-	Appropriate District	State of New			Form C-103
Office District I		Energy, Minerals and Na	itural Resources	CYCLI ADINO	May 27, 2004
1625 N. French Dr., District II	Hobbs, NM 87240	OH CONCEDIATI	ON DIVIDION	WELL API NO. 30-025-10358	
1301 W. Grand Ave., Artesia, NM 88210			5. Indicate Type of Lease		
District III 1000 Rio Brazos Rd	l., Aztec, NM 87410	Santa Fe, NM		·	EE 🗓
District IV	Dr., Santa Fe, NM 87505	Saina 1 C, 1414	1 87303	6. State Oil & Gas Lease N	
-	<u> </u>	EO AND DEDODTO ON M	/ELLO		
SUNDRY NOTICES AND REPORTS ON WEL (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN O DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101 PROPOSALS.)			N OR PLUG BACK TO A	7. Lease Name or Unit Agr Arrowhead Grayburg Uni	
1. Type of Well Oil Well		Other Injection 24	2526272820	8. Well Number 246 WIW	
2. Name of Ope		one injections	33	9. OGRID Number	
XTO Energy			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	005380	
3. Address of O			Heceive	10. Pool name or Wildcat	
4. Well Location	aine, Ste. 800	Midland, TX 79701 €	100 HAY 300	Arrowhead: Grayburg	
	· <u> </u>	660 feet from the Township 225 E	North line and	1980 feet from the	West line
Unit Letter	·:	leet from the	ning and	1500 leet from the	mest mie
Section	19	Township 22\$E	12 Rubge 37E	NMPM Count	ty Lea
11. Elevation (Show whether $\overline{DR}$ , RKB, RT, GR, etc.)					
Pit or Below-grade Tank Application or Closure					
Pit type	Depth to Groundwater .	Distance from nearest f	resh water well Di	istance from nearest surface water .	
Pit Liner Thickness	:: mil	Below-Grade Tank: Volum	mebbls; Construct	ion Material	
12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING					
	OTICE OF INTE	ENTION TO:	SUE	SEQUENT REPORT	
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## **WELL DATA SHEET**

Spot 50sx

Surf-520'

Spot 25 sx

1028-1280'

2677', 2848'

2858', 3211'

Yates

7 Rvrs

Queen

Penrose

75

3345', 3348',

3472', 3540'

FIELD: Arrowhead

WELL NAME: AGU 246 WIC

FORMATION: Grayburg

LOC: 660' FNL & 1980' FWL

TOWNSHIP: 22-S RANGE: 37-E

**SEC: 19** COUNTY: Lea STATE: NM

**Present** 

GL: 3414' KB to GL: 14.0' DF to GL: 13.0° **CURRENT STATUS: Injector** API NO: 30-025-10358

CHEVNO: FB1351

9-5/8" OD, 36 #/ft, Surf. pipe set @ 465' w/ 175 sxs El Toro cmt in 13-3/4" hole. TOC @ 157' by calc.

TOC @ 259' by calc (primary job). Csg leak 473' - 504'. Cmt saz'd w/ 350 sxs. Cmt returns to surf.

> Spot 50 sx plug from 2171 to 2675 per Buddy Hill Approval at NMOCD

Spot 50 sx of cement. Tagged 3124 Bottom 3562' Approved by **Buddy Hill NMOCD** 

5-1/2" OD, 17 #/ft, H-40, Prod. csg set @ 3578' w/ 300 sxs

CIBP @ 3562'

El Toro cmt in 6-3/4" hole. TOC @ 259' by calc.

4-3/4" OH- 3578'-3835'

cmt sqz OH f/3578-3714

Unknown Junk @ 3818'

3571 Grayburg 72 **Z**3 **Z4** 

> TD @ 3821 **PBTD 3818**<sup>1</sup>

FILE: WBS246.XLS cjh: 5-14-01 (updated)

Date Completed: 10/23/40 Initial Production: 636 BOPD / 0 BWPD / 430 MCFGPD Initial Formation: Grayburg From: 3578' To: 3714' Completion Data: Open hole acidized w/ 4000 gals 15% HCl.

Workover History:

03-05-52 Acdz open hole from 3620' to 3714' w/ 750 gals, gelied acid and 2000 gals. 15% HCl. Before: 3.4 BOPD/ 10% water/ 36 MCFGPD.

After: 5.5 BOPD/ 70% water. Well on artificial lift.

