

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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. NMNM014378
2. Name of Operator ENDURING RESOURCES LLC		6. If Indian, Allottee or Tribe Name
3a. Address 511 16TH STREET, SUITE 700 DENVER, CO 80202		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 505-333-1941		8. Well Name and No. H J LOE FEDERAL B 3E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T29N R12W SWSE 1100FSL 2000FEL 36.707687 N Lat, 108.066055 W Lon		9. API Well No. 30-045-24555-00-C1
		10. Field and Pool or Exploratory Area BASIN DAKOTA FULCHER KUTZ PICTURED CLIFFS
		11. County or Parish, State SAN JUAN COUNTY, NM

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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 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 RE-PLUGGED AND ABANDONED.

Plug #1 - Kirtland, and Ojo Alamo tops: mix, pump 75 sxs (88.5 cu/ft) 15.6#, Class B cmt 572ft to 490ft. Tag at 477ft.

Plug #2 - Ojo Alamo top: mix, pump 50 sxs (59.00 cu/ft) 15.6#, Class B cmt 477ft to surface.

Plug #3 ? Surface: mix, pump 30 sxs (35.4 cu/ft) 15.5#, Class B cmt from 84ft to surface w 7 sxs in 4.5in csg, 23 sxs in annulus; circulate good cmt returns. Set DHM with 30 sxs cement. 8/14/2017

MIRU. RU pulling unit, unload BOP, RU pumping equip. Well pressures: 4.5in csg-0 psi, BH was left open, shut in. ND wellhead. NU BOP, RU equipment.

RU power swivel. PU 3.125in DC, bit sub, 3.875in tri-cone bit. (checked BH psi: 2 hr shut in built up to 10 psi). Start drilling to 21ft, circ clean. POOH. SIW. Checked BH: built up to 18 psi. SWIFN.

OIL CONS. DIV DIST. 3

SEP 25 2017

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #389188 verified by the BLM Well Information System

For ENDURING RESOURCES LLC, sent to the Farmington

Committed to AFMSS for processing by ABDELGADIR ELMADANI on 09/21/2017 (17AE0273SE)

Name (Printed/Typed) APRIL E POHL

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 09/20/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

ACCEPTED

ABDELGADIR ELMANDANI  
Title PETROLEUM ENGINEER

Date 09/21/2017

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 Farmington

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 \*\***

Submitted by Four star oil & Gas  
AFMSS changed to Enduring Resources see pg 3  
NMOCD

**Additional data for EC transaction #389188 that would not fit on the form**

**32. Additional remarks, continued**

8/15/2017

Check well pressure: no tbg., 4.5in csg.-0 psi, BH-32 psi. Start drilling: 21ft to 220ft w 6-3.1250in DC, 1-2.375in, EUE tbg jt. Circ. well clean. PUH. SWIFN.

8/16/2017

Check well pressures: 2.875in tbg., 4.5in csg.-0 psi, BH-34 psi. PU 1 jt, est. circ. w 1 BBL; start drilling from 220ft.

Drilled 220ft to 569ft w 11 jts total averaging 1 hr per jt on each connection. Circ. well clean. SWIFN.

CONTINUED ON ATTACHMENT.

# Revisions to Operator-Submitted EC Data for Sundry Notice #389188

## Operator Submitted

Sundry Type: ABD  
SR

Lease: NMNM014378

Agreement:

Operator: FOUR STAR OIL & GAS COMPANY  
332 ROAD 3100  
AZTEC, NM 87410  
Ph: 505-333-1941

Admin Contact: APRIL E POHL  
AUTHORIZED REPRESENTATIVE  
E-Mail: April.Pohl@chevron.com

Ph: 505-333-1941

Tech Contact: APRIL E POHL  
AUTHORIZED REPRESENTATIVE  
E-Mail: April.Pohl@chevron.com

Ph: 505-333-1941

Location:  
State: NM  
County: SAN JUAN COUNTY

Field/Pool: BASIN DAKOTA/FULCHER KUTZ

Well/Facility: HJ LOE FEDERAL B 3E  
Sec 23 T29N R12W SWSE 1000FSL 2000FEL  
36.707687 N Lat, 108.066055 W Lon

## BLM Revised (AFMSS)

ABD  
SR

NMNM014378

ENDURING RESOURCES LLC  
511 16TH STREET, SUITE 700  
DENVER, CO 80202  
Ph: 3035731222

APRIL E POHL  
AUTHORIZED REPRESENTATIVE  
E-Mail: April.Pohl@chevron.com

Ph: 505-333-1941

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NM  
SAN JUAN

BASIN DAKOTA  
FULCHER KUTZ PICTURED CLIFFS

H J LOE FEDERAL B 3E  
Sec 23 T29N R12W SWSE 1100FSL 2000FEL  
36.707687 N Lat, 108.066055 W Lon

8/17/2017

Check well pressures: 2.875in tbg.-0 psi, 4.5in csg.-0 psi, BH-46 psi. Open well and bleed off BH; left open.

