

Submit 1 Copy To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103

October 13, 2009

<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. 30-045-35172
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other CLASS II INJECTION		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator WGR Asset Holding Company, LLC		6. State Oil & Gas Lease No.
3. Address of Operator #99 County Rd. 6500, Kirtland NM 87417		7. Lease Name or Unit Agreement Name PATHFINDER AGI
4. Well Location Unit Letter ___ Unit F ___ : ___ 1650 ___ feet from the ___ North ___ line and ___ 2260 ___ feet from the ___ West ___ line Section I Township 29N Range 15N NMPM County San Juan		8. Well Number 001
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5316 ft RKB		9. OGRID Number 273264
		10. Pool name or Wildcat Entrada

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: step rate test ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

RCVD NOV 1 10  
OIL CONS. DIV.  
DIST. 3

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.

Perform step rate test on well pursuant to NMOCD guidelines for conducting step-rate tests. Attached is a rig up diagram giving the mechanical configuration of the well. Since the well is not operational, it has not been injecting. However we did conduct a 10 hr injection test on Thursday October 28, 2010 prior to perforating an additional 38 feet of the Entrada pursuant to a C103 approved on October 29, 2010 and scheduled for Monday November 1, 2010. The step rate test is planned to evaluate the entire injection zone and demonstrate a safe and effective maximum injection pressure and attempt to establish a formation fracture pressure. There have been no fracture treatments of this well. Attached are 1) completion diagram of wellbore 2) history of injection pressures and volumes from original injection test (including ISIP) and 3) proposed injection step-rate schedule and test setup.

The well will be fitted with a BHP recorder and the gauge and recorder will have an appropriate measuring range for the test. The well will have been shut in at least 24hrs after initial injection tests or until shut in pressures indicate the well has stabilized prior to commencing the step-rate test which is scheduled for November 2, 2010. There are 3 steps planned below the .2psi/ft gradient and 3 steps above the break over point (fracture pressure) if it is reached. Rates planned are 0.5, 0.75, 1.0, 1.5, 2.0, 2.5, 3.0 and 3.5 bpm for 20 minutes each which are anticipated to provide all necessary steps for formation evaluation. Sufficient water is available on site for the entire test, all wellhead equipment is rated above anticipated pressures and the casing and bradenhead pressure will be monitored throughout the test. NMOCD is invited to witness the test on November 2, 2010.

Spud Date:

8/8/2010

Rig Release Date:

8/25/2010

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Russell Bentley TITLE Consultant to WGR Operator: WGR Asset Holding Co. LLC DATE October 31, 2010

Type or print name Russell Bentley for Kent McEvers E-mail address: Kent.McEvers@Anadarko.com PHONE: 505-598-5601  
aag@geolex.com phone 505-259-4283

For State Use Only

APPROVED BY: Kathy G. Rios TITLE Deputy Oil & Gas Inspector, District #3 DATE NOV 02 2010

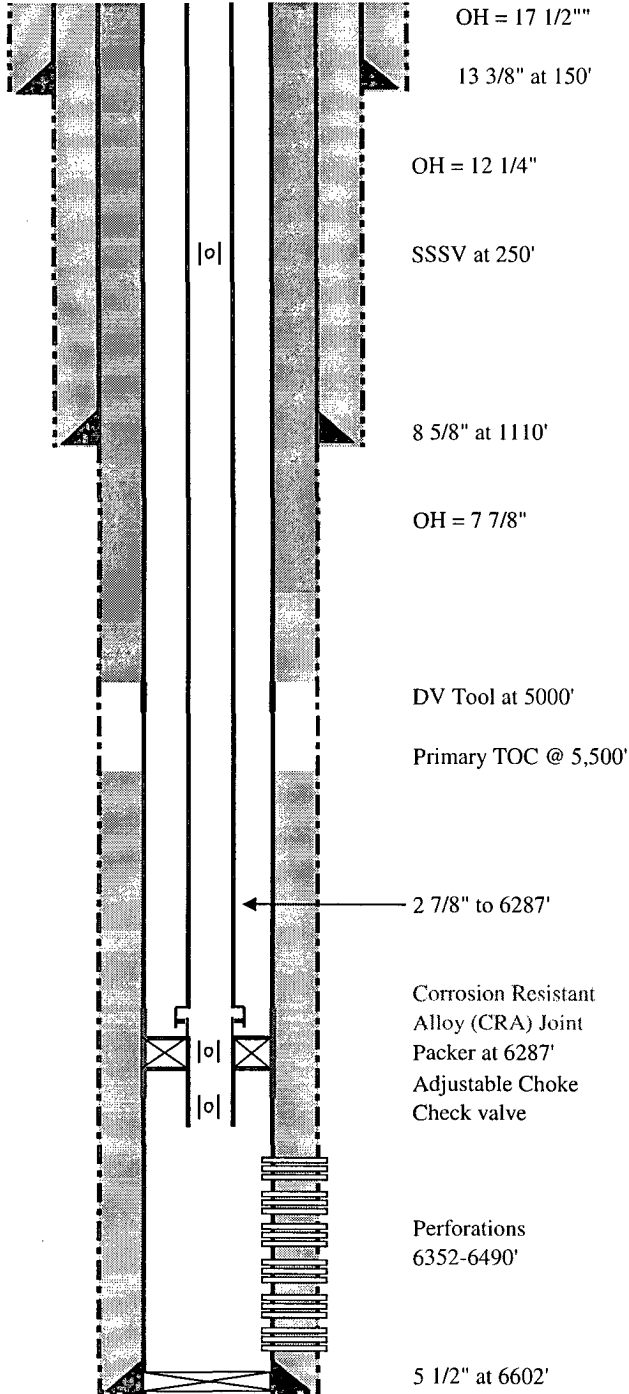
Conditions of Approval (if any): RATE CHANGES MUST REMAIN CONSISTENT UNLESS APPROVED BY NMOCD WITNESS DURING TEST

