

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**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.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

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

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

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 type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<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 type="checkbox"/> Temporarily Abandon		
<input type="checkbox"/> Final Abandonment Notice	<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 recompleat 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 recompleat 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 detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NWNW / 450 FNL / 510 FWL / TWSP: 22N / RANGE: 5W / SECTION: 8 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 662 FNL / 53 FEL / TWSP: 22N / RANGE: 5W / SECTION: 7 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

BHL: NWNW / 664 FNL / 252 FWL / TWSP: 22N / RANGE: 5W / SECTION: 7 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)



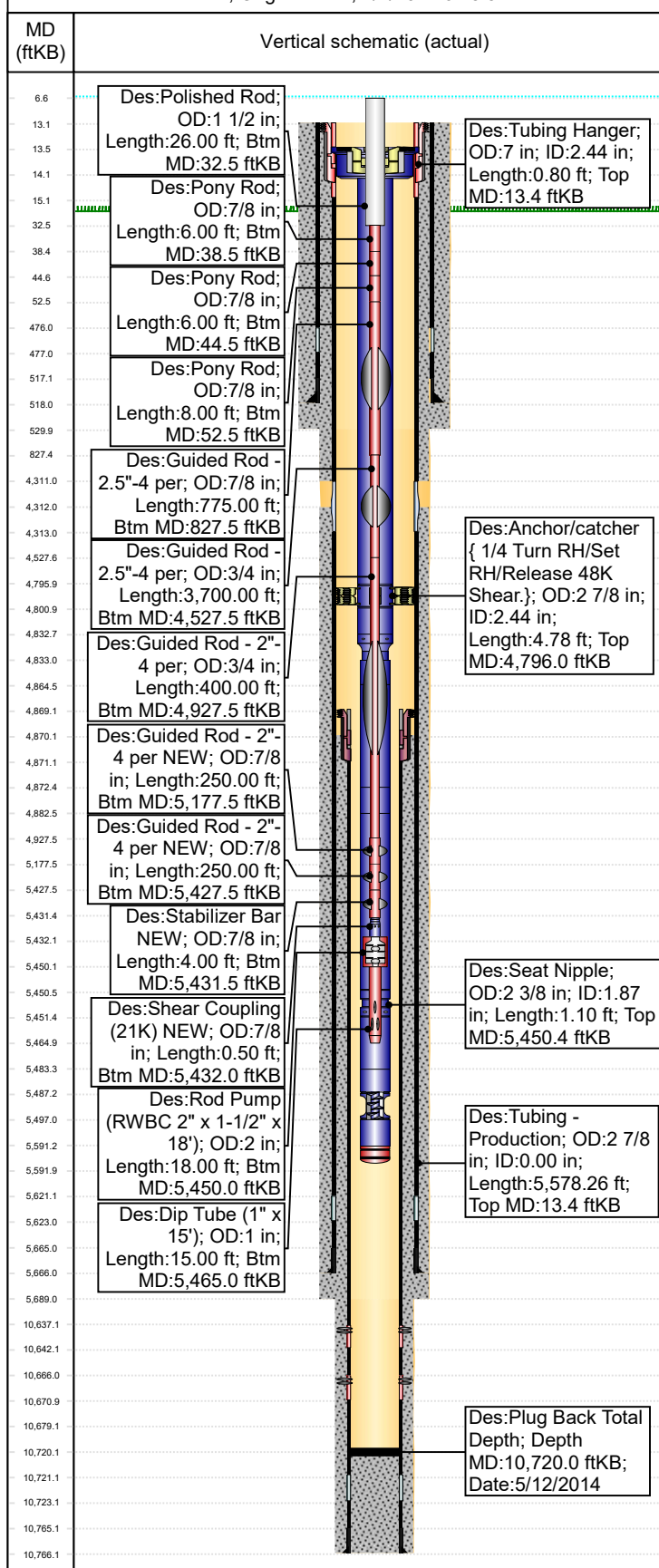
Enduring Resources IV - Production WBD

Well Name: JICARILLA 103H

NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-043-21202	Surface Legal Location Section 08, Twp 22N, Rng 05W, 23rd PM	Field Name	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,974.00	KB-Tubing Head Distance (ft)	Spud Date 4/26/2014 00:00	Rig Release Date 5/14/2014 06:00	PBTD (All) (ftKB) Original Hole - 10,720.0	Total Depth All (TVD) (ftKB) Original Hole - 5,180.4

Horizontal, Original Hole, 4/1/2022 6:15:51 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface Hole	12 1/4	13.0	13.0	530.0	353.7
Intermediate Hole	8 3/4	530.0	353.7	5,689.0	581.7
Production Hole	6 1/8	5,689.0	581.7	10,766.0	5,180.4

