

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. 30-015-21447
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 Alamo Permian Resources. LLC		6. State Oil & Gas Lease No. B-10456
3. Address of Operator 415 W. Wall Street, Suite 500, Midland, TX 79701		7. Lease Name or Unit Agreement Name ARTESIA STATE UNIT
4. Well Location Unit Letter I : 2630 feet from the S line and 10 feet from the E line Section 14 Township 18S Range 27E NMPM County EDDY		8. Well Number 502
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 274841
		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

SEP 19 2014

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 09/14/2014

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

APPROVED BY: JD Dade TITLE Dist # Supervisor DATE 9-25-2014
Conditions of Approval (if any):

ARTESIA STATE UNIT #502 WIW <i>(formerly: Artesia State Unit #2B)</i>		
		Perfs: 1709 – 1892' OA
API: 30-015-21447	Lease: B-10456	Spud: 02/25/75
I-14-18S-27E	2630 FSL & 10 FEL	P&A: n/a
Eddy Co., NM	Pool: 3230 - ARTESIA; QU-GB-SA	

OBJECTIVE: Clean out, add perfs, acidize.

08/25/14.

MIRU Rig. Tbg press = 400 psi. Hooked well to vac truck & flowback well until dead. ND WH, NU BOP. Release pkr & POOH w/injection BHA. MI & set pipe racks & off-load 2-3/8" L-80 WS. PU 3-7/8" bit, 4-1/2" csg scraper & tally in the hole w/WS. Tag fill @ 1703'. Rotate & break circ. Bell nipple below wellhead cracked in several places (wellhead welded to bell nipple). POOH w/tbg. ND BOP & dig out around wellhead. Called out welder, worked & patched bell nipple. RIH w/pkr on 1 jt 2-3/8" WS & test weld to 500 psi. After testing & welding pin holes several times wellhead held 500 psi for 15 mins. Release pkr & POOH. NU BOP. SWI. SDFN.

Note: POOH w/following:

53 jts 2-3/8" J55 EUE 8rd IP tbg. Fair to good.

4-1/2"x10.50#x2-3/8" Plastic-coated Baker AD-1 tension packer set @ 1637' w/18,000 lbs tension

08/26/14

No SI pressure. PU 3-7/8" bit, drill thru 4-1/2" csg scraper, (4) 3-1/8" DCs on 2-3/8" L-80 WS. Tag fill @ 1703'. RU power swivel, stripperhead & pump. Broke circ & wash 9 jts (267') dwn to 1970'. Circ sand, iron sulfite, salt & scale. Circ well clean & POOH w/bit laying down DCs, bit & scraper. RIH w/4-1/2"x10.50#x2-3/8" AD-1 tension pkr to 1600'. Used reverse pump to pressure csg to 500 psi. Leak-off 80 psi in 15 mins. Retest, same results. Release pkr. SWI. SDFN.

Note: Plan to PUH to 1400', circ clean FW to surface, retest, & chart backside.

08/27/14

ND BOP & WH. Unpacked bradenhead. Cut Bradenhead off surface casing. Found hole in 4-1/2" csg 6" below bradenhead. Cut 1' of 8-5/8" csg & exposed 4-1/2" csg leak. Cut 4-1/2" csg below hole & dressed off. Weld on 3' piece of 4-1/2" csg. Poured pea gravel between 4-1/2" csg & 8-5/8" csg to stabilize 4-1/2" csg. Back-fill hole. NU WH & BOP. RIH w/4-1/2" AD-1 backer packer to 30'. Test csg to 500 psi, ok. No leaks. Release pkr & POOH. SWI. SDFN.

Note: Plan to log well tomorrow AM.

08/28/14

MIRU Warrior Wireline Services. Ran GR/CCL/CNL with Sandstone Matrix & Limestone Matrix, from 1965' (wireline depth) up to surface. RD loggers. SWI. SDFN.

08/29/14

MIRU Wireline to perf Penrose, Loco Hills, Upper Grayburg & Metex @ 2 SPF, 3-1/8" hollow carrier slick perforating guns with 19 grain charges as follows:

1447-64'	1842-47'
1704-26'	1857-64'
1784-88'	1875-79'
1814-20'	1884-93'
1824-36'	1900-07'

93' & 186 perfs.

RD. PU 4-1/2" X 10.50# X 2-3/8" Arrow-set 32-A Packer to 1400'. SWI. SDOHWE.

Note: Acidize 1 Stage Tuesday AM.