PU 1 jt w power swivel, 2.375in tbg to 569ft, est. circ. w 1 BBL. Drilling from 569ft to 575ft.

Circ. clean w 12 BBLs fresh; LD 1 jt. RD power swivel. TOOH w 6 stds 2.375in tbg, LD 3.1250in DCs, LD bit sub and 3.875in cone bit.

RU WL. Perforate 4 3.1250in HSC at 572ft. Est inject rate of 1 BPM @ 600psi. RD WL. (notified Brandon Powell w/NMOCD advised to pump and locked up cmt plug)

8/18/2017

Well press: no tbg, 4.5in csg.-0 psi, BH-30 psi, open BH, SHUT BACK IN. RU WL, RIH; tag TOC @439ft. POOH, RD.

TIH w 6 stds, 3 jts to 477ft; RU pump to tbg. Circ clean w 10 BBLs. Attempt to PT csg to 800 psi, bleed off 40 psi in 15 psi.

Wait on orders (Brandon Powell w NMOCD advised to let BH vent over weekend, Chevron requested to get gas sample until BH psi builds up over 20 psi). SWIFN.

8/21/2017

Shut in BH for day; checking pressure before leaving location which was 8 psi. (Stand by for gas results on BH)

8/22/2017

Well pressures: no tbg, 4.5in csg-0 psi, BH-21 psi, open well.

RU BlueJet WL. Attempt to RIH w 3.1250in Ozie perf gun; tag @453ft. POOH. RD WL

PU plugging sub, TIH 15 jts to 477ft, LD 1 jt. TOOH w 7 stds, LD plugging sub. PU 4.5in string mill; TIH, tag up @453ft.

Work string mill down from 453ft to 477ft. RU pump to tbg; clean well w 10 BBLs. TOH and LD string mill.ft

Spot Plug #2.

RU pump to csg, hesitate squeeze w 1000 psi every 30 mins, first 2 hesitations bumped to 1000 psi, bleed down to 800 psi, last bump bleed down to 900 psi, bumped up to 1000 psi, SIWFN.

8/23/2017

Well pressures: no tbg., 4.5in csg.-0 psi, BH-13 psi, open well.

RU WL. Perf w 3.1250in HSC @84ft. PUH, perf 2 holes @ 46ft. POOH. Est circ out BH w 1 BBL then pumped 5 BBLs total. RD WL. PU to 84ft.

Spot Plug #3.

Hesitate squeeze on 4.5in csg., 1st-1000# to 500#, 2nd-1000# to 750#, 3rd-1000# to 750#, 4th-1000# to 750#, 5th-1000# to 850#, 6th-1000# to 850#, 7th-1000# to 900#.

Bleed off pressure on 4.5in csg. Check BH-17 psi, after bleed down 4.5in dropped to 16 psi. Open BH; cleaned out valve. (SHUT IN BH AT THE END OF DAY) ND BOP. NU wellhead. SDFD.

8/24/2017

Well pressures: no tbg, 4.5in csg.-0 psi, BH-0 psi., open well. (Approved by Brandon Powell and BLM rep. to cut off WH).

RU cut off saw. Cut off WH; found TOC @ surface. Weld on DHM. RD cut off saw.

Mix and pump 30 sxs to top off DHM. Lat 36.715400 Long -108.081670. RDMO.



# H. Loe Federal B #3E

As P&A on 5/4/17

Basin Dakota / Fulcher Kutz Pictured Cliffs  
1100' FSL, 2000' FEL, Section 23O, T-29-N, R-12-W  
San Juan County, NM, API #30-045-24555

Today's Date: 518/17  
Spud: 9/29/80  
DK Completed: 10/31/80  
PC Completed: 10/1/92  
Elevation: 5583' GL  
5595' KB

Ojo Alamo @ 390'

12.25" hole

8-5/8" 24#, Casing set @ 481'  
Cement with 440 sxs.

Kirtland @ 566'

Fruitland @ 1247'

Pictured Cliffs @ 1608'

Chacra @ 2595'

Mesaverde @ 3143'

Mancos @ 4332'

Gallup @ 5225'

Dakota @ 5966'

7.875" hole

TD 6278'

Top off DHM with 30 sxs

Plug #3: 84' - 0'  
Class B cement, 30 sxs

Plug #2: 477' to surface; reverse  
circulate out. Class B cement, 50 sxs

Perforate @ 84' with 36 holes

Perforate @ 475' with 36 holes

Perforate @ 572' with 4 holes

Plug #1: 572' - 477'  
Class B cement, 75 sxs

Plug #4: 1670' - 1143'  
Class B cement, 40 sxs

Pictured Cliffs Perforations:  
1614' - 1656'

Plug #3: 3193' - 2468'  
Class B cement, 55 sxs  
(extra cement due to open  
perforations above plug)

