

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.*

5. Lease Serial No. NMNM0559175
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No. NMNM111025X
8. Well Name and No. NDDUP UNIT 105
9. API Well No. 30-015-26489-00-S1
10. Field and Pool or Exploratory Area N DAGGER DRAW-UPPER PENN
11. County or Parish, State EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator EOG Y RESOURCES INC	
Contact: TINA HUERTA E-Mail: tina_huerta@eogresources.com	
3a. Address 104 S 4TH STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-4168
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 30 T19S R25E SWNW 1980FNL 660FWL	

12. CHECK THE 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"/> 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.

EOG Resources, Inc. plans to plug and abandon this well as follows:

GC 4/30/19  
Accepted for record - NMOCD

RECEIVED

- MIRU all safety equipment as needed.
- Set a CIBP at 7650 ft with 37 sx Class H cement on top to 7462 ft. This will cover open perforations, Canyon and DV tool. *WOC Tag (DVT)*
- Spot a 34 sx Class H cement plug from 6931 ft - 7102 ft. *WOC and tag plug.* This will plug the Penn.
- Spot a 28 sx Class C cement plug from 5593 ft - 5750 ft. This will plug the Wolfcamp.
- Spot a 25 sx Class C cement plug from 3164 ft - 3306 ft. This will plug Bone Spring.
- Spot a 25 sx Class C cement plug from 1943 ft - 2085 ft. *WOC and tag plug.* This will plug Glorieta.
- Perforate at 1246 ft. Attempt to establish circulation. Spot a 25 sx Class C cement plug from

APR 25 2019

DISTRICT II-ARTESIA O.C.D.

Not Required.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #461233 verified by the BLM Well Information System For EOG Y RESOURCES INC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/12/2019 (19DLM0407SE)	
Name (Printed/Typed) TINA HUERTA	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 04/12/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>James A. [Signature]</i>	Title SAET	Date 4-14-19
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 CTO	

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 \*\*

**Additional data for EC transaction #461233 that would not fit on the form**

**32. Additional remarks, continued**

1104 ft - 1246 ft. WOC and tag plug. This will plug the 9-5/8 inch casing shoe.

8. Spot a 25 sx Class C cement plug from 480 ft - 622 ft. WOC and tag plug. This will plug San Andres.

9. Spot a 10 sx Class C cement plug from 57 ft up to surface. WOC and tag plug.

10. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

# NDDUP Unit #105

Sec-TWN-RNG: 30-19S-25E

API: 30-015-2648900

FOOTAGES: 1980' FNL & 660' FWL

GL: 3587

AKA Dagger Draw #9

KB: 3602

COMMENTS

### CASING DETAIL

#	HOLE SIZE	CSG SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	14 3/4	9 5/8	36	K-55	0	1,196	2000	Circ to surf	Circ
B	8 3/4	7	26	K-55	0	8,110	2700	Circ to surf	Circ

8108

### FORMATION TOPS

FORMATION	TOP
San Anders	572
Glorieta	2035
Bone Springs	3256
Wolfcamp	5700
Penn	7052
Canyon	7540

### TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
			FT	in					
1		2.875 6.5#	7841	2 7/8	2.441			0.00	7,841.00

PACKER / TAC?

