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

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

Form C-103
Revised August 1, 2011

WELL API NO.
30-015-21449

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
K-1020

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.)

7. Lease Name or Unit Agreement Name
ARTESIA STATE UNIT

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Injection Well ☒

8. Well Number 902

2. Name of Operator
Alamo Permian Resources. LLC

9. OGRID Number
274841

3. Address of Operator
415 W. Wall Street, Suite 500, Midland, TX 79701

10. Pool name or Wildcat
Artesia; Queen-Grayburg-San Andres

4. Well Location
Unit Letter A : 1310 feet from the N line and 1310 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	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
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
SEP 10 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 09/5/2014

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

APPROVED BY: [signature] TITLE Dist II Supervisor DATE 9-11-2014
Conditions of Approval (if any):

ALAMO PERMIAN RESOURCES, LLC

ARTESIA STATE UNIT #902 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 unable to inject water into this WIW since February 2013.
   The #902 WIW last passed an MIT Test on June 7, 2011.
   Based on the Artesia State Unit #201 WIW & #502 WIW – we can expect to find the wellbore full of scale, sand, paraffin, iron sulfide, salt, etc.

NOTE:

- The last recorded workover on this well was a pulling job by CBS Operating from March 28, 2006 to April 3, 2006. **SEE ATTACHED COPY OF MORNING REPORTS.**

- **A CASING LEAK at 32'** was found and repaired by dumping 15 sacks of sack-crete in the annulus between the 8-5/8" surface casing and the 4-1/2" production casing.

- There is also a reference to the **lower half of a Compression Packer being left in the hole initially at 1,620'. The Reports do not show it being recovered. Be aware that it may still be in the wellbore when we go in to clean out the well to TD.**

- **On April 3, 2006, a Johnson 101 packer was set in the well on 53 joints of 2-3/8" 4.7# injection tubing at 1,620' with an unknown amount 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:	1,764' – 1,949' (185' Overall interval) – 34' of perforations (68 holes).
Planned New Perforations:	**1,516' – 1,949' (433' Overall interval) – 62' of perforations (124 holes).**
Total Perfs after W/O:	**1,516' – 1,949' (433' Overall Interval) – 62' of perforations (192 holes).**

See Wellbore Diagram for perforations detail – updated 09/04/2014.

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 +/- 1,970'. 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 +/- 1,970' to base of Surface Casing at 308'.

   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 perfs for correlation to old GRN/CCL log run on 03/05/1975, prior to perforating.

5. Perforate the ARTESIA STATE UNIT #902 WIW well over the following **9 intervals** using 3-1/8" Hollow-Carrier slick perforating guns with 19-grain charges:

Interval No.	Perf Interval Top	Bottom	No. of Ft	SPF	No. of Perfs	Zone
1	**1,516'**	**1,532'**	16'	2	32	**QN – Penrose SS**
2	**1,764'**	**1,769'**	5'	2	10	**QN – Loco Hills**
3	**1,772'**	**1,778'**	6'	2	12	**QN – Loco Hills**
4	**1,831'**	**1,833'**	2'	2	4	**GB – Upper Grayburg**
5	**1,840'**	**1,843'**	3'	2	6	**GB – Upper Grayburg**
6	**1,870'**	**1,879'**	9'	2	18	**GB – Metex**
7	**1,882'**	**1,891'**	9'	2	18	**GB – Metex**
8	**1,898'**	**1,902'**	4'	2	8	**GB – Metex**
9	**1,941'**	**1,949'**	8'	2	16	**GB – Metex**
TOTALS			**62'**		**124 Perfs**	

6. **Acidize LOCO HILLS, UPPER GRAYBURG, & METEX Perforated Intervals from 1,764'- 1,949':**
   - **185' Overall;**
   - **46' of perforations**
   - **160 perforations**

   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 perfs**
   - **50.0 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 **1,980'**.
   - Set Treating Packer at approximately **1,700'**.

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

STAGE 1: **SPOT 130 gal 15% NEFE HCl (3.1 bbls)** across Perfs from 1,764'-1,949' (185') inside the 4-1/2" 10.5# production casing in the well.

