

Submit 1 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

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.)		WELL API NO. <b>30-015-27017</b>
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>EOG Y Resources Inc.</b>		6. State Oil & Gas Lease No. <b>V-3589</b>
3. Address of Operator <b>105 South Fourth St, Artesia, NM 88210</b>		7. Lease Name or Unit Agreement Name <b>Pauline ALB State</b>
4. Well Location Unit Letter <u>P</u> : <u>660</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>East</u> line Section <u>32</u> Township <u>23S</u> Range <u>31E</u> NMPM County <u>Eddy</u>		8. Well Number <b>2</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3381' GR</b>		9. OGRID Number  10. Pool name or Wildcat <b>Sand Dunes; Delaware, West</b>

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK  PLUG AND ABANDON   
 TEMPORARILY ABANDON  CHANGE PLANS   
 PULL OR ALTER CASING  MULTIPLE COMPL   
 DOWNHOLE COMMINGLE   
 CLOSED-LOOP SYSTEM   
 OTHER:

SUBSEQUENT REPORT OF:

- REMEDIAL WORK  ALTERING CASING   
 COMMENCE DRILLING OPNS.  P AND A   
 CASING/CEMENT JOB   
 OTHER:

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.

- Notify NMOC 24hrs before MIRU*
- MIRU. ND WH, NU BOP. POOH Prod equipment
  - Set 5 1/2" CIBP @ 7,693'. Circ well w/ MLF. Cap BP w/ 25 sxs @ 7,693'-7,593' WOC-Tag
  - Spot 25sxcmt @ 5,108' - 5,008'.
  - Spot 25sxcmt @ 4,185' - 3,990'. WOC-Tag *Spot 350sxs cmt 4000' - 700'*
  - Spot 25sxcmt @ 3,895' - 3,795'.
  - Perf & Sqz 40sxcmt @ 1,900' - 1,800'. *Salt Section*
  - Perf & Sqz 100sxcmt @ 765' - 375'. WOC-Tag *Perf 665'*
  - Spot 10 sxs cmt @ 100' - 3'
  - Verify cmt @ surface. Top off if necessary. RDMO. Cut off WH & anchors & install DH marker.

*R-111-P*

**NM OIL CONSERVATION**  
 ARTESIA DISTRICT  
 APR 13 2018  
 RECEIVED

A closed loop system will be used for all fluids from this wellbore and disposed of required by OCD Rule 19.15.17

Spud Date:  Rig Release Date:   
*\*See Attached COA's Must Be Plugged By 4-17-19*

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

SIGNATURE *Greg Bryant* TITLE Agent DATE 4/11/18  
 Type or print name Greg Bryant E-mail address:  PHONE:   
**For State Use Only**

APPROVED BY: *Staff mg* TITLE Staff mg DATE 4-17-18  
 Conditions of Approval (if any):



