

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 August 1, 2011

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. 30-015-21486
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Injection Well <input checked="" type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>Alamo Permian Resources, LLC</b>		6. State Oil & Gas Lease No. B-10715
3. Address of Operator <b>415 W. Wall Street, Suite 500, Midland, TX 79701</b>		7. Lease Name or Unit Agreement Name ARTESIA STATE UNIT
4. Well Location Unit Letter L : 1530 feet from the S line and 1310 feet from the W line Section 13 Township 18S Range 27E NMPM County EDDY		8. Well Number 602
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number <b>274841</b>
		10. Pool name or Wildcat Artesia; Queen-Grayburg-San Andres

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:  
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: CLEAN-OUT, ADD PERFS, ACIDIZE ☒

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.

SEE ATTACHED

NM OIL CONSERVATION  
ARTESIA DISTRICT

APR 20 2015

RECEIVED

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

SIGNATURE Carie Stoker TITLE Regulatory Affairs Coordinator DATE 04/14/2015

Type or print name CARIE STOKER E-mail address: carie@stokeroilfield.com PHONE: 432.664.7659

APPROVED BY: Rita Nao TITLE compliance officer DATE 4/20/15  
Conditions of Approval (if any):

<b>ARTESIA STATE UNIT #602</b> WIW    (formerly #002)		
		Perfs: 1794 – 1980'
API: 30-015-21486	Lease: B-10715	Spud: 03/11/75
L-13-18S-27E	1530 FSL & 1310 FWL	P&A: n/a
Eddy Co., NM	Pool: 3230 - ARTESIA; Queen-Grayburg-SA	

**OBJECTIVE:** Clean out, add perfs, acidize

03/31/15

MIRU Rig. No SI pressure. ND WH, NU BOP. Release pkr, well went on slight vac. Tally OOH w/57 jts 2-3/8" J55 EUE 8rd IPC tbg in fair condition. MI & set pipe racks. Off-load & tally 2-3/8" L80 WS. PU 3-7/8" bit, bit sub, (6) 3-1/8" drill collars on 2-3/8" L80 WS. Tag @ 1900'. PUH to 1700'. SWI. SDFN.

04/02/15

No overnight pressure. Loaded well w/7 BFW for logging. MIRU Wireline to run GRN/CCL logs showing 3 matrix sandstone, limestone & dolomite from PBTD of 1994' WLD up to surface casing @ 322'. Send logs to Houston & Midland. RD Wireline. PU & RIH w/4-1/2" csg scraper to PBTD. POOH w/scraper. SWI. SDF/Easter WE.

04/06/15

Wait on Warrior Wireline to load perf guns. MIRU Warrior Wireline to perf 1548 – 1980' in 8 perf runs. Crew was using new safety regs to arm guns (slow learning process). Made 4 perf runs, 2 were misfires. SWI. SDFN for safety concerns due to blowing dust & strong wind.

04/07/15

Finished perforating well as follows: 19-grain charges, 2 SPF on 3-1/8" slick guns hollow carriers.

1548' - 1562'	14'	QN - PENROSE SS
1794' - 1814'	20'	QN - LOCO HILLS SS
1870' - 1874'	04'	GB - UPPER GRAYBURG
1900' - 1904'	04'	GB - METEX
1910' - 1917'	07'	GB - METEX
1927' - 1932'	05'	GB - METEX
1944' - 1948'	04'	GB - METEX
1970' - 1980'	10'	GB - METEX.

All shots fired. No change after perforating.

RD E-Line. RIH w/32-A arrow-set pkr to 1980'. Spot 3 bbls acid. PUH to 1746'. Reverse 3 BFW. Set pkr & RU Pacesetters to acidize 1794-1980' w/9500 gals 15% NeFe HCl acid w/acid boosters, anti-sludge, paraffin solvent, scale inhibitor & demulsifiers down 2-3/8" L80 WS @ 6.1 BPM.

