

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018JUN 06 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

Bureau of Land Management  
Field Office

5. Lease Serial No. NMSF078357

6. If Indian, Allottee or Tribe Name

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

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

ENDURING RESOURCES LLC

3a. Address 332 ROAD 3100 AZTEC NM 87410

3b. Phone No.

(505) 636-9722

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

1370 FNL 1290 FWL SWNW S 15, T 27N, R 9W LAT 36.578743 LONG -107.780380

8. Well Name and No. MARSHALL A 4

9. API Well No. 30-045-06538

10. Field and Pool or Exploratory Area  
FRUITLAND COAL11. Country or Parish, State  
SAN JUAN 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 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 checked="" 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 checked="" 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 recomplate 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 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 determined that the site is ready for final inspection.)

THIS WELL HAD A PUMP REPAIR AND CLEANOUT MAY 22 - MAY 25 2018 USING THE FOLLOWING PROCEDURE:

5/22/2018 MIRU. 70 psi csg. 0 psi tbg. 0 PSI BH. RU FB tank, blew down csg. Removed horses head.  
TOH w one 1.25in x 16 spray metal polish rod; one .75in X 4ft pony rod; one .75in X 6ft pony rod;  
70 -.75in slick rods, 12 -1.25in sinker bars; one 3ft pump stabilizer and 2in x 1.25in x13ft x 13ft  
RHAC-Z rod pump w 1ft strainer nipple. ND WH, NU BOP. Unseat tbg hanger. RU scanner truck.  
TOH w 64 jt. Found 17 Bad jts due to rod wear. 14 tested blue, 3 tested green.  
TOH w 6 drill collars, bit sub, X over and 46- 2.375in jts tbg. SDFN.

5/23/2018 PU 13 jts J-55 yellow band tbg. RIH, tagged fill @ 2089.24ft. Cleaned out to 2100ft, tagged bridge plug.  
Circulated well w air, water plus foam at 12 bbl per hr. POH w 7 jts, set above perms. Shut down air, water.  
Waited to see if fill comes in. RIH w 7 jts, tagged bridge plug, no fill came in. Started air pack, pump.  
Drilled out bridge plug. PU 3 jts 2.375in J-55 yellow band tbg. Cleaned out to 2195.98ft.  
Well circulating at 12bbls an hr. PU 3 jts up to 2100ft. Circulated half hr. Pumping only air last 10 min.  
Shut down air unit. RIH w 3 jts to 2195.78ft. No fill came in. POH w 5 stds, setting above perms. SDFN.

PLEASE SEE ATTACHED PAGE FOR REMAINDER OF PROCEDURE. ALSO ATTACHED IS A CURRENT WELL BORE DIAGRAM.

ACCEPTED FOR RECORD

JUN 14 2018

FARMINGTON FIELD OFFICE

By: *[Signature]*

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

APRILE POHL

REGULATORY SPECIALIST

Title

Signature

*Aprile Pohl*

Date

6/6/18

## 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.

(Instructions on page 2)

NMOCD

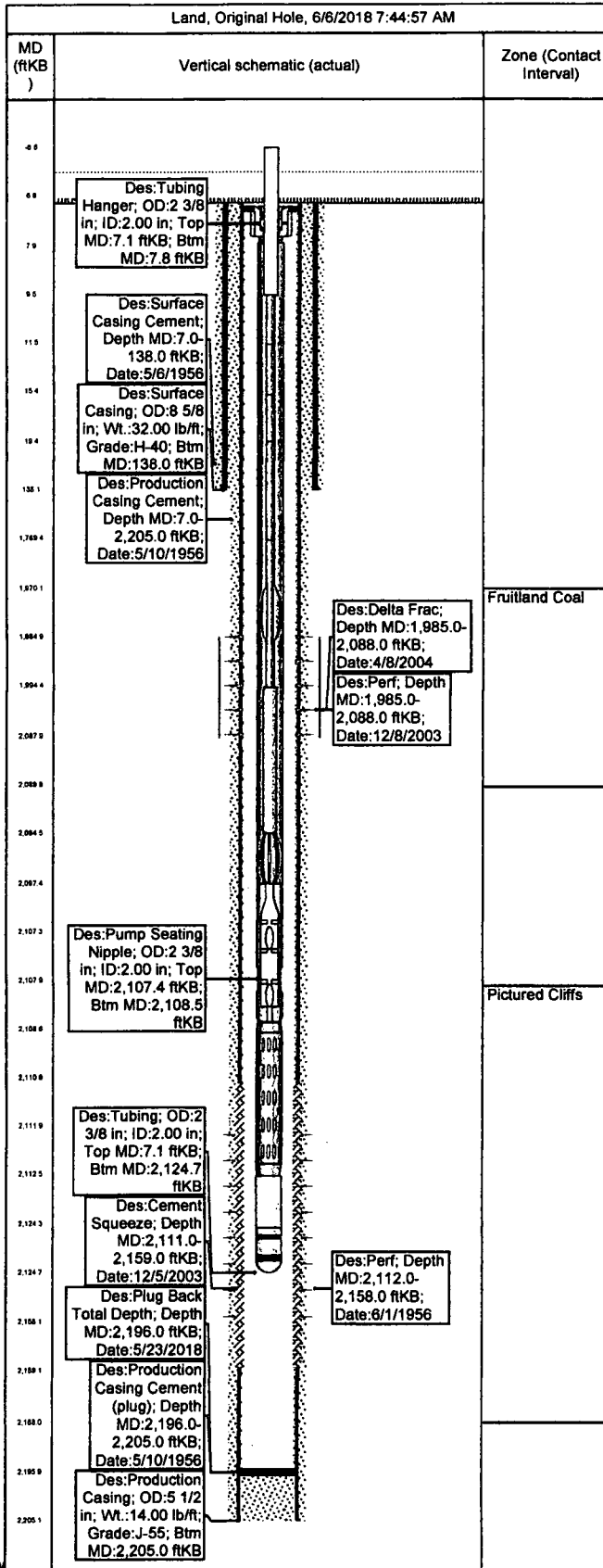
Remainder of procedure:

5/24/2018 RIH w 5 stds, tagged up @ 2195.78ft. No fill. POH tbg, LD drill collars, xover, bit sub and bit.  
RIH w one-.35 COLLAR, one-11.80 pony jt, one-4.10 perf sub, one - 1.10 S/N, 66 jts 2.375in J55  
yellow band tbg. Landed well @ 2127.72ft. ND BOP, NU WH.  
RIH w one -2X1.25in 4X10 RHAC rod pump w 1ft strainer, one 3ft pump stabilizer, four 1.25in  
sinker bars, nine -.75in, 4 per guided rods, 70-.75in slick rods, two 6-2ft .75in pony rods,  
one- 4ft .75in pony rod and one 1.25in spray metal polished rod.  
Loaded tbg w 6 bbl, pressure test to 500 psi. Good test. Stroked pump w rig to 300 psi twice, test good.  
Installed horses head, slow gear rod rotator, hung off polished rod. Put well on prod. SDFN.

5/225/18 RDMO.

## Well Name: Marshall A-4

API/UWI 3004506538	Surface Legal Location Sec 15, Twp 27N, Rng 9W	Field Name Blanco Mesa Verde	License # 000000	State/Province New Mexico	Well Configuration Type Land
Original KB Elevation (ft) 6,112.00	KB-Tubing Head Distance (ft)	Spud Date 5/6/1956 00:00	Rig Release Date 6/1/1956 00:00	PBTD (All) (ftKB) Original Hole - 2,196.0	Total Depth All (TVD) (ftKB)



## Casing Strings

Csg Des	OD (in)	WT/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)
Surface Casing	8 5/8	32.00	H-40		7.0	138.0
Production Casing	5 1/2	14.00	J-55		7.0	2,205.0

## Cement

Description	Comment
Surface Casing Cement	150 sx cmt
Production Casing Cement	150 sx cmt
Cement Squeeze	25 sx Class B cmt

## Tubing Strings

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
Tubing	5/24/2018	2,117.67	2,124.7

Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade	WT (lb/ft)
1	Tubing Hanger	2 3/8	0.75	7.0	7.8		
66	Tubing	2 3/8	2,099.57	7.8	2,107.4	J-55	4.60
1	Pump Seating Nipple	2 3/8	1.10	2,107.4	2,108.5		
1	Perforated Joint	2 3/8	4.10	2,108.5	2,112.6		
1	Tail Joint	2 3/8	11.80	2,112.6	2,124.4		
1	Bull Plug	2 3/8	0.35	2,124.4	2,124.7		

## Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Rod String	5/24/2018	2,115.00	2,108.5

Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Polished Rod	1 1/4	16.00	-6.5	9.5
1	Pony Rod	3/4	2.00	9.5	11.5
1	Pony Rod	3/4	4.00	11.5	15.5
1	Pony Rod	3/4	4.00	15.5	19.5
70	Sucker Rod	3/4	1,750.00	19.5	1,769.5
9	Guided Rod	3/4	225.00	1,769.5	1,994.5
4	Sinker Bar	1 1/4	100.00	1,994.5	2,094.5
1	Rod Centralizer	1 1/4	3.00	2,094.5	2,097.5
1	Rod Pump w strainer	2	11.00	2,097.5	2,108.5

## Perforations

Zone	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Nom Hole Dia (in)
Fruitland Coal, Original Hole	12/8/2003	1,985.0	2,088.0			
Pictured Cliffs, Original Hole	6/1/1956	2,112.0	2,158.0			

## Stimulation Intervals

Zone	Interval Number	Start Date	Top (ftKB)	Btm (ftKB)	Vol Slurry Total (bbl)	Proppant Total OR (lb)
Fruitland Coal, Original Hole	1	4/8/2004	1,985.0	2,088.0	0.00	155,000.0

## Stimulation Intervals

Zone	Interval Number	ISIP (psi)	P Breakdown (psi)	P Treat Max (psi)	P Treat Avg (psi)	Frac Gradient (psi/ft)
Fruitland Coal, Original Hole	1					

## Fluid Systems

Interval Number	Fluid Name	Fluid Type	Vol (bbl)