

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. 30-015-21487
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-11083
7. Lease Name or Unit Agreement Name ARTESIA STATE UNIT
8. Well Number 701
9. OGRID Number 274841
10. Pool name or Wildcat Artesia; Queen-Grayburg-San Andres

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 B : 10 feet from the N line and 2580 feet from the E line Section 23 Township 18S Range 27E NMPM County EDDY	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
	CASING/CEMENT JOB ☐
OTHER: CLEAN OUT, ADD PERFS, ACIDIZE ☒	OTHER: ☐

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
OCT 03 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 09/30/2014

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

APPROVED BY: [Signature] TITLE Dist. Rep. Supervisor DATE 10/8/14
Conditions of Approval (if any):

ALAMO PERMIAN RESOURCES, LLC

ARTESIA STATE UNIT #701 WIW CLEAN-OUT, ADD PERFS, & ACIDIZE PROCEDURE

1. MIRU PU & BOP's. Be sure well is dead and blown down. If well tries to flow back – flow well back either into water truck(s) if flowback is weak, or via temporary poly line to Artesia State Unit Water Station inlet tank, if flowback appears to be strong. In either case, take flowback to Artesia State Unit Water Station inlet water tank.
2. **THIS WELL HAS 4-1/2" 10.5# J-55 PRODUCTION CASING.**
We will need to use the 2-3/8" workstring for this workover.

We have never pulled this well since its acquisition from CBS Operating Corp. in 2010. We have been able to inject water into this WIW up until the present – hopefully, we will not have as much trouble cleaning the wellbore out as we did with the ASU #502 & ASU #902 WIW's.

Based on the other Artesia State Unit WIW's – we can most probably expect to find a great deal of hard black scale, sand, paraffin, iron sulfide, salt, etc. filling the wellbore, covering most of the injection perfs.

NOTE:

- ❖ The last recorded workover on this well was a pulling job by CBS Operating from July 23, 2003 to August 1, 2003. **SEE ATTACHED COPY OF MORNING REPORTS.**
- ❖ **A CASING LEAK was Repaired** by circulating 21 sacks of cement down the 4-1/2" x 8-5/8" annulus through a 1" tubing string from 36' to the surface.
- ❖ The 4-1/2" casing string was successfully pressure tested above 1,561' to 550 psig with no leaks and the well was returned to injection. Records show that a Watson J-Lock tension packer was run in the hole & set @ 1,561' with 10,000# of tension.

PROVIDE A DETAILED TALLY & DESCRIPTION OF TUBING, INJECTION PACKER AND ANY OTHER DOWNHOLE EQUIPMENT PULLED FROM THIS WELL IN THE MORNING REPORT FOR OUR RECORDS.

Visually inspect Injection Tubing & Injection Packer coming out of hole. Send Injection Packer in for Repair/Replacement depending on condition.

Current Perforations: 1,633' – 1,813' (180' Overall interval) – 32' of perforations (64 holes).
Planned New Perforations: 1,374' – 1,843' (469' Overall interval) – 60' of perforations (120 holes).
Total Perfs after W/O: 1,374' – 1,843' (469' Overall Interval) – 60' of perforations (184 holes).

See Wellbore Diagram for perforations detail – updated 09/10/2014.

3. Run-in hole with a 3-1/2" mill tooth skirted rock bit and 4-1/2" rotating casing scraper on 2-3/8" workstring and clean out wellbore to PBTD at +/- 1,960'. 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 Artesia State Unit or WAGU Water Injection Station. POOH with bit and scraper.

REMEMBER: Paraffin has been encountered in offset wells. If excessive paraffin is encountered, pour 10 gal of 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 & paraffin solvent chemicals to clean paraffin out of tubing string. Paraffin, iron sulfide, sand, rust, and scale have been recovered in many of these old wells while cleaning out to bottom.

4. RU Logging Company and run GRN/CCL log for perforating correlation from PBTD at +/- 1,960' to base of Surface Casing at 290'.

Log should show porosity based on Sandstone Matrix, Dolomite Matrix, & Limestone Matrix.

Email log directly from wellsite to Pat Seale at pseale@alamoresources.com and Tom Fekete at jordanrubicon@msn.com.

We will review GRN/CCL log and perms for correlation to old GRN/CCL log run on 07/03/1975, prior to perforating.

