

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

WELL API NO. 30-015-02658
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-7255
7. Lease Name or Unit Agreement Name WEST ARTESIA GRAYBURG UNIT
8. Well Number 009
9. OGRID Number 274841
10. Pool name or Wildcat Artesia; Queen-Grayburg-San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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 **J** : 2310 feet from the **S** line and 2310 feet from the **E** line
 Section **8** Township **18S** Range **28E** NMPM County **EDDY**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<p>NOTICE OF INTENTION TO:</p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/></p> <p>DOWNHOLE COMMINGLE <input type="checkbox"/></p> <p>OTHER: CLEAN OUT, ADD PERFS, ACIDIZE <input checked="" type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/></p> <p>CASING/CEMENT JOB <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>
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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 03/21/2014

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

APPROVED BY: [Signature] TITLE District Supervisor DATE 3/25/2014

Conditions of Approval (if any):

ALAMO PERMIAN RESOURCES, LLC

WAGU #009 -- CLEAN-OUT, ADD PERFS, & ACIDIZE PROCEDURE

1. MIRU PU & BOP's. Be sure well is dead and blown down.
2. Unseat TAC set at 1,890.69' with 8,000# tension during last workover on well, October 3-4, 2013. Pick up additional joints from 2-3/8" workstring and tag bottom. PBTD was found at 2,298' (10/04/2013) using only a bull-dog bailer, but was cleaned-out to 2,340' during February 1981 workover.

NOTE: Paraffin has been encountered in offset wells. If excessive paraffin is encountered, pour 10 gal diesel down tubing and cut paraffin from tubing string with paraffin knife – pouring additional 5 gal diesel down tubing every knife run; or circulate well with hot water to clean paraffin out of tubing string. Paraffin, iron sulfide, sand, rust, and scale were recovered while cleaning well out to PBTD with bailer in October 2013.

POOH with pump, rods, tubing, & TAC. Visually inspect rods, tubing, & TAC while coming out of hole. Send both Pump & TAC in for Repair/Replacement depending on condition.

Description of downhole equipment run on 10/04/2013:

Description – RUN 10/04/2013		Length	Depth
Tubing	KB	6.00'	6.00'
	61 jts 2 3/8" J55 EUE 8rd Tubing	1885.69'	1891.69'
	1 5 1/2"x2 3/8" TAC w/8K Tension	2.90'	1894.59'
	9 jts 2 3/8" J55 EUE 8rd Tubing	313.52'	2208.11'
	1 2 3/8" Endurance Joint	32.57'	2240.68'
	1 2 3/8" Seating Nipple	1.10'	2241.78'
	1 2 3/8" Muleshoe Joint	18.00'	2259.78'
Rods	1 1 1/4"x22' Polish Rod w/1 1/2" Liner	16.00'	
	1 6.00'x5/8" Pony Sub	6.00'	
	88 5/8" Rods	2200.00'	
	1 20-125x16' - RWBC Pump w/2.00'x7/8" Sub	16.00'	
	Total	2288.00'	

Current Perforations: 2,024' – 2,265' (241' Overall interval) – 33' of perforations (132 holes).
 Planned Perforations: 2,024' – 2,312' (288' Overall interval) – 133' of perforations (356 holes).
 See Wellbore Diagram for perforations detail – updated 03/20/2014.

3. Run in hole with 4-3/4" mill tooth skirted rock bit and 5-1/2" rotating casing scraper on 2-3/8" workstring and clean out wellbore to PBTD at approximately 2,340' (Feb 1981) in order to carry out planned perforations (bottom planned perf at 2,312'). Catch samples of any material recovered from well and send to Tech Management for analysis. Note any bridges or hard streaks in report. While at TD, circulate hole clean using clean produced water from WAGU Water Injection Station. POOH.
4. RU Logging Company and run GRN/CCL log for perforating correlation from TD to base of Surface Casing at 453'. We will work to arrange for either Tom Fekete or Pat Seale to be in field for logging and correlation of GRN/CCL log to original open-hole log run in well for perforating.
5. Perforate the WAGU #009 well over the following 17 intervals using 3-1/8" Hollow-Carrier slick perforating guns with 19-grain charges:

