Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Received
8/17/2020

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

5. Lease Serial No.
I149IND8463

6. If Indian, Allottee or Tribe Name
EASTERN NAVAJO

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NEAH VICTORIA 2

2. Name of Operator
ENDURING RESOURCES LLC
Contact: LACEY GRANILLO
E-Mail: lgranillo@enduringresources.com

9. API Well No.
30-045-06876-00-S1

3a. Address
1050 17TH STREET SUITE 2500
DENVER, CO 80265

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

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 1 T27N R9W SENE 1450FNL 0790FEL
36.607239 N Lat, 107.733017 W Lon

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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.

P&A

Enduring Resources requests to plug and abandon the above mentioned well per plugging procedure, wellbore diagram and reclamation plan.

KP

Notify NMOCD 24hrs
Prior to beginning
operations

CBL Required

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

Electronic Submission #517865 verified by the BLM Well Information System
For ENDURING RESOURCES LLC, sent to the Farmington
Committed to AFMSS for processing by HEATHER PERRY on 06/05/2020 (20HCP0008SE)

Name *(Printed/Typed)* LACEY GRANILLO — Title PERMITTING SPECIALIST

Signature (Electronic Submission) — Date 06/04/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JOE KILLINS — Title PETROLEUM ENGINEER — Date 08/14/2020

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 ****

AV

GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 **A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H_2S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of Intention to Abandon
Well: NEAH VICTORIA 2
API: **30-045-06876-00-S1**

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. If casing fails to test contact BLM Engineering. No changes are to be made to this approved Sundry without prior approval from the BLM.

4. Submit electronic copy of the CBL for verification to the following addresses: jkillins@blm.gov , jhoffman@blm.gov and Brandon.Powell@state.nm.us . Based on CBL results inside/outside plugs and volumes will be adjusted accordingly. Please review the General Requirements document to ensure volumes meet required excess inside and outside casing.

5. A Subsequent Report Sundry Notice (Form 3160-5) must be submitted within 30 days after plugging operations are complete.

BLM FLUID MINERALS
Geologic Report

Date Completed: 7/29/20

Well No.	Neah Victoria 2		Location	1450′ FNL	&	790′ FEL	
Lease No.	I149IND8463		Sec. 1	T27N		R9W	
Operator	Enduring Resources		County	San Juan	State	New Mexico	
Total Depth	2186′	PBTD 2144′	Formation	Pictured Cliffs			
Elevation (GL) 5862′			Elevation (KB) 5874′ (est.)				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm			Surface	1090′	Surface/Fresh water sands
Ojo Alamo Ss			1090′	1176′	Aquifer (fresh water)
Kirtland Shale			1176′	1737′	
Fruitland Fm			1737′	2018′	Coal/Gas/Possible water
Pictured Cliffs Ss			2018′		Gas
Lewis Shale					
Chacra					Probable water or dry
Cliff House Ss (main)					Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale					Source rock
Gallup					O&G/Water
Dakota					O&G/Water

Remarks:
P & A
- Please ensure that the tops of the Pictured Cliffs and Fruitland formations as well as the entire Ojo Alamo aquifer, identified in this report, are isolated by proper placement of cement plugs. This will protect the freshwater sands in this well bore.

Formation Tops Reference Wells:
1) Enduring Resources Same

2) Enduring Resources
Neah Victoria 3
GL= 5865′
1245′ FNL, 790′ FEL
Sec 1, T27N, R9W

Prepared by: *Walter Gage*

OPERATOR: ENDURING RESOURCES
WELL: NEAH VICTORIA 002
FIELD: SOUTH BLANCO PICTURED CLIFFS
API #: 30-045-06876
ER WELL #: NM01909.01
WI/NRI: 100.0000% / 87.5000%

CNTY: San Juan FTG: 1450' FNL & 790' FEL
STATE: NM Q-Q: SENE
SPUD: 08/24/56 SEC.: 1
COMP: 09/04/56 TWS: T27N
STATUS: SI - INA RGE: R09W
WBD DATE: 05/05/20 BY: ACB

CURRENT WELLBORE DIAGRAM

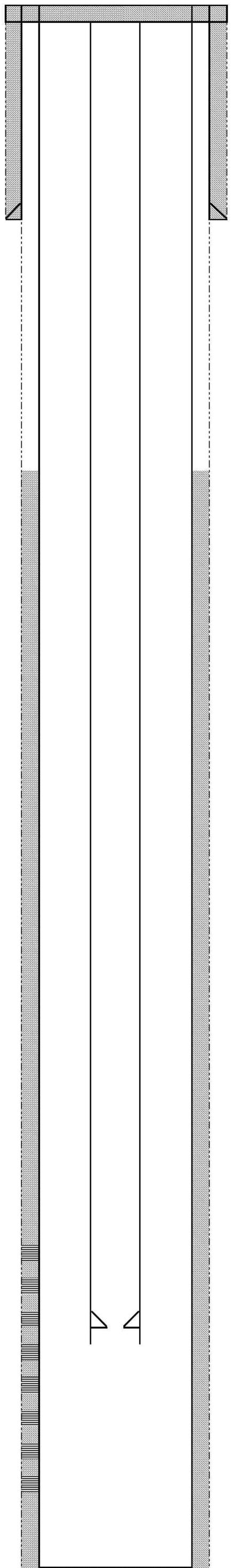
KBE: 5875 '
KB: 10 '
GLE: 5865 '