Pick up Retrievable Packer and Set at approx. **1,700'**.

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 **1,600'**.

7. **Acidize new PENROSE SANDSTONE perfs from 1,516' – 1,532':**

- **16' Overall;**
- **16' of perforations**
- **32 perfs**

Acid Job Total:

- **2,200 gal 15% NEFE HCl (52.4 Bbls)**
- **137.5 gal/ft of perfs**
- **68.8 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 **1,600'**.

Set Treating Packer at approximately **1,470'**.

Pump **2,200 gal 15% NEFE HCl plus additives** down tubing at **5-6 BPM** after acid is on perfs and perfs have broken down.

Pump +/- 6.7 Bbls **Fresh Water** to displace acid to bottom of perforations at 1,532'. 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 approximately **1,450'.**

    PACKER MUST BE SET WITHIN 100' OF THE TOP INJECTION PERF AT 1,516' – 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 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 04, 2014

ALAMO PERMIAN RESOURCES, LLC
WELLBORE DIAGRAM

Lease/Well No.: **ARTESIA STATE UNIT #902 WIW** ELEVATION, GL: 3,528 ft

Location: 1,310' FNL & 1,310' FEL
UL: A, SEC: 23, T: 18-S, R:27-E FIELD: **ARTESIA: QN-GB-SA**
EDDY County, NM

LEASE No.: State B-10568 Spudded: 3/2/1975

API No. : **30-015-21449** Drlg Stopped: 3/6/1975

Completed: 8/29/1975

ROTARY DRLG RIG LAT:

LONG:

12-1/4" HOLE

Surface Csg:
8-5/8" 24# J-55
Csg Set @ 308'
Cmt'd w/ 210 sx

TOC @ Surface
Circulated 42 sx

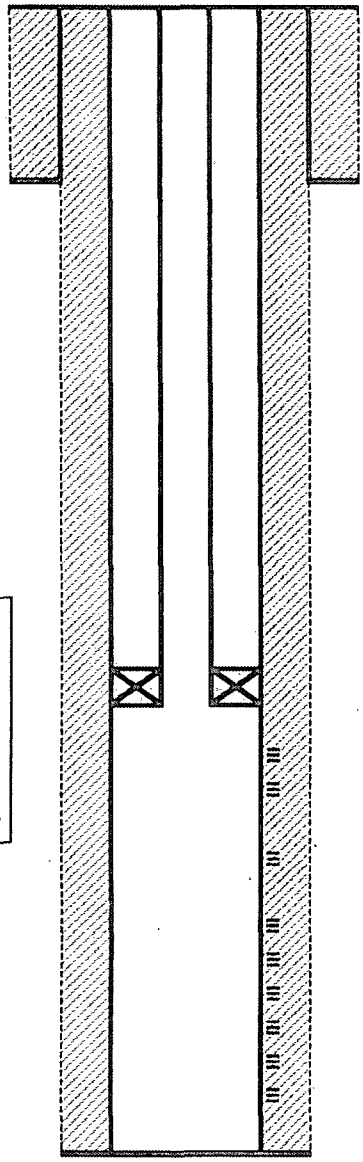
308' Csg

TOC @ Surface
Circulated 120 sx

7-7/8" HOLE

2-3/8" 4.7# J-55
IPC Tubing - 53 jts
Johnson 101
Tension Packer
Set @ 1,620'
?????# Tension
4/3/2006

Production Csg:
4-1/2" 10.5# J-55
Csg Set @ 2,000'
Cmt'd w/ 760 sx



TOPS (TEF)	DEPTH, ft
YATES	
SEVEN RIVERS	
PENROSE	1,503
LOCO HILLS	1,762
GRAYBURG	1,784
METEX	1,869
PREMIER	1,990
SAN ANDRES	