Interval No.	Perf Interval		No. of Ft	SPF	No. of Perfs
	Top	Bottom			
1	2,054'	2,058'	4'	2	8
2	2,062'	2,068'	6'	2	12
3	2,072'	2,076'	4'	2	8
4	2,088'	2,094'	6'	2	12
5	2,103'	2,110'	7'	2	14
6	2,114'	2,116'	2'	2	4
7	2,122'	2,126'	4'	2	8
8	2,150'	2,157'	7'	2	14
9	2,164'	2,172'	8'	2	16
10	2,188'	2,190'	2'	2	4
11	2,192'	2,202'	10'	2	20
12	2,212'	2,218'	6'	2	12
13	2,228'	2,234'	6'	2	12
14	2,241'	2,244'	3'	2	6
15	2,253'	2,265'	12'	2	24
16	2,280'	2,288'	8'	2	16
17	2,295'	2,312'	17'	2	34
TOTALS			112'		224

6. Acidize Perforated Intervals using **Retrievable Packer/Retrievable Bridge Plug method**.
Acid Job Total: 10,700 gal 15% NEFE HCl (80.5 gal/ft of perfs – 30.1 gal/perf) with acid booster, anti-sludge, paraffin solvent, scale inhibitor, and demulsifiers, pumped at 1.0-1.5 BPM.

Trip in hole with rental 5-1/2"x2-1/8" retrievable treating packer, rental 5-1/2" retrievable bridge plug & setting tool on workstring. Acidize the perforations in the following 5 Stages:

CAPACITIES: 2-3/8" 4.7# J-55 EUE Tubing 0.00387 Bbls/ft 258.65 ft/Bbl
5-1/2" 14# J-55 8rd Casing 0.0238 Bbls/ft 42.01 ft/Bbl

STAGE 1: Set RBP @ 2,320'
Set Retrievable Pkr @ 2,248' Treating Interval = 72'

Perfs: 2,253' – 2,265' 12'
2,280' – 2,288' 8'
2,295' – 2,312' 17'
TOTAL 37' of perfs

ACIDIZE with 3,000 gal 15% NEFE HCl (71.4 bbls) + additives at 1.0-1.5 BPM
FLUSH to bottom of perfs with approximately 10.4 Bbls WAGU produced water.
Shut well in for 2 hours for acid to spend.
Open well and flow back into Water Truck & haul flowback to commercial disposal.

STAGE 2: Release Pkr & retrieve RBP
Set RBP @ 2,248'
Set Retrievable Pkr @ 2,208' Treating Interval = 40'

Perfs: 2,212' – 2,218' 6'
2,228' – 2,234' 6'
2,241' – 2,244' 3'
TOTAL 15' of perfs

ACIDIZE with 1,200 gal 15% NEFE HCl (28.6 bbls) + additives at 1.0-1.5 BPM
FLUSH to bottom of perfs with approximately 9.5 Bbls WAGU produced water.
Shut well in for 2 hours for acid to spend.
Open well and flow back into Water Truck & haul flowback to commercial disposal.

STAGE 3:

Release Pkr & retrieve RBP

Set RBP @ 2,208'

Set Retrievable Pkr @ 2,145'

Treating Interval = 63'

Perfs:	2,150' – 2,157'	7'
	2,164' – 2,172'	8'
	2,188' – 2,190'	2'
	2,192' – 2,202'	<u>10'</u>
	TOTAL	27' of perfs

ACIDIZE with 2,200 gal 15% NEFE HCl (52.4 bbls) + additives at 1.0-1.5 BPM

FLUSH to bottom of perfs with approximately 9.8 Bbls WAGU produced water.

Shut well in for 2 hours for acid to spend.

Open well and flow back into Water Truck & haul flowback to commercial disposal.