## PROPOSED WELLBORE

Location:	2310' FWL & 1650' FNL
STR	S1-T29S-R15W
County, St.:	SAN JUAN, NEW MEXICO

## CONDUCTOR CASING

13 3/8", 48.00#/ft, H40, STC at 150'



TD: 6618'

**SURFACE CASING:**

8 5/8", 24.0 #/ft, J55, STC at 1110'

**PRODUCTION CASING:**

5 1/2", 17.0 #/ft, L80, STC at 6602'

#### 4 Squeeze Holes at 2200 ft

**TUBING:**

### Subsurface Safety Valve at 250 ft

2 7/8", 6.5#/ft, L80, Premium thread at 6287'

**PACKER:**

## Permanent Production Packer

Adjustable Choke (optional)

Check valve (optional)

**PERFORATIONS:**

[illegible]

# STIMULATION TREATMENT REPORT



Date 28-OCT-10 District Farmington F.Receipt 1001706827 Customer Anadarko Petroleum Corp (Comp  
 Lease PATHFINDER AGI #1 Well Name PATHFINDER AGI #1  
 Field SWD Location 1-29N-15W  
 County San Juan State New Mexico Stage No 1 Well API - API 30045351720000

WELL DATA		Well Type:	NEW	Well Class:	DISPOSAL	Depth TD/PB:	6620	Formation:				
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top	Bottom	Perf Intervals	Top	Bottom	SPF	Diameter
TUBULAR	TBG	2.875	6.5	2.441	L-80	0	6365					
TUBULAR	CSG	5.5	17	4.892	L-80	0	6620		6352	6490	3	.34
COMPLETION						6392	6490					

Packer Type \_\_\_\_\_ Packer Depth \_\_\_\_\_ FT

TREATMENT DATA					LIQUID PUMPED AND CAPACITIES IN BBLS			
Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)				
TREATMENT FLUID	H2O		NO PROPPANT					
Total Prop Qty: _____					Tubing Cap.	36		
					Casing Cap.	.6		
					Annular Cap.	0		
					Open Hole Cap.	0		
					Fluid to Load	0		
					Pad Volume	0		
					Treating Fluid	0		
					Flush	36.6		
					Overflush	0		
					Fluid to Recover	0		

Previous Treatment UNKNOWN Previous Production UNKNOWN  
 Hole Loaded With \_\_\_\_\_ Treat Via: Tubing ☒ Casing ☐ Anul. ☐ Tubing & Anul. ☐  
 Ball Sealers: \_\_\_\_\_ In \_\_\_\_\_ Stages Type \_\_\_\_\_  
 Auxiliary Materials \_\_\_\_\_

## PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLS. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
06:30						On location
08:30						Safety meeting
08:48						Pressure test lines to 3500 psi
08:56	680	460	2.5	2.5	.5	Start inj. test
09:01	970	460	5	7.5	1	st. 1 bpm
09:07	1320	450	9	16.5	1.5	st. 1.5 bpm
09:13	1810	400	12	28.5	2	st. 2 bpm
09:17	2014	300	12	40.5	3	st. 3 bpm
09:23	2025	200	24	52.5	3	Start 24 bbls 15% HCL
09:30	1915	0	9	61.5	3.1	st. fw flush
09:34	2210	0	12	73.5	4	st. 4 bpm
09:43	1757	0	36	109.5	2	Start 2 bpm
14:01	1650	0	516	625.5	1.5	Start 1.5 bpm
17:11	1565	0	258	883.5	1	Start 1 bpm
19:02	1350	0	156	1040	0	Shut down , ISIP 1350 psi
19:07	1194	0	0	0	0	5 min
19:12	1120	0	0	0	0	10 min
19:17	1076	0	0	0	0	15 min
19:19						Shut in well

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep.	
Minimum	680	Treating Fluid	3	ISDP		BJ Rep.	CHUCK
Maximum	2210	Flush	4	5 Min.	1194	Job Number	1001706827
Average	1445	Average	2	10 Min.	1120	Rec. ID No.	
Operators Max. Pressure 2500				15 Min.	1076	Distribution	
				Final	1076 In 15 Min.		
				Flush Dens. lb./gal.	8.34		

**Step Rate Test Schedule**

1. **(Step Rate Test)** RU pump truck and perform Step Rate test following NMOCD guidelines for step-rate tests and according to the following schedule:

Step	Injection Rate		Time	Cumulative Time	Bbls Pumped	Cum. Bbls
	(bpm)	(gpm)				
1	0.50	21	20 min	20 min	10.0	10.0
2	0.75	31	20 min	40 min	15.0	25.0
3	1.00	42	20 min	60 min	20.0	45.0
4	1.50	63	20 min	80 min	30.0	75.0
5	2.00	84	20 min	100 min	40.0	115.0
6	2.50	105	20 min	120 min	50.0	165.0
7	3.00	126	20 min	140 min	60.0	225.0
8	3.50	147	20 min	160 min(1hr40min)	70.0	295.0

SEE CONDITION OF APPROVAL ON APPROVED C-103 NOTICE  
OF INTENT