

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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 reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. ELLIOTT EM 20 FEDERAL 4 ✓
2. Name of Operator APACHE CORPORATION ✓ Contact: REESA FISHER E-Mail: Reesa.Fisher@apachecorp.com		9. API Well No. 30-025-41444 ✓
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1062	10. Field and Pool, or Exploratory WANTZ; ABO
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T22S R37E SENW 2310FNL 2310FWL ✓		11. County or Parish, and State LEA COUNTY COUNTY, NM

**12. CHECK 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"/> Fracture Treat	<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 checked="" type="checkbox"/> Temporarily Abandon (Per Operator)	
	<input type="checkbox"/> Convert to Injection	<input checked="" 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Apache was rigged up on this well and encountered the need to call in for verbal approval of the following (with attached WBD's):

RIH with tubing, CIBP, and cement. Set CIBP @ ?6657?. PU and dump 50? of cement on top of CIBP. Contact the BLM field office at Carlsbad, NM to schedule a time to witness the tag on plug. Circulate wellbore to prevent corrosion while WOC. RIH and tag top of cement @ ?6607?. POOH and RDMO pulling unit.

Verbal approval was given by Kenneth Rennick with the stipulation that an NOI be submitted ASAP.

Temporarily Abandonment Approved for 1-Year

14. I hereby certify that the foregoing is true and correct. Electronic Submission #322278 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Hobbs Committed to AFMSS for processing by KENNETH RENNICK on 11/03/2015 ()	
Name (Printed/Typed) REESA FISHER	Title SR STAFF REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/03/2015
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	
Approved By _____	Title _____
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.	

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*****Accepted for Record Only**

11/12 2015

NOV 18 2015

**Elliot EM 20 Federal 4  
30-025-41444  
Apache Corporation  
Conditions of Approval**

**Notify BLM at 575-393-3612 (Lea County) a minimum of 24 hours prior to commencing work. Or as soon as possible if work is planned to be done within 24 hours of receiving this approval.**

**Work to be completed by February 4, 2016.**

1. Temporary Abandonment (TA) approved for 1-year from date of approval.
2. Operator approved to set a CIBP at 6657-feet and 50-feet of cement as a cap as proposed to abandoned the ABO. Tagged is required which shall be witnessed by BLM.
3. Must conduct a mechanical integrity test before the date indicated above. BLM should be notified to witness this test as well. Test should be run for 30 minutes. Submit results to BLM. The MIT is to be performed as proposed. Notify BLM if test fails. Document the pressure test on a one hour full rotation calibrated recorder chart registering within 25 to 85 per cent of its full range.
4. Closed loop system required.
5. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
6. Operator to have H2S monitoring equipment on location.



7. A minimum of a 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
8. **Subsequent sundry required detailing work done as well as a copy of the recorder chart. Operator to include well bore schematic of current well condition when work is complete.**

**KGR 11032015**



Rennick, Kenneth <krennick@blm.gov>

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## NOI TO TA ABO: ELLIOTT EM FEDERAL 20 #4 (30-025-41444)

3 messages

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**Fisher, Reesa** <Reesa.Fisher@apachecorp.com>

Tue, Nov 3, 2015 at 8:03 AM

To: "krennick@blm.gov" <krennick@blm.gov>

Cc: "Bower, Jacob" <Jacob.Bower@apachecorp.com>, "Dean, Heath" <Heath.Dean@apachecorp.com>, "Goff, Chris" <Chris.Goff@apachecorp.com>, "Owens, Vicki" <Vicki.Owens@apachecorp.com>

Good morning, Mr. Rennick! Per your discussions with Jacob Bower, I have submitted the NOI to TA the Abo into WIS. Attached is the confirmation of submission. Copies of current and proposed WBD's are attached in your system, though they don't show up in our confirmation e-mails. Please let me know if you require anything further.

