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DIFFERENT RESERVOIR OSE SERVET (FORM C-10) FOR SUCH       8. Well Number 008         1. Type of Null: Oil Well (2) Gas Well (2) Other Injection Well (2)       9. OGRID Number 274841         2. Name of Operator       214841         3. Address of Operator       10. Pool Janko of Wildcat         415 W. Wall Street, Sources, LLC       274841         3. Address of Operator       11. Bread Sources, LLC         4. Well Location       10. Pool Janko of Wildcat         4. Well Location       11. Elevation (Skow whether DR, RKB, RT, GR, etc.)         1. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data         NOTICE OF INTENTION TO       SUBSEQUENT REPORT OF:         PERFORM REPORT OR (2)       11. Elevation (Skow whether DR, RKB, RT, GR, etc.)         1. Perform REPORT OF:       ALTERING CASING (2)         PERFORM REPORT OF (2)       11. Elevation (Skow whether DR, RKB, RT, GR, etc.)         1. Decribe propeed or completed aperations. (Clearly state all pertinent details, and give pertinent data; including estimated date of starting any proposed or completed operations. (Clearly state all pertinent details, and give pertinent data; including estimated date of starting any proposed or completion.         SEE ATTACHED       ITTLE Regulatory Affairs Coordinator         NMOCD ARTESIA       MMOCD ARTESIA         NMOCD ARTESIA       MMOCD ARTESIA         NMOCD ARTESIA       MMOCD ARTESIA	(DO NOT USE THIS FORM FOR PROP	OSALS TO DRILL OR TO DEEPEN OR PLUG BAC	KTOA WEST ART	ESIA GRAYBURG UNIT		
PERFORME       Quere Viell:       Quere Viell:       Quere Viell:       Quere Viell:       Quere Viell:         2. Name of Operator       9. OGRID Number       Quere Viell:       Quere Viell:       Quere Viell:         3. Address of Operator       10. Pool name or Wildeat       Quere Viell:       Quere Viell:         4. Woll Location       Unit Letter 1: 2310       Feet from the S. line and 990       Feet from the E. line         Section 8       Township 18S       Range 28E       NMPM       County EDDY         11. Elevation (Story whether DR, RKB, R7, OR, etc.)       11. Elevation (Story whether DR, RKB, R7, OR, etc.)       Quere Viell:         12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data       NOTICE OF INTENTION TO:       SUBSEQUENT REPORT OF:         PERFORM REMEDIAL WORK       PLUG AND ABANDON       ComMerce DRILLING OFNS:       PAND A       Quere Viell:         DOWNHOLE COMMINGLE       UNITIPLE COMPL       COMMERCE DRILLING OFNS:       PAND A       Quere Viell:         13. Describe proposed completed operations.       (Clearly state all pertinent detaits, and give pertinent dates, including estimated date of starting any proposed work). SER RULE 19:15:7:14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion.         SEE ATTACHED       Interestive and complete to the best of my knowledge and belief.         SIONATURE       ATTACHED	DIFFERENT RESERVOIR. USE "APPI	ICATION FOR PERMIT" (FORM C-101) FOR SUCI	i .			
	PROPOSALS.)		8. Well Nun	ber 008		
2. Name of Operator       9. OGRUD Number         3. Address of Operator       10. Pool name or Wildeat         4. Well Location       10. Pool name or Wildeat         4. Well Location       11. Elevation from the S. line and 990 feet from the E line         Section 8       Township 18S       Range 28E       NAPM         County EDDY       11. Elevation (Show whether DR, RKB, RT, GR, etc.)       Inteleter (1)       County EDDY         Iteleter (1)       2310 feet from the S. line and 990 feet from the E line         Section 8       Township 18S       Range 28E       NAPM       County EDDY         Iteleter (1)       Classing Cla	1. Type of well: Of well	Gas well Other Injection Well				
