

Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-039-05546
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name W O Hughes
8. Well Number 3
9. OGRID Number 289408
10. Pool name or Wildcat Blanco PC South

<p>SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)</p>	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator LOGOS Operating, LLC	
3. Address of Operator 2010 Afton Place Farmington, NM 87401	
4. Well Location Unit Letter L : 1650 feet from the S line and 990 feet from the W line Section 8 Township 24N Range 03W NMPM Rio Arriba County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6864' GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

LOGOS is requesting permission to continue to P&A subject well per attached procedure, current and proposed wellbore schematics.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Etta Trujillo TITLE Regulatory Specialist DATE 10/31/2022

Type or print name Etta Trujillo E-mail address: etrujillo@logosresourcesllc.com PHONE: 505-324-4154

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



Proposed Plug and Abandonment Procedure

W O Hughes 03

API: 30-039-05546

Notes:

- LOGOS requests to continue the P&A already in progress on the subject well.
 - The proposed plugs listed below were approved by the BLM and NMOCD as part of the original P&A procedure.
 - All logs have been submitted to regulatory agencies.
 - All cement volumes use 100% excess outside pipe and 50' excess inside. All cement will be Class G with a 1.15 cf/sx yield.
1. Comply with all NMOCD, BLM and LOGOS safety rules and regulations. Conduct safety meeting for all personnel on location.
 2. MOL and RU. Lay flow lines. Check and record bradenhead and casing pressures.
 3. **Plug #2 : 1098'-1198' (Nacimiento top: 1148')**: Perforate squeeze holes at 1198'. Attempt to establish rate. TIH and set 5.5" CR at 1148'. Mix and pump 48 sxs Class G cement, squeeze 30 sxs outside casing and leave 18 sxs inside casing, TOH.
 4. **Plug #3: 0'-370' (Surface casing shoe: 320')**: Perforate squeeze holes at 370'. Attempt to establish rate. TIH and set 5.5" CR at 320'. Mix and pump 162 sxs Class G cement, squeeze 112 sxs outside casing and leave 50 sxs inside casing to cover the casing shoe top. TOH.
 5. ND BOP and cut off wellhead below surface casing flange. Top off with cement if needed. Install P&A marker with cement per regulations. Photograph P&A marker in place. Cut off anchors and restore location per BLM stipulations.