STAGE 4:

Release Pkr & retrieve RBP

Set RBP @ 2,145'

Set Retrievable Pkr @ 2,098'

Treating Interval = 47'

Perfs:	2,103' – 2,110'	7'
	2,114' – 2,116'	2'
	2,122' – 2,126'	4'
	2,130' – 2,140'	<u>10'</u>
	TOTAL	23' of perfs

ACIDIZE with 1,900 gal 15% NEFE HCl (45.2 bbls) + additives at 1.0-1.5 BPM

FLUSH to bottom of perfs with approximately 9.4 Bbls WAGU produced water.

Shut well in for 2 hours for acid to spend.

Open well and flow back into Water Truck & haul flowback to commercial disposal.

STAGE 5:

Release Pkr & retrieve RBP

Set RBP @ 2,098'

Set Retrievable Pkr @ 2,016'

Treating Interval = 82'

Perfs:	2,024' – 2,034'	10'
	2,054' – 2,058'	4'
	2,062' – 2,068'	6'
	2,072' – 2,076'	4'
	2,088' – 2,094'	<u>6'</u>
	TOTAL	30' of perfs

ACIDIZE with 2,400 gal 15% NEFE HCl (57.1 bbls) + additives at 1.0-1.5 BPM

FLUSH to bottom of perfs with approximately 9.8 Bbls WAGU produced water.

Shut well in for 2 hours for acid to spend.

Open well and flow back into Water Truck & haul flowback to commercial disposal.

7. Release packer & retrieve RBP. POOH. Have water truck on hand to kill well if it tries to come in during trip.
8. Trip in hole with 2-3/8" workstring with muleshoe on bottom & tag for fill. Circulate hole clean with water truck using clean produced water from the WAGU Water Station. POOH.
9. Run in hole with 2-3/8" tubing & 5-1/2"x2-3/8" TAC.
Be sure to replace 18' – 2-3/8" Muleshoe Joint below Seating Nipple with 2-3/8" Slotted Sub with X-overs to 2-7/8" EUE J-55 8rd Mud Anchor with BP on bottom.

10. Pressure test tubing to 5,000 psig while going in hole.
Set TAC at +/- 1,950'. Run pump & rods. Check pump for good pump action. RDMO Pulling Unit rig.
11. Return well to production and report daily tests to Midland Office;

H. Patrick Seale
March 20, 2014

ALAMO PERMIAN RESOURCES, LLC
WELLBORE DIAGRAM

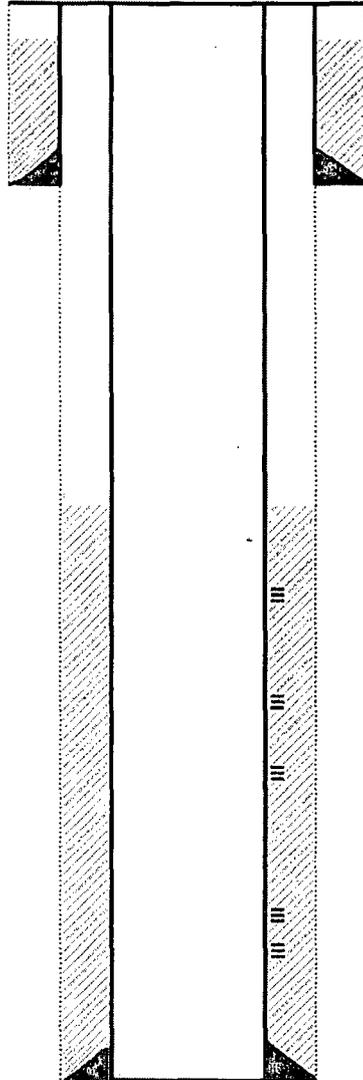
Lease/Well No. **WAGU No. 009** ELEVATION, GL: 3,631 ft
 Location: 2,310' FSL & 2,310' FEL
 UL: J, SEC: 8, T: 18-S, R:28-E FIELD: ARTESIA: QN-GB-SA
 EDDY County, NM
 LEASE No.: State E-7255 Spudded: 12/30/1957
 API No.: 30-015-02658 Drlg Stopped: 2/6/1958
 Completed: 2/8/1958