An and Perman Resources. LLC       274341         3. Address of Operator       10. Pool farme or Wildest         415 W. Wall Street/Suite 500, Midland, TX 79701       10. Pool farme or Wildest         4. Well Location       Unit Letter; 1: 2310       feet from the S       line and 990       feet from the E       line         Section       8       Township       18S       Range       28E       NMPM       County       EDDY         11. Elevation (Show whether DR. REB. RT, OR. etc.)       11. Elevation (Show whether DR. REB. RT, OR. etc.)       SubSEQUENT REPORT OF:         Permorm RemoDal WORK       Put Dato Abashoon         RemoDal Work       Autremo Casins           PutL OR ALTER CASING       MULTIPLE COMPL       Configure of Among Casins         Autremo Casins           OWHER:       CLEAN OUT, ADD PERES, ACIDIZE       OTHER:       CLEAN OUT, ADD PERES, ACIDIZE       OTHER:       ID and a log is 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       Information above is true and complete to the best of my knowledge and belief.         SIGNATURE       Autremation above is true and complete to the best of my knowledge and belief.         SIGNATURE       Autremation above is true and	2. Name of Operator	· ·	9. OGRID N	lumber		
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41. We Wall Street, Suite Suit, Windland, TX 19701       Artesiz, Queen-Grayburg-Sah Andres         4. Well Location       Unit Letter, I: 2310       feel from the S line and 990       feel from the E line         Section 8       Township 188       Range 28E       NMPM       County EDDY         11. Elevation ( <i>Rhow whether DR</i> , <i>RKB</i> , <i>RT</i> , <i>GR</i> , <i>etc.</i> )       Iteration ( <i>Show whether DR</i> , <i>RKB</i> , <i>RT</i> , <i>GR</i> , <i>etc.</i> )       Iteration         12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data         NOTICE OF INTENTION TO:         SUBSEQUENT REPORT OF:         REMEDAIL WORK       ALTERING CASING         Others Colomation Colspan="2">Autor Subsequent Report or Other Data         DOWNHOLE COMMINGLE         OTHER:       CasiNG/CEMENT JOB         OTHER:       Clearly state all periment deails, and give periment 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 of recompletion.         SEE ATTACHED         Itereby certify that the information above is true and complete to the best of my knowledge and belief.         SIGNATURE         OTHER:       Carliestop of the field complete in the starter of the best of my knowledge and belief.         SIGNATURE	3. Address of Operator		10. Pool nan	ne or Wildcat		
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Unit Letter; I: 2310       feet from the S       line and 990       feet from the E       line         Section 8       Township       188       Range       28E       NMPM       County       EDDY         11. Elevation (Show whether DR, RKB, RT, GR, etc.)       II. Elevation (Show whether DR, RKB, RT, GR, etc.)       II. Elevation (Show whether DR, RKB, RT, GR, etc.)       III. Elevation (Show whether DR, RKB, RT, GR, etc.)         SUBSEQUENT REPORT OF:         PERFORM REMEDIAL WORK       PLUG AND ABANDON       III. Elevation (Show Whether DR, RKB, RT, GR, etc.)       ALTERING CASING         DOWHOLD COMMINGE       PLUG AND ABANDON       III. Elevation (Show Order DR, etc.)       ALTERING CASING       ALTERING CASING         DOWHOLD COMMINGE       III. Elevation OCOMPLET       MULTIPLE COMPL       IIII. Elevation (Commercial Casing	4. Well Location					
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		11 Elevation (Showwhether DD DKD	$\frac{1}{DT CP ot a} $			
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<ul> <li>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.</li> <li>SEE ATTACHED</li> <li>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</li> <li>SIGNATURE A STARLE STOKER E-mail address: carie@stokeroilfield.com</li> <li>PHONE: 432.664.7659</li> <li>APPROVED BY: TITLE TITLE Action Date Microsoft Approval (if any):</li> </ul>						
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#### 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.