TD (ft): 2186 '
PBTD (ft): 2144 '

12-1/4" Hole
8-5/8" 24.0# csg @ 186 '
Cmt w/150 sxs, circ cmt sx to surface

FORMATION TOPS
Ojo Alamo @ 1090 '
Kirtland @ 1176 '
Fruitland @ 1737 '
Pictured Cliffs @ 2018 '

TOC UNKNOWN



CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)
12 1/4	8 5/8	24	J55	0	186
7 7/8	5 1/2	15.5	J55	0	2159

TUBING RECORD COND: used DATE:

SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	TALLY (ft)	JTS
1	unk	unk	0	2025.00	

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF	STAGE	STATUS	VOL / PROP
Pic. Cliffs	2028	2110	4	1	Water-frac	40,000
						40,000

ORIG PBTD @ 2144 '
5-1/2" 15.5# Csg @ 2159 '
TD @ 2186 '
Cmt w/200 sxs, no cmt circ to surface

OPERATOR:	ENDURING RESOURCES	CNTY:	San Juan	FTG:	1450' FNL & 790' FEL
WELL:	NEAH VICTORIA 002	STATE:	NM	Q-Q:	SENE
FIELD:	SOUTH BLANCO PICTURED CLIFFS	SPUD:	08/24/56	SEC.:	1
API #	30-045-06876	COMP:	09/04/56	TWS:	T27N
ER WELL #:	NM01909.01	STATUS:	SI - INA	RGE:	R09W
WI/NRI:	100.0000% / 87.5000%	WBD DATE:	05/05/20	BY:	ACB

PROPOSED P&A WELLBORE DIAGRAM

KBE: 5875 '
KB: 10 '
GLE: 5865 '

TD (ft): 2186 '
PBTD (ft): 2144 '

12-1/4" Hole
8-5/8" 24.0# csg @ 186 '
Cmt w/150 sxs, circ cmt sx to surface

FORMATION TOPS
Ojo Alamo @ 1090 '
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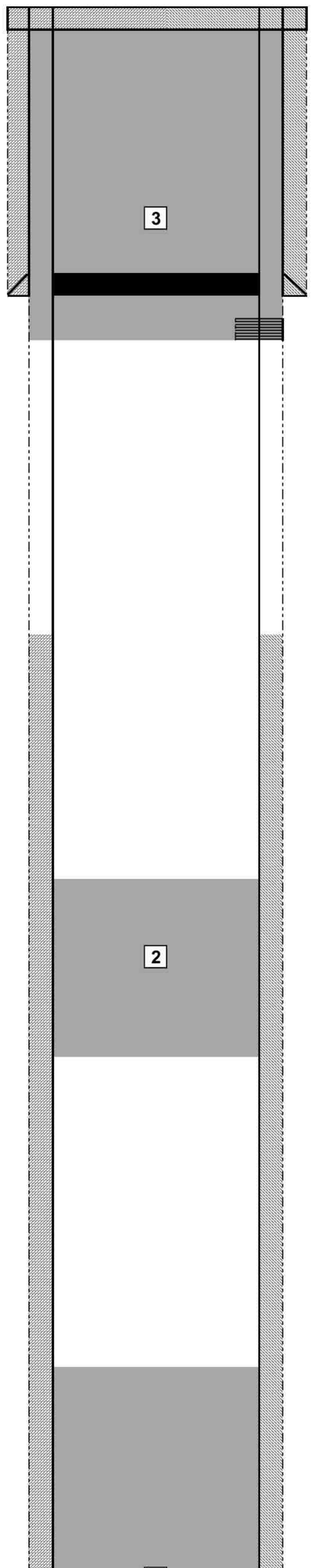

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12 1/4	8 5/8	24	J55	0	186
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PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF	STAGE	STATUS	VOL / PROP
Pic. Cliffs	2028	2110	4	1	Water-frac	40,000

PLUG #3: SURFACE CASING SHOE, SURFACE

SQZ HOLES	236 '		
5-1/2" CICR	186 '		
CEMENT	0 ' - 236 '		
PLUG VOLUME	84 sx	THRU CICR	*100% excess required (outside casing)*
PLUG VOLUME	28 sx	ABOVE CICR	*50 ' excess required (inside casing)*