5. Perforate the **ARTESIA STATE UNIT #701 WIW** well over the following **11 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	Zone
	Top	Bottom				
1	1,374'	1,388'	14'	2	28	QN – Penrose SS
2	1,631'	1,637'	6'	2	12	QN – Loco Hills SS
3	1,642'	1,648'	6'	2	12	QN – Loco Hills SS
4	1,706'	1,710'	4'	2	8	GB – Upper Grayburg
5	1,742'	1,744'	2'	2	4	GB – Metex
6	1,748'	1,754'	6'	2	12	GB – Metex
7	1,763'	1,767'	4'	2	8	GB – Metex
8	1,781'	1,784'	3'	2	6	GB – Metex
9	1,804'	1,814'	10'	2	20	GB – Metex
10	1,824'	1,826'	2'	2	4	GB – Metex
11	1,840'	1,843'	3'	2	6	GB – Metex
TOTALS			60'		120 Perfs	

6. **Acidize LOCO HILLS, UPPER GRAYBURG, & METEX Perforated Intervals from 1,631' - 1,843':**

- 212' Overall;
- 46' of perforations
- 156 perforations (92 New + 64 Old perms)

in 4 Stages using Rock Salt for Diversion of acid during Job.

Acid Job Total:

- **8,000 gal 15% NEFE HCl (190.5 Bbls)**
- **173.9 gal/ft of perms**
- **51.3 gal/perf)**

with acid booster, anti-sludge, paraffin solvent, scale inhibitor, and demulsifiers, **pumped at 5.0-6.0 BPM.**

- Run in hole with Treating Packer on 2-3/8" workstring with Retrievable Bridge Plug setting tool and RBP below packer.
- Set Retrievable Bridge Plug at approximately **1,900'**.
- Set Treating Packer at approximately **1,570'**.

Acidize the perforations in 4 Stages using Rock Salt as diverting agent between Stages:

STAGE 1: **SPOT 145 gal 15% NEFE HCl (3.1 bbls)** across Perfs from 1,631'-1,843' (212') inside the 4-1/2" 10.5# production casing in the well.

Pick up Retrievable Packer and Set at approx. 1,570'.

ACIDIZE STAGE 1 with a total of 3,200 gal 15% NEFE HCl (66.7 bbls) + additives, increasing pump rate after breakdown to 5.0-6.0 BPM.

PUMP 400# ROCK SALT in Artesia State Unit or WAGU produced water as Diverting Agent between Stage 1 and Stage 2.

STAGE 2: **PUMP 2,400 gal 15% NEFE HCl ACID (57.1 bbls) + additives at 5.0-6.0 BPM.**

PUMP 400# ROCK SALT in Artesia State Unit or WAGU produced water as Diverting Agent between Stage 2 and Stage 3.

STAGE 3: **PUMP 1,200 gal 15% NEFE HCl ACID (28.6 bbls) + additives at 5.0-6.0 BPM.**

PUMP 400# ROCK SALT in Artesia State Unit or WAGU produced water as Diverting Agent between Stage 3 and Stage 4.

STAGE 4: **PUMP 1,200 gal 15% NEFE HCl ACID (28.6 bbls) + additives at 5.0-6.0 BPM.**

Pump +/- 10.0 Bbls **Fresh Water** to displace acid to bottom of perforations at 1,949'.

Shut-in well and record Shut-In Pressures: Initial Shut-in; 5-minute S/I; 10-minute S/I; & 15-minute S/I.

Leave well Shut-in for 4 hours for acid to spend.

Flow back well into vacuum trucks until it lays down and dies. If well flows back more than 2 truck loads of water — hook up well to line and flowback to Artesia State Unit Water Station until it dies.

Release Treating Packer and unseat Retrievable Bridge Plug.

Re-Set Retrievable Bridge Plug at approximately 1,460'.

7. Acidize new PENROSE SANDSTONE perfs from 1,374' – 1,388':

- 14' Overall;
- 14' of perforations
- 28 perfs

Acid Job Total:

- **2,000 gal 15% NEFE HCl (47.6 Bbls)**
- **142.9 gal/ft of perfs**
- **71.4 gal/perf)**

with acid booster, anti-sludge, paraffin solvent, scale inhibitor, and demulsifiers, **pumped at 5.0-6.0 BPM.**

Re-Set Retrievable Bridge Plug at approximately 1,460'.

Set Treating Packer at approximately 1,320'.

Pump **2,000 gal 15% NEFE HCl plus additives** down tubing at **5-6 BPM** after acid is on perfs and perfs have broken down.

