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Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 87240
 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

Form C-103
 May 27, 2004

OIL CONSERVATION DIVISION

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

JAN 16 2008

HOBBS OCD

WELL API NO. 30-025-04928
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: ARROWHEAD GRAYBURG
8. Well Number #142
9. OGRID Number 005380
10. Pool name or Wildcat 3040
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>
2. Name of Operator XTO Energy, Inc.
3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701
4. Well Location Unit Letter <u>N</u> : <u>660</u> feet from the <u>SOUTH</u> line and <u>1980</u> feet from the <u>WEST</u> line Section <u>36</u> Township <u>21S</u> Range <u>36E</u> NMPM County <u>LEA</u>

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	

OTHER: Squeeze Grayburg 3, Reperf 2, Stimulate ☒

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. MI & rack 3800' of 2-3/8" work string.
2. RUPU. POH w/ 2-3/8" tbg. TIH w/ retrieving tool & pull RBP @ 3778'. POH.
3. TIH w/ 3-7/8" bit, scraper & work string & clean out to 3780'. Circulate clean. POH.
4. TIH w/ 4-1/2" EZ drill cast iron cement retainer (CICR). Set retainer @ 3675'. Establish injectin rate. Squeeze well w/200 sx of Class C w/10% bwoc A-10, thixotropic fast setting additive w/2% CaCl2. Follow w/ 200 sx Class C w/ 2% CaCl2. Reverse circulate clean & POH. Shut well in for 24 hrs.

See attached

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Sherry Pack TITLE Regulatory Analyst DATE 1/14/2008

Type or print name Sherry Pack

E-mail address: sherry_pack@xtoenergy.com
 Telephone No. 432.620.6709

For State Use Only

APPROVED BY Chris Williams TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE FEB 07 2008

Conditions of Approval, if any:



ARROWHEAD GRAYBURG #142

API# 30-025-04928

January 14, 2008

- 5 TIH W/ 3 7/8" bit, 6 3-1/8" drill collars, & work string. Clean out to 3735'. Circulate clean & POH.
- 6 TIH w/ 3-1/8" csg gun & perf 3705-20 w/ 1 JSPF. (15', 15 holes) w/ premium shot, 38" penetration, 60 degree phasing.

- 7 TIH w/ 4-1/2", 11.6# packer, & work string. Set packer @ 3650'. Swab well to determine productivity, oil cut & fluid level.

Skip step 8 if inflow, oil cut & fluid level are acceptable.

- 8 Unseat pkr & drop pkr to 3720 & spot 6 bbls of 15% NEFE Acid. Pull pkr to 3450'. Reset pkr & displace acid flushing w/ 30 bbls of 9# brine. Max rate/pressure: 0.5 BPM/900 psi. Shut well in for 2 hrs.

- 9 Open well back to pit thru 8/64" choke & flow well dwn. Monitor inflow, fluid level & oil cut. Try to flow load back. Swab until accurate information acquired to size production equipment. May restimulate depending on response to stimulation.

- 10 TIH w/ Tbg & lift equipment. RWTP

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WELL DATA SHEET

FIELD: Arrowhead

WELL NAME: AGU No. 142

FORMATION: Grayburg

LOC: 660' FSL & 1980' FWL
TOWNSHIP: 21-S
RANGE: 36-E

SEC: 36
COUNTY: Lea
STATE: NM

GL: 3515'
KB to GL: 8'
DF to GL: 7'

CURRENT STATUS: Producer
API NO: 30-025-04928
CHEVNO: FA6067

10-3/4" OD Surf Pipe set @
280' w/ 250 sxs cmt.
Circ. cmt to surf.