 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 PBTD should between 2,312' and 2,366'. <u>Estimate PBTD to be approximately</u> 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 PBTD. 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 PBTD 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<sup>®</sup>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 <u>PBTD estimated at approximately 2,330</u>. 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 PBTD 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.

WAGU #008

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	1	Perf Ir	nterval				
<u>No.</u>	4	Тор	Bottom	<u>No. of Ft</u>	<u>SPF</u>	No. of P	erfs
1	l.	2,050'	2,056	6'	2	12	Re-Perf Loco Hills
2	i)	2,064'	2,068'	· 4'	2	8	I.
3	1	2,080'	2,084'	4'	2	8	
4	1	2,088'	2,092'	4'	2	8	
5	1	2,095'	2,097'	2'	2	4	•
6		2,116'	2,128'	12'	2	24	,
7	;	2,136'	2,140'	4'	2	8	
8	į.	2,152'	2,156'	4'	2	8	t
9		2,160'	2,164'	4'	2	8	*
10	1	2,166'	2,171'	5'	2	10	Re-Perf Metex
11		2,180'	2,184'	4'	2	8	
12	IJ	2,188'	2,190'	2'	2	4	
13		2,200'	2,205'	5'	2	10	Re-Perf Metex
14	\$	2,222'	2,228'	6'	2	12	
15		2,230'	2,242'	12'	2	24	
16	ł.	2,254'	2,258'	4'	2	. 8	1
17	1	2,272'	2,277'	5'	2	10	
18	Ś.	2,300'	2,312'	12'	2	24	Re-Perf Premier
19	Į.	2,322'	2,336'	<u>14'</u>	2	<u>28</u>	!
TOTALS	Ť			113'		226	į
	2						

 Acidize Perforated Intervals using Retrievable Packer/Retrievable Bridge Plug method. <u>Acid Job Total: 9,800 gal 15% NEFE HCI</u> (average 86.7 gal/ft of perfs – 28.3 gal/perf) with acid booster, anti-sludge, paraffin solvent, scale inhibitor, and demulsifiers, <u>pumped at 1.0-1.5 BPM</u>.

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 5-1/2" 1	.7# J-55 EUE Tubir 4# J-55 8rd Casing	ng .	0.00387 Bbls/ft 258.65 ft/Bbl 0.0238 Bbls/ft 42.01 ft/Bbl					
STAGE 1:	Set RB Set Ret	P @ 2,340' rievable Pkr @ 2,2	:90'	Treating Interval = 50'					
	Perfs:	2,300' - 2,312'	12'						

2,322' – 2,336' <u>14'</u> TOTAL **26'** of perfs

ACIDIZE with 2.350 gal 15% NEFE HCI (56.1 bbls acid) + additives at 1.0-1.5 BPM FLUSH to bottom of perfs with approximately <u>10.1 Bbls WAGU produced water</u>. 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'

2.222' - 2.228'

2,230' - 2,242'

2,254' - 2,258'

2,272' - 2,277'

TOTAL

Perfs:

Treating Interval = 75'

WAGU #008

Page 2 of 4

6'

12'

4'

5'

27' of perfs

ACIDIZE with <u>2,200 gal 15% NEFE HCI</u> (52.4 bbls acid) + additives at 1.0-1.5 BPM FLUSH to bottom of perfs with approximately <u>10.4 Bbls WAGU produced water</u>. 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' 2,188' - 2,190' 2,200' - 2,205' 5 TOTAL 24' of perfs ACIDIZE with 2,150 gal 15% NEFE HCI (51.2 bbls acid) + additives at 1.0-1.5 BPM FLUSH to bottom of perfs 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' 4' TOTAL 26' of perfs ACIDIZE with 2,100 gal 15% NEFE HCI (50.0 bbls acid) + 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 5: Release Pkr & retrieve RBP Set RBP @ 2,074' Set Retrievable Pkr @ 2,040' Treating Interval = 34' 6' Perfs: 2,050' - 2,056'2,064' - 2,068' 4 TOTAL 10' of perfs ACIDIZE with 1,000 gal 15% NEFE HCI (23.8 bbls acid) + additives at 1.0-1.5 BPM FLUSH to bottom of perfs 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.
- 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.
- 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

### WAGU No. 008

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

	PERFS				ACID JOB(S	)	FRAC JOB(S)						INITIAL POTENTIAL TEST				
-	ТОР	BOTTOM	ZONE	DATE	ACID GALS	ACID TYPE	DATE	FRAC FLUID GALS	FLUID TYPE	SAND	SAND SIZE	REMARKS	TEST	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	Gravburg	1/10/1981	1.000	15% HCI			<b>6' of perfs</b>		74 nerfs	1/11/1981	5	n	0		
	2,000	2,000	on your b	_,,	2,000						nerfs	41.67 gal/nerf	1, 11, 1501	2	Ŭ	Ū	
	2,166	2,171	Gravburg	1/10/1981	1,000	15% HCI			10' of perfs		40 perfs						
	2,200	2,205	Grayburg						100.00 aal/ft of perfs		25.00 gal/perf						
										5	,						
	2,300	2,312	Grayburg	1/10/1981	1,000	.15% HCI				12' of perfs		48 perfs					
			-						8	3.33 gal/ft of p	erfs	20.83 gal/perf					

**COMPLETION & TEST DETAILS** 

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