

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FEB 21 2019

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.
SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM03151
2. Name of Operator ENDURING RESOURCES		6. If Indian, Allottee or Tribe Name
3a. Address 200 ENERGY COURT FARMINGTON NM 87401	3b. Phone No. (include area code) 505-636-9722	7. If Unit of CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 790 FSL, 790 FWL S 3, T 27N, R 12W		8. Well Name and No. FEDERAL 3 S COM 1
		9. API Well No. 30-045-06779
		10. Field and Pool or Exploratory Area BASIN DAKOTA
		11. 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 checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <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 checked="" 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"/> Water Shut-Off <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity <input type="checkbox"/> Recomplete <input type="checkbox"/> Other <input type="checkbox"/> Temporarily Abandon <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 recomplete 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 has been plugged and abandoned 2/15/19

2/11/19- MIRU. Check PSI on well: 2 3/8" tbg 120 psi, 4 1/2" csg 10 psi, BH 0 psi. Blow down well. ND WH, NU BOP. Pull tbg hanger. TOO H, tally 98 stds. TIH to 6031', PUH to 5968'. SDFN.

2/12/19- RU pump to tbg, load and est circulation w/75 bbls (pumped 95 bbl total). PT csg to 800 psi, test good. Run CBL. Found good cmt 6015' to 3010' and 1678' to 470'. SDFD.

2/13/19- RU pump to tbg, PT tbg to 1000 psi, test good. Open well.

Plug 1: Dakota top - M&P 12 sx class G cmt from 5864' to 6015' TOC.

Plug 2: Gallup top - M&P 12 sx class G cmt from 4949' to 5100' TOC.

Plug 3: Mancos top - M&P 13 sx class G cmt from 4109' to 4272' TOC. TOO H - PUH and LD tbg to 2347'.

See remainder of procedure on attached page.

4. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <i>April E Pohl</i>	Title <i>Regulatory Specialist</i>
Signature <i>April E Pohl</i>	Date <i>2/20/19</i>

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Dave Mankiewicz</i>	Title <i>AFM</i>	Date <i>4/8/19</i>
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 <i>FFO</i>	

NMOCB AV

Remainder of plug and abandon procedure:

2/14/19- RU WL, RIH w/3-1/8" HSC to 2397'. Perf 3 holes. RU pump to csg, rate of 1 bpm @ 1100 psi. RD WL.
BLM and OCD requested to change surface plugs # 4 & 5 to inside/outside plugs.

Plug 4: Mesaverde Top, M&P 52 sxs, class G cmt from 2247' to 2397' TOC, w/ 40 sxs in annulus, 4 sxs below, 8 sxs above.

RU, RIH w/ 3 1/8" HSC to 2000'. Perf 3 holes. RU pump to csg attempt to get a rate. Can't pressure up to 1200 psi. Wait on orders from BLM/OCD. Brandon P w/OCD and Jimmy D w/BLM approve to set balanced plugs and WOC. RD WL. TIH to 2050', RU pump to tbg, load and establish circulation w/ 1 bpm.

Plug 5: Chacra top, M&P 36 sx class G cmt from 1798' to 2050' TOC.

2/15/19- TIH, tag plug #5 @ 1798', tag good. PUH and LD tbg to 1520'. *BLM approved to combine PC and FRLDC plugs*

Plug 6: (PC and FC tops) M&P 36 sx class G cmt from 1067' to 1520' TOC.

RU WL, RIH w/ 3-1/8" HHSC to 392'. Perf 4 holes, RU pump to csg, load and est circulation out BH w/ 5 bbl, pumped 30 bbl total. RD WL.