PERFS:	Zone	SPF - # Holes	Date
1764 - 1769'	**QB - Loco Hills**	5' 2 spf - 10 holes	**08/29/75**
1772 - 1778'	**QB - Loco Hills**	6' 2 spf - 12 holes	**08/29/75**
1840 - 1843'	**GB - Upper GB**	3' 2 spf - 6 holes	**08/29/75**
1875 - 1879'	**GB - Metex**	4' 2 spf - 8 holes	**08/29/75**
1882 - 1884'	**GB - Metex**	2' 2 spf - 4 holes	**08/29/75**
1886 - 1891'	**GB - Metex**	5' 2 spf - 10 holes	**08/29/75**
1898 - 1901'	**GB - Metex**	3' 2 spf - 6 holes	**08/29/75**
1941 - 1944'	**GB - Metex**	3' 2 spf - 6 holes	**08/29/75**
1946 - 1949'	**GB - Metex**	3' 2 spf - 6 holes	**08/29/75**
2,000' Csg	***TOTALS:***	***34' -- 68 holes***	

1,970' PBTD (Estimated Based on #502 WIW)
2,010' TD

Drilled by ANADARKO PROD. CO. as the Artesia State Unit Tract 9 Well #2 WIW.
INITIAL WATER INJECTION: 08/29/1975.

*** ACTUAL CUM WI 05/31/2014 = 754.020 MBWI (NMOCD WELL HISTORY).**

Cumulative Prod. (05/31/14):

OIL	**0.000**	**MBO**
GAS	**0.000**	**MMCF**
WATER	**0.000**	**MBW**
INJECT.	**573.177***	**MBW**

HPS: 09/04/2014

ARTESIA STATE UNIT #902 WIW

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
1,764 1,772	1,769 1,778	QN-Loco Hills QN-Loco Hills	8/29/1975	504	15% HCl						22 perfs *22.9 gal/perf* 11 ft of perfs *45.8 gal/ft*				
1,840	1,843	GB-Upper GB	8/29/1975	252	15% HCl						6 perfs *42.0 gal/perf* 3 ft of perfs *84.0 gal/ft*				
1,875 1,882 1,886 1,898	1,879 1,884 1,891 1,901	GB-Metex GB-Metex GB-Metex GB-Metex	8/29/1975	1,008	15% HCl						28 perfs *36.0 gal/perf* 14 ft of perfs *72.0 gal/ft*				
1,941 1,946	1,944 1,949	GB-Metex GB-Metex	8/29/1975	252	15% HCl						12 perfs *21.0 gal/perf* 6 ft of perfs *42.0 gal/ft*				

CBS OPERATING CORP
ARTESIA STATE WELL NO. 9-2 #902 WIW
1310' FNL & 1310' FEL UL A
SEC. 23 T18S R27E
EDDY COUNTY, NM
API NO. 30-015-21449

LAST WORKOVER ON WELL

4/2

March 28, 2006
MI & RU Reliable Well Service. Unpacked wellhead. Bleed well down to vacuum truck. Tried to unseat packer, would not come loose. Worked on unseating packer, finally came loose. POH with 2 joints tubing. Closed BOP. Shut down overnight.

March 29, 2006
Finished POH with tubing, tally came out to 1620', only had half of compression packer. RIH with Watson packer, tagged up other half of compression packer. Set Watson packer at 1616'. Tested 5-1/2" casing, had hole at 40'. Came up 8-5/8" surface casing, POH. Shut well in. Shut down overnight. ← HOLE AT 32' IN CASING - 4½"

March 30, 2006
Bleed well down to vacuum truck. POH with Watson packer. Picked up Aeroset packer. RIH with tubing, set packer, dug around wellhead, broke 8-5/8" head out. Cut 8-5/8" casing, found cement at 28' from surface. Ran 1" hose to cement, hooked up vacuum truck, sucked water out. Shut down overnight.

March 31, 2006
Mixed 15 sacks cement, poured down 8-5/8" casing. Made sure there were no bubbles in cement. Shut well in. Shut down overnight.

April 3, 2006
Put 8-5/8" wellhead on. Put 5-1/2" wellhead on and also BOP. Unset Aeroset packer and POH. Tested tubing to 3000#, tested good. Picked up Johnson 101 packer and RIH. Set packer at 1620'. Circulated 90 bbls. packer fluid. Tested to 500# for 30 min, tested good. Rigged down and moved out.

