

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

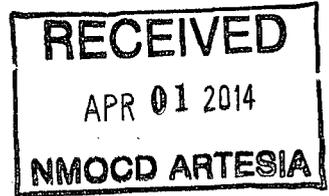
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-02659
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other Injection Well <input 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. E-7255
3. Address of Operator <b>415 W. Wall Street, Suite 500, Midland, TX 79701</b>		7. Lease Name or Unit Agreement Name WEST ARTESIA GRAYBURG UNIT
4. Well Location Unit Letter I : 2310 feet from the S line and 990 feet from the E line Section 8 Township 18S Range 28E NMPM County EDDY		8. Well Number 008
		9. OGRID Number <b>274841</b>
		10. Pool name or Wildcat Artesia; Queen-Grayburg-San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/>  OTHER: CLEAN OUT, ADD PERFS, ACIDIZE <input checked="" type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>  OTHER: <input type="checkbox"/>	
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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 04/01/2014

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

APPROVED BY: [Signature] TITLE Dist R. Johnson DATE 4/1/2014

Conditions of Approval (if any):

## ALAMO PERMIAN RESOURCES, LLC

### WAGU #008 -- CLEAN-OUT, ADD PERFS, & ACIDIZE PROCEDURE

1. MIRU PU & BOP's. Be sure well is dead and blown down.
2. Cannot find any record in files that either Doral Energy Corp. or Alamo Permian Resources has ever worked on the WAGU #008 well at any time since August 2008.

Based on first workovers on other wells, do not expect the tubing to be hung on a TAC, but without any records to go by, need to be cautious and careful when first attempting to pull tubing out of the hole.

Once the rods and pump have been pulled, we should have a good idea of how much tubing is in the well which will allow a calculation of total string weight to be used while pulling the tubing string.

#### **INCLUDE A DETAILED DESCRIPTION OF RODS, TUBING, PUMP, ETC. RECOVERED FROM THE WAGU #008 IN THE MORNING REPORT FOR OUR RECORDS.**

From well records, the PBDT should be between 2,312' and 2,366'. Estimate PBDT to be approximately 2,330' assuming 1 float joint and float shoe on the bottom of the 5-1/2" casing.

Pull out of hole with all tubing and downhole pumping equipment and lay down prior to attempting to tag PBDT. Pick up 2-3/8" workstring and trip in hole to tag bottom 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 real PBDT after initial fill is tagged with bit.

REMEMBER: Paraffin has been encountered in offset wells. If excessive paraffin is encountered, either 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 have been recovered in WAGU wells while cleaning out to bottom.

Visually inspect rods, tubing, & TAC (if present) while coming out of hole. Send both Pump & TAC (if present) in for Repair/Replacement depending on condition.

Current Perforations: 2,050' – 2,312' (262' Overall interval) – 28' of perforations (112 holes).

Planned Perforations: 2,050' – 2,336' (286' Overall interval) – 117' of perforations (346 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. Tag for fill and clean out well carefully to PBDT estimated at approximately 2,330'. Work bit down to find hard bottom inside casing. 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 Compensated GRN/CCL log for perforating correlation from PBDT to base of Surface Casing at 468'. Show Compensated Neutron Porosity Log curves on both a Sandstone Matrix and a Dolomite Matrix on the log tracks. Have log emailed in to Pat Seale and Tom Fekete upon completion for correlation of GRN/CCL log to original open-hole log run in well for perforating.

5. Perforate the WAGU #008 over the following 19 intervals (15 New Intervals & 4 Re-Perf Intervals) using 3-1/8" Hollow-Carrier slick perforating guns with 19-grain charges:

Interval	Perf Interval		No. of Ft	SPF	No. of Perfs		
	No.	Top					Bottom
1		2,050'	2,056'	6'	2	12	Re-Perf Loco Hills
2		2,064'	2,068'	4'	2	8	
3		2,080'	2,084'	4'	2	8	
4		2,088'	2,092'	4'	2	8	
5		2,095'	2,097'	2'	2	4	
6		2,116'	2,128'	12'	2	24	
7		2,136'	2,140'	4'	2	8	
8		2,152'	2,156'	4'	2	8	
9		2,160'	2,164'	4'	2	8	
10		2,166'	2,171'	5'	2	10	Re-Perf Metex
11		2,180'	2,184'	4'	2	8	Re-Perf Metex
12		2,188'	2,190'	2'	2	4	
13		2,200'	2,205'	5'	2	10	
14		2,222'	2,228'	6'	2	12	Re-Perf Premier
15		2,230'	2,242'	12'	2	24	
16		2,254'	2,258'	4'	2	8	
17		2,272'	2,277'	5'	2	10	Re-Perf Premier
18		2,300'	2,312'	12'	2	24	
19		2,322'	2,336'	14'	2	28	
<b>TOTALS</b>				<b>113'</b>		<b>226</b>	

