

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-107) FOR PROPOSALS.)		WELL API NO. 30-025-28729 ✓
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 MANZANO, LLC		6. State Oil & Gas Lease No. LG5419
3. Address of Operator PO BOX 2107 ROSWELL, NM 88202		7. Lease Name or Unit Agreement Name Frier State
4. Well Location Unit Letter <u>D</u> : <u>1980</u> feet from the <u>NORTH</u> line and <u>660</u> feet from the <u>WEST</u> line Section <u>29</u> Township <u>12S</u> Range <u>34E</u> NMPM County <u>LEA</u>		8. Well Number #2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4209 GL		9. OGRID Number 16002
		10. Pool name or Wildcat Hightower Upper Penn, East

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.

Propose to P & A as follows:

Spot 25sx @ 9358' set CTBP @ 9325' cap w/ 35' cement. - Circ well w/ MLE
Spot 25sx @ 6358'
Spot 25sx @ 4250' (8 5/8" shoe @ 4200') WOL-TAG
Perforate @ 2250' and squeeze 825sx of cement, circulating cement on 8 5/8" casing (top of salt @ 2297')
Spot 25sx @ 467' (13 3/8" shoe @ 417') - Circ cement to surface
Pump 10sx surface plug

Work will commence within 30 days of approved plugging procedure

OIL CONSERVATION DIVISION - Hobbs office Must Be Notified
24 hours prior to the beginning of Plugging Operations.

Rig Release Date:

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

SIGNATURE Craig Hanagan TITLE Operations Foreman DATE 9/11/13

Type or print name Craig Hanagan E-mail address: craig@manzanoenergy.com PHONE: 575-910-6154

For State Use Only

APPROVED BY: [Signature] TITLE Dist. Mgr DATE 9-17-2013

Conditions of Approval (if any):

SEP 17 2013

Manzano LLC

WELLBORE DIAGRAM

Frier #2

660' FWL & 1980' FNL
Sec29-T-12S-R34E
Lea County, New Mexico
GL Elevation: 4209'
KB Elevation: 4224' (15')

13 3/8" to 417' cemented w/
1700sx & Circ 380sx

8 5/8" to 4200' cemented w/
1500sx lite & 200 sx neat
Circ 280sx

Spot 25sx @ 4250'

WOC - TAG

Spot 25sx @ 6358'

Set CIBP @ 9325 w/35' cmt
Spot 25sx @ 9358'

Wolfcamp Perfs 9408'-9415'

Bough A Perfs 9790'-9856'

CIBP @ 9910' w/ 25' cmt

5.5" @ 10,420' cmt w/1850sx

~~Pump 10sx surface plug~~

PERF
~~Spot 25sx @ 467'~~ (surface shoe @ 417') - *circ cmt to surface*

Perforate @ 2250' & squeeze #25sx- top of salt @2297' *woc - TAG*

Tubulars

Size	No Jts	Wt	Grade/Thrds	Depth Set (RKB)
13 3/8"		68 #/ft	H40/ST&C	417'
8 5/8"		24/28	J-55	4200'
5 1/2"		17 #/ft	J55-N80/LT&C	10420'

TOC 2 4190' Temp Survey

Plugging Information

Description

Set
~~Spot 25sx @ 9358'~~ *CIBP @ 9325 w/35' cmt - Circ MLF*
Spot 25sx @ 6358'
Spot 25sx @ 4250' (8 5/8" shoe @ 4200')
Perforate @ 2250' & squeeze #25sx cmt circ 8 5/8"
Spot 25sx @ 467' (13 3/8" shoe @ 417')
Pump 10sx surface plug

DV Tool @ 7994'

RBP @ 9890'

Perfs 9920'-9946'

PBTD @ 10,375'