

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 23 2008

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

200 N. Loraine, Ste. 800 Midland, TX 79701

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit K Sec 12 Township: 23S Range: 29E
1460 feet from South line and 1585 from West line

5. Lease Serial No.

NMNM0554221

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Nash Unit #36

9. API Well No.

30-015-30176

10. Field and Pool, or Exploratory Area

Nash Draw; Delaware/BS
(Avalon Sand)

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|--|--|--|
| ☒ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☒ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other <u>Perf Lateral</u> |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

4/8/08 MIRU PU.

4/9/08 RU pmp trk. ND WH. Rel pkr & NU BOP. POOH LD w/200 jts of 2-7/8" J-55 prod tbq & 5-1/2" pkr.

4/10/08 RDM PU. (Left BOP on well & waiting for BJ coil tbq unit)

4/16/08 RU BJ ECT. R w/ 3-3/8" select fire perf guns, Gamma CCL logging tool & 1.75 O.D. ECT tbq. PUH & logged fr 9200'-5600'. Inj head, chain drive broke. Runaway on 1.75" ECT to TD 9800' OH. SD for repairs to ECT drive head.

4/18/08 Finish repairs to BJ CT drive head. POOH w/ECT, Gamma CCL logging tool, csg guns & inspect for damage.

4/19/08 RIH w/3-3/8 select fire pef guns, Gammas CCL logging tool & 1.75" O.D. ECT tbq. Correlated depth w/Schlumberger log. Tag @ 9805'. Perf'd Delaware fr 9070-9080' (10 holes, 9035-9040' (5 holes) 9005-9010' (5 holes) 8895-8900' (5 holes) and 8870-8875' (5 holes). POOH w/ perf guns, Gamma CCL logging tool & 1.75" O.D. ET tbq. Correlated depth w/Schlumberger log. Perf'd Delaware fr 8740-8745' (5 holes), 8700-8710' (10 holes), 8625-8630' (5 holes), 8595-8600' (5 holes). POOH w/ECT, Gamma CCL logging tool. LD fired csg guns.

Please see attachment

ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Sherry Pack

Title

Regulatory Analyst

SEP 24 2008

Date 9/5/08

Gerry Guve, Deputy Field Inspector

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

NMOCD-District II ARTESIA

Approved by

/S/ DAVID R. GLASS

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Office

Title 18 U.S.C. Section 1001, and Title 18 U.S.C. Section 1121, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



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Form 3160-5 cont'd

- 4/20/08 RIH w/3-3/8" select fire perf guns, Gamma CCL logging tool & 1,75" O.D. ECT tbg. Correlated depth w/Schlumberger log. Perf'd Delaware fr 7,855'-7,860' (5 holes), 7,763'-7,768' (5 holes), 7,730'-7,735' (5 holes), 7,605'-7,615' (10 holes), 7,560'-7,565' (5 holes). Attempted to RIH to perf 8,535'-8,545' & tag @ 8,270'. PUH & perf 7,160'-7,170' (10 holes). POOH w/ECT & Gamma CCL logging tool. LD fired csg guns. RIH w/3-3/8" select fire perf guns, Gamma CCL logging tool & 1,75" O.D. ECT tbg. Correlated depth w/Schlumberger log. Perf'd Delaware fr 8,535'-8,545' (10 holes), 7,430'-7,435' (5 holes), 7,410'-7,415' (5 holes), 7,285'-7,295' (10 holes). POOH w/ECT & Gamma CCL logging tool. LD fired csg guns. RD BJ ECT unit, Wood Group Logging Services & Marks Crane Service. SWI & SDON.
- 4/21/08 MIRU PU.
- 4/23/08 SICP-"800". PU RIH w/4-5/8" O.D. csg scrapper, 92 jts of 2-7/8" P110 6.5#, EUE, 8rd tbg & 46 jts of 3-1/2" P110 9.3#, EUE, 8rd WS tbg. Tag tight spot @ 7,369'. RU Basic pmp trk. Attempted to circ well w/480 bbls of 2% KCL. Pushed 10 jts of 3-1/2" P110 9.3#, EUE, 8rd WS tbg & 4-5/8" O.D. scrapper dwn w/10 pts on scrapper to 7,682'. POOH w/56 jts of 3-1/2" P110 9.3#, EUE, 8rd WS tbg & 92 jts of 2-7/8" P110 6.5#, EUE, 8rd tbg. LD 4-5/8" scrapper. RD Basic trk. SWI & SDON.
- 4/24/08 SICP-"0". PU RIH w/4-5/8" bit, 97 jts of 2-7/8" PH-6, 7.9#, WS tbg & 183 jts of 3-1/2" N80 9.3#, EUE, 8rd WS tbg. Tag tight spot @ 8,513'. RU Basic pmp trk & pmpd 70 bbls of 2% KCL wtr mix w/4 gals of BJ W14 chem dwn TCA. Pmpd 2% KCL wtr mix w/BJ W14 chem dwn TAC while RIH w/bit to 9,145'. PUH to 6,330'. Pmpd 30 bbls of 2% KCL wtr mix w/1 gal of BJ W14 dwn TCA. POOH w/3-1/2" N80 WS tbg. LD 2-7/8" PH-6 WS tbg & 4-5/8" bit. RU Bo Monk tst trk. RIH w/BJ 1" pmp out plug, 5-1/2" BJ DLH pkr, 3 jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, 1.25" ball seat frac sleeve, 6 jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, 5-1/2" BJ DLH pkr, 3 jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, 1.50" ball seat frac sleeve, 7 jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, 5-1/2" BJ DLH pkr, 14



