

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. 30-015-21446
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-6869
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 M : 10 feet from the S line and 10 feet from the W line Section 13 Township 18S Range 27E NMPM County EDDY		8. Well Number 201
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: [Signature] TITLE DIST # Supervisor DATE 9-25-2014
Conditions of Approval (if any):

ARTESIA STATE UNIT #201 WIW (formerly: Artesia State Unit Tract 2 #1)		
		Perfs: 1771 – 1950' OA
API: 30-015-21446	Lease: B-6869	Spud: 02/15/75
M-13-18S-27E	10 FSL & 10 FWL	P&A: n/a
Eddy Co., NM	Pool: 3230 - ARTESIA; QU-GB-SA	

OBJECTIVE: Clean out, add perfs, acidize.

08/05/14

MIRU Rig. Well had 400 psi tbg pressure. Bled off to vac truck. Well dead in 45 mins. ND WH; cap on Larken "K" wellhead very tight, slips & slip bowl rusted together; worked to get everything apart. NU BOP & release pkr. Packer dragging on the way out of the hole. POOH w/Guiberson Shorty Tension pkr on 54 jts of 2-3/8" J55 EUE 8rd IPC tbg. LD pkr. PU 4-1/2"x2-3/8" drill-thru csg scraper on 2-3/8" L80 WS. Tag fill @ 1681.00'. LD 2 jts. SWI. SDFN.

	Description	Length	Depth
	KB	6.00'	6.00'
54	jts 2 3/8" J55 EUE 8rd IPC Tubing	1666.47'	1672.47'
1	Guiberson Shorty Tension Packer	2.90'	1675.37'

Note: 2-3/8" J55 IPC tbg: Tubing was over-torqued, internal plastic coating frayed & swelled. Top 52 jts no pits or holes, last 2 jts pitted. Guiberson packer not repairable. Slips, slip bowl & packing for Larkin "K" wellhead needs to be replaced.

08/06/14

RU swivel & kill truck. Break circ w/3 BFW. Clean dwn to 1758' using 250 BFW circulating 1.5 bpm. Clean-out is slow-going due to weight of 2-3/8" tbg & pump pressure. When reaching 1758' quit making progress. RD kill truck & POOH w/bit & scraper. SWI. SDFN.

Note: Returns while cleaning out were scale, sand, rust, & salt.

08/07/14

PU new 3-7/8" skirted bit & (6) 3-1/8" DCs on 2-3/8" L80 WS. Tag fill @ 1758'. RU stripperhead & swivel. Broke circ & drilled salt bridge to 1771'. Broke thru bridge. Wash & rotate to PBTD @ 1989'. Circ well clean w/90 BFW. Returns were salt, heavy sand, iron sulfide & scale. POOH, LD DCs & bit. PU 4-1/2"x2-3/8" csg scraper & RIH to 1989'. Circ additional 30 BFW for cleanup. POOH w/csg scraper. PU & RIH w/4-1/2"x10.50#x2-3/8" 32-A tension pkr, set @ 1750'. Test csg to 400 psi for 20 mins, no leak off. Release pressure & tied onto tbg. Pressure tbg to 1500 psi. Pressure dropped down to 1200 psi (300 psi pressure drop in 5 mins). Release pkr & POOH. SWI. SDFN.

08/08/14

MIRU Warrior Wireline. Pull GRN/CCL logs from 1987' WLD to surface. RD Warrior & sent logs to Houston. SWI. SDFWE.

08/09/14

Wireline could not get perf guns loaded until late this afternoon. SWI. SDFN.

08/10/14

MIRU Wireline to perf total of 75' & 150 holes, 2 SPF, using 3-1/8" hollow-carrier slick perforating guns w/19-grain charges in 7 perf runs, as follows:

1516-32'1882-91'

1770-90' 1898-1904'

1832-36' 1916-20'

1838-46' 1948-50'

1856-58' 1960-64'

1872-74'

All shots fired. No change after perforating. RD Warrior Wireline.

PU & RIH w/Weatherford 4-1/2"x10.50# RBP, retrieving tool, 4-1/2"x10.50#x2-3/8" Weatherford compression pkr on 2-3/8" L-80 WS. Set RBP @ 1975'. PU to 1968' & spot 3.1 bbls 15% NeFe acid w/acid booster, anti-sludge, paraffin solvent, scale inhibitor & demulsifiers. PU to 1750', set pkr. Pacesetters broke perfs @ 1766 psi. Pumped 10 BFW ahead & start on acid. By-pass on pkr opened. Circ well clean. POOH w/compression pkr. RIH w/Arrowset 32-A tension pkr & set @ 1750'. Pump 10 bbls & start on acid, same communication as before. Release pressure & circ well clean. Release pkr & PUH to 1454'. Test csg to 400 psi, ok. RIH, set pkr @ 1652'. Pump 30 BFW increasing rate from 3 bpm up to 5 bpm w/2105 psi. No leak. Ran out of water & vac truck full. SWI. SDFN.

Note: Reload acid & acidize well tomorrow.