PASSED MIT ON 04/06/2006.

Date:

Company	CBS OPERATING	Co. Rep	D. PEREZ	Lease	Artesia State
Address		Office #		Well Number	9-2
City, State		Mobile #		County, State	

Tools, BHA	Length		GR	O.D.	#/Ft	I.D.	Thread	Jt Strength		Total Jts	Perfs 1764-1949
10' Sub	10.02	Tubing	J 55	2.375	4.7	1.995	11 1/2 V	71733		53	
		Surface						Set @	TOC @		
		Intermediate						Set @	TOC @		
		Oil String		4.5	10.5			Set @	TOC @		
KB Correction		Open Hole						Top @	Btm @		PBTD 2066 TD @ 2010

Jts	Length	Out	Run Total	Jts	Length	Out	Run Total	Jts	Length	Out	Run Total	Jts	Length	Out	Run Total	Jts	Length	Out	Run Total
2	60.57	81	70.59	42	61.60	11	1275.62	67		-14	1616.75	87		-34	1616.75	107		-54	1616.75
4	60.48	79	131.07	44	61.81	9	1337.43	68		-15	1616.75	88		-35	1616.75	108		-55	1616.75
6	60.49	77	191.56	46	62.10	7	1399.53	69		-16	1616.75	89		-36	1616.75	109		-56	1616.75
8	59.76	75	251.32	48	62.20	5	1461.73	70		-17	1616.75	90		-37	1616.75	110		-57	1616.75
10	60.30	73	311.62	50	58.79	3	1520.52	71		-18	1616.75	91		-38	1616.75	111		-58	1616.75
12	61.02	71	372.64	52	64.02	1	1584.54	72		-19	1616.75	92		-39	1616.75	112		-59	1616.75
14	62.17	69	434.81	53	32.21		1616.75	73		-20	1616.75	93		-40	1616.75	113		-60	1616.75
16	61.00	67	495.81	54		-1	1616.75	74		-21	1616.75	94		-41	1616.75	114		-61	1616.75
18	60.77	65	556.58	55		-2	1616.75	75		-22	1616.75	95		-42	1616.75	115		-62	1616.75
20	58.79	63	615.37	56		-3	1616.75	76		-23	1616.75	96		-43	1616.75	116		-63	1616.75
22	60.54	61	675.91	57		-4	1616.75	77		-24	1616.75	97		-44	1616.75	117		-64	1616.75
24	60.32	59	736.23	58		-5	1616.75	78		-25	1616.75	98		-45	1616.75	118		-65	1616.75
26	58.60	57	794.83	59		-6	1616.75	79		-26	1616.75	99		-46	1616.75	119		-66	1616.75
28	60.12	55	854.95	60		-7	1616.75	80		-27	1616.75	100		-47	1616.75	120		-67	1616.75
30	61.14	53	916.09	61		-8	1616.75	81		-28	1616.75	101		-48	1616.75	121		-68	1616.75
32	59.93	51	976.02	62		-9	1616.75	82		-29	1616.75	102		-49	1616.75	122		-69	1616.75
34	60.54	49	1036.56	63		-10	1616.75	83		-30	1616.75	103		-50	1616.75	123		-70	1616.75
36	59.25	47	1095.81	64		-11	1616.75	84		-31	1616.75	104		-51	1616.75	124		-71	1616.75
38	58.26	45	1154.07	65		-12	1616.75	85		-32	1616.75	105		-52	1616.75	125		-72	1616.75
40	59.95	43	1214.02	66		-13	1616.75	86		-33	1616.75	106		-53	1616.75	126		-73	1616.75
	1204.00				402.73														