Thank you! – Reesa ☺

**REESA FISHER**

SR STAFF REGULATORY ANALYST

New Mexico Assets

direct 432-818-1062 | 6325C

**APACHE CORP.**

303 Veterans Airpark Lane, Suite 1000

Midland, Texas 79705  
U.S.A. - ApacheCorp.com

-----Original Message-----

From: wis-submission@blm.gov [mailto:wis-submission@blm.gov]

Sent: Tuesday, November 03, 2015 8:50 AM

To: Fisher, Reesa <Reesa.Fisher@apachecorp.com>

Subject: EC Document Submitted

Your EC Transaction 322278, Serial Number 852-201, was submitted to the Hobbs, NM BLM Office. You may wish to view this action by clicking [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_www.blm.gov\\_wispermits\\_wis\\_SP\\_show-2Dform.do-3FFormId-3D852-26FormInstanceNumber-3D201&d=CwICAg&c=dbuucrGls9xXk6Z5aWDgzQ&r=m0facUXBHEX6nM-E7cYuAKfaAhGCu5hKY5DDOGdsa3I&m=Td0USe1Ob1x4gbQGABh0vg5Po\\_l6ZlAeNNtIR3XqfY0&s=G5YbVvk84xPXS2wzm-jqfYnH1uE\\_jAF0irhlyN\\_mt\\_68&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.blm.gov_wispermits_wis_SP_show-2Dform.do-3FFormId-3D852-26FormInstanceNumber-3D201&d=CwICAg&c=dbuucrGls9xXk6Z5aWDgzQ&r=m0facUXBHEX6nM-E7cYuAKfaAhGCu5hKY5DDOGdsa3I&m=Td0USe1Ob1x4gbQGABh0vg5Po_l6ZlAeNNtIR3XqfY0&s=G5YbVvk84xPXS2wzm-jqfYnH1uE_jAF0irhlyN_mt_68&e=).



**WIS\_PRINT\_SUBMITTED\_322278.pdf**

7K

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Rennick, Kenneth <krennick@blm.gov>

Tue, Nov 3, 2015 at 9:10 AM

To: "Fisher, Reesa" <Reesa.Fisher@apachecorp.com>

Cc: "Bower, Jacob" <Jacob.Bower@apachecorp.com>, "Dean, Heath" <Heath.Dean@apachecorp.com>, "Goff, Chris" <Chris.Goff@apachecorp.com>, "Owens, Vicki" <Vicki.Owens@apachecorp.com>

Hello Ms. Reesa Fisher,

I hope all is well!

In the Sundry, the Plug Back action was checked not the Temporary Abandonment. Please confirm that it should actually be checked the Temporary Abandonment action, and I will correct this in the notification.

Also, if you may provide a brief official explanation for the Temporary Abandonment that will be appreciated. As well as provide any future timeline that Apache may have for the well. You can send this additional information via email with the confirmation of the Temporary Abandonment action.

Best Regards,

Kenneth Rennick

[Quoted text hidden]

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Kenneth Rennick

Petroleum Engineer  
Bureau of Land Management  
Carlsbad Field Office  
(575) 234-5964  
[krennick@blm.gov](mailto:krennick@blm.gov)

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**Fisher, Reesa** <Reesa.Fisher@apachecorp.com>

Tue, Nov 3, 2015 at 9:41 AM

To: "krennick@blm.gov" <krennick@blm.gov>

Cc: "Bower, Jacob" <Jacob.Bower@apachecorp.com>, "Dean, Heath" <Heath.Dean@apachecorp.com>, "Goff, Chris" <Chris.Goff@apachecorp.com>

Hello, again, Mr. Rennick! Yes, the TA should have been checked . . . I scrolled down that list and thought I checked it, but maybe I clicked wrong! ☺ Sorry about that!

Attached please find the explanation and path forward from Jacob, as requested.

Thanks so much! – R ☺

**REESA FISHER**

SR STAFF REGULATORY ANALYST

New Mexico Assets

direct 432-818-1062 | 6325C

**APACHE CORP.**

303 Veterans Airpark Lane, Suite 1000

Midland, Texas 79705  
U.S.A. - [ApacheCorp.com](http://ApacheCorp.com)



**From:** Bower, Jacob  
**Sent:** Tuesday, November 03, 2015 10:26 AM  
**To:** Fisher, Reesa <Reesa.Fisher@apachecorp.com>  
**Cc:** Dean, Heath <Heath.Dean@apachecorp.com>; Goff, Chris <Chris.Goff@apachecorp.com>  
**Subject:** RE: NOI TO TA ABO: ELLIOTT EM FEDERAL 20 #4 (30-025-41444)

Reesa,

Attached is a brief description detailing the reason for the temporary abandonment with an explanation of our future intentions for the well. Please let me know if this will suffice, or if additional details are necessary.