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Form 3160-5 cont'd

jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, 1.75" ball seat frac sleeve, 16 jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, 5-1/2" BJ DLH pkr, 6 jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, 2" ball seat frac sleeve, 7 jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, 5-1/2" BJ DLH pkr, 25 jts of 2-7/8" P110, 6.5#. EUE, 8rd tbg, swivel jt, 5-1/2" ASI-X pkr, (2-7/8" EUE, 8rd) on/off tool (3-1/2" EUE, 8rd), 198 jts of 3-1/2" N80, EUE, 8rd WS tbg, 10' x 3-1/2" N80, EUE, 8rd tbg sub & 2 - 4' x 3-1/2" N80, EUE, 8rd tbg subs. Tstd 3-1/2" WS tbg to 8,500 psig below slip. Set BJ ASI-X pkr @ 6,293' & pmp out plug @ 9,100'. RD Bo Monk trk. L & T TCA w/5 bbls of 2% KCL to 500 psig. Pmpd 10 bbls of 2% KCL wtr dwn tbg. Dropped 1" dwn tbg & pmpd out plug 2,500 psig & set 5-1/2" BJ DLH pkrs. EST IR @ 5 BPM & 0 psig w/25 bbls of 2% KCL wtr.

4/25/08 SICP-"0". NU Frac valve onto BOP. RD Basic pmp trk. Move pipe racks & cat walk from location. RDMO Basic PU.

4/26/08 RU BJ frac crew & equip. RU Basic pmp trk, L & T TCA w/1 bbl of 2% KCL to 500 psig & monitor. Tstd lines 10,300 psig. Est IR @ 4.7 BPM, w/7-1/2% HCL acid, 3,376 psig. A. Delaware OH fr 9,123' to 9,805 w/5,000 gals of 7-1/2% HCL acid. AIR - 10.5 BPM. Min/Max press - 3,376 psig / 8,350 psig. Min/Max - 4.7 BPM/ 23.0 BPM. Dropped 1.25" ball in 2,000 gals of 30# linear gel. Frac #1 Delaware perfs (8,870'- 9,080') dwn 3-1/2" tbg w/2,000 gals 7-1/2" HCL acid, 5,000 gals of 30# Linear gel, 88,575 gals Spectra Star 3,000 containing 5,000# 20/40 Econoprop & 101,000# 20/40 Super LC. Dropped 1.50" ball. Flushed begin w/2,000 gals 7-1/2" HCL acid & fin w/5,000 gals 30# linear gel. Max/Min press - 8,006/3,376 psig. AIR - 34.5 BPM. AIP - 7,800 psig. Frac #2 Delaware perfs (8,535'- 8,745') dwn 3-1/2" tbg w/82,160 gals Spectra Star 3,000 containing 2,250# 20/40 Econoprop & 101,000# 20/40 Super LC. Dropped 1.75" ball. Flushed begin w/2,000 gals 7-1/2" HCL acid & fin w/5,000 gals 30# linear gel. Max/Min press - 7,864/5,033 psig. AIR - 31.0 BPM. AIP - 7,400 psig. Frac #3 Delaware perfs (7,560'- 7,860') dwn 3-1/2" tbg w/82,165 gals Spectra Star 3,000 containing 2,250# 20/40 Econoprop & 101,000# 20/40 Super LC. Dropped 2.00" ball. Flushed begin w/2,000 gals 7-1/2" HCL acid & fin w/5,000 gals 30# linear gel. Max/Min press -