6. Acidize Perforated Intervals using **Retrievable Packer/Retrievable Bridge Plug method**.  
**Acid Job Total: 9,800 gal 15% NEFE HCl** (average 86.7 gal/ft of perfs – 28.3 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 @ 2,340'  
 Set Retrievable Pkr @ 2,290' Treating Interval = 50'

Perfs: 2,300' – 2,312' 12'  
 2,322' – 2,336' 14'  
**TOTAL 26' of perfs**

**ACIDIZE with 2,350 gal 15% NEFE HCl (56.1 bbls acid) + additives at 1.0-1.5 BPM**  
 FLUSH to bottom of perfs with approximately 10.1 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 @ 2,290'  
 Set Retrievable Pkr @ 2,215' Treating Interval = 75'

Perfs: 2,222' – 2,228' 6'  
 2,230' – 2,242' 12'  
 2,254' – 2,258' 4'  
 2,272' – 2,277' 5'  
**TOTAL 27' of perfs**

**ACIDIZE with 2,200 gal 15% NEFE HCl (52.4 bbls acid) + additives at 1.0-1.5 BPM**  
FLUSH to bottom of perms 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 3:**

Release Pkr & retrieve RBP

**Set RBP @ 2,215'**

**Set Retrievable Pkr @ 2,145'**

**Treating Interval = 70'**

Perfs:	2,152' - 2,156'	4'
	2,160' - 2,164'	4'
	2,166' - 2,171'	5'
	2,180' - 2,184'	4'
	2,188' - 2,190'	2'
	2,200' - 2,205'	<u>5'</u>
	<b>TOTAL</b>	<b>24' of perms</b>

**ACIDIZE with 2,150 gal 15% NEFE HCl (51.2 bbls acid) + additives at 1.0-1.5 BPM**  
FLUSH to bottom of perms with approximately 10.0 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 @ 2,074'**

**Treating Interval = 75'**

Perfs:	2,080' - 2,084'	4'
	2,088' - 2,092'	4'
	2,095' - 2,097'	2'
	2,116' - 2,128'	12'
	2,136' - 2,140'	<u>4'</u>
	<b>TOTAL</b>	<b>26' of perms</b>

**ACIDIZE with 2,100 gal 15% NEFE HCl (50.0 bbls acid) + additives at 1.0-1.5 BPM**  
FLUSH to bottom of perms 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 5:**

Release Pkr & retrieve RBP

**Set RBP @ 2,074'**

**Set Retrievable Pkr @ 2,040'**

**Treating Interval = 34'**

Perfs:	2,050' - 2,056'	6'
	2,064' - 2,068'	<u>4'</u>
	<b>TOTAL</b>	<b>10' of perms</b>

**ACIDIZE with 1,000 gal 15% NEFE HCl (23.8 bbls acid) + additives at 1.0-1.5 BPM**  
FLUSH to bottom of perms with approximately 8.7 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.

