

Form 3160-5
(June 2019)

Operator Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator E.G.L. Resources, Inc.

3a. Address P.O. Box 10886
Midland, TX 79702

3b. Phone No. (include area code)
(432) 687-6560

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
500' FNL & 2,265' FWL, Sec. 12, Twp. 23-S, Rge. 24-E

5. Lease Serial No. NM 91505

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.
NM 111032

8. Well Name and No. Rock Tank Federal #5

9. API Well No. 30-015-32857

10. Field and Pool or Exploratory Area
Rock Tank - Upper Morrow

11. Country or Parish, State
Eddy County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 checked="" 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 recompletable 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 performed 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 recompletable 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 determined that the site is ready for final inspection.)

SUMMARY OF PROPOSED OPERATIONS:

- MIRU. ND wellhead. NU BOPE. Test tbg. Tag fish top @ 9761'. Load well w/ water.
 - Set 60 sxs Cl. "H" cmt plug in 5-1/2" csg @ 9,761'. WOC and tag. (Morrow plug) @ 9561'
 - Circulate wellbore with 9 ppg mud.
 - Set 60 sxs Cl. "H" cmt plug in 5-1/2" csg @ 9,050'. WOC and tag. (Strawn/DV tool plug) 8647'. Add Plug 25 SX 8386-8206 (T-Cisco)
 - Set 25 sxs Cl. "H" cmt plug in 5-1/2" csg @ 7,940'. (Wolfcamp plug) 7940'-7760'
 - Set 25 sxs Cl. "H" cmt plug in 5-1/2" csg & 4" csg @ 7,500'. WOC and tag. (4" liner shoe plug) @ 7320'
 - Set 25 sxs Cl. "C" cmt plug in 4" csg @ 4,200'. WOC and tag. (Bone Springs & Cmted Csg plug) 4070'-3930'
 - Perf csg @ 1,700'. Sqz w/ 65 sxs Cl. "C" cmt. WOC. Call BLM Carlsbad Office to witness tag. (Surface Casing Shoe & Delaware plug) 2020-1490' (B/Cap:ton)
 - Perf csg @ 60'. Sqz w/ 15 sxs Cl. "C" cmt leaving 60' cmt plug f/ 60' - surface. ND BOPE.
 - Dig out cellar. Cut off casing strings at base of cellar. Install P&A marker as designated by BLM officer. Fill in cellar.
 - Clean location and move off location.
- * Ad. Perf @ 1000'; SQZ cmt to 900' (T/Cap:ton) WOC Tag.

ATTACHMENTS:

- DETAILED PROCEDURE OF PROPOSED OPERATIONS
- WELLBORE DIAGRAM OF WELLBORE CURRENT STATUS
- WELLBORE DIAGRAM OF PROPOSED PLUGGED AND ABANDONED STATUS

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

John A. Langhoff

Title Petroleum Engineer

Signature

John A. Langhoff

Date

06/25/2020

Accepted for record - NMOCD gc 11/12/2021

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

James A. Ames

Title

SAET

Date

7-21-20

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

CFD

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)

ROCK TANK FEDERAL NO. 5
500' FNL & 2,265' FWL, SEC 12, TWP 23S, RGE 24E, EDDY CO., NM
LAT: 32.3244972 LONG: -104.4533386
API NO. 30-015-32857

PLUG AND ABANDONMENT PROPOSED PROCEDURE:

NOTE: Handling tools for 2-3/8" 4.7#/ft CS Hydril tubing are required for this wellwork. Consider standing back 2-3/8" EUE tubing initially & use again after laying down 2-3/8" CS Hydril.