Holes located from 300-400'
Sqz with 250 sx C w/2% CaCl2

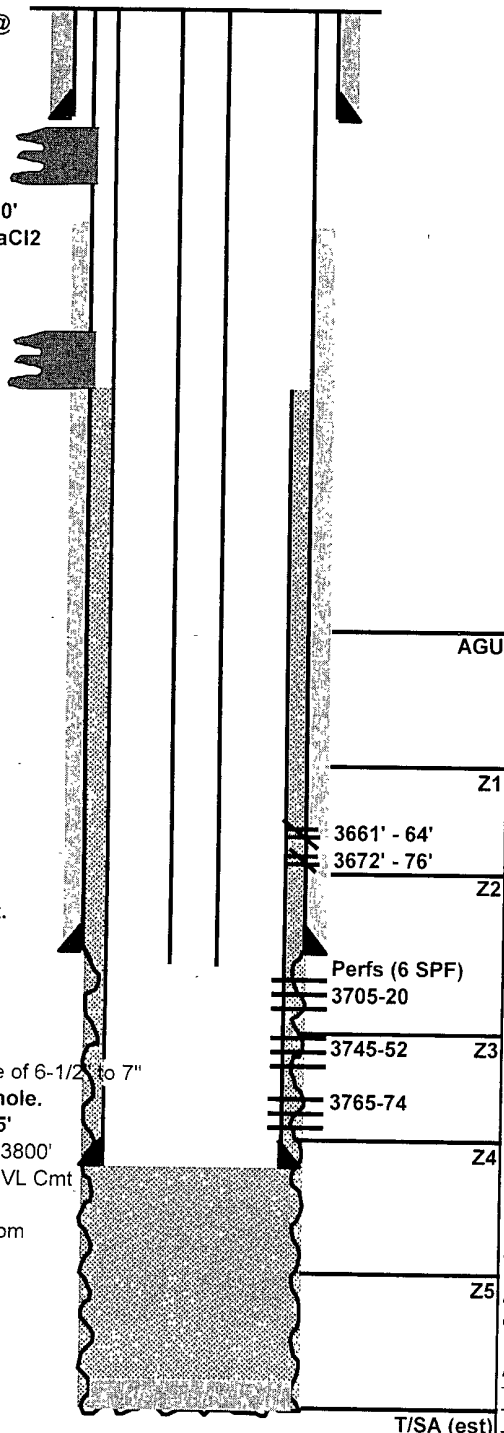
Tight spot in csg from
1455' to 1470'
Csg leak f/1454-1478
Cmt w/200 sx cl c

cmt sqz f/3612-3710
w/400 sx cmt

6" OD, 16#/ft., C-55 casing
Set @ 3700' w/ 350 sxs cmt.
TOC @ 1421'

Caliper shows hole size of 6-1/2" to 7"
Original Hole Size 5-3/8" hole.
FC @ 4755'

4-1/2" 11 6# Ultra FJ Liner @3800'
Cement with 400 sx of Schl PVL Cmt
with additives CBL showed
TOC at 1430' FC- 1jt off bottom



PBTD 3830'
TD @ 3870'
(WLTD @ 3874')

Date Completed: 04-07-39

Initial Production: 597 BOPD/ 0 BWPD/ 700 MCFGPD

Initial Formation: Grayburg From: 3700' To: 3820'

Completion Data:

Drill to 3820'. Complete Open Hole 3700' - 3820' flowing 597 BOPD/ 0 BWPD/ 700 MCFGPD on 1/2" choke w/ 340 psi tubing pressure. Oil gravity 36.5 degrees API corrected

Workover History:

05-16-45 Set production pkr @ 3740' to lower GOR
07-18-46 ACDZ w/ 2,000 gals Re-set production pkr @ 3754'
05-19-58 Clean out to 3820' (TD) Set pkr @ 3756' Frac 3756' to 3820' w/ 20,000 gals oil & 20,000 #s sand in two stages Pull pkr install pumping equip
12-13-74 Pull stuck pump Clean out 23' scale Scale inhibitor treat w/ 165 gal SP-216 ACDZ w/ 500 gals 15% HCL
01-19-76 Clean out to 3820' (TD) Treated w/ 177 gals SP216 scale inhibitor & 550 gals 15% HCL
04-17-85 Scale inhibitor treat w/ 55 gal Gypton T-133
06-17-86 Change out rods & size up pumping unit
10-29-86 Scale inhibitor treat with 55 gal Gypton T-133
08-03-87 Selectively perf open hole at 3714-24', 3728-38' (Zn 2), 3746-51', 3756-61' (Zn 3), 3770-80' (Zn's 3 & 4), 3788-91' & 3802-04' (Zn 4) Clean out to 3820' Mill out tight casing from 1458' to 1473' Acidize w/ 3,000 gals 15% acid Lost two pads from 6" casing scrapper in hole
02-19-88 Scale inhibitor treat with 110 gal Gypton T-133
02-23-89 Scale inhibitor treat with 110 gal Gypton T-133
05-16-89 Scale inhibitor treat with 110 gal Gypton T-133
08-28-89 Scale inhibitor treat with 110 gal Gypton T-133
02-14-90 Scale inhibitor treat with 110 gal Gypton T-133
06-20-90 Scale inhibitor treat with 110 gal Gypton T-133
02-05-92 POOH w/ prod equip Repair hole in 6" csg at surface Deepen from 3820' to 3870' Log HLS SDL-DSN-GR-CAL (logr TD 3874') ACDZ 3691' - 3870' (Zn's 2 - 5) w/ 1500 gals 15% NEFE HCL Swb Rec 5 BW / 5 runs in 1 hr , SFL @ 3200', FER 5 BPH Selectively perf 3661'-76' (Zn 1) w/ 2 SPF Breakdown and acidize new perfs using PPI pkr and 300 gals 15% NEFE Swb 3661' - 3870' (Zn's 1 - 5) Rec 28 BW / 23 runs in 4 5 hrs , SFL @ 3300', FER 1 5 BPH TIH w/ prod tbg & TO to production
04-23-92 Test 3661' - 3870' pump 28 BOPD + 136 MCFGPD + 251 BWPD
12-01-95 C/O to 3870 Log w/GR, OH caliper Swb tst Poly sqz w/3000 bbls 3500/5000 ppm polymer solution RIH w/tbg TOP
08-15-97 RIH to 1455, swedge out to 1470 Spot 900 # 20/40 sd f/3822-3870 Acdz OH f/3721-3822 w/3000 gals 15% Resisol II Swb 29 runs Rec 175 bbls fluid 1% oil, 99% wtr Spot 3300# 20/40 sd f/3718-3842 Spot 200# 100 mesh sd f/3711-3718 Set CIRC @ 3614 Cmt w/325 sx cl c w/N2 Cap w/75 sx cl c f/3612-3710 D/O cmt & CIRC to 3710 Swb Swedge csg f/1455-72 Csg leak f/1454-1478 Cmt sqz f/3456-3711 w/100 sx cl c Set CIRC @ 1400 Cmt sqz w/200 sx cl c f/1390-1460 D/O cmt f/1390-1460 D/O cmt f/3476-3716 C/O sd to 3870 Spot 20 sx cl c & 500# 20/40 sd plug f/3830-3870 (New PBD 3830)
8-16-06: Locate hles in casing from 300-400' Sqz with 250 sx of Cl C w/ 2% CaCl2 Mill casing from 1500-1700' RIH w/ 4-1/2" 11 6# Ultra FJ liner Set @ 3800' Cmt with Schlumberger PVL cement with additives Drill out to 3780
8-17-06 Perforate 3705-20, 3745-52, 3765-74 with 6 JSFP 180 Holes Stimulate interval with 6,000 gals of 20% NEFE Acid with 3,000 gals of gelled block with 3000# GRS Swabbed 100% water with BFL/EFL @ 1000'
4-4-07 Pulled ESP and ran packer and RBP Swab test 3741-3778 Swab 18 BPH with 0% oil cut and no gas BFL 1650 EFL 1750
4-6-07: Move RBP/Pkr and swab 3705-20 Swab 20 BPH with 23% Oil cut first day Second Day swab 15 BPH at 5% oil cut RWTP-6 BO/1669 BW/7 MCF

Additional Data:

T/Queen @ 3349'
T/Penrose @ 3449'
T/AGU @ 3643'
T/Grayburg Zone 1 @ 3643'
T/Grayburg Zone 2 @ 3679'
T/Grayburg Zone 3 @ 3739'
T/Grayburg Zone 4 @ 3776'
T/Grayburg Zone 5 @ 3824'
T/San Andres (est) @ 3866'

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FILE: WBS142.XLS
MRV: 12/32/97

35

36

113
943
684

114
2

115
129
716

116
15

121
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120
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