

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. LOGOS 7
2. Name of Operator ENDURING RESOURCES LLC Contact: LACEY GRANILLO E-Mail: lgranillo@enduringresources.com	9. API Well No. 30-043-21155-00-S1
3a. Address 1050 17TH STREET SUITE 2500 DENVER, CO 80265	10. Field and Pool or Exploratory Area WILDCAT
3b. Phone No. (include area code) Ph: 505-636-9743	11. County or Parish, State SANDOVAL COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T22N R5W SWNW 1645FNL 0180FWL 36.169270 N Lat, 107.392840 W Lon	

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

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 recompleat 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 recompleat 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.

7/1/19- MIRU

7/2/19 thru 7/7/19- Pump repair, pull tubing.

7/8/19- Landed @ 6215?, w/ 43 jnts of 2 7/8", 6.5#, L80 & 150 Jtns of 2 7/8", 6.5#, J55.
TIH WITH 2 1/2" X 1 1/4" X 10' X 11' X 15' RHAC W/4' PLUNGER AND 1" X 10' STRAINER NIPPLE ON BTM 2
4'X 7/8" CENTRALIZING SUBS WITH 2 1/2" GUIDES 8 1 1/2" SINKER BARS 237 7/8" RODS INSTALL 1
1/2" X 22' POLISH ROD WITH NEW ROD ROTATOR AND 2 1/2" BIG STUUFING BOX

7/9/19- RDMO

NMOC

AUG 20 2019

DISTRICT III

14. I hereby certify that the foregoing is true and correct. Electronic Submission #475961 verified by the BLM Well Information System For ENDURING RESOURCES LLC, sent to the Rio Puerco Committed to AFMSS for processing by JOHN HOFFMAN on 08/20/2019 (19JH0012SE)	
Name (Printed/Typed) LACEY GRANILLO	Title PERMITTING SPECIALIST
Signature (Electronic Submission)	Date 07/31/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JOHN HOFFMAN Title PETROLEUM ENGINEER	Date 08/20/2019
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 Rio Puerco		

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOC copy

Logos 7

API # 30-043-21155



Location	Sec: 5	Twship: 22N	Rge: 5W	Spud Date:	9/25/2013	Elevation: 6880' GR
Footage	1645' FNL	180' FWL		Completion:	10/21/2013	County Sandoval
Lat:	36.169075			Formation:	WC 22N5W5; Gallup(o)	KB 15'
Long:	-107.3928757					Reland tbg: 7/8/19

4969'-5074': Perf'd w/ .385" diam 3SPF =42holes.
Frac'd w/ 48bbbls of 15% HCl; 4014bbbls of slickwater,
9360# of 100 Mesh; 80000# 40/70 Ottawa sand.

5194'-5322': Perf'd w/ .385" diam 3SPF =42holes.
Frac'd w/ 48bbbls of 15% HCl; 2501bbbls of
slickwater 70Q N2,10000# 100 Mesh; 118878#
40/70 Ottawa sand,2.4 mmscf N2

5360'-5420': Perf'd w/ .385" diam 3SPF =39holes.
Frac'd w/ 48bbbls of 15% HCl; 2719bbbls of
slickwater 70Q N2,10000# 100 Mesh; 125020#
40/70 Ottawa sand,2.5 mmscf N2

5820'-5912': Perf'd w/ .385" diam 3SPF =48holes.
Frac'd w/ 48bbbls of 15% HCl; 3593bbbls of
slickwater,5000# 100 Mesh; 28942# 40/70 Ottawa
sand.

6030'-6120': Perf'd w/ .385" diam 3SPF
=42holes,Frac'd w/ 47bbbls of 15% HCl; 3882bbbls of
slickwater,10000# 100 Mesh; 43880# 40/70
Ottawa sand.

Tubing Landed @ 6215', w/ 43 jnts of 2 7/8", 6.5#,
L80 & 150 Jtns of 2 7/8", 6.5#, J55.
TIH WITH 2 1/2" X 1 1/4" X 10' X 11' X 15' RHAC
W/4" PLUNGER AND 1" X 10' STRAINER NIPPLE ON
BTM 2 4" X 7/8" CENTRALIZING SUBS WITH 2 1/2"
GUIDES 8 1 1/2" SINKER BARS 237 7/8" RODS
INSTALL 1 1/2" X 22' POLISH ROD WITH NEW ROD
ROTATOR AND 2 1/2"

12 1/4"

7 7/8"
Hole

Ojo Alamo 1364'

Kirtland 1512'

Fruitland 1739'

Pictured Cliffs 1888'

Lewis 1990'

Cliffhouse 3410'

Pt. Lookout 4110'

Mancos 4300'

Gallup 5190'

Greenhorn 6092'

Graneros 6140'

Dakota 6160'

Surface: csg set @ 9-5/8" @ 505',
18jts of H-40, 32.3# w/ FC @ 485',
Cmt 143sx of Type I-II w/ 20% Flyash.
Circ., 8bbbls cmt to surface.

TD @ 510'.

Production: csg set @ 5-1/2" @ 6396',
140jts P-110, 17# FC @ 6348'. Stage Tool
@ 4372'

Stg1: Cmt w/ 160sx Premium Lite HS FM,
Tailed w/ 150sx Type III. Circ. 20bbbls of cmt
to surface.

Stg2: Cmt w/ 540sx Premium Lite HS FM,
Tailed w/ 50sx Type III. Circ. 50bbbls of cmt
to surface.

Stg Tool @ 4372'.

TAC @ 4890'.

4969' -5074" U. Gallup

5194' -5322' M. Gallup

5360' -5420' L. Gallup

5820' -5912' Sanostee

6063' -6120' Greenhorn

PBTD @ 6348'.

TD @ 6410'.