1. Contact BLM office at 575-361-2822 at least 24 hours prior to commencing plugging operations.
2. MIRU. ND wellhead. NU BOPE. Drop 2-3/8" standing valve. Load tubing and pressure test to 1,000 psi. Pull standing valve. Pick up one joint 2-3/8" tubing and tag top of fish @ 9,761'. Pull 20 stands tubing to ensure ability to move tubing as desired. RIH with same amount of tubing.
3. Load hole with fresh water and break circulation (Hole capacity is 159 BBLs).
4. Mix and pump 60 sxs Class "H" neat cement (16.4 ppg) in 5-1/2" csg to spot balanced plug at 9,761' on top of fish & Morrow formation perms. POOH w/ tbg to +/- 8,500'. WOC and tag. @ 9561'
5. Circulate wellbore with 9 ppg mud. Pressure test casing to 500 psi. PUH w/ tubing.
6. PUH w/ tbg to 9,050' (Top of Strawn @ 9,000' & DV Tool @ 8,697'). Set balanced cmt plug (Strawn isolation & DV Tool plug) in 5-1/2" csg with 60 sxs Class "H" neat cmt (16.4 ppg). WOC & tag. @ 8647'
7. PUH w/ tbg to 7,940' (Top of Wolfcamp @ 7,890'). Set balanced cmt plug (Wolfcamp isolation plug) in 5-1/2" csg with 25 sxs Class "H" neat cement (16.4 ppg). NOTE: CS Hydril tbg tools necessary to pull above cement at this point. Tally & LD 68 jts. 2-3/8" CS Hydril & re-run 64 jts. 2-3/8" EUE tbg.
8. RIH w/ tbg to 7,500' (4" liner shoe @ 7,443'). Set balanced cement plug in casing with 25 sxs Class "H" neat cement (16.4 ppg). POOH to +/- 6,500'. WOC and tag. @ 7320'
9. PUH to ~~4,200'~~ ^{4,970'} (Top of Bone Spring @ 4,020' & 3000' cemented casing plug). Set balanced cement plug in 4" casing with ~~25~~ ³⁵ sxs Class "C" neat cement (14.8 ppg). Pull above cmt w/ tbg. WOC and tag. @ 3930'
10. Perforate 5-1/2" casing at ~~1,700'~~ ^{2038'} (50 ft. below surf csg shoe @ 1,650', Top of Delaware @ 1,545'). 1970
 Attempt to break circulation with 500 psi or less. Squeeze cement surface casing shoe and Delaware formation top with 65 sxs Class "C" neat cement (14.8 ppg). Pull above cement w/ tubing. WOC. B/Capitan
11. POOH w/ tubing. Perforate 5-1/2" casing at 60'. Mix and pump 15 sxs Class "C" neat cement (14.8 ppg) to circulate cement from 60' to surface. ND BOPE. Wash up equipment.
12. Surface Cap. All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least 1/4 inch thick and welded in place, or a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement as specified by the authorized officer. The well location and identity shall be permanently inscribed. A weep hole shall be left if a metal plate is welded in place.
13. The cellar shall be filled with suitable material as specified by the authorized officer and the surface restored in accordance with the instructions of the authorized officer.

Add 6a spot plug from 8386' - 8206' (25 sxs min, Top Cisco)

Add 10a Perf and attempt to sqz cmt from 1000' - 900'. WOC
 Tag. (T/Capitan)