CABLE TOOLS

LAT:
LONG:

10" HOLE

 Surface Csg:
 8-5/8" 28#
 Csg Set @ 453'
 Cmt'd w/ 50 sx



TOC = 99'	TOPS	DEPTH - FT
Calc'd (75% SF)	SALT	
	YATES	
453'	SEVEN RIVERS	
	QUEEN	
	LOCO HILLS	2,020
	GRAYBURG	2,036
	SAN ANDRES	

TOC Est'd @ 1,802'
 Calculated (75% SF)

8" HOLE

PERFS:	Zone	SPF - # Holes	Date
2024 - 2034'	GB - Zone 12	10' 4 spf - 40 holes	02/08/58
	GB - Zone 11		
	GB - Zone 10		
2130 - 2140'	GB - Zone 9	10' 4 spf - 40 holes	02/08/58
	GB - Zone 8		
2197 - 2200'	GB - Zone 7	3' 4 spf - 12 holes	02/08/58
	GB - Zone 6		
	GB - Zone 5		
	GB - Zone 4		
2253 - 2258'	GB - Zone 3	5' 4 spf - 20 holes	02/08/58
2260 - 2265'	GB - Zone 3	5' 4 spf - 20 holes	02/08/58
	GB - Zone 2		
	GB - Zone 1		

Production Csg:
 5 1/2" 14# J-55
 Csg Set @ 2,340'
 Cmt'd w/ 100 sx

2,340' TOTALS: 33' -- 132 holes
 2,340' PBDT (Feb 1981) - 2,298' (10/04/13)
 2,345' TD

Cumulative Prod. (11/30/13):

Originally Drilled as the WILSON STATE #1 by Simms & Reese Oil Company.
 Renamed WAGU Tract 6 #9 - 03/21/68.

OIL 62.501 MBO
 GAS 1.948 MMCF
 WATER 63.326 MBW
 INJECT. MBW

HPS: 03/20/2014

WAGU No. 009

WELL PERFORATION, ACID JOB, FRAC JOB, & WELL TEST DETAILS

PERFS			ACID JOB(S)			FRAC JOB(S)					INITIAL POTENTIAL TEST				
TOP	BOTTOM	ZONE	DATE	ACID GALS	ACID TYPE	DATE	FRAC FLUID GALS	FLUID TYPE	SAND LBS	SAND SIZE	REMARKS	TEST DATE	OIL BOPD	GAS MCFD	WATER BWPD
2,024	2,034	Grayburg									Pre-Frac Test	2/8/1958	20	0	0
2,130	2,140	Grayburg													
2,197	2,200	Grayburg													
2,253	2,258	Grayburg													
2,260	2,265	Grayburg													
2,024	2,034	Grayburg				2/8/1958	60,000	Gelled Oil	90,000	n/a		2/9/1958	60 Flowing	0	0
2,130	2,140	Grayburg													
2,197	2,200	Grayburg													
2,253	2,258	Grayburg													
2,260	2,265	Grayburg													
2,024	2,034	Grayburg	2/25/1981	1,000	15% HCl				10' of perfs 100.0 gal/ft		40 perfs 25.0 gal/perf	2/26/1981	5	0	0
2,130	2,140	Grayburg	2/25/1981	1,000	15% HCl				10' of perfs 100.0 gal/ft		40 perfs 25.0 gal/perf				
2,197	2,200	Grayburg	2/25/1981	1,000	15% HCl				3' of perfs 333.3 gal/ft		12 perfs 83.3 gal/perf				
2,253	2,258	Grayburg	2/25/1981	1,000	15% HCl				10' of perfs 100.0 gal/ft		40 perfs 25.0 gal/perf				
2,260	2,265	Grayburg													