PLUG #2: KIRTLAND TOP, OJO ALAMO TOP

BALANCED PLUG		
CEMENT	1040 ' - 1226 '	
PLUG VOLUME	28 sx	*50 ' excess required (inside casing)*

PLUG #1: PICTURED CLIFFS PERFORATIONS, PICTURED CLIFFS TOP, FRUITLAND TOP

5-1/2" CICR	1978 '		
CEMENT	1687 ' - 1978 '		
PLUG VOLUME	40 sx	ABOVE CICR	*50 ' excess required (inside casing)*

CEMENT & CASING INFORMATION	
- ALL PLUGS ASSUME CLASS G NEAT CEMENT *- STABILIZNG WELLBORE FLUID IS 8.3 PPG, SUFFICIENT TO BALANCE ALL WELLBORE PRESSURES, UNLESS NOTED OTHERWISE IN PROCEDURE*	
CEMENT DENSITY:	**15.80** PPG
CEMENT YIELD:	**1.15** CUFT / SX
MIX WATER REQUIRED:	**5.00** GAL / SX
5-1/2" CSG CAPACITY:	**0.1336** CUFT / FT
5-1/2" CSG x 8-5/8" CSG CAPACITY:	**0.1926** CUFT / FT
5-1/2" CSG x 7-7/8" HOLE CAPACITY:	**0.1733** CUFT / FT

ENDURING RESOURCES IV, LLC

PLUG AND ABANDONMENT PROCEDURE

WELL: NEAH VICTORIA 002
API: 30-045-06876
ER WELL: NM01909.01
LOCATION: 1450' FNL & 790' FEL, Sec. 1, T27N, R09W
COUNTY: San Juan
STATE: NM

NOTES:

1) All cement volumes assume 100% excess volume outside pipe and 50' excess inside pipe. Cement will be Class 'G' (15.8 ppg and 1.15 cuft/sx). A stabilizing wellbore fluid with density of 8.3 ppg will be sufficient to balance pressures encountered in the well.
2) Any waste fluids circulated from the well to surface, including excess cement, will be stored in steel tanks and then disposed of at an approved disposal facility.
3) Notify BLM and NMOCD prior to beginning well-work operations. Comply with all BLM and NMOCD regulations. Obtain approval from BLM and NMOCD prior to making any changes or adjustments to the procedure.
4) Plugs will be adjusted as necessary depending on the results of of any RCBLs.
5) Wait on cement, tag, and spot additional cement plugs as necessary depending on results of casing pressure tests.
6) Hold safety meetings daily (minimum) with all personnel on location. Record tubing, casing, and bradenhead pressures daily on reports.
7) Test and install rig anchors, if necessary (if rig does not have a base-beam).

PROCEDURE:

1) MIRU daylight pulling unit and associated equipment.
2) Blow down well. Kill well. ND WH. NU BOPE and test.
3) TOH and LD production tubing.
4) PU and TIH with 5-1/2" casing scraper on 2-3/8" work-string to 2028' (top perf). TOH and LD scraper.
5) TIH wih CICR on 2-3/8" work-string. Set CICR @ 1,978'. Load casing and pressure test to 550 psig for 30 minutes. TOH.
6) MIRU WL. Run RCBL from 1,978' to surface. RD WL. Evaluate CBL and send copies to BLM and NMOCD before proceeding.
7) ***PLUG #1: PICTURED CLIFFS PERFORATIONS, PICTURED CLIFFS TOP, FRUITLAND TOP***
TIH with 2-3/8" work-string. MIRU Cementers. Pump cement. Pull up hole.

5-1/2" CICR:	1,978'		
Plug Coverage:	1,687'	to	1,978'
Cement Volume:	40 sx	*ABOVE CICR*	
	40 sx	***TOTAL***	

8) ***PLUG #2: KIRTLAND TOP, OJO ALAMO TOP***
Spot balanced plug. TOH.

Plug Coverage:	1,040'	to	1,226'

Cement Volume:	28 sx		
	28 sx	***TOTAL***	

9) ***PLUG #3: SURFACE CASING SHOE, SURFACE***

RIH with WL. Perf squeeze holes. TIH with 5-1/2" CICR on 2-3/8" work-string. Set CICR. Pump cement. TOH & LD workstring.

Squeeze holes:	236'		
5-1/2" CICR:	186'		
Plug Coverage:	0'	to	236'
Cement Volume:	84 sx	*THRU CICR*	
	28 sx	*ABOVE CICR*	
	84 sx	***TOTAL***	

10) ND BOPE. Cut off casing and wellhead (minimum of 3' below finished grade). Top off annulus and casing with cement, if required. RDMO cement equipment. Install below-grade P&A marker (minimum 1/4" thick steel plate with weep hole, welded in place covering the well, well information permanently inscribed). RDMO.

11) Complete surface reclamation as per approved reclamation plan.

Created by: A. Bridge 5/7/2020