Maximum Pressure: 2423 PSI      Average Pressure: 2125 PSI

ISIP: 1310 PSI

5 mins: 1230 PSI

10 mins: 1207 PSI

15 mins: 1189 PSI

1<sup>st</sup> Stage Pressure Increase: 192 PSI

2<sup>nd</sup> Stage Pressure Increase: 208 PSI

3<sup>rd</sup> Stage Pressure Increase: 50 PSI

(3 x 400# Diverter Stages)

SWI. SDFN for acid to spend.

<b>ARTESIA STATE UNIT #602</b> WIW    (formerly #002)		
API: 30-015-21486	Lease: B-10715	Perfs: 1794 – 1980'
L-13-18S-27E	1530 FSL & 1310 FWL	Spud: 03/11/75
Eddy Co., NM	Pool: 3230 - ARTESIA; Queen-Grayburg-SA	P&A: n/a

04/08/15

Overnight SITP 130 PSI. Open well to vac truck, recovered 35 bbls acid water & fines. Strong acid gas. Release pkr. Circ well clean & POOH w/pkr. PU & RIH w/4-1/2"x10.5#x2-3/8" Weatherford RBP. Set RBP @ 1650' & POOH w/retrieving tool. PU & RIH w/arrow-set 32-A tension pkr. Set above RBP. Could not get a good test. POOH w/pkr. RIH w/retrieving tool. Move RBP dwn 10' & re-set. POOH. RIH w/pkr. Set above RBP, test to 2000 psi, ok. Release pkr & spot 3 bbls 15% NeFe acid w/additives. PUH, set pkr @ 1520'. RU Pacesetters & acidize Penrose perfs 1548-1562' w/2000 gals 15% NeFe HCl acid w/acid booster, anti-sludge, paraffin solvent, scale inhibitor & demulsifiers down 2-3/8" L80 WS @ 6.1 BPM. Perfs broke @ 1920 psi.

Maximum Pressure: 2100 PSI

Average Pressure: 2040 PSI

Rate: 6.1 BPM

ISIP: 1230 PSI

5 mins: 1177 PSI

10 mins: 1162 PSI

15 mins: 1150 PSI.

SWI. RD Pacesetters. SDFN for acid to spend.

04/09/15

ONSITP = 1000 psi. Open well to vac truck. Recovered 28 bbls acid water & fines. Strong acid gas. Well died. Release pkr & circ acid & gas out of the tbg. POOH w/pkr. LD pkr. PU & RIH w/retrieving tool. Latched & released RBP. POOH & LD RBP. RIH w/2-3/8" WS w/MS to PBTD. Circ well clean w/130 BFW. POOH laying down WS. SWI. SDFN.

Note: Plan to test tbg & pkr in the hole, perform MIT test. Waiting for NMOCD to respond to set up state test.

04/11-12/15 SDFWE.

04/10/15

MIRU Empire Tubing Testers. Test 2-3/8" J55 IPC EUE 8rd tbg in the hole to 3500 psi, ok. RD testers. Circ 70 BFW w/pkr fluid until clean. ND BOP. Set pkr @ 1489' w/16K tension. NU WH. Pressured annulus to 500 psi. Charted for 30 mins, no leaks. Tie onto tbg & perform Step Rate Pressure Test as follows:

0.25 BPM	5 bbls	250 PSI
0.50 BPM	5 bbls	400 PSI
0.75 BPM	5 bbls	590 PSI
1.00 BPM	5 bbls	900 PSI
1.25 BPM	5 bbls	990 PSI
1.50 BPM	5 bbls	1130 PSI
1.75 BPM	5 bbls	1350 PSI
2.00 BPM	5 bbls	1425 PSI

Clean location. RDMO.

1	KB	6.00'	6.00'
49	Jts 2-3/8" J55 EUE 8rd IPC Tubing	1480.63'	1486.63'
1	4-1/2"x 10.5# x 2-3/8" Baker AD-1 Tension Packer	3.00'	1489.63'