)	5,714 ft
TD (MD)	17,557 ft
Lat Len (ft)	11,843 ft

Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:
South on US Hwy 550 for 43.5 miles to MM 108.3; Left (North) on CR 7998 for 1.0 miles to fork; Left (NorthWest) exiting CR 7998 for 0.2 miles to fork; Right/Straight (NorthWest) for 0.4 miles to fork; Right/Straight (NorthEast) for 0.3 miles to access road on right; Right (East) for 0.5 miles on access road to the Ridge Unit 124H Pad. There are four wells on this location, From East to West: 124H, 127H, 128H, 129H).

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	12.250	350	9.625	36	J-55	STC	0	350
Intermediate	8.750	6,010	7	26.0	J-55	LTC	0	6,010
Production	6.125	17,557	4.500	11.6	P-110	BTC	5,860	17,557

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114
Inter. (Lead)	III:POZ Blend	12.5	2.15	12.05	0.1668	180%	0	855
Inter. (Tail)	Type III	13.5	1.71	8.88	0.1503	30%	4,579	169
Prod. (Lead)	tegraGuard S	10	0.000	35.7	0.1044	0%	0	20 bbls
Prod. (Tail)	G:POZ blend	13.3	1.520	7.5	0.0873	35%	5,860	978

COMPLETION / PRODUCTION SUMMARY:

Frac: 49 Frac Stages, 188000 bbls slick water, 15270000 lbs proppant
Flowback: Flow back through production tubing as pressures allow
Production: Produce through production tubing via gas-lift into permanent production and storage facilities

Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	1,357	1,357
Kirtland	1,472	1,472
Fruitland	1,717	1,718
Pictured Cliffs	2,012	2,018
Lewis	2,137	2,146
Chacra	2,447	2,464
Cliff House	3,548	3,593
Menefee	3,563	3,608
Point Lookout	4,383	4,450
Mancos	4,608	4,679
Gallup (MNCS_A)	4,973	5,045
MNCS_B	5,053	5,125
MNCS_C	5,184	5,256
MNCS_Cms	5,269	5,344
MNCS_D	5,339	5,419
MNCS_E	5,414	5,507
MNCS_F	5,469	5,577
MNCS_G	5,560	5,714
MNCS_H	5,595	5,783
MNCS_I	5,646	5,929
FTP TARGET	5,560	5,714
PROJECTED TD	5,727	17,557

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AFE Number: DV03132

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Surface	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114
Inter. (Lead)	III:POZ Blend	12.5	2.15	12.05	0.2148	140%	1000	628
Inter. (Tail)	Type III	13.5	1.71	8.88	0.2148	30%	4579	169
Inter. (Lead)	III:POZ Blend	12.5	2.15	12.05	0.1503	140%	0	119
Inter. (Tail)	Type III	13.5	1.71	8.88	0.2148	100%	900	18
0	tegraGuard S	10	0.000	35.7	0.1044	0%	0	20 bbls
Prod. (Tail)	G:POZ blend	13.3	1.520	7.50	0.0873	35%	5,860	978

COMPLETION / PRODUCTION SUMMARY:

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Point Lookout	4,383	4,450
Mancos	4,608	4,679
Gallup (MNCS_A)	4,973	5,045
MNCS_B	5,053	5,125
MNCS_C	5,184	5,256
MNCS_Cms	5,269	5,344
MNCS_D	5,339	5,419
MNCS_E	5,414	5,507
MNCS_F	5,469	5,577
MNCS_G	5,560	5,714
MNCS_H	5,595	5,783
MNCS_I	5,646	5,929
FTP TARGET	5,560	5,714
PROJECTED TD	5,727	17,557

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 532730

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 532730
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	12/10/2025