Pump +/- 6.2 Bbls **Fresh Water** to displace acid to bottom of perforations at 1,388'.
Shut-in well and record Shut-In Pressures: Initial Shut-in; 5-minute S/I; 10-minute S/I; & 15-minute S/I.

Shut well in 4 hours for acid to spend.

8. Open well up to flow back into vacuum trucks on location initially. Take the first 2 truckloads of flow back to commercial disposal site. If well should continue to flow back – tie well in to flow back to the Artesia State Unit Water Station inlet tank until it dies. May need to put pulling unit rig on standby during these flowback times in order to keep workover costs down.
9. Release Retrievable Treating Packer, go down and retrieve RBP & POOH with RBP, packer, and workstring. Have water truck on hand to kill well if it tries to come in during trip.
10. Trip in hole with 2-3/8" workstring with muleshoe on bottom & tag for fill to PBTD. Circulate hole clean with water truck using **Fresh Water** at least at least 2 times around in order to dissolve rock salt. POOH with workstring and muleshoe.
11. Run in hole with 2-3/8" internally plastic-coated injection tubing & 4-1/2" Baker Model AD-1 tension Injection Packer.

Pressure test tubing to 5,000 psig while going in hole.

12. Pump & circulate approx. 50 Bbls of packer fluid into tbg/csg annulus – get clear returns.

Set Baker Model AD-1 tension Injection Packer at a depth of approximately **1,320'**.

PACKER MUST BE SET WITHIN 100' OF THE TOP INJECTION PERF AT 1,374' – NMOCD RULES.

13. ND BOP and NU injection wellhead.

BE SURE TO REPLACE MASTER VALVE & TREE CAP VALVE WITH 2" FULL-OPENING BALL VALVES ON INJECTION WELLHEAD ASSEMBLY.

14. Pressure up on tubing/casing annulus to 500 psig with pressure recorder chart on pump truck. Hold and record pressure for 30 minutes for MIT. Have NMOCD REPRESENTATIVE on-site as a WITNESS for the MIT IF POSSIBLE. If not available, have chart to send to NMOCD.
15. Run Injection Test on well using produced water from Artesia State Unit or WAGU Water Station and pump truck. Have pressure chart recorder on truck for test. Pump 15 Bbls produced water into well at each of the following rates, allowing pump in pressure to stabilize before going to next rate. Record pump-in rates, volumes pumped, initial pressure, and final pressure for each Test Rate. **DO NOT EXCEED 1,500 psig pumping pressure during test** – if 1,500 psig is reached do not attempt next rate.

Test Rates:

- 0.25 BPM
- 0.50 BPM
- 0.75 BPM
- 1.00 BPM
- 1.50 BPM
- 2.00 BPM

16. Once NMOCD approves MIT test run, hook well up to injection line and begin water injection.

H. Patrick Seale
September 30, 2014

ALAMO PERMIAN RESOURCES, LLC

WELLBORE DIAGRAM

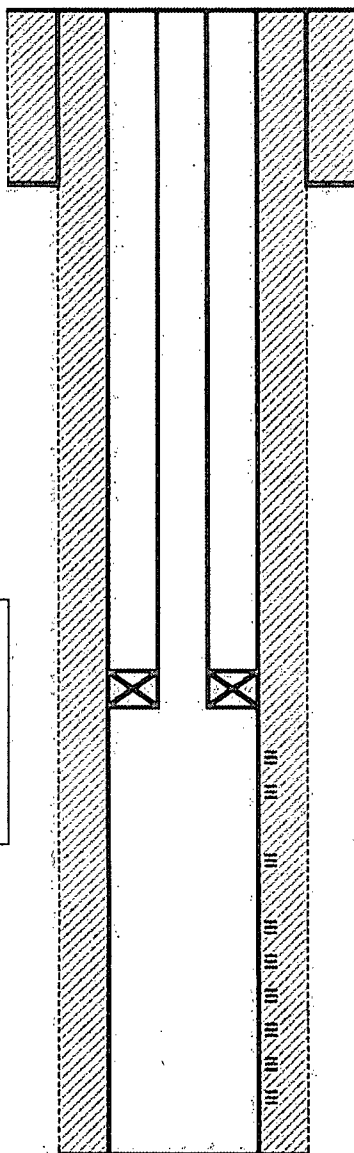
Lease/Well No.: **ARTESIA STATE UNIT #701 WIW** ELEVATION, GL: 3,481 ft
 Location: 10' ENL & 2,580' FEL
 UL: B; SEC: 23, T: 18-S, R: 27-E FIELD: **ARTESIA: QN-GB-SA**
 EDDY County, NM
 LEASE No.: State B-11083 Spudded: 3/6/1975
 API No.: **30-015-21487** Drlg Stopped: 3/10/1975
 Completed: 8/29/1975
 ROTARY DRLG RIG LAT:
 LONG:

12-1/4" HOLE
 Surface Csg:
 8-5/8" 24# J-55
 Csg Set @ 290'
 Cmt'd w/ 160 sx
 + 8 sx Ready Mix

7-7/8" HOLE

2-3/8" 4.7# J-55
 IPC Tubing -
 Watson J-Lock
 Tension Packer
 Set @ 1,561'
 10,000 # Tension
 8/1/2003

Production Csg:
 4-1/2" 10.5# J-55
 Csg Set @ 1,994'
 Cmt'd w/ 660 sx



TOC @ Surface
 Topped Off - 8 sx

290' Csg

TOC @ Surface
 Circulated 35 sx

TOPS (TEF)	DEPTH, ft
YATES	
SEVEN RIVERS	
PENROSE	1,366
LOCO HILLS	1,630
GRAYBURG	1,652
METEX	1,734
PREMIER	1,852
SAN ANDRES	1,902

PERFS:	Zone	SPF - # Holes	Date
1633 - 1637'	QB - Loco Hills	4' 2 spf - 8 holes	08/29/75
1642 - 1645'	QB - Loco Hills	3' 2 spf - 6 holes	08/29/75
1706 - 1710'	GB - Upper GB	4' 2 spf - 8 holes	08/29/75
1742 - 1744'	GB - Metex	2' 2 spf - 4 holes	08/29/75
1748 - 1754'	GB - Metex	6' 2 spf - 12 holes	08/29/75
1763 - 1767'	GB - Metex	4' 2 spf - 8 holes	08/29/75
1781 - 1784'	GB - Metex	3' 2 spf - 6 holes	08/29/75
1805 - 1808'	GB - Metex	3' 2 spf - 6 holes	08/29/75
1810 - 1813'	GB - Metex	3' 2 spf - 6 holes	08/29/75
1,994' Csg	TOTALS:	32' -- 64 holes	
1,960' PBTD (Estimated Based on #502 WIW)			
2,010' TD			

Cumulative Prod. (05/31/14):

OIL	0.000	MBO
GAS	0.000	MMCF
WATER	0.000	MBW
INJECT.	111.428*	MBW

Drilled by ANADARKO PROD. CO. as the Artesia State Unit Tract 7 Well #1 WIW.
 INITIAL WATER INJECTION: 08/29/1975.

*ACTUAL CUM WI 05/31/2014 = 984.758 MBW (NMOCD WELL HISTORY).

HPS: 09/10/2014

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
1,633	1,637	QN-LoCo Hills	8/29/1975	504	15% HCl						14 perfs 36.0 gal/perf				
1,642	1,645	QN-LoCo Hills									7 ft of perfs 72.0 gal/ft				
1,706	1,710	GB-Upper GB	8/29/1975	252	15% HCl						8 perfs 31.5 gal/perf				
											4 ft of perfs 63.0 gal/ft				
1,742	1,744	GB-Metex	8/29/1975	1,008	15% HCl						30 perfs 33.6 gal/perf				
1,748	1,754	GB-Metex													
1,763	1,767	GB-Metex									15 ft of perfs 67.2 gal/ft				
1,781	1,784	GB-Metex													
1,805	1,808	GB-Metex	8/29/1975	252	15% HCl						12 perfs 21.0 gal/perf				
1,810	1,813	GB-Metex									6 ft of perfs 42.0 gal/ft				
1,633	1,637	QN-LoCo Hills	07/23/2003 - 08/04/2003 WORKOVER TO SQUEEZE OFF CASING LEAK												
1,642	1,645	QN-LoCo Hills	Set RBP @ 900'. Perf'd 4 Sqz Holes @ 192' in 4-1/2" Casing. COULD NOT CIRCULATE up between 4-1/2" & 8-5/8" casing strings.												
1,706	1,710	GB-Upper GB	Wellhead parted from casing. Pulled 80,000# - Could Not Release casing slips. Cut Off 8-5/8" Casing Head.												
1,742	1,744	GB-Metex	Went in 4-1/2" x 8-5/8" Annulus with 1" tubing - Tagged TOC @ 36' from surface. Established good circulation into 4-1/2".												
1,748	1,754	GB-Metex	Cemented down 1" with 21 sx cement - cmt at surface. POOH w/1" tubing. Pulled 30,000# on 4-1/2" casing string. Shut-down overnight. WOC.												
1,763	1,767	GB-Metex	Cleaned out well with Bit & Scraper.												
1,781	1,784	GB-Metex	RIH with Watson J-Lock Tension Packer & 2-3/8" IPC Injection Tubing. Set Pkr at 1,561' with 10,000# tension.												
1,805	1,808	GB-Metex	Pressure Tested 4-1/2" casing string from surface to 1,561' to 550 psig - did not leak off.												
1,810	1,813	GB-Metex	Returned well to Injection.												