ARTESIA STATE UNIT #201 WIW <i>(formerly: Artesia State Unit Tract 2 #1)</i>		
		Perfs: 1771 – 1950' OA
API: 30-015-21446	Lease: B-6869	Spud: 02/15/75
M-13-18S-27E	10 FSL & 10 FWL	P&A: n/a
Eddy Co., NM	Pool: 3230 - ARTESIA; QU-GB-SA	

08/11/14

RU Pacesetters to **acidize perfs 1770-1964'** w/8000 gals 15% NeFe acid w/acid booster, anti-sludge, paraffin solvent, scale inhibitor & demulsifiers in 4 acid stages & (3) 400# rock salt block stages, down 2-3/8" L-80 WS, flushing to bottom perfs.

Max Pressure: 2235 PSI

Average Pressure: 1978 PSI

Max Rate: 5.7 BPM

Average Rate: 5.3 BPM

ISIP: 1382 PSI

5 mins: 1343 PSI

10 mins: 1300 PSI

15 mins: 1229 PSI

Stage 1 block increase: 50 PSI

Stage 1 block increase: 69 PSI

Stage 3 block increase: 68 PSI

SWI. Wait on acid to spend 4 hours. Open well w/750 psi. Flow-back 25 bbls acid water & gas. Well died. Release pkr & POOH. PU & RIH w/retrieving tool. Latch onto RBP, release & PUH to 1550', set RBP. POOH w/retrieving tool. PU & RIH w/4-1/2"x10.50#x2-3/8" Arrowset 32-A tension pkr. Set pkr @ 1540' & test plug to 500 psi, ok. Release pkr, PUH & set @ 1452'. Pressure csg to 400 psi, ok.

Acidize Penrose perfs 1516-1532' w/2000 gals 15% NeFe special acid dwn 2-3/8" L-80 WS. Flush to btm perf. Perfs broke at 1925 psi.

Max Pressure: 1925 PSI

Average Pressure: 1163 PSI

ISIP: 1137 PSI

5 mins: 1163 PSI

10 mins: 1150 PSI

15 mins: 1137 PSI

SWI. RD Pacesetters. SDFN.

Note: Load to recover Lower Stage: 282 bbls

Note: Load to recover Penrose Stage: 60 bbls

08/14/14

Open well for flowback w/900 psi. Flow back acid, acid water & fines to vac truck. Recovered 45 bbls. Release pkr & POOH. LD pkr & PU retrieving tool. RIH, latch & release, & POOH w/RBP. PU 2-3/8" muleshoe on 2-3/8" L80 WS. RIH to 1987'. Circ 90 BFW to clean rock salt out of wellbore. POOH laying dwn WS. SWI. SDFN.

Note: Tomorrow, plan to run injection BHA, circ pkr fluid, perform casing integrity test, & step up rate test.

08/15/14

MIRU tubing Testers. Test 2-3/8" J55 EUE 8rd IPC tbg to 3000 psi, ok. Circ 70 BFW w/pkr fluid. ND BOP, NU WH. Tried to test csg to 400 psi several times, no test due to leak-off. SWI. Vent csg over the weekend to release trapped air in csg. SDFWE.

08/18/14

MIRU Lobo to test csg. Pressure to 500 psi, had leak-off. Could not get wellhead to hold pressure. Bled off well & release pkr. Replace 4.00' 2-3/8" J55 IPC sub. Reset pkr, NU WH & replace top nut. Retest csg to 500 psi. Had leak-off, 200 psi in 1 minute. Check & repair pump leaks & re-pressure. Had leak-off. Pumped 9 BFW dwn csg @ 1.9 bpm w/800 psi. No change in csg pressure. Release pkr. ND WH, NU BOP. Test csg every 5 stds to 369'. Csg held 500 psi pressure. Release pressure & lower pkr & set @ 373'. Csg leaked. Pressure csg to 650 psi & could not EIR. Release pkr & POOH. SWI. SDFN.

Note: Top of hole @ 369'. Bottom of hole @ 373'.

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M-13-18S-27E	10 FSL & 10 FWL	P&A: n/a
Eddy Co., NM	Pool: 3230 - ARTESIA; QU-GB-SA	

08/19/14

RIH w/4-1/2"x10.50# Arrowset RBP to 378' & set. POOH w/setting tool. PU & RIH w/4-1/2"x10.50#x2-3/8" Arrowset 32-A tension pkr to 362' & set pkr. RU Lobo kill truck to EIR. Rolled pump over to 1000 psi. ISIP 300 psi. 5M down to 275 psi. Tried several times to get a better rate without success. Bled off well & tried to release pkr without success. Pkr would move downhole, no movement up. Turned pkr to right to break safety (this would allow slips & rubbers to relax & POOH w/pkr). POOH with partial pkr. Packing elements, sleeve, J-slot & slip segment left in well. Wait on fishing dimensions & order out 1-3/4" to 3.00' tapered tap. RIH, catch fish & try to pull pkr. Pulled 13,000 over weight & slipped off tap. Tried several times, could not get movement on pkr. Pulled off fish & POOH. SWI. SDFN.