ARTESIA STATE UNIT #502 WIW (formerly: Artesia State Unit #2B)		
		Perfs: 1709 – 1892' OA
API: 30-015-21447	Lease: B-10456	Spud: 02/25/75
I-14-18S-27E	2630 FSL & 10 FEL	P&A: n/a
Eddy Co., NM	Pool: 3230 - ARTESIA; QU-GB-SA	

09/02/14

RIH to 1950'. MIRU Pacesetters pressure pumping equip & spot 3 bbls 15% NeFe HCl acid w/acid booster, anti-sludge, paraffin solvent, scale inhibitor & demulsifiers. PUH to 1675'. Reverse 3 bbls & set pkr w/19,000 lbs tension. Acidize perfs 1704–1907' w/10,700 gals 15% NeFe HCl acid w/additives down 2-3/8" WS in 4 acid stages & (3) 400 lbs rock salt diverting stages @ 6 BPM.

Rate: 6 BPM. Max Pressure: 2250 PSI Average Pressure: 2083 PSI

ISIP: 1282 PSI

5 mins: 1237 PSI

10 mins: 1208 PSI

15 mins: 1183 PSI

1st diverting stage pressure increased 116 psi.

Last 2 stages no pressure increase.

SWI f/4 hrs for acid to spend.

Open well @ 2:15pm w/500 psi pressure. Well flowed back 35 bbls & died. Release pkr & equalized well. POOH w/pkr. SWI. SDFN.

Note: Plan to acidize Penrose perfs tomorrow AM.

09/03/14

RIH w/4-1/2"x10.50#x2-3/8" Arrowset RBP & set at 1. POOH w/WS. PU & RIH w/4-1/2"x10.50#x2-3/8" Arrowset 32-A tension pkr w/unloader. Set pkr @ 1500' & test RBP to 1500 psi, ok. Release pkr. Spot 2 bbls 15% NeFe HCl acid w/additives. PUH to 1383'.

Reverse 2 bbls & set pkr w/18,000 lbs tension. RU Pacesetters to acidize perfs 1447-64' w/2200 gals 15% NeFe HCl dwn 2-3/8" L-80 WS @ 5 BPM. Perfs broke @ 2142 PSI.

Max Pressure: 2142 PSI

Average Pressure: 1854 PSI

ISIP: 1186 PSI

5 mins: 1152 PSI

10 mins: 1149 PSI

15 mins: 1142 PSI

RD Pacesetters & wait 4 hours for acid to spend.

Open well @ 2:20pm w/1040 PSI SITP. Open well to vac truck on choke. Well flowed back 40 bbls acid wtr, acid gas & fines. Well died. SWI. SDFN.

Note: 2200 gals 15% NeFe HCl acid w/additives were used in the above acid treatment.

09/04/14

Overnight SITP 600 psi. Bled well dwn & recovered acid gas & 12 bbls acid wtr. Release pkr & POOH. LD pkr. PU retrieving tool & RIH. Latch & release RBP & POOH w/RBP. RIH w/muleshoe joint to 2000'. Circ 80 BFW to clean wellbore. POOH laying down WS & muleshoe joint. RIH with 2-3/8" J55 EUE 8rd IPC tbg. Test tbg to 2500 psi, ok. POOH w/IPC tbg. PU & RIH w/4-1/2"x10.50#x2-3/8" Baker AD-1 pkr to 1367'. Pkr swinging. SWI. SDFN.

Note: Circ pkr fluid, set pkr, & chart casing integrity test tomorrow.

09/05/14

MIRU & circ 75 BFW w/pkr fluid. ND BOP. Set Baker AD-1 @ 1367.42' w/18,000 lbs tension. NU WH. Pressure csg to 480 psi & chart for 30 mins, ok. No leaks. RD kill truck. Clean location. RDMO

Note: Full opening orbit-type valve on tubing.

	Description	Length	Depth
Tubing	KB	5.00'	5.00'
	2 2-3/8" J55 EUE 8rd IPC Subs, 1 ea: 4', 4'	8.20'	13.20'
	44 jts 2 3/8" J55 EUE 8rd IPC Tubing	1350.27'	1363.47'
	1 4-1/2"x10.50#x2-3/8" IPC Baker AD-1 Tension Packer	3.75'	1367.22'



Graphic Controls

9/10/2014

CHART NO. MC MP-5000-1HR

METER

CHART PUT ON

Alamo

M

TAKEN OFF

LOCATION

Attesia state unit #502

REMARKS

Joshua James

Southwest

Transportation