

NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 17 2015

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

WELL API NO.

30-015-21988

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

K-1020

7. Lease Name or Unit Agreement Name

ARTESIA STATE UNIT

8. Well Number 905

9. OGRID Number

274841

10. Pool name or Wildcat

Artesia; Queen-Grayburg-San Andres

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ Injection Well ☐

2. Name of Operator

Alamo Permian Resources, LLC

3. Address of Operator

415 W. Wall Street, Suite 500, Midland, TX 79701

4. Well Location

Unit Letter A : 1270 feet from the N line and 50 feet from the E line

Section 23 Township : 18S Range 27E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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

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 02/12/2015Type or print name CARIE STOKER E-mail address: carie@stokeroilfield.com PHONE: 432.664.7659APPROVED BY: RDade TITLE Dist. Rep. Person DATE 2/18/15

Conditions of Approval (if any):

<u>ARTESIA STATE UNIT #905</u> (formerly #005)		
		Perfs: 1822 – 2024' OA
API: 30-015-21988	Lease: K-1020	Spud: 01/30/77
A-23-18S-27E	1270 FNL & 50' FEL	P&A: n/a
Eddy Co., NM	Pool: 3230 - ARTESIA;Queen-Grayburg-SA	

OBJECTIVE: Clean out, add perfs, acidize.

01/30/15

MIRU Wireline to run cased-hole GRN/CCL logs from 2032' WLD up to surface. Sent logs to Houston. SWI. SDFWE.

01/31 – 2/01/15 SDFWE.

02/02/15

MIRU Wireline. Perf well in 12 intervals using 3-1/8" hollow-carrier slick perforating guns with 19-grain charges, 2 SPF, as follows:

QN-PENROSE SS. 1574'-1596'
 QN-LOCO HILLS SS. 1822'-1844'
 GB-UPPER GRAYBURG. 1888'-1894'
 GB-UPPER GRAYBURG. 1903'-1908'
 GB-UPPER GRAYBURG. 1913'-1920'
 GB-METEX. 1932'-1937'
 GB-METEX. 1943'-1952'
 GB-METEX. 1957'-1965'
 GB-METEX. 1976'-1983'
 GB-METEX. 1994'-1997'
 GB-METEX. 2002'-2012'
 GB-METEX. 2020'-2024'

Total 108'.

Total perfs: 216 holes.

No change after perforating.

RD Wireline. PU Baker AD-I tension pkr. RIH to 1450'. SWI. SDFN.

02/03/15

MIRU Pacesetters Pressure pumping equip. RIH to 2032', spot 3.5 bbls 15% NeFe HCl acid w/acid booster, anti-sludge, paraffin solvent, scale inhibitor & demulsifiers. PUH to 1736', reverse 3.5 BFW & set Baker AD-I tension pkr. Acidized perfs 1822-2024' w/11,500 gals 15% NeFe HCl acid w/special additives down 2-3/8" L-80 WS in 4 stages with 3 rock salt diverter stages @ 6 BPM. Monitored annulus while pumping acid.

Maximum Pressure: 2300 PSI Average Pressure: 1950 PSI

ISIP: 1255 PSI

5 mins: 1250 PSI

10 mins: 1200 PSI

15 mins: 1060 PSI

SWI for acid to spend.

Rate: 6.2 BPM

Stage 2 increase 150 PSI

Stage 3 increase 300 PSI

Stage 4 increase 150 PSI

SDFN.