Thanks,

**JACOB BOWER**

*direct 432-818-1961 | mobile 918-671-2575 | office 6204A*

**From:** Rennick, Kenneth [mailto:krennick@blm.gov]  
**Sent:** Tuesday, November 03, 2015 10:11 AM  
**To:** Fisher, Reesa <Reesa.Fisher@apachecorp.com>  
**Cc:** Bower, Jacob <Jacob.Bower@apachecorp.com>; Dean, Heath <Heath.Dean@apachecorp.com>; Goff, Chris <Chris.Goff@apachecorp.com>; Owens, Vicki <Vicki.Owens@apachecorp.com>  
**Subject:** Re: NOI TO TA ABO: ELLIOTT EM FEDERAL 20 #4 (30-025-41444)

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**E. M. Elliott Federal 20 #4 ABO TA Explanation.docx**  
12K

**E. M. Elliott Federal 20 #4 TA Explanation**

**API: 30-025-41444**

The E. M. Elliott Federal 20 #4 has been pulled twice for a hole in tubing over the past 4 months. The first pull, which occurred in July, revealed extreme corrosion on the tubing and rods. Apache attempted to control this issue with a robust chemical program. This well was again pulled in October, once again for a suspected hole in tubing, and even more severe corrosion was encountered resulting in over half of the tubing string being unusable.

Such severe corrosion results in the well no longer being economic to produce from the current zone. Therefore Apache would like to TA the well until such time as a chemical program can be determined which can mitigate the corrosion problems, or suitable uphole potential can be identified to allow Apache to recomplete the well uphole.

E. M. Elliott Federal 20 #4 TA procedure

API: 30-025-41444

Summary: TA Abo Formation

Day 1/2:      RIH with tubing, CIBP, and cement. Set CIBP @  $\pm 6657'$ . PU and dump 50' of cement on top of CIBP. Contact the BLM field office at ~~Carlsbad~~ Hobbs, NM to schedule a time to witness the tag on plug. Circulate wellbore to prevent corrosion while WOC. RIH and tag top of cement @  $\pm 6607'$ . POOH and RDMO pulling unit.



- PROPOSED -

WELL DATA SHEET

Last Update: 12-9-14

Lease Name: EM Elliott 20 Fed #4

API No: 30-025-41447

Location: 2310 N/2310 W  
Unit F, Sec 20, T-22S R-37E

County: Lea ST: NM

Spud Date: 9-11-14 Well Elev: 3382' GL 11' KB

TD Date: 9-18-14 Completion Date: 11-6-14

TD: 7524' PBD: 7000' TOC: 38' (CDL)

Csg Size: 8 5/8" Wt: 24<sup>#</sup> Grd: J-55 Dpth: 1205' Cmt: 425 sx (Circ)

Producing Formation: Abo

Perfs: From 6707' to 6918' 1 spf

to 1 spf to

IP: BOPD BWPD MCF/D

Well History:

Well Equipment:

Pumping Unit:

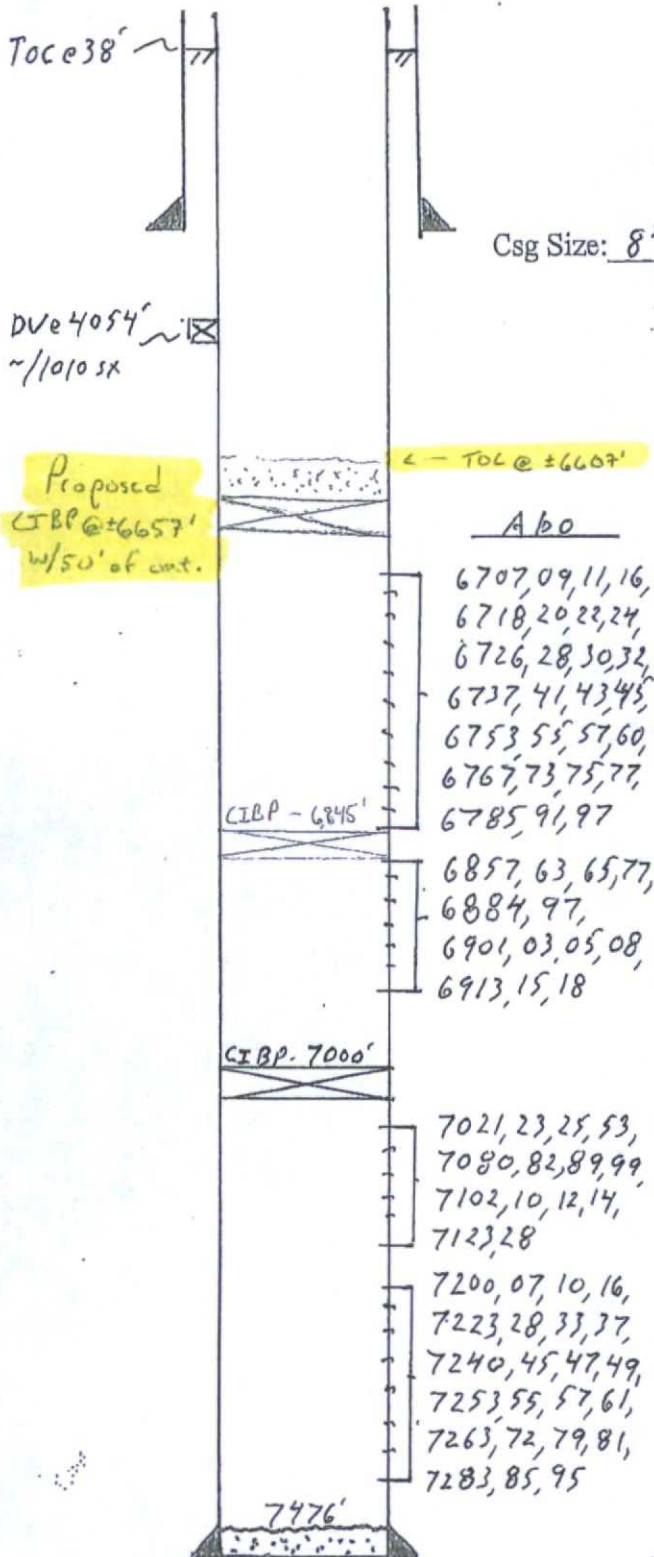
Motor Type:  HP:  POC:

Tbg:  Jts  Size  Grade

MA @  SN @  TAC @

Rods:

Pump:



Csg Size: 5 1/2" Wt: 17<sup>#</sup> Grd: L-80 Dpth: 7524' Cmt: 552 sx (Circ)

DV tool @ 4054' w/1010 sx

- CURRENT -

WELL DATA SHEET

Last Update: 12-9-14

Lease Name: EM Elliott 20 Fed #4

API No: 30-025-41444

Location: 2310' N / 2310' W  
Unit F, Sec 20, T-22S, R-37E

County: Lea ST: NM

Spud Date: 9-11-14 Well Elev: 3382' GL 11' KB

TD Date: 9-18-14 Completion Date: 11-6-14

TD: 7524' PBDT: 7000' TOC: 38' (C04)

Csg Size: 8 5/8" Wt: 24<sup>#</sup> Grd: J-55 Dpth: 1205' Cmt: 425 sx (Circ)

Producing Formation: Abo

Perfs: From 6707' to 6918' /spf 1

to          /spf          to         

Abo IP:          BOPD          BWPD          MCF/D

Well History:         

6707, 09, 11, 16,

6718, 20, 22, 24,

6726, 28, 30, 32,

6737, 41, 43, 45,

6753, 55, 57, 60,

6767, 73, 75, 77,

6785, 91, 97

6857, 63, 65, 77,

6884, 97,

6901, 03, 05, 08,

6913, 15, 18

CIBP - 6845'

CIBP - 7000'

7021, 23, 25, 53,

7080, 82, 89, 99,

7102, 10, 12, 14,

7123, 28

7200, 07, 10, 16,

7223, 28, 33, 37,

7240, 45, 47, 49,

7253, 55, 57, 61,

7263, 72, 79, 81,

7283, 85, 95

7476'

TD: 7524'

Well Equipment:

Pumping Unit:         

Motor Type:          HP:          POC:         

Tbg:          Jts          Size          Grade         

MA @          SN @          TAC @         

Rods:         

Pump:         

Csg Size: 5 1/2" Wt: 17<sup>#</sup> Grd: L-80 Dpth: 7524' Cmt: 552 sx (Circ)

DV 1001 e 4054' w / 1010 sx