Note: Plan to run center spear on 3-1/8" collars with bumper sub & jars tomorrow.

08/20/14

PU 4-1/2" center spear w/1.98" grapple, bumper sub, hydraulic jars, (4) 3-1/8" drill collars on 2-3/8" L-80 WS. Latched pkr & jarred loose pulling 35,000 lbs over string weight. POOH, LD DCs. ND BOP & retrieved 2 broken slip segments from top of pkr. PU retrieving tool on 2-3/8" WS & tried to latch RBP. Tried to work retrieving tool over fish neck several times without success (could not rotate over fish neck, broken slip segments stopping retrieving tool). RIH w/3-1/2" magnet w/cutlip guide, could not retrieve slips. POOH w/magnet. PU & RIH w/4-1/2"x2-3/8" overshot w/2.65" grapple. Could not get over fish neck enough to get a bite on RBP. POOH. SWI. SDFN.

Note: Plan to mill over slips tomorrow.

08/21/14

PU & RIH w/3-3/4" shoe w/cutrite on bottom & ID, 4-1/2" jars, (4) 3-1/8" drill collars & 2-3/8" WS to 378'. RU swivel & NU stripperhead. Break circ w/FW & mill up pkr slips off RBP. Circ well clean & POOH w/shoe. PU 3-7/8" short-catch overshot, jars, 4 drill collars, on 2-3/8" WS. Caught & released RBP & work RBP out of the hole. RD Basic. RIH w/4-1/2"x10.50# RBP. RIH to 489', set RBP & circ well clean w/40 BFW. POOH. RIH & lay down 2-3/8" IPC tbg. PU 4-1/2"x10.50#x2-3/8" Baker AD-1 pkr to 450'. Set pkr & test RBP to 1000 psi, ok. Released pkr & POOH w/pkr. Poured 100 lbs drop-sand on RBP. SDON to let sand fall. SWI.

Note: Did all work w/L80 WS. After well was cleaned out, laid down IPC tubing.

08/22/14

RIH w/2-3/8" WS OE to 390'. MIRU Pacesetters cementers & circ well clean w/FW. Mix & pump 20 sx Class "C" Neat cement from 390' up to 200' (Cement weight 14# PPG; Yield 1.30 Gal/sk 6.46). PUH to 200'. Circ well clean. POOH w/WS. PU 4-1/2"x10.50#x2-3/8" Baker AD-1 pkr to 150'. Set pkr. ND BOP, NU WH. Catch pressure w/1/2 BFW. Pressure tbg to 1000 psi. Pressure dropped to 300 psi. Re-pressure tbg to 1000 psi. Fall-off pressure increased throughout squeeze. After 1.5 hrs, pressured tbg to 1000 psi, no leak-off. Watched for 30 mins, ok. SWI. RD cementers. Squeezed total 7/10 bbls cement in leak. RD Aztec & move off well.

08/23 – 09/4/14 SI, waiting on cement.

09/05/14

MIRU Rig. MI reverse unit package. SDFWE.

09/08/14

PU 3-7/8" bit, bit sub, (6) 3-1/8" DCs, crossover on 2-3/8" L-80 WS. Tag cmt @ 230'. RU pump pit, swivel & break circ. Drill out 155' of hard cmt to 385'. Broke out of cmt. RIH to 440' & circ well clean. RD swivel, install TIW valve on tbg. Close BOP. Pressure well to 350 psi & chart for 20 mins. No leak-off. Bled off pressure. RIH, tag drop-sand @ 450'. Wash dwn without rotating to clean sand off RBP. Circ well clean. POOH w/drill string BHA. SWI. SDFN.

09/09/14

MI & rack IPC tbg. PU 4-1/2"x10.50#x2-3/8" Baker AD-1 tension pkr on 2-3/8" IPC tbg to 375'. Could not work past. POOH w/Baker pkr. Cement inside rocker-type slips. Wait on Arrowset 1-X pkr. PU 4-1/2"x10.50#x2-3/8" Arrow-set 1-X pkr on 2-3/8" J55 EUE 8rd IPC tbg. Went thru tight spot, no trouble, to 1452'. Set pkr & re-test casing to 350 psi, ok. Release pkr. Circ 70 bbls pkr fluid. ND BOP. Set pkr w/18,000 lbs tension. NU WH. Pressure casing to 350 psi & charted for 30 mins. No leak-off. Clean location, moved equipment & RDMO.

	Description	Length	Depth
	KB	5.00'	5.00'
47	jts 2-3/8" J55 EUE 8rd IPC Tubing	1444.08'	1449.08'
1	4-1/2"x10.50#x2-3/8" Arrowset 1-X with 18,000 lbs Tension	6.50'	1455.5'



CHART NO. MC MP-5000-1HR

ETER

HART PUT ON

9/10/14

M

Alamo

TAKEN OFF

SWC

201

M

LOCATION

Attesia State unit #3021

REMARKS

Joshua James

Southwest
Transportation