DV Tool at 3264'  
2nd Stage: Cement with 1250 sxs

TOC @ 3970' (CBL 2017)

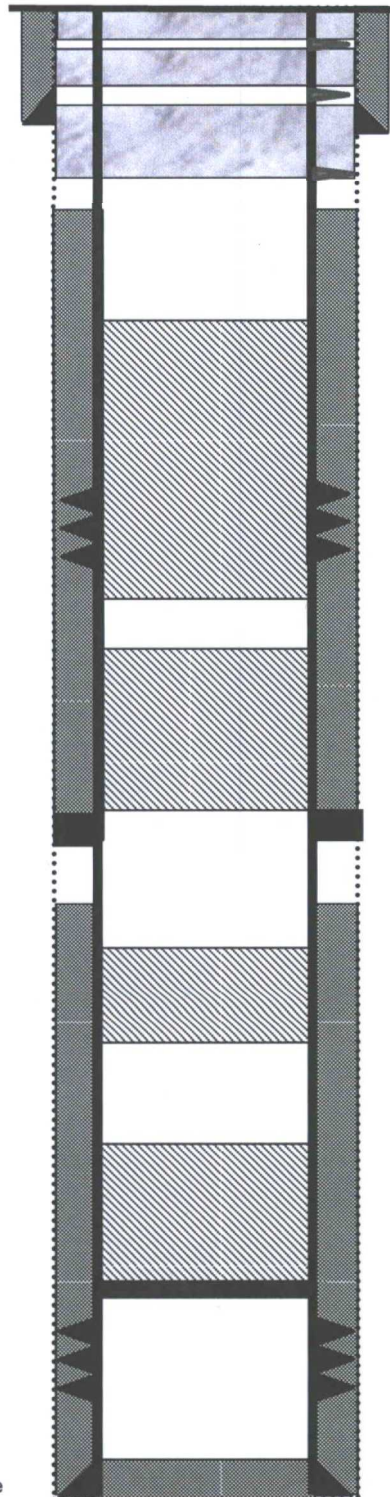
Plug #2: 4385' - 4227'  
Class B cement, 12 sxs

Plug #1: 6016' - 5120'  
Class B cement, 68 sxs

Set CR @ 6016'

Dakota Perforations:  
6066' - 6179'

4.5", 10.5#, Casing set @ 6278'  
1st Stage: Cement with 1200 sxs





2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622

Analysis No: CH170018  
Cust No: 74000-11735

### Well/Lease Information

Customer Name: CHEVRON TEXACO  
Well Name: H J LOE FEDERAL B #3E BHD  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.:

Source: BRADENHEAD  
Well Flowing: N  
Pressure: PSIG  
Flow Temp: DEG. F  
Ambient Temp: DEG. F  
Flow Rate: MCF/D  
Sample Method: Purge & Fill  
Date Sampled: 08/18/2017  
Sample Time: 2.13 PM  
Sampled By: LOREN WOODY  
Sampled by (CO): A-PLUS

Remarks: PRESSURED W/ HELIUM TO 30#

### Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.5771	0.1740	0.00	0.0153
CO2	0.0303	0.0050	0.00	0.0005
Methane	89.4225	15.1940	903.17	0.4953
Ethane	5.9970	1.6070	106.13	0.0623
Propane	2.0317	0.5610	51.12	0.0309
Iso-Butane	0.3813	0.1250	12.40	0.0077
N-Butane	0.1665	0.0530	5.43	0.0033
I-Pentane	0.1733	0.0640	6.93	0.0043
N-Pentane	0.0150	0.0050	0.60	0.0004
Hexane Plus	0.2053	0.0920	10.82	0.0068
Total	100.0000	17.8800	1096.60	0.6267

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025  
BTU/CU.FT IDEAL: 1099.1  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1101.9  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1082.7  
DRY BTU @ 15.025: 1124.0  
REAL SPECIFIC GRAVITY: 0.628

CYLINDER #: 6232  
CYLINDER PRESSURE: PSIG  
DATE RUN: 8/21/17 12:00 AM  
ANALYSIS RUN BY: CAMERON

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 08/21/2017

GC Method: C6+ Gas



CHEVRON TEXACO  
WELL ANALYSIS COMPARISON

Lease: H J LOE FEDERAL B #3E BHD  
Stn. No.:  
Mtr. No.:

BRADENHEAD

08/21/2017  
74000-11735

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Smpl Date: 08/18/2017  
Test Date: 08/21/2017  
Run No: CH170018  
Nitrogen: 1.5771  
CO2: 0.0303  
Methane: 89.4225  
Ethane: 5.9970  
Propane: 2.0317  
I-Butane: 0.3813  
N-Butane: 0.1665  
I-Pentane: 0.1733  
N-Pentane: 0.0150  
Hexane+: 0.2053  
BTU: 1101.9  
GPM: 17.8800  
SPG: 0.6280