# Well Equipment Report

PAULINE ALB STATE #2 30-015-27017

VERTICAL - Original Hole, 6/20/2012 5:00:00 PM		API#	County	State	Surface Legal Location	KB-Grid (ft)				
Vertical schematic (actual)		3001527017	Eddy	New Mexico	SEC 32, TWP 23S, RNG 31E, UNIT P, Eddy CO., NM	14.00				
		Job Category	Primary Job Type	Department	Start Date	End Date				
		Workover	Equipment Failure	Production	6/19/2012	6/20/2012				
<b>Casing Strings</b>										
		Casing Description	OD (in)	Top Depth (ftKB)	Set Depth (ftKB)					
-214.2		Conductor Casing	20	14.0	54.0					
-12.1		Casing Description	OD (in)	Top Depth (ftKB)	Set Depth (ftKB)					
-6.1		Surface Casing	13 3/8	0.0	516.0					
0.0		Casing Description	OD (in)	Top Depth (ftKB)	Set Depth (ftKB)					
7.1		Intermediate Casing	8 5/8	0.0	4,040.0					
14.1		Casing Description	OD (in)	Top Depth (ftKB)	Set Depth (ftKB)					
34.1		Production Casing	5 1/2	-12.0	8,070.0					
54.1		<b>Tubing Strings</b>								
285.1		Tubing Description	Run Date	Set Depth (ftKB)	Wellbore					
516.1		Tubing - Production	3/31/2010	8,007.0	Original Hole					
838.6		<b>Tubing Components</b>								
1,161.1		Joints	Item Description	Length (ft)	OD (in)	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)	Cum Length (ft)
1,706.5		244	Tubing	7,775.00	2 7/8	J-55	6.50	0.0	7,775.0	8,007.00
2,252.0		1	Anchor / Catcher	3.00	5 1/2			7,775.0	7,778.0	232.00
3,146.0		6	Tubing	191.00	2 7/8	J-55	6.50	7,778.0	7,969.0	229.00
4,040.0		1	Sealing Nipple	1.00	2 7/8			7,969.0	7,970.0	38.00
5,323.0		1	Item Description	Length (ft)	OD (in)	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)	Cum Length (ft)
6,606.0		1	Slotted Sub	4.00	2 7/8			7,970.0	7,974.0	37.00
7,041.5		1	Tubing	32.00	2 7/8	J-55	6.50	7,974.0	8,006.0	33.00
7,477.0		1	Bull Plug	1.00	2 7/8			8,006.0	8,007.0	1.00
7,774.9		<b>Rod Strings</b>								
7,776.4		Rod Description	Run Date	Set Depth (ftKB)						
7,777.9		Tapered Rod String	6/20/2012	7,970.0						
7,785.4		<b>Rod Components</b>								
7,793.0		Joints	Item Description	Length (ft)	OD (in)	Grade	Top (ftKB)	Btm (ftKB)	Cum Len (ft)	
7,853.5		1	Polished Rod	30.00	1 1/2		-12.0	18.0	7,982.00	
7,934.1		2	Rod Sub	4.00	7/8		18.0	22.0	7,952.00	
7,951.6		1	Rod Sub	4.00	7/8		22.0	26.0	7,948.00	
7,969.2		1	Rod Sub	6.00	7/8		26.0	32.0	7,944.00	
7,969.7		110	Steel Sucker Rod - Norris	2,750.00	7/8	HS	32.0	2,782.0	7,938.00	
7,970.1		192	Steel Sucker Rod - Norris	4,800.00	3/4	HS	2,782.0	7,582.0	5,188.00	
7,972.1		14	Steel Sucker Rod - Norris	364.00	7/8	HS	7,582.0	7,946.0	388.00	
7,974.1		1	Rod Pump	24.00	1 1/4		7,946.0	7,970.0	24.00	
7,990.0		<b>Pumping Units</b>								
8,005.9		API Designation	Description	Install Date	Installed Condition	Manufacturer	Crank Type			
8,006.4		C-640D-365-168				Lufkin				
8,006.9		Current Stroke (in)	SPM	Stroke Hole	User Text 2	Sheave Size (in)	Max Pitman Rod (in)	Gear Box SN		
8,038.4		124.00	6							
8,069.9		<b>Pumping Prime Movers</b>								
8,271.9		Make	Model	Type	SN	Install Date	Installed Cond	Removed ..		
		Lufkin		Electric						
		RPM (rpm)	# Belts	Belt Model	Belt Length (in)	Belt X-sect	Sheave Size (in)			

425  
765  
3895  
4162  
4185  
5108  
7998

Fog

Pauline ALB State #2

Spot 100-0 w/ 10 sks out

Pls 765-375 w/ 100 sks out  
Tag

Pls 1900-1800 w/ 40 sks out

Spot 3895-3795 w/ 25 sks out

Spot 4185-3990 w/ 25 sks out  
Tag

Spot 5108-5008 w/ 25 sks out

~~Set CIBP @ 7693-7593 w/ 25 sks  
Cmt Tag~~

13<sup>3</sup>/<sub>8</sub>  
516  
CIRL

→ Tol 2252

8<sup>5</sup>/<sub>8</sub>  
4040  
SIRL

7793

5<sup>1</sup>/<sub>2</sub>  
8070  
2252 Tol

## CONDITIONS FOR PLUGGING AND ABANDONMENT

### District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If the well is not plugged within 1
7. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. Produced water **will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
15. **All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing**

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, **(WOC 4 hrs and tag).**
19. No more than **3000'** is allowed between cement plugs in cased hole and **2000'** in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
  - A) Fusselman
  - B) Devonian
  - C) Morrow
  - D) Wolfcamp
  - E) Bone Springs
  - F) Delaware
  - G) Any salt sections
  - H) Abo
  - I) Glorieta
  - J) Yates.
  - K) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, **WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.**
21. **If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing**

#### **DRY HOLE MARKER REQUIREMENTS**

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

**1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)-----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)