WELL DATA SHEET

FIELD: Rock Tank

WELL NAME: Rock Tank Fed #5

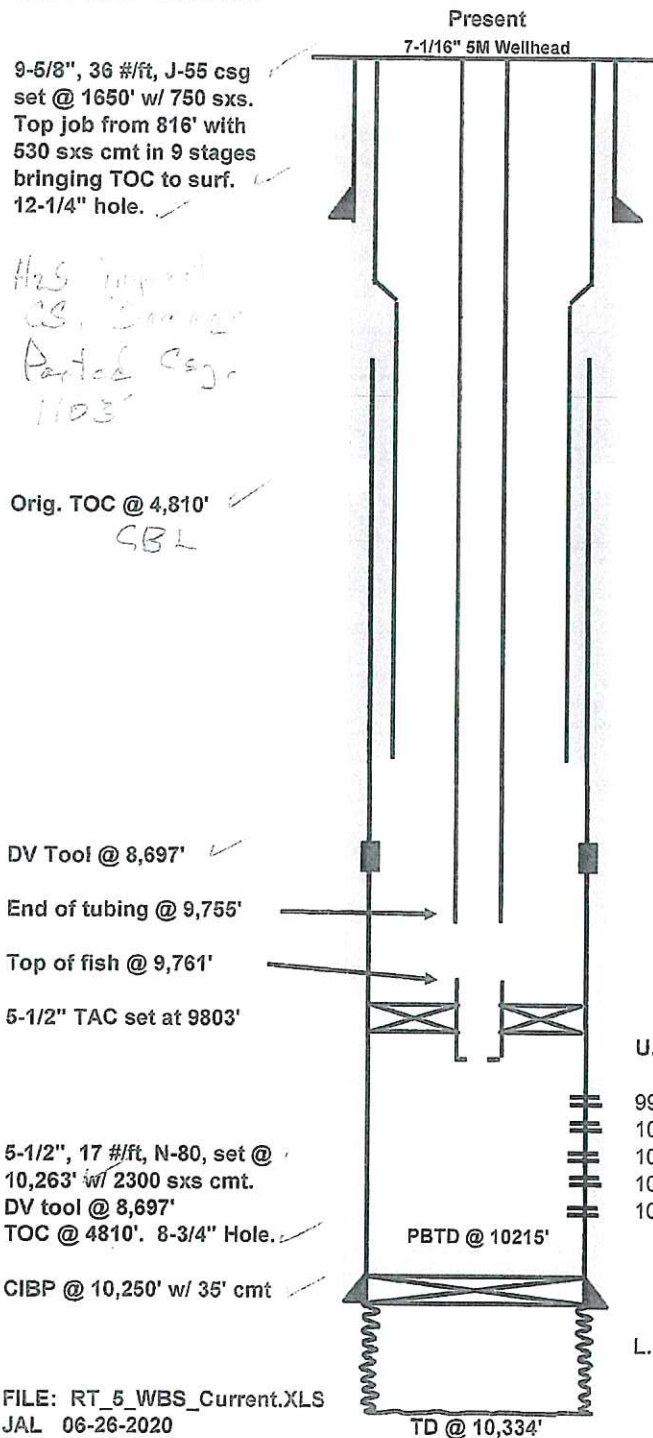
FORMATION: U. Morrow

LOC: 500' FNL & 2,265' FWL
SEC: 12
TWP: 23-S RGE: 24-E

COUNTY: Eddy
STATE: NM

GL: 4067'
KB to GL: 13.0'
DF to GL: 12.0'

CURRENT STATUS: Producer
API NO: 30-015-32857



TOC @ 665' by calculation

5-1/2", 15.5 #/ft, J-55 8-rd csg to 2,787'
4" x 5-1/2" X-over @ 2,787'
4", 10.46 #/ft, J-55 Ultra FJ 2,788' to 7,443'
5-1/2", 17 #/ft, N-80 csg stub @ 2,987'

Tubing Detail (9/1/2005)

KB:	13.00
64 Jts. 2-3/8", 4.7#, L-80 8-rd tbg	2,076.84
X-over	1.00
252 Jts. 2-3/8", 4.7#, L-80 CS Hydril tbg	7,661.44
X-over	1.10
2-3/8" Seat Nipple w/ collar on btm	1.50
Landed at	9,754.88

4", 10.46 #/ft, J-55, set @ 7,443'
Cemented w/ 1,000 sxs.
TOC @ 665' by calc.

Fish Detail (7/15/2005) (Top @ 9,761')

42' of 2-3/8", 4.7#, N-80 tbg	42.00
TAC	2.75
2 Jts. 2-3/8", 4.7#, N-80 tbg	63.46
2-3/8" Seat Nipple	1.10
2-3/8", 4.7#, N-80 perf sub	4.05
2 Jts. 2-3/8", 4.7#, N-80 tbg w/ BPOB	63.94
Landed at	9,938.44

U. Morrow Perfs 9962' - 10154'

Perfs (3 spf)
9962' - 82'
10050' - 64'
10069' - 88'
10106' - 34'
10150' - 54'

L. Morrow Openhole 10263'-334'

9962' - 82'
10050' - 64'
10069' - 88'
10106' - 34'
10150' - 54'

WELL DATA SHEET

FIELD: Rock Tank

WELL NAME: Rock Tank Fed #5

FORMATION: U. Morrow

LOC: 500' FNL & 2,265' FWL
SEC: 12
TWP: 23-S RGE: 24-E

COUNTY: Eddy
STATE: NM

GL: 4067'
KB to GL: 13.0'
DF to GL: 12.0'

PROPOSED STATUS: P&A'd
API NO: 30-015-32857

9-5/8", 36 #/ft, J-55 csg
set @ 1650' w/ 750 sxs.
Top job from 816' with
530 sxs cmt in 9 stages
bringing TOC to surf.
12-1/4" hole.