ARTESIA STATE UNIT WELL NO. 7-1 #701 WTW
API NO. 30-015-21487
10' FNL & 2580' FEL
UL B-23-18S-27E
EDDY COUNTY, NEW MEXICO

LAST WORKOVER ON WELL
BY CBS OPERATING CORP.

July 23, 2003

MI & RU Basic Energy Services. Set BOP. Released packer and POH with tubing. Shut down for night.

July 24, 2003

Picked up 500' of 2-3/8" tubing and plug. RIH and tried to set plug at 500' from surface. Would not set. Dropped plug when we pulled on pipe. RIH with more pipe and tagged plug at 900'. Set plug at 900' and put 2 sacks of sand on top of plug. RIH with wireline and shot 4 holes in 4-1/2" casing at 192' from surface. Tried to circulate out of 8-5/8" casing, could not circulate. Casing filled over. Removed BOP and laid down all tubing. Tubing is all plastic coated, some 8RD and some 10-V. Rigged down.

July 29, 2003

Rigged up and ran spear. Pulled on casing. Pulled 80 points, could not release slips on 4-1/2" casing. Worked on trying to release. Shut down for night.

July 30, 2003

Cut 8-5/8" wellhead. Picked up 1 inch pipe and went in between 4-1/2" & 8-5/8" casing. Tagged at 36' from surface. Shut down for night.