### ROD DETAIL

#	Joint	Description	Length	Grade	Wt(lb/ft)	Top (ftKB)	Btm (ftKB)
90		1"					
93		7/8"					
120		3/4"					
10		1.5" K-bar					

### ADDITIONAL DETAIL


Prepared by: MJM

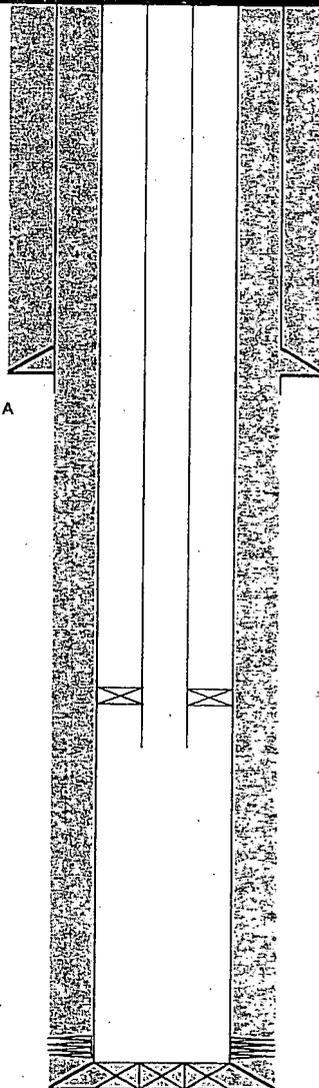
Date: 10-Apr-2019

PBTD: 8,063 MD 8,110

Perfs

7700 - 7859

43



**Proposed**

**NDDUP Unit #105**

<b>Sec-TWN-RNG: 30-19S-25E</b>		<b>API: 30-015-2648900</b>							
<b>FOOTAGES: 1980' FNL &amp; 660' FWL</b>		<b>GL: 3587</b>							
<b>AKA Dagger Draw #9</b>		<b>KB: 3602</b>							
<b>CASING DETAIL</b>									
#	HOLE SIZE	CSG SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	14 3/4	9 5/8	36	K-55	0	1,196	2000	Circ to surf	Circ
B	8 3/4	7	26	K-55	0	8,110	2700	Circ to surf	Circ
<b>FORMATION TOPS</b>									
	FORMATION	TOP							
	San Anders	572							
	Glorieta	2035							
	Bone Springs	3256							
	Wolfcamp	5700							
	Penn	7052							
	Canyon	7540							
<b>PLUG DETAIL</b>									
#	SX	CMT CLASS	TOP	BTM	DESCRIPTION				
8	10	C	0	57	Spot a 10 SX (57 ft) CLS C cement plug 0 ft - 57 ft. WOC & Tag Plug. This will plug the Top.				
7	25	C	480	622	Spot a 25 SX (142 ft) CLS C cement plug 480 ft - 622 ft. WOC & Tag Plug. This will plug the San Anders.				
6	25	C	1104	1246	Perforate at 1246 ft. Attempt to establish Circulation. Spot a 25 SX (142 ft) CLS C cement plug 1104 ft - 1246 ft. WOC & Tag Plug. <u>This will plug the 9.875 inch casing shoe.</u>				
5	25	C	1943	2085	Spot a 25 SX (142 ft) CLS C cement plug 1943 ft - 2085 ft. WOC & Tag Plug. This will plug the Glorieta.				
4	25	C	3164	3306	Spot a 25 SX (142 ft) CLS C cement plug 3164 ft - 3306 ft. This will plug the Bone Springs.				
3	28	C	5593	5750	Spot a 28 SX (157 ft) CLS C cement plug 5593 ft - 5750 ft. This will plug the Wolfcamp.				
2	34	H	6931	7102	Spot a 34 SX (171 ft) CLS H cement plug 6931 ft - 7102 ft. WOC & Tag Plug. This will plug the Penn.				
1	37	H	7615	7650	Set CIBP at 7650 ft and spot CLS H cement to 7462. This will cover open Perfs, Canyon and DV tool.				
Prepared by: MJM					Date: 10-Apr-2019				

COMMENTS

8

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6

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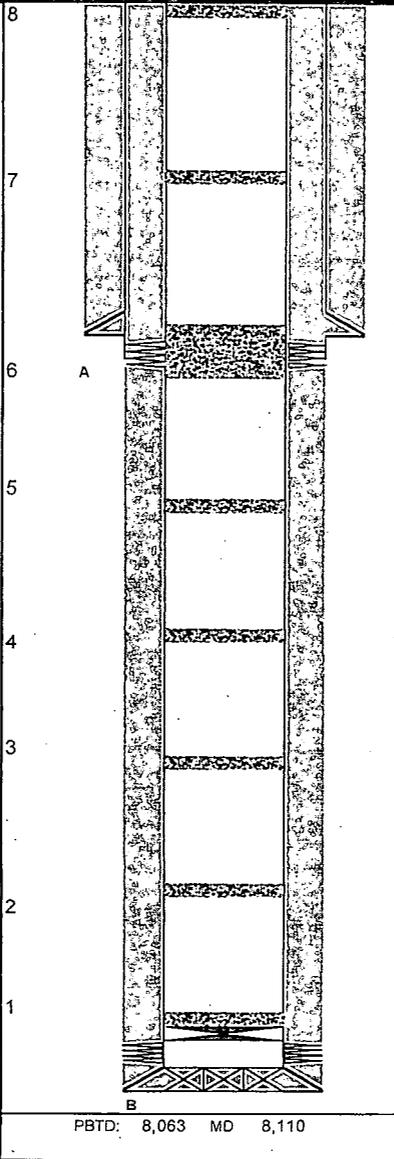
3

2

1

DV tool 7512

Perfs 7700 - 7859



PBTD: 8,063 MD 8,110

BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

Permanent Abandonment of Federal Wells  
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.