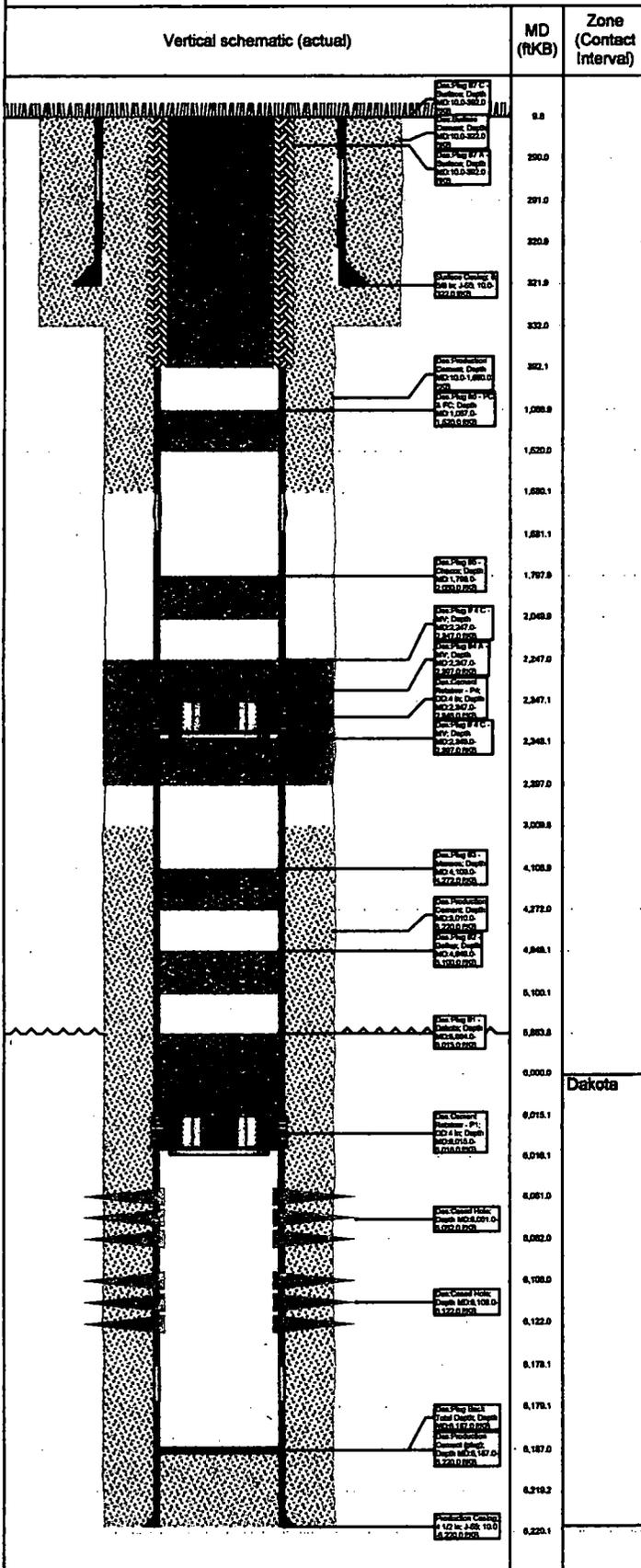
Plug 7: (Surface) M&P 125 sx class G cmt from 392' to surface until good cmt returns w/ 32 sx in 4-1/2" csg and 93 sx in annulus.

Welder cut off wellhead. Found TOC @ surface in csg and annulus. Weld on DHM plate. RDMO.

Well Name: **Federal 3S Com 1**

API/UVI 30-045-06779	State/Province New Mexico	County San Juan	Surface Legal Location (Unit M) Section 3, Twp 27N, Rng 12W			
Spud Date 9/3/1962	On Production Date 10/1/1962	Abandon Date 2/15/2019	Original KB Elevation (ft) 5,853.00	Ground Elevation (ft) 5,843.00	Total Depth (All) (ftKB) Original Hole - 6,220.0	P8TD (All) (ftKB) Original Hole - 6,187.0

Land, Original Hole, 2/20/2019 11:23:06 AM



Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Surface Casing	8 5/8	24.00	J-55	10.0	322.0
Production Casing	4 1/2	9.50	J-55	10.0	6,220.0

Cement

Description	Comment
Surface Cement	325 sx cmt, TOC: surface
Production Cement	Cmt'd w/ 1154 sx in 2 stages.
Plug #1 - Dakota	12 sx class G cmt - 5864' - 6015'
Plug #2 - Gallup	12 sx class G cmt - 4949' - 5100'
Plug #3 - Mancos	13 sx class G cmt - 4109' - 4272'
Plug #4 A - MV	40 sx class G cmt in annulus - 2247' - 2397'
Plug #4 C - MV	4 sx class G cmt below cement retainer and 8 sx above - 2247' - 2397'
Plug #5 - Chacara	36 sx class G cmt - 1798' - 2050'
Plug #6 - PC & FC	36 sx class G cmt - 1067' - 1520'
Plug #7 A - Surface	93 sx class G cmt in annulus - 10' - 392'
Plug #7 C - Surface	32 sx class G cmt - 10' - 392'

Tubing Strings

Tubing Description	Run Date	String Length (ft)		Set Depth (ftKB)		Wt (lb/ft)
Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade

Rod Strings

Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)	
Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)

Other Strings

String Description	Run Date	String Length (ft)		Set Depth (ftKB)	

Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Nom Hole Dia (in)
2/14/2019	2,397.0	2,397.0	3.0	
8/11/1994	6,061.0	6,082.0	4.0	
8/11/1994	6,106.0	6,122.0	4.0	