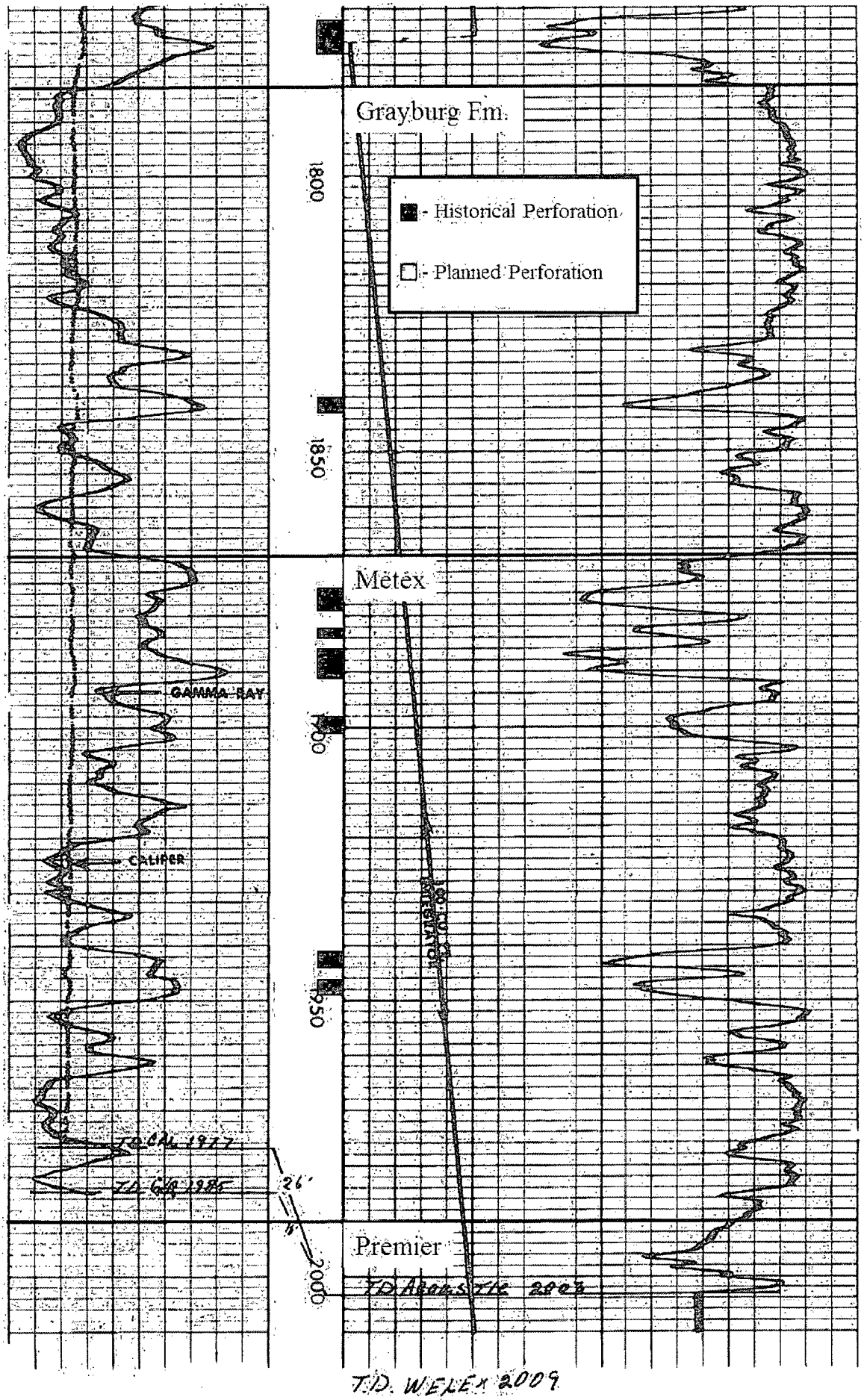
Total This Page 1606.73

TOTAL Tubing	1606.73
With Tools	1616.75
Avg JT.	*30.32*
Avg Std.	*60.63*