08-15-54 Clean out to TD w/ bailer.

11-09-55 Set Lynes straddle pkrs at 3610' and 3690'. Acdz w/ 1000 gals. 15%

acid. Frac w/ 20,000 gals. oil and 30,000 lbs. 20/40 sand. Before: 2 BOPD/ 0 BWPD/ 8 MCFGPD.

After: 32 BOPD/ 8 BWPD/ 2518 MCFGPD flowing.

10-26-65 POOH w/ prod. equip. RIH w/ inj. pkr and 2-3/8" plastic coated tbg.

Convert well to injection thru open hole section 3578' to 3714'.

11-09-73 Set CICR @ 3550'. Cmt sqz open hole f/ 3578' to 3714' w/ 200 sxs cmt. Selectively perf 28 zones between 2677' and 3510' w/ 1 spf (28 holes total). Acdz w/ 3000 gals. 15% HCl and Frac w/ 28,000 gals. fresh water gel and 37,500 lbs. 20/40 sand.

After: 0 BOPD/ 335 MCFGPD/ 42 BWPD flowing.

06-25-87 POOH w/ prod. equip. Isolate csg leak 473' to 504'. Cmt sqz csg leak w/ 200 sxs Cl. "C" w/ cmt returns to surf. Test sqz to 300 psi. Bled off 150 psi in 10 min. Drill out CICR @ 3550' and clean out to 3578'. Set pkr @ 3400' and swab dry. Perf thru tubing w/ 2 spf f/ 3492' to 3571' (24 holes). Spot acid across perfs and acdz w/ 1600 gals. 15% HCl. Frac w/ 17,000 gals. gel and 36,000 lbs. 20/40 sand ranging f/ 2 to 6 ppg. Swab. Set pkr @ 3402'. Run pump.

After: Trace oil/ 12 BWPD/ 15 MCFGPD.

05-22-89 POOH w/ prod. equip. RIH w/ bit and clean out to 3714'. Locate csg. leaks f/ 473' to 504' and old perfs leaking below 2677'. Spot sand in open hole up to 3563'. Set CICR @ 3400' and cmt sqz perfs below w/ 150 sxs cmt. Set CICR @ 2645' and cmt sqz perfs below w/ 150 sxs cmt. Cmt sqz down csg w/ 150 sxs cmt on leak 473' to 504'. Drill out and test all cmt sqz to 500 psi. All okay. Clean out to 3714'. Perf open hole w/ 2 spf in 12 intervals (24 shots). Acidize w/ 1500 gals. 15% HCI. Run prod. equip.

After: 2 BOPD/ 83 BWPD/ 2 MCFGPD

06-15-93 Attempted to locate and repair casing leak w/o success. No major leaks located. Turn well over to Chevron for Arrowhead Grayburg Unit. 01-24-94 POOH w/ prod. equip. Tst csg to 300# - OK. Deepen from 3714' -3821'. Left 3 4-3/4" bit cones on bottom at 3821'. Run logs (SPe/Den/GR). Logger TD @ 3792'. RIH w/ cone buster and find TD @ 3806' and mill down to 3818' (from Ground Level). Fish BHA + tbg lost during milling operation. Acidize OH in 4 stages w/ 9500 gals acid followed by block; ISIP 200#, vac in 5". Swb 35 runs, R/142 Bbls wtr, 100% BS& W.; SFL @ 1150', EFL 2400'. FER 20 BPH. 2% oil cut. Run injection equip.

4-11-2001 ND WH NU BOPE R/U floor. Rih w/ 2-7/8" WS, tag @ 3807 w/28 fill. Quit making hole, drlg on junk. Tst perfs. Isolate sag lk from 456-487', sqz w/75 sx CI 'C' cmt. RIH w/tbg, set pkr @3566'. Ran MIT tst.

## Additional Data:

T/Yates @ 2672', T/Seven Rivers @ 2853', T/Queen @ 3341',

T/Penrose @ 3460' T/AGU @ 3564'

T/Grayburg Zone 1 @ 3652'

T/Grayburg Zone 2 @ 3688'

T/Grayburg Zone 3 @ 3752

T/Grayburg Zone 4 @ 3784'

T/Grayburg Zone 5 @ 3833' (estimated) (Zia Energy Injection Agreement)

T/San Andres @ 3870' (estimated) (Zia Energy Mineral Rights)