5-1/2" Orig. TOC @ 4,810'

Formation Tops:

Capitan Reef @ 950'
Delaware @ 1545'
Bone Springs @ 4020'
Wolfcamp @ 7890'
Cisco (Penn) @ 8336'
Strawn @ 9000'
Atoka @ 9195'
Morrow @ 9870'

DV Tool @ 8,697'

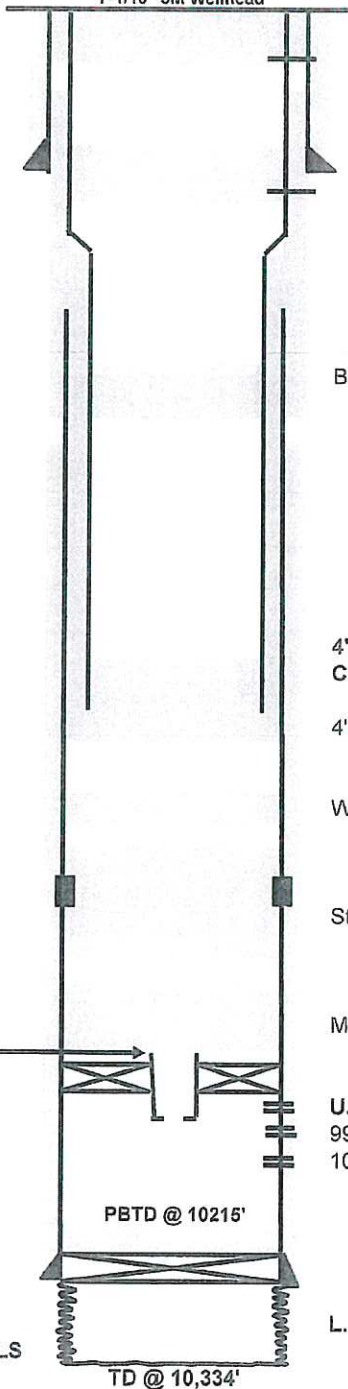
Top of fish @ 9,761'
5-1/2" TAC set at 9803'

5-1/2", 17 #/ft, N-80, set @
10,263' w/ 2300 sxs cmt.
DV tool @ 8,697'
TOC @ 4810'. 8-3/4" Hole.

CIBP @ 10,250' w/ 35' cmt

FILE: RT_5_WBS_Current.XLS
JAL 06-26-2020

Proposed
7-1/16" 5M Wellhead



Surface Plug (15 sxs) set @ 60'

TOC @ 665' by calculation

Surf Csg & Delaware Isolation Plug (65 sxs) set @ 1,700'

5-1/2", 15.5 #/ft, J-55 8-rd csg to 2,787'

4" x 5-1/2" X-over @ 2,787'

4", 10.46 #/ft, J-55 Ultra FJ 2,788' to 7,443'

5-1/2", 17 #/ft, N-80 csg stub @ 2,987'

Bone Springs Isolation/Casing Plug (20 sxs) set @ 4,200'

4", 10.46 #/ft, J-55, set @ 7,443'

Cemented w/ 1,000 sxs. TOC @ 665' by calc.

4" Liner Isolation Plug (25 sxs) set @ 7,500'

Wolfcamp Isolation Plug (25 sxs) set @ 7,940'

Strawn Isolation/DV Tool Plug (60 sxs) set @ 9,050'

Morrow Isolation Plug (60 sxs) set @ 9,761'

U. Morrow Perfs 9962' - 10154' (3 spf)
9962' - 82', 10050' - 64', 10069' - 88'
10069' - 88', 10150' - 54'

L. Morrow Openhole 10263'-334'

PBTB @ 10215'

TD @ 10,334'

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

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 61089

CONDITIONS

Operator: E G L RESOURCES INC P.O. Box 10886 Midland, TX 79702	OGRID: 173413
	Action Number: 61089
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	11/12/2021