ARTESIA STATE UNIT #905 (formerly #005)		
		Perfs: 1822 – 2024' OA
API: 30-015-21988	Lease: K-1020	Spud: 01/30/77
A-23-18S-27E	1270 FNL & 50' FEL	P&A: n/a
Eddy Co., NM	Pool: 3230 - ARTESIA;Queen-Grayburg-SA	

02/04/15

Overnight SITP = 20 psi. Open well on 3/4" choke, pressure increased to 300 psi & unloaded 85 bbls acid water & fines. Well died. Unset pkr & equalized well. POOH. PU, RIH w/4-1/2"x10.5#x2-3/8" Weatherford RBP. Set RBP @ 1640'. POOH w/setting tool. PU & RIH w/3-1/2"x10.5#x2-3/8" Baker AD-1 tension pkr to 1620'. Set pkr & test RBP to 1500 psi, ok. Bled off pressure, unset pkr & spot 2 bbls 15% NeFe HCl acid w/additives. PUH to 1415', reverse 2 BFW. Set pkr.
Acidize QN-Penrose SS perfs 1574-1596' w/2500 gals 15% NeFe HCl acid w/acid booster, anti-sludge, scale inhibitor, paraffin solvent & demulsifiers down 2-3/8" L-80 WS @ 6 BPM. Perfs broke @ 2550 psi.
Maximum Pressure: 2550 PSI Average Pressure: 1750 PSI

ISIP: 1306 PSI

5 mins: 1012 PSI

10 mins: 1181 PSI

15 mins: 1011 PSI.

SWI. RD Pacesetters. SDFN for acid to spend.

02/05/15

Overnight SITP = 1000 psi. Open well to vac truck & flowed back 20 bbls acid wtr & fines. 2% oil cut on flowback. Well died. Unset pkr & equalized well. POOH w/pkr. PU & RIH w/retrieving tool. Latched & released RBP. POOH. PU 3-7/8" used bit, bit sub, on 2-3/8" L-80 WS. Tag PBTD @ 2038' (tubing depth). Circ well clean w/120 BFW. POOH laying dwn WS. Dug out around wellhead, found bad casing f/tubing head to bradenhead. PU & RIH w/RBP. Set RBP @ 612'. SWI. SDFN.

02/06/15

No SI well pressure. Circ 15 BFW to clear gas & oil f/well. POOH w/retrieving tool. Broke wellhead out of 4-1/2" casing. MIRU backhoe & dug out below Bradenhead. Four large hole in 4-1/2" csg & 8-5/8" rotted out below bradenhead. Cut off down to good 4-1/2" csg. Welded new 4-1/2" csg & bell nipple. Stabilized 4-1/2" csg w/gravel down surface csg. Wrapped new csg & back-fill around well. NU WH & BOP. RIH w/retrieving tool. Latched & released RBP. POOH. SWI. SDFWE.

02/7-8/15 SDFWE.

02/09/15

MIRU Tubing Testers. RIH w/production tbg BHA testing to 5000 psi below the slips, ok. RD testers. ND BOP. Set TAC & NU WH. Prep for rods. PU & RIH w/pump changing 15 badly pitted rods & 10 bad rod boxes. HWO. Test to 500 psi, ok. Cleaned location. Rigged down. Hooked well to flowline. Well pumping to battery.

	Description	Length	Depth
Tubing	KB	6.00'	6.00'
	2 8.00'x2-3/8" J55 EUE 8rd Tubing Subs	16.00'	22.00'
	47 jts 2 3/8" J55 EUE 8rd Tubing	1471.65'	1493.65'
	1 4 1/2"x10.5#x2 3/8" Baker Type TAC	2.90'	1496.55'
	15 jts 2 3/8" J55 EUE 8rd Tubing	468.19'	1964.74'
	1 2 3/8" EUE 8rd Seating Nipple	1.10'	1965.84'
	1 2 3/8" Endurance Joint	30.94'	1996.78'
	1 2 3/8" EUE 8rd Slotted Sub	6.00'	2002.78'
	1 2 3/8" 8rd Mud Anchor	29.72'	2032.50'
Rods	1 1 1/4" Polish Rod	6.00'	
	5 3/4" Pony Subs: 2', 2', 2', 4', 4'	14.00'	
	77 3/4" Rods	1925.00'	
	1 20-150- RWBC Pump w/1' Lift Sub	13.00'	