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7,846/4,033 psig. AIR - 35.6 BPM. AIP - 7,600 psig. Frac #4 Delaware perfs (7,160'- 7,435') dwn 3-1/2" tbg w/82,000 gals Spectra Star 3,000 containing 2,250# 20/40 Econoprop & 101,000# 20/40 Super LC. Flushed w/2,515 gals of 30# linear gel. Max/Min press - 5,959/4,580 psig. AIR - 35.5 BPM. AIP - 5,350 psig. ISIP 1,025 psig. 5"-953 psig. 10"-944 psig. 15"-914 psig. RD BJ equip & Basic trk. SWI & SDON.

4/29/08 SICP-"0". SITP-"0". RU BJ CT & equipment. SWI & SDON

5/1/08 SICP-"0". SITP-"0". RIH w/2-1/8" Btm mill, motor & 1.5" CT. Tag sd bridge @ 4,111'. Circ well clean. DO sd bridge fr 4,111' to 4,115'. (Had 160 psig gain). Tag 2" ball & sleeve @ 7,286'. DO 2" ball & sleeve fr 7,286.0' to 7,286.2'. Circ well clean. POOH w/CT & motor & 2-1/8" Btm mill. SWI & SDON

5/2/08 SICP-"0". SITP-"158". RIH w/1.40" Hip Tripper, 1.60" No Go & 1.5" CT. Tag @ 6,762'. Circ well. (No sd or metal in returns). CO fr 6,762' to 6,783'. PUH w/CT. RIH tag @ 6,794'. Circ well. (No sd or metal in returns). Attempted CO @ 6,794' fr 4.1 hrs. POOH w/CT. LD NO Go & Hip Tripper. SWI & SDWE

5/5/08 SICP-"0". SITP-"500". RIH w/2-1/8" O.D. blade mill, motor & 1.50" CT. Tag @ 6,519'. Circ well. CO fr 6,519' to 7,280'. Circ well. PUH to 6,250'. Circ well. RIH @ 6,281'. Circ well. PUH to 6,241'. Circ well. RIH @ 6,291'. Circ well. PUH to 6,272'. Circ well. RIH @ 6,283'. Circ well. PUH to 6,274'. Circ well. RIH @ 6,357'. Circ well. PUH to 6,347'. Circ well. RIH @ 6,492'. Circ well. PUH to 6,470'. Circ well. RIH @ 6,743'. Circ well. POOH w/CT, motor & mill. RDMO BJ CT unit. SWI & SDON.

5/6/08 SICP-"0". SITP-"450". RU swab. BFL 1,200' FS. EFL surf. Made 7 runs in 2 hrs & rec 52 bbls of PW & w/average of 50% oil cut. RD swab. Flowed well back on 12/64" choke for 6 hrs & rec 67 bbls of PW & w/average of 20% oil cut. (Average FTP-"100"). Rec ttl of 119 bbls & ending FTP-"80". SWI & SDON