WO Hughes 3 P&A Planning

Formations	Tops (ft)
Csg Shoe	320
Nacimiento Top	1148

5.5" csg capacity	0.137	cf/ft
7.875" hole/csg cap	0.1733	cf/ft

Yield	1.15
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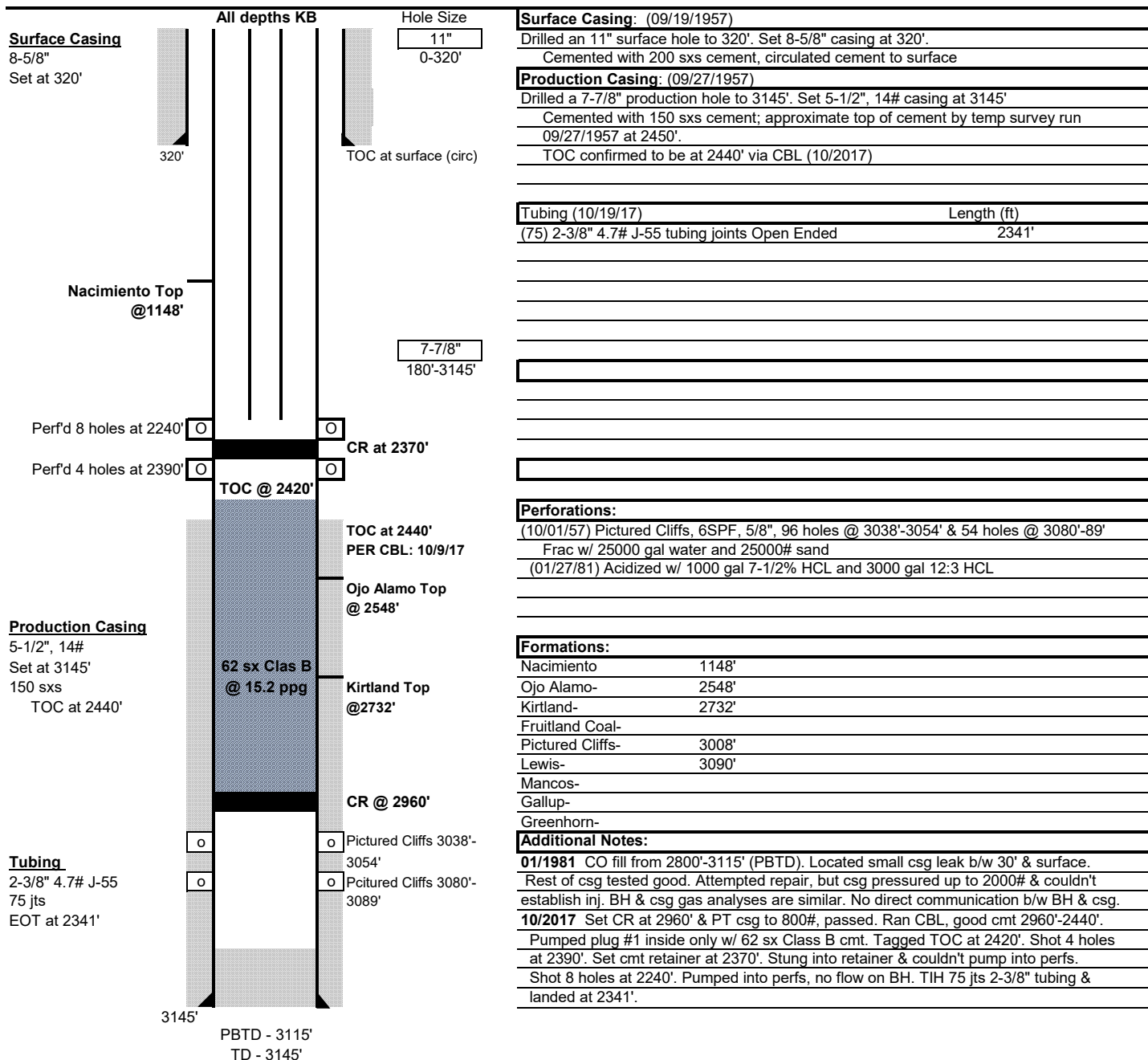
Plugs	Reason	Inside/Outside	Top	Bottom	Total Length of Plug (ft)	Inside Csg Volume (cf/ft)	Outside Csg Volume (cf/ft)	# of sx inside (1.18 yield & 50' excess)	# of sx outside (1.18 yield & 100% excess)	Total # sx
2	Nacimiento Top	Inside/Outside	1098	1198	100	0.137	0.1733	18	30	48
3	Csg Shoe	Inside/Outside	0	370	370	0.137	0.1733	50	112	162
Total cmt:										210



Wellbore Schematic

Well Name: W O Hughes 3
 Location: Sec 08, T24N, R03W 1650' FSL & 990' FWL
 County: Rio Arriba
 API #: 30-039-05546
 Co-ordinates: Lat 36.3220863 Long -107.1855164
 Elevations: GROUND: 6864'
 KB: 6871'
 Depths (KB): PBTD: 3115'
 TD: 3145'

Date Prepared: 1/12/2017
 Last Updated: 10/13/2022 Moss
 Spud Date: 9/18/1957
 Completion Date: 10/1/1957
 Last Workover Date: 10/19/2017

