

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 11 2018

FORM 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.

5. Lease Serial No.
NMMN18463

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
CHACO 2308 04P #150H

2. Name of Operator
Enduring Resources, LLC

9. API Well No.
30-045-35497

3a. Address
332 Cr 3100 Aztec, NM 87410

3b. Phone No. (include area code)
505-636-9743

10. Field and Pool or Exploratory Area
NAGEEZI GL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 1312' FSL & 285' FEL SEC 4 23N 8W
BHL: 393' FSL & 228' FEL SEC 3 23N 8W

11. Country or Parish, State
San Juan, NM

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 ShutOff
<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	AMENDED/ CORRECTION TO COMPLETION
	<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 recomple 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 recomple 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.)

Enduring Resources would like to amend the following completion information:

Previously reported landing info as:

5/25/14-Land well at 5782' w/ 14.5' KB as follows 1/2 MS, 4 Jt of 2.375" J55 4.7lb 8rnd EUE tbg, 1.50" FN at 5646', 181 Jts of 2.375" J55 4.7lb 8rnd EUE tbg, 185 Jts total

Should have reported landing info as:

5/25/14- Landed well at 5782'. RIH w/ 14.5' KB as follows 1/2 MS, 185 jts of 2-7/8" 6.5# J55. Packer set @ 5648', 6 GLV

Attached is an updated wellbore.

ACCEPTED FOR RECORD

JUL 12 2018

FARMINGTON FIELD OFFICE

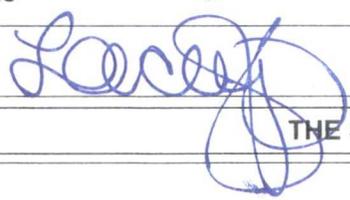
By: 

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

Lacey Granillo

Title Permit Specialist

Signature



Date 7/11/18

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.

NMOCD

NMOCD

JUL 18 2018

DISTRICT III

CHACO 2308-04P #150H API # 30-45-35497

Location

SHL: 1312' FSL 285' FEL Sec: 4 Twnshp: 23N Rge: 8W
 BHL: 393' FSL 228' FEL Sec: 3 Twnshp: 23N Rge: 8W

Spud Date: 1/22/2014

Elevation: 6870'

Completion: 5/25/2014

County San Juan

Pool Name: NAGEEZI GALLUP

wellbore update: 7/11/18 lg

Tops	MD	TVD
Ojo Alamo	1068'	1064'
Kirtland	1275'	1265'
Pictured Cliffs	1660'	1635'
Lewis	1776'	1747'
Chacra	2083'	2042'
Cliff House	3200'	3115'
Menefee	3236'	3149'
Point Lookout	4118'	3999'
Mancos	4337'	4217'
Gallup	4700'	4579'

12 1/4"
Hole

8 3/4"
Hole

6 1/8"
Hole

Surface: 9-5/8" 13 jnts 36# J-55 ST&C csg, set @ 427', float collar @ 392
Cmt'd 240sx of Type I-II. Circ., 10bbls of cmt to surface.

Intermediate: 7" csg set @ 5863', 139ts j55, 23#, FC @ 5819'. Cmt'd w/ **Lead @ (670sx/174bbls)** of Halcem, followed by **Tail @ 100sx/23bbls** of Varicem. w/ **20bbls of good cement back to surface.**

TOL @ 5703'.

Prod Liner: 4 1/2" csg set @ 10500', 118 jts of N-80 11.6#. LC @ 10418', RSI @ 10412', TOL @ 5703'.
Cmt'd 380sx of Extendacem. Circ., 20 Bbl **Good Cement to Surface**

TD @ 10521'

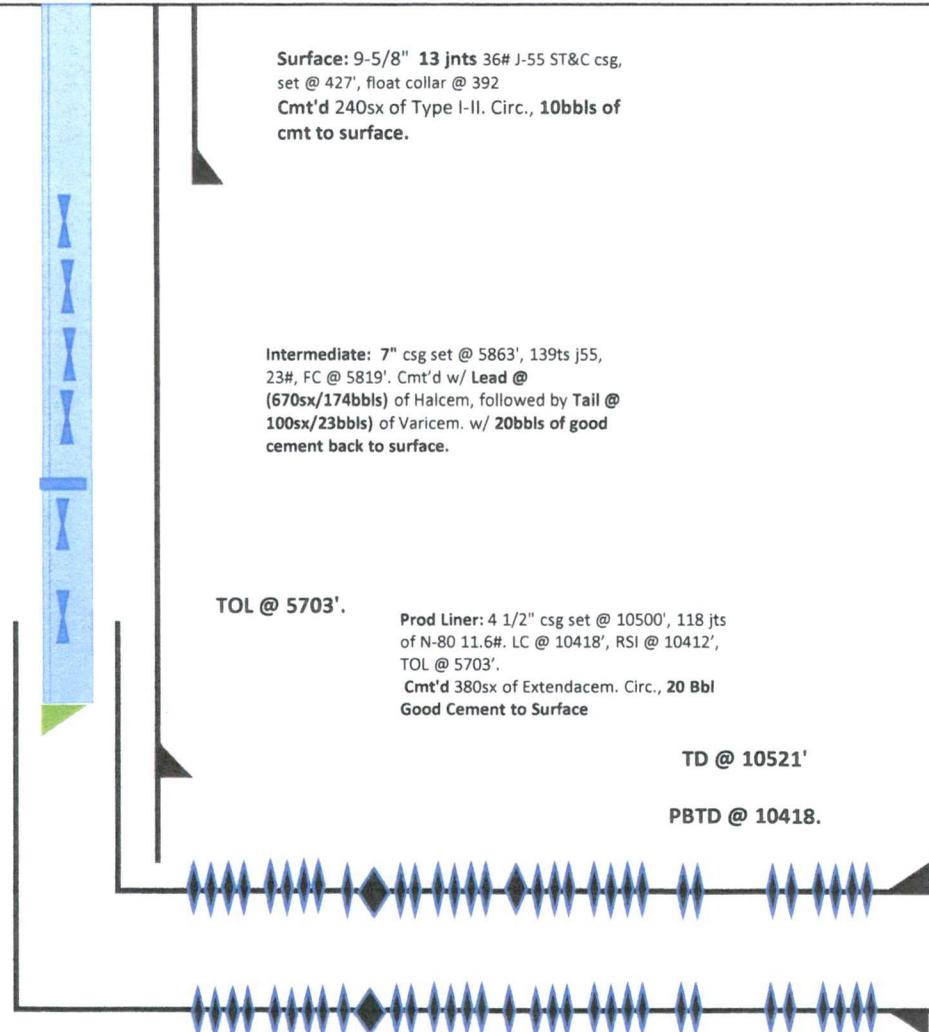
PBTD @ 10418.