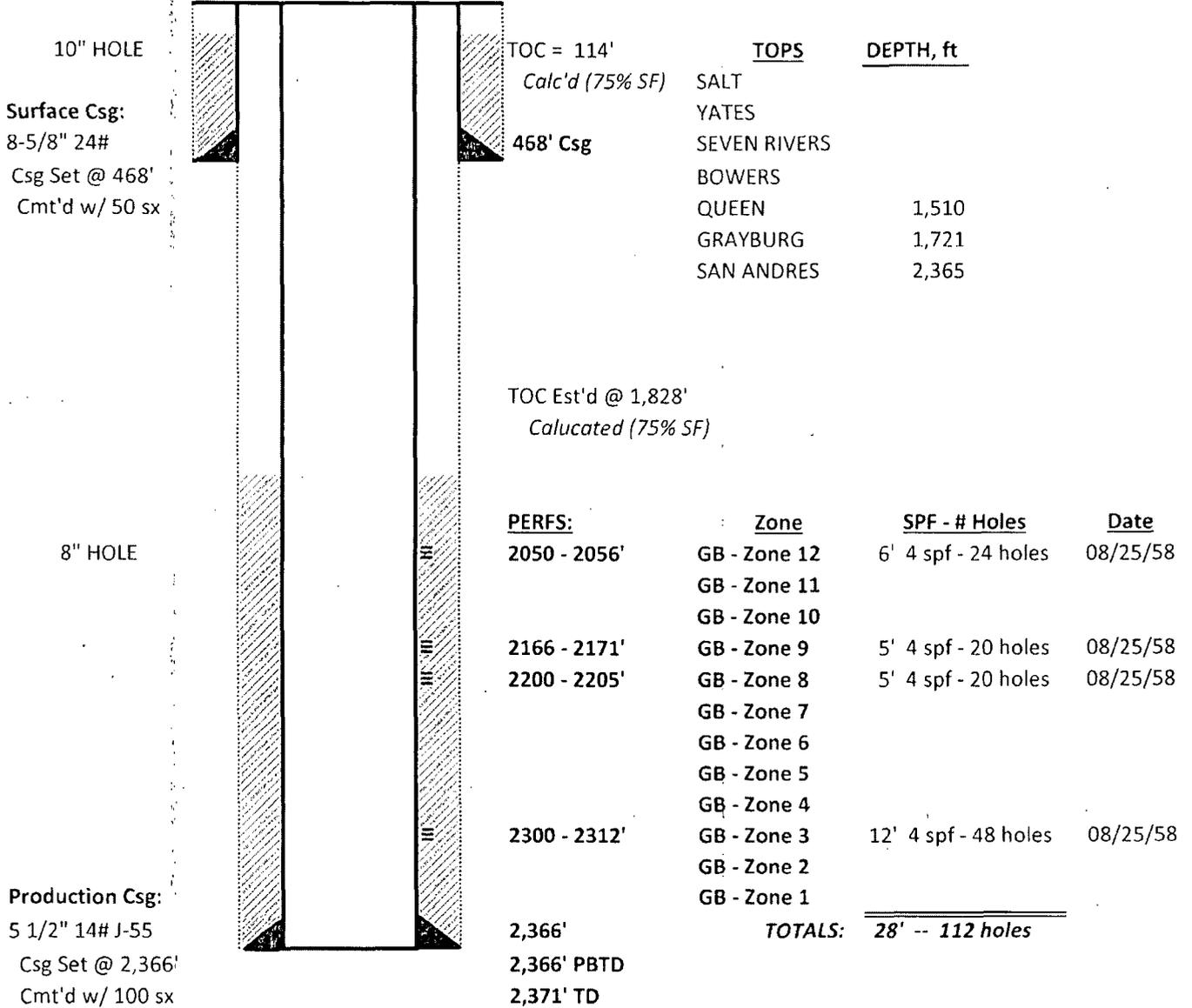
7. Release packer & retrieve RBP. POOH. Have water truck on hand to kill well if it tries to come in during trip.
8. Trip in hole with 2-3/8" workstring with muleshoe on bottom & tag for fill. Circulate hole clean to PBTD with water truck using clean produced water from the WAGU Water Station. POOH.
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. Place Seating Nipple as near bottom of perfs as practical.
10. Pressure test tubing to 5,000 psig while going in hole.  
Set TAC between 1,950'-2,000'. Run pump & rods. Check pump for good pump action. RDMO Pulling Unit rig.
11. Return well to production and report daily production tests to Midland Office.

*H. Patrick Seale*  
*March 31, 2014*

**ALAMO PERMIAN RESOURCES, LLC**  
**WELLBORE DIAGRAM**

Lease/Well No.: **WAGU No. 008** ELEVATION, GL: 3,635 ft  
 Location: 2,310' FSL & 990' FEL  
 UL: I, SEC: 8, T: 18-S, R:28-E FIELD: **ARTESIA: QN-GB-SA**  
 EDDY County, NM  
 LEASE No.: State E-2755 Spudded: 7/14/1958  
 API No.: **30-015-02659** Drlg Stopped: 8/11/1958  
 Completed: 8/25/1958  
 LAT:  
 LONG:

**CABLE TOOLS**



Originally Drilled as Wilson State #2 by Simms & Reese Oil Company.  
 Renamed WAGU Tract 6 #8 - 03/21/68.

**Cumulative Prod. (11/30/13):**

OIL	50.202	MBO
GAS	305.819	MMCF
WATER	58.270	MBW
INJECT.	----	MBW

HPS: 03/31/2014

**WAGU No. 008**

**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
2,050	2,056	Grayburg									Pre-Frac Test	8/25/1958	4	0	0
2,166	2,171	Grayburg													
2,200	2,205	Grayburg													
2,300	2,312	Grayburg													
2,050	2,056	Grayburg				8/25/1958	45,000	Gelled Oil	68,000	n/a		9/1/1958	40	0	0
2,166	2,171	Grayburg											Flowing		
2,200	2,205	Grayburg													
2,300	2,312	Grayburg													
2,050	2,056	Grayburg	1/10/1981	1,000	15% HCl				6' of perfs		24 perfs	1/11/1981	5	0	0
2,166	2,171	Grayburg	1/10/1981	1,000	15% HCl				166.67 gal/ft of perfs		41.67 gal/perf				
2,200	2,205	Grayburg	1/10/1981	1,000	15% HCl				10' of perfs		40 perfs				
2,300	2,312	Grayburg	1/10/1981	1,000	15% HCl				100.00 gal/ft of perfs		25.00 gal/perf				
2,050	2,056	Grayburg	1/10/1981	1,000	15% HCl				12' of perfs		48 perfs				
2,166	2,171	Grayburg	1/10/1981	1,000	15% HCl				83.33 gal/ft of perfs		20.83 gal/perf				