Rod Strings

Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)	
Rod	3/17/2022	5,458.50		5,465.0	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod		1 1/2	26.00	6.5	32.5
Pony Rod	2	7/8	6.00	32.5	38.5
Pony Rod	1	7/8	6.00	38.5	44.5
Pony Rod	1	7/8	8.00	44.5	52.5
Guided Rod - 2.5"-4 per	31	7/8	775.00	52.5	827.5
Guided Rod - 2.5"-4 per	148	3/4	3,700.00	827.5	4,527.5
Guided Rod - 2"-4 per	16	3/4	400.00	4,527.5	4,927.5
Guided Rod - 2"-4 per NEW	10	7/8	250.00	4,927.5	5,177.5
Guided Rod - 2"-4 per NEW	10	7/8	250.00	5,177.5	5,427.5
Stabilizer Bar NEW	1	7/8	4.00	5,427.5	5,431.5
Shear Coupling (21K) NEW	1	7/8	0.50	5,431.5	5,432.0
Rod Pump (RWBC 2" x 1-1/2" x 18')	1	2	18.00	5,432.0	5,450.0
Dip Tube (1" x 15')	1	1	15.00	5,450.0	5,465.0

Tubing - Production set at 5,591.7ftKB on 8/15/2021 07:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		8/15/2021		5,578.26			5,591.7	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger		J-55		7	2.44	0.80	13.4	14.2
Tubing { Scanned yellow }	147	J-55	6.40	2 7/8	2.44	4,781.76	14.2	4,796.0
Anchor/catcher { 1/4 Turn RH/Set RH/Release 48K Shear. }		J-55		2 7/8	2.44	4.78	4,796.0	4,800.8
Tubing { Scanned yellow }	1	J-55	6.40	2 7/8	2.44	31.77	4,800.8	4,832.6
Cross Over		J-55		2 7/8	2.00	0.50	4,832.6	4,833.1
Tubing { Scanned yellow }	1	J-55	4.70	2 3/8	2.00	31.53	4,833.1	4,864.6
Tubing-Pup Jnt { Scanned yellow }	1	J-55	4.70	2 3/8	2.00	7.90	4,864.6	4,872.5
Tubing-Pup Jnt { Scanned yewllow }	1	J-55	4.70	2 3/8	2.00	10.05	4,872.5	4,882.5
Tubing { Scanned/yellow band }	18	J-55	4.70	2 3/8	2.00	567.90	4,882.5	5,450.4
Seat Nipple		J-55		2 3/8	1.87	1.10	5,450.4	5,451.5
Tubing { Scanned blue. }	1	J-55	4.70	2 3/8	2.00	31.62	5,451.5	5,483.2
Tubing-Pup Jnt	1	J-55	4.70	2 3/8	2.00	3.95	5,483.2	5,487.1
Desander - Cavins		J-55		2 3/8	2.00	10.10	5,487.1	5,497.2
Tubing { Scanned blue. }	3	J-55	4.70	2 3/8	2.00	94.05	5,497.2	5,591.3
Bull Plug		J-55		2 3/8	0.00	0.45	5,591.3	5,591.7



Enduring Resources IV - Production WBD

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Horizontal, Original Hole, 4/1/2022 6:15:52 AM