Landed well at 5782'. RIH w/ 14.5' KB as follows 1/2 MS, 185 jts of 2-7/8" 6.5# J55. **Packer set @ 5648', 6 GLV**



Enduring Resources

Perf'd w/ 4spf @ 5906'-10382', 0.40" diameter. Frac'd w/ 14 stages of 20/40 sand



DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137

Expires: January 31, 2018

5. Lease Serial No.
NMNM-18463

1a. Type of Well Oil Well Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Zones Hydraulic Fracturing
 Other: _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
Enduring Resources, LLC

8. Lease Name and Well No.
Chaco 2308-04P #150H

3. Address
332 Cr 3100 Aztec, NM 87410

3a. Phone No. (Include area code)
505-636-9743

9. API Well No.
30-045-35497

4. Location of Well (Report location clearly and in accordance with Federal requirements) *

AMENDED

10. Field and Pool or Exploratory
NAGEEZI GALLUP

11. Sec., T., R., M., on Block and Survey or Area
SEC 4 23N 8W

12. County or Parish
San Juan

13. State
NM

At surface

SHL: 1312' FSL & 285' FEL SEC 4 23N 8W
BHL: 393' FSL & 228' FEL SEC 3 23N 8W

14. Date Spudded
1/22/14

15. Date T.D. Reached
4/12/14

16. Date Completed 5/25/14
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6870'

18. Total Depth: 10521' MD 5222' TVD

19. Plug Back T.D.: 10418' MD 5222' TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit report)
Directional Survey? No Yes (Submit copy)

Form 3160-4
(June 2015)

UNITED STATES

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8", J-55	36	0	427' MD		240	222	surface	
8-3/4"	7", J55	23	0	5863' MD		822	3180	surface	
6-1/8"	4-1/2", N-80	11.6	5703'	10500' MD		380	1195	TOL 5703'	

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8", 6.5#, L-80 EUE 8rd	5782'	5648'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
GL 14th			5906'-6089'	.40	20	
GL 13th			6186'-6371'	.40	20	
GL 12th			6490'-6692'	.40	20	
GL 11th			6794'-6983'	.40	20	
GL 10th			7080'-7278'	.40	20	
GL 9th			7378'-7602'	.40	20	
GL 8th			7918'-7720'	.40	20	
GL 7th			8022'-8224'	.40	20	
GL 6th			8338'-8562'	.40	20	
GL 5th			8676'-8992'	.40	20	
GL 4th			9174'-9482'	.40	20	
GL 3rd			9600'-9810'	.40	20	
GL 2nd			9932'-10132'	.40	20	
GL 1st			10230'-10382'	.40	8	

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
5906'-6089'	GL 14 th stage with 265,000#, 20/40 PSA Sand
6186'-6371'	GL 13 th stage with 268,301#, 20/40 PSA Sand
6490'-6692'	GL 12 th stage with 270,300#, 20/40 PSA Sand
6794'-6983'	GL 11 th stage with 268,927#, 20/40 PSA Sand
7080'-7278'	GL 10 th stage with 219,700#, 20/40 PSA Sand
7378'-7602'	GL 9 th stage with 211,000#, 20/40 PSA Sand
7918'-7720'	GL 8 th stage with 211,140#, 20/40 PSA Sand
8022'-8224'	GL 7 th stage with 217,200#, 20/40 PSA Sand
8338'-8562'	GL 6 th stage with 218,160#, 20/40 PSA Sand
8676'-8992'	GL 5 th stage with 215,049#, 20/40 PSA Sand
9174'-9482'	GL 4 th stage with 215,810#, 20/40 PSA Sand
9600'-9810'	GL 3 rd stage with 214,800#, 20/40 PSA Sand
9932'-10132'	GL 2 nd stage with 217,300#, 20/40 PSA Sand
10230'-10382'	GL 1 st stage with 217,300 # 20/40 PSA Sand

28. Production - Interval A

Date First Produced 5/29/14	Test Date 5/28/14	Hours Tested 24 hr	Test Production →	Oil BBL 330	Gas MCF 3307	Water BBL 850	Oil Gravity Corr. API.	Gas Gravity	Production Method Flowing
Choke Size 48/64"	Tbg. Press. Flwg. SI 680	Csg. Press. 740	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, fl and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
OJO ALAMO	994	1064			
KIRTLAND	1205	1265			
PICTURED CLIFFS	1687	1635			
LEWIS	1820	1747			
CHACRA	2115	2042			
CLIFF HOUSE	3250	3115			
MENEFEE	3001	3149			
POINT LOOKOUT	4112	3999			
GL	4389	4217			
GALLUP	4757	4579			

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions) *

Name (please print) Lacey Granillo Title Permit Specialist

Signature  Date 7/11/18