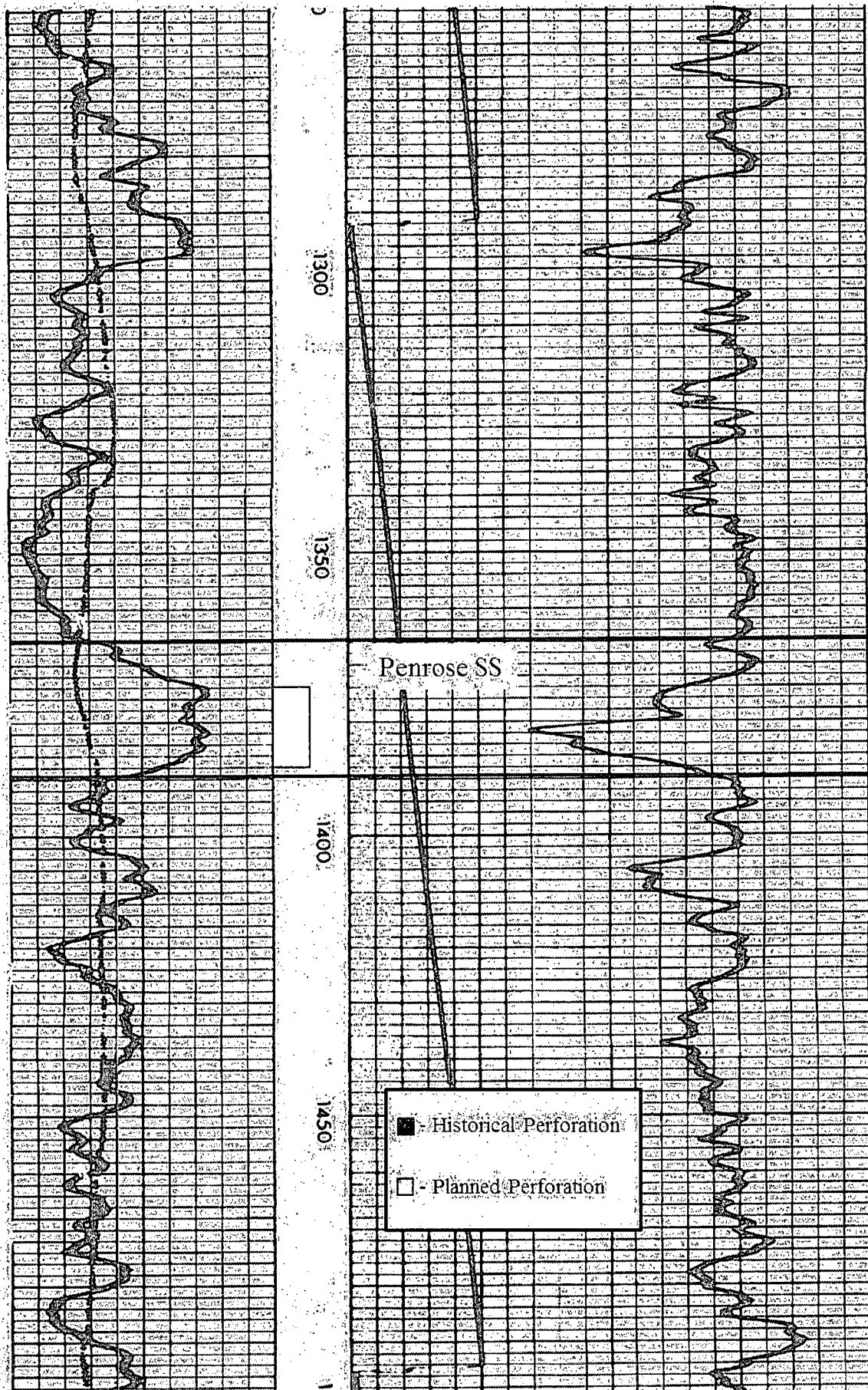
July 31, 2003

Rigged up cement truck and pumped water down 1 inch pipe. Good circulation. Pumped 21 sacks cement, cement at surface. POH with 1 inch pipe. Put 30 points on casing and shut down for night.