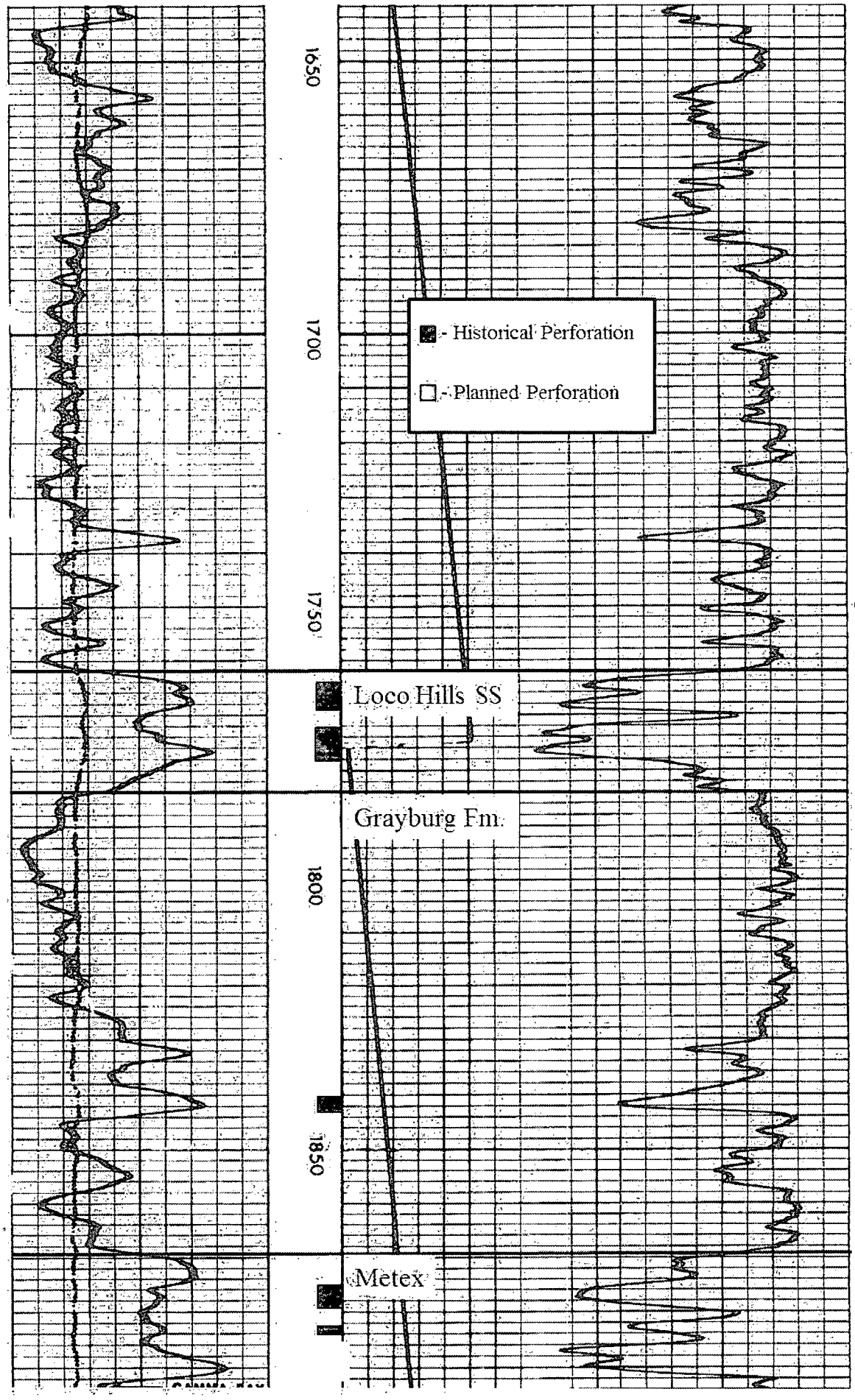
Volumes				Bbls/Ft
2.375	4.7	Tubing		0.00387
4.5	10.5	Casing		
		Open Hole		
4.5	X	2.375	Annulus	-0.00548
	X	2.375	Open Hole	-0.00548