MD (ftKB)	Vertical schematic (actual)
6.6	Des: Polished Rod; OD: 1 1/2 in; Length: 26.00 ft; Btm MD: 32.5 ftKB
13.1	
13.5	Des: Tubing Hanger; OD: 7 in; ID: 2.44 in; Length: 0.80 ft; Top MD: 13.4 ftKB
14.1	
15.1	Des: Pony Rod; OD: 7/8 in; Length: 6.00 ft; Btm MD: 38.5 ftKB
32.5	
38.4	Des: Pony Rod; OD: 7/8 in; Length: 6.00 ft; Btm MD: 44.5 ftKB
44.6	
52.5	Des: Pony Rod; OD: 7/8 in; Length: 8.00 ft; Btm MD: 52.5 ftKB
476.0	
477.0	
517.1	
518.0	
529.9	
827.4	Des: Guided Rod - 2.5"-4 per; OD: 7/8 in; Length: 775.00 ft; Btm MD: 827.5 ftKB
4,311.0	
4,312.0	Des: Guided Rod - 2.5"-4 per; OD: 3/4 in; Length: 3,700.00 ft; Btm MD: 4,527.5 ftKB
4,313.0	
4,527.6	
4,795.9	Des: Anchor/catcher { 1/4 Turn RH/Set RH/Release 48K Shear.}; OD: 2 7/8 in; ID: 2.44 in; Length: 4.78 ft; Top MD: 4,796.0 ftKB
4,800.9	
4,832.7	
4,833.0	Des: Guided Rod - 2"- 4 per; OD: 3/4 in; Length: 400.00 ft; Btm MD: 4,927.5 ftKB
4,864.5	
4,869.1	
4,870.1	Des: Guided Rod - 2"- 4 per NEW; OD: 7/8 in; Length: 250.00 ft; Btm MD: 5,177.5 ftKB
4,871.1	
4,872.4	
4,882.5	Des: Guided Rod - 2"- 4 per NEW; OD: 7/8 in; Length: 250.00 ft; Btm MD: 5,427.5 ftKB
4,927.5	
5,177.5	
5,427.5	Des: Stabilizer Bar NEW; OD: 7/8 in; Length: 4.00 ft; Btm MD: 5,431.5 ftKB
5,431.4	
5,432.1	
5,450.1	
5,450.5	Des: Shear Coupling (21K) NEW; OD: 7/8 in; Length: 0.50 ft; Btm MD: 5,432.0 ftKB
5,451.4	
5,464.9	Des: Rod Pump (RWBC 2" x 1-1/2" x 18"); OD: 2 in; Length: 18.00 ft; Btm MD: 5,450.0 ftKB
5,487.2	
5,497.0	Des: Dip Tube (1" x 15"); OD: 1 in; Length: 15.00 ft; Btm MD: 5,465.0 ftKB
5,591.2	
5,591.9	
5,621.1	
5,623.0	
5,665.0	
5,666.0	
5,689.0	
10,637.1	
10,842.1	
10,666.0	
10,670.9	
10,679.1	
10,720.1	Des: Plug Back Total Depth; Depth MD: 10,720.0 ftKB; Date: 5/12/2014
10,721.1	
10,723.1	
10,765.1	
10,766.1	

Surface Casing, 518.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	K-55		13.0	518.0
Item Des			Jts	Len (ft)	Top (ftKB)
Casing Joints			11	463.00	476.0
Float Collar				1.00	476.0
Casing Joints			1	40.00	477.0
Float Shoe				1.00	517.0

Tieback Liner, 4,869.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110		13.0	4,869.0
Item Des			Jts	Len (ft)	Top (ftKB)
Liner Hanger				1.00	14.0
Liner Pup Joint				5.70	19.7
Casing Joints			115	4,847.30	4,867.0
PBR Seal Assembly				2.00	4,867.0

Intermediate Casing, 5,666.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
7	23.00	K-55		13.0	5,666.0
Item Des			Jts	Len (ft)	Top (ftKB)
Casing Hanger				2.00	15.0
Casing Joints			102	4,296.00	4,311.0
DV Stage Tool				2.00	4,311.0
Casing Joints			31	1,308.00	5,621.0
Float Collar				2.00	5,621.0
Casing Joints			1	42.00	5,623.0
Float Shoe				1.00	5,665.0

Production Liner, 10,766.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110		4,869.0	10,766.0
Item Des			Jts	Len (ft)	Top (ftKB)
Liner Hanger				2.00	4,871.0
Casing Joints			135	5,766.00	10,637.0
Toe Sleeve #2				5.00	10,642.0
Casing Joints				24.00	10,666.0
Toe Sleeve #1				5.00	10,671.0
Casing Pup Jt			1	8.00	10,679.0
Casing Joints			1	42.00	10,721.0
Float Collar				2.00	10,723.0
Casing Joints			1	42.00	10,765.0
Float Shoe				1.00	10,766.0

Cement

Description	Cementing Start Date	Cementing End Date
Surface Cement	4/27/2014	4/27/2014
Comment Cemented w/ 320 sx Class G Cmt. Circulated 35 bbl to surface.		
Description	Cementing Start Date	Cementing End Date
Intermediate Cement	5/5/2014	5/5/2014
Comment Stage 1: Lead: 110 sx Halcem Tail: 100 sx Halcem Stage 2: Lead: 490 sx Halcem Tail: 50 sx Halcem		
Description	Cementing Start Date	Cementing End Date
Prod Liner Cement	5/12/2014	5/12/2014
Comment Lead: 40 sx Elastiseal, 290 sx Foamed Elastiseal. Tail: 100 sx Elastiseal		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 104671

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 104671
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted, John Garcia, Petroleum Engineer	11/7/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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CONDITIONS

Action 104671

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Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
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CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	11/7/2022