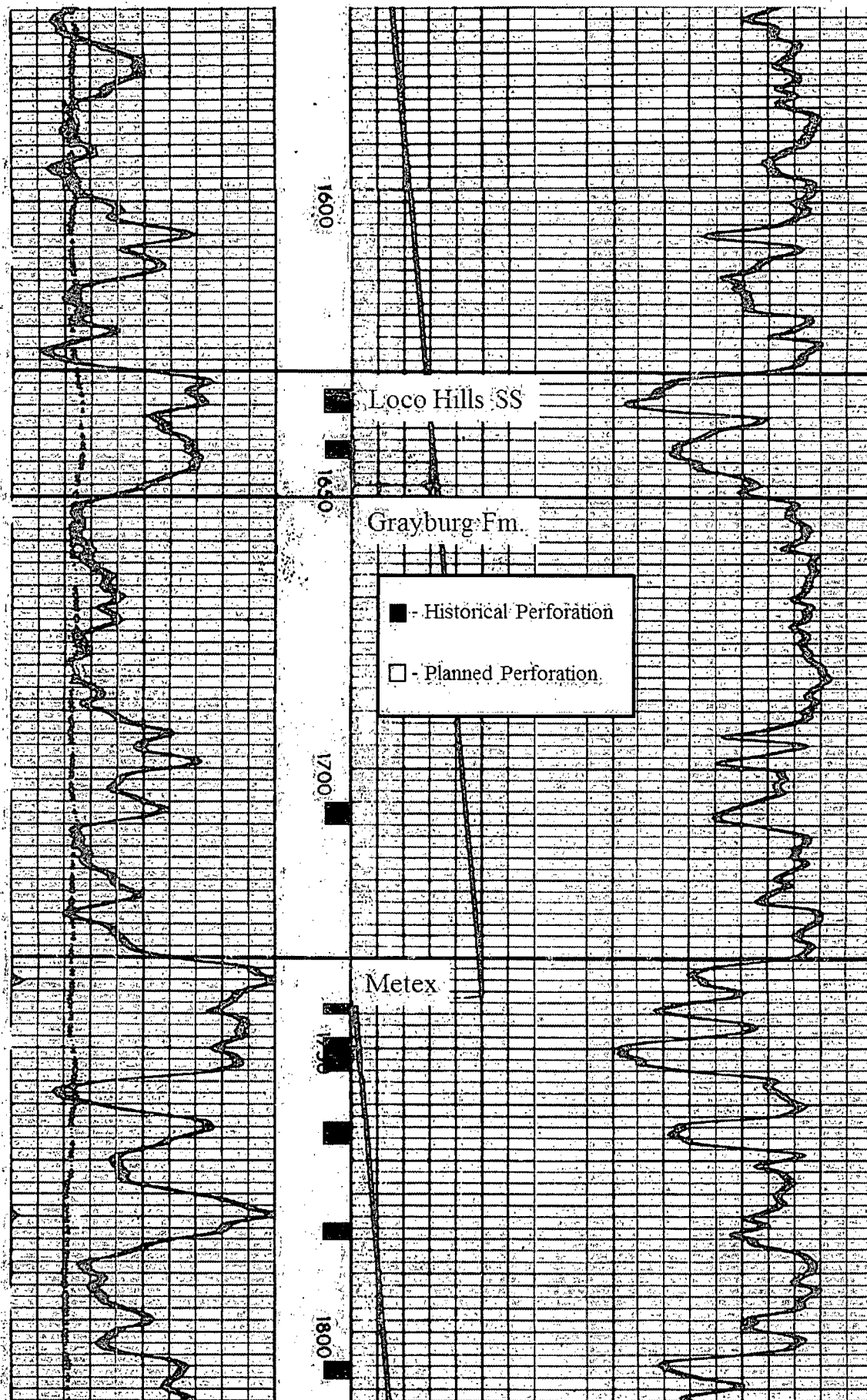
August 1, 2003

Released spear and laid down. Set BOP and picked up tubing and fishing tool. RIH, circulated sand out of hole. Retrieved plug and POH. Laid down plug. RIH with bit and scraper. POH with bit and scraper. RIH with Watson J-Lock packer and tubing. Removed BOP. Set packer at 1561' with 10 points tension. Pressure tested 4-1/2" casing to 550#, did not leak. Rigged down and moved out.