2/12

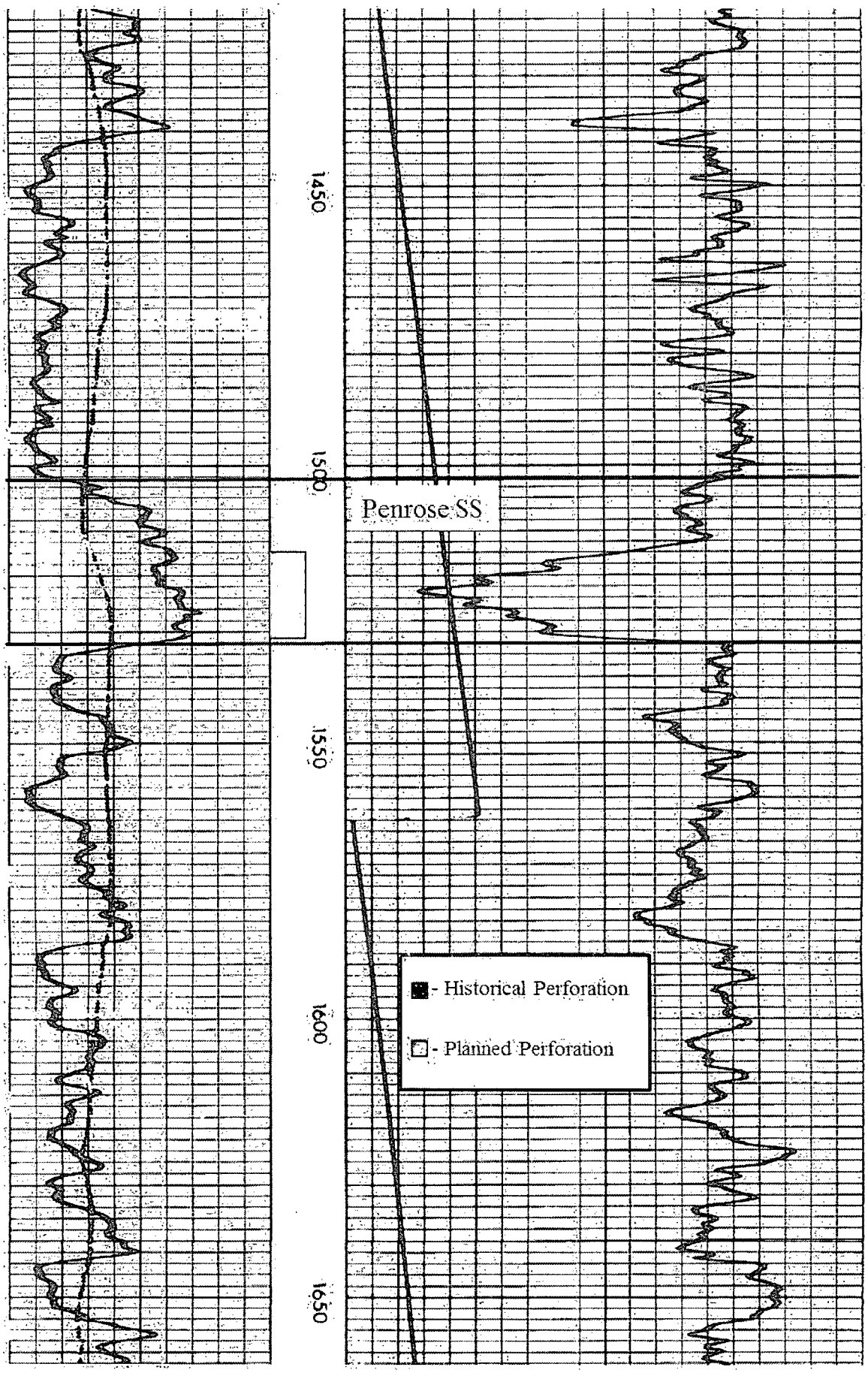
Artesia State #9-2



Artesia State #9-2



Artesia State #9-2



Artesia State #9-2

30-015-21449

T-18-S, R-27-E, Sec. 23
1310' FNL & 1310' FEL
Reference Elevation = 3538'

Welex

COMPENSATED ACOUSTIC VELOCITY LOG

COMPANY ANADARKO PRODUCTION Co.
WELL ARTESIA STATE UNIT #9-2
FIELD ARTESIA
COUNTY EDDY STATE NEW MEXICO
Location 1310 FNL & 1310 FEL
Other Services: GRD
Sec. 23 Twp. 18S Rge. 27E