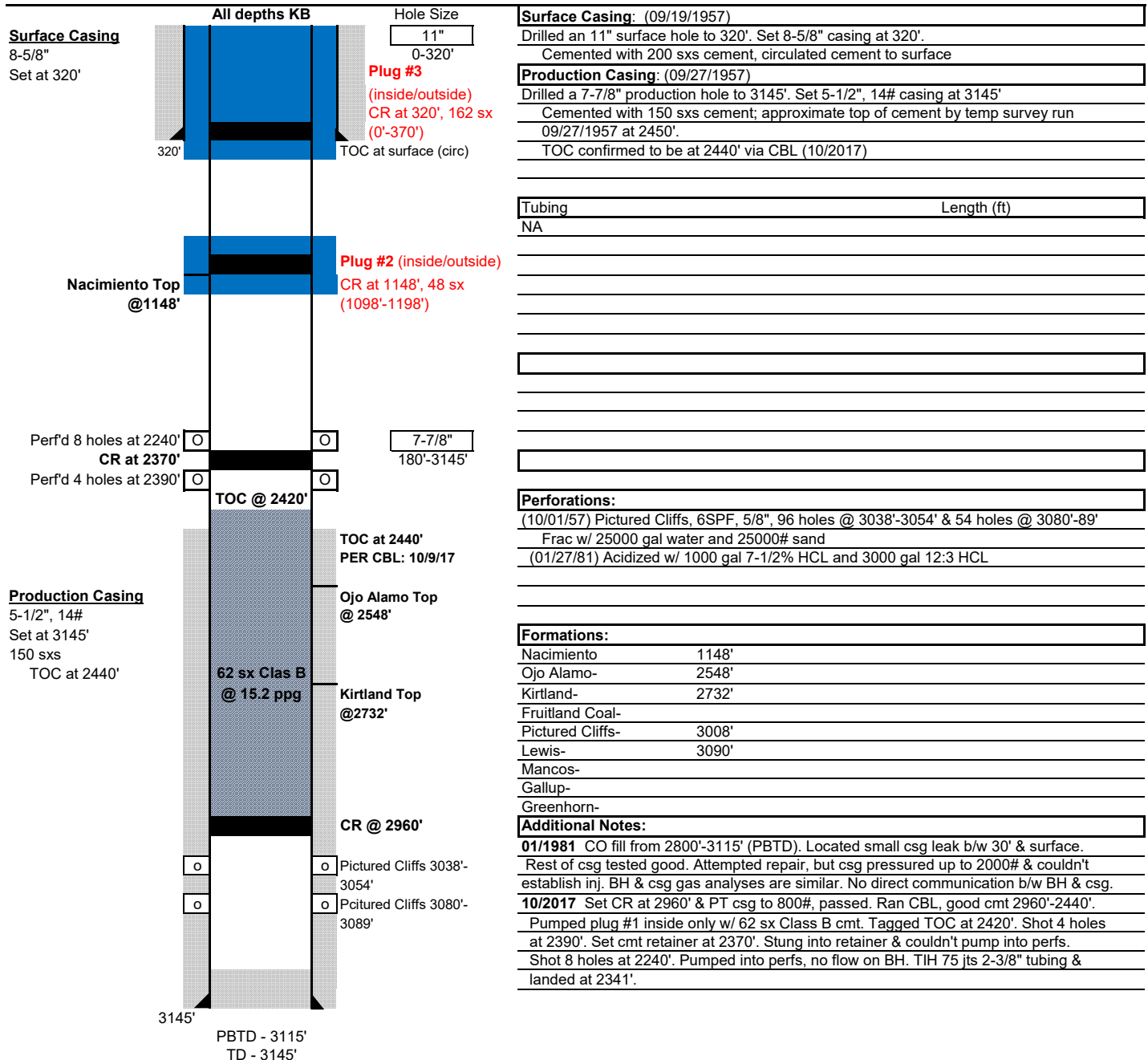




Proposed P&A Wellbore Schematic

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CONDITIONS

Action 154927

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 154927
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Bradenhead test required prior to plugging - checking to see if anything has changed on the well. Contact this office to set up time and date for testing. Please add plug at Perforations at 2240 - will need to be covered with 150 foot plug - Notify NMOCDD 24 hours prior to moving on for plugging.	2/20/2023