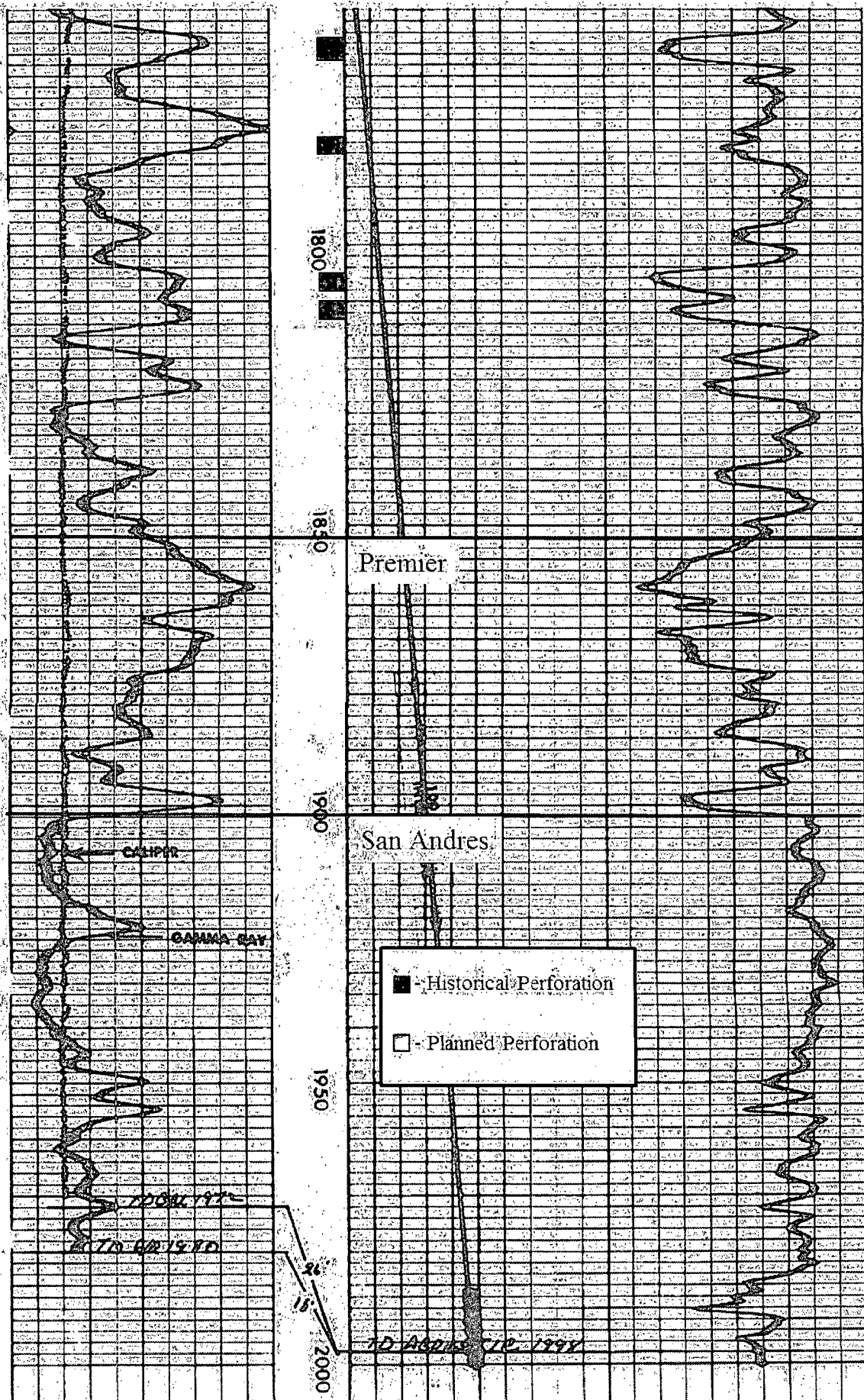
Artesia State #701 WIW



Artesia State #701 WIW



Artesia State #701 WIW



Artesia State #701 WIW

30-015-21487

T-18-S, R-27-E, Sec. 23

10' FNL & 2580' FEL

Reference Elevation = 3490'

Welex		COMPENSATED ACOUSTIC VELOCITY LOG	
COMPANY <u>AMADOR PRODUCTION CO.</u>			
WELL <u>ARTESIA STATE UNIT #701</u>			
FIELD <u>ARTESIA</u>			
COUNTY <u>EDDY</u> STATE <u>NEW MEXICO</u>			
CORRELATION <u>10' FNL & 2580' FEL</u>			
DATE <u>03-10-71</u> TIME <u>10:00</u> BY <u>W. J. R.</u>			
LOG MEASURED FROM <u>0.0</u> TO <u>2580.0</u> ELEV. <u>3490</u>			
DRILLING MEASURED FROM <u>0.0</u> TO <u>2580.0</u> ELEV. <u>3490</u>			
DATE <u>3-10-71</u> RECEIVED <u>3-19-71</u>			
LOGGERS <u>W. J. R.</u> <u>W. J. R.</u>			
CHECKED BY <u>W. J. R.</u>			
LOG NO. <u>1000</u>			
WELL NO. <u>701</u>			
WELL TYPE <u>W</u>			
WELL STATUS <u>W</u>			
WELL DEPTH <u>2580</u>			
WELL DIAMETER <u>10</u>			
WELL LOCATION <u>ARTESIA</u>			
WELL OWNER <u>AMADOR PRODUCTION CO.</u>			
WELL OPERATOR <u>AMADOR PRODUCTION CO.</u>			
WELL MAINTENANCE <u>AMADOR PRODUCTION CO.</u>			
WELL RECORD <u>AMADOR PRODUCTION CO.</u>			
WELL LOG <u>AMADOR PRODUCTION CO.</u>			
WELL LOG NO. <u>1000</u>			
WELL LOG DATE <u>3-10-71</u>			
WELL LOG TIME <u>10:00</u>			
WELL LOG BY <u>W. J. R.</u>			
WELL LOG CHECKED BY <u>W. J. R.</u>			
WELL LOG CORRELATION <u>10' FNL & 2580' FEL</u>			
WELL LOG ELEVATION <u>3490</u>			
WELL LOG DEPTH <u>2580</u>			
WELL LOG DIAMETER <u>10</u>			
WELL LOG LOCATION <u>ARTESIA</u>			
WELL LOG OWNER <u>AMADOR PRODUCTION CO.</u>			
WELL LOG OPERATOR <u>AMADOR PRODUCTION CO.</u>			
WELL LOG MAINTENANCE <u>AMADOR PRODUCTION CO.</u>			
WELL LOG RECORD <u>AMADOR PRODUCTION CO.</u>			
WELL LOG LOG <u>AMADOR PRODUCTION CO.</u>			

Loco Hills SS

Grayburg Fm.

Metex

Premier

San Andres

■ Historical Perforation

□ Planned Perforation

(7/3/2014)