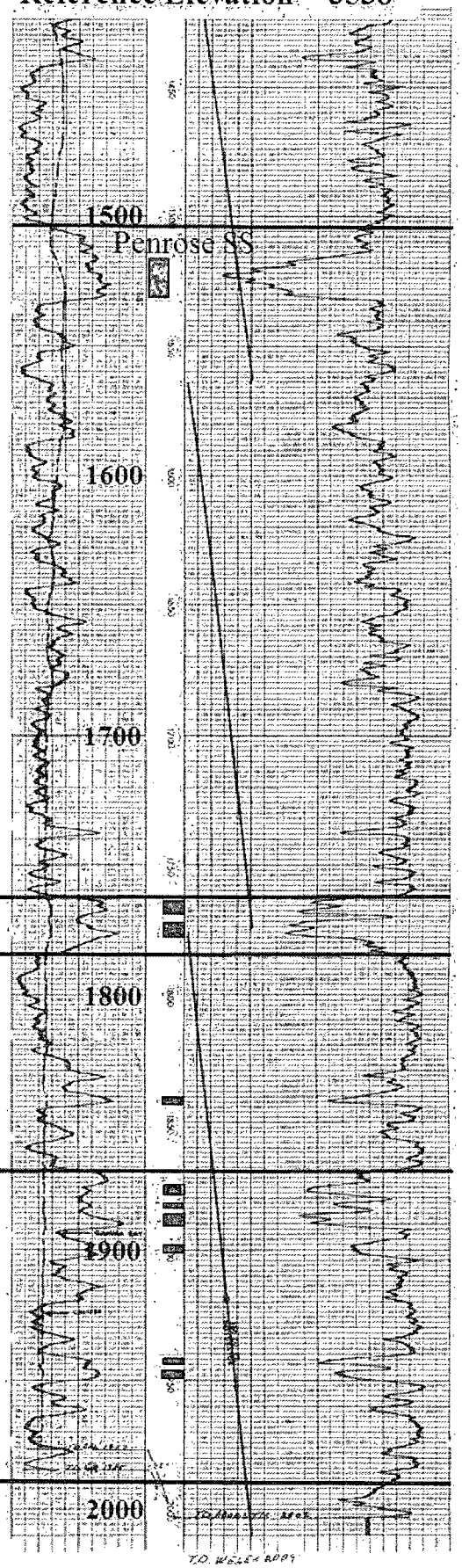
Permanent Datum: GL Elev. 3528.3 Elev.: K.B. 3538.7
Log Measured From: KB 9.5 Ft. Above Perm. Datum D.F.
Drilling Measured From: KB G.L. 3528.3

Date	3-5-75						
Run No.	ONE						
Depth—Driller	2010						
Depth—Welex	2008						
Btm. Log Inter.	2003						
Top Log Inter.	SURF						
Casing—Driller	8 5/8 @ 313	@		@		@	
Casing—Welex							
Bit Size	7 7/8						
Type Fluid in Hole	MUD						
Dens.	8.4						
Visc.	36						
pH							
Fluid Loss	40 ml		ml		ml		ml
Source of Sample	CIRCULATED						
R... @ Meas. Temp.	.257 @ 76 °F	@	°F	@	°F	@	°F
R... @ Meas. Temp.	.249 @ 66 °F	@	°F	@	°F	@	°F
R... @ Meas. Temp.	@ °F	@	°F	@	°F	@	°F
Source R... R...	MEASURED						
R... @ BHT	.25 @ 82 °F	@	°F	@	°F	@	°F
Time Since Circ.	-						
Max. Rec. Temp.	82 °F @ BH	°F @		°F @		°F @	
Equip. Location	0441 HOBBS						
Recorded By	C. A. HARRIS						
Witnessed By	MR. ERWIN						

RECEIVED
MAR 10 1975
O. C. C.
ARTESIA, OFFICE

Fold Here

LAHOH - AA 05845



■ - Historical Perforation

□ - Planned Perforation

(7/4/2014)