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- 5/7/08 SICP-"0". SITP-"500". Flowed well back on 12/64" choke for 7 hrs & rec 40 bbls of PW & w/average of 15% oil cut. Rec ttl of 84 bbls & ending FTP-"95". RU swab. BFL 800' FS. EFL surf. Made 6 runs in 2 hrs & rec 44 bbls of PW & w/average of 15% oil cut. RD swab. SWI & SDON.
- 5/8/08 SICP-"0". SITP-"450". Flowed well back on 12/64" choke for 7.5 hrs & rec 388 bbls of PW & w/average of 20% oil cut. Ending FTP-"150". RU swab. BFL 400' FS. EFL surf. Made 5 runs in 1 hrs & rec 43 bbls of PW & w/average of 20% oil cut. (first run 100% oil cut). RD swab. Rec ttl of 431 bbls. SWI & SDON.
- 5/9/08 SICP-"0". SITP-"750". Flowed well back on 3/4" open choke for 10.0 hrs & rec 595 bbls of PW & w/average of 15% oil cut. Ending FTP-"150". SWI & SDON.
- 5/10/08 SICP-"0". SITP-"750". Flowed well back on 3/4" choke for 5.0 hrs & rec 265 bbls of PW & w/average of 10% oil cut. Ending FTP-"150". SWI & SDON.
- 5/11/08 SICP-"0". SITP-"750". Flowed well back on 3/4" choke for 9.0 hrs & rec 530 bbls of PW & w/average of 10% oil cut. Ending FTP-"120". SWI & SDON.
- 5/12/08 SICP-"0". SITP-"750". Flowed well back on 3/4" choke for 4.0 hrs & rec 199 bbls of PW w/average of 10% oil cut. Ending FTP-"100". RU swab. BFL 1,200' FS. EFL 1,700'. Made 20 runs in 5 hrs & rec 167 bbls of PW w/average of 10% oil cut. RD swab. Rec ttl of 366 bbls. RDMO Reeco swab unit. SWI & SDON.
- 5/13/08 SICP-"0". SITP-"350". MIRU PU. BWDTT. RU Parker pmp trk. Pmpd 70 bbls of 10# brine dwn tbg. ND frac valve. Rel on/off tool. POOH LD w/198 jts of 3-1/2", N80 WS tbg & on/off tool. RD Parker trk. SWI & SDON.
- 5/14/08 SICP-"50". RU Weatherford SOS spooler. PU RIH w/2-7/8" J-55 new tbg & SOS sub pmp. RD SOS spooler. ND BOP. NU WH. Intake @ 6,139'. BTM of A-well senator @ 6,234'. 6,300' of #4 FLT cable & 55' of #6 lead cable. SWI. RDMO Basic PU. Waiting on electric ser & battery work. (top of on/off tool 6,292').



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Form 3160-5 cont'd

Tubing **Location:** Lower

ZONE 1 Desc: <-- N/A --> Top Perf: 6,333.00 Btm Perf: 9,470.00 OH: No

ZONE 2 Desc: <-- N/A --> Top Perf: 9,805.00 Btm Perf: 9,786.00 OH: No

Object 1 Desc: Id: PBTD Depth: 9,785.00

Object 2 Desc: A-well Id: Depth: 6,234.00

Object 3 Desc: Id: PI Depth: 6,193.00

			Top		Btm	Length
Qty	Type	Description	Cond	Depth	Depth	
1	manual	A-well 456 SN# 524	New	6,231.25	6,234.25	3.00'
1	manual	MTR SOS Model 456 SN# 1FTA800695	New	6,209.35	6,231.25	21.90'
1	manual	Seal ass 66L STD Mod 400	New	6,203.85	6,209.35	5.50'
1	manual	Seal ass 66L STD Mod 400	New	6,198.45	6,203.85	5.40'
1	manual	Intake Mod 400	New	6,195.65	6,198.45	2.80'
1	manual	Intake Mod 400	New	6,193.25	6,195.65	2.40'
1	manual	Pmp SD 1200 Mod FLCT 400 Stage 146	New	6,176.35	6,193.25	16.90'
1	Tubing	2-7/8", 6.5#, J-55, EUE, 8rd Tubing Sub	New	6,172.24	6,176.35	4.01'
1	Other	2-7/8" API SN	New	6,171.24	6,172.34	1.10'
195	Tubing	2-7/8", 6.5#, J-55, EUE, 8rd Tubing	New	16.00	6,171.24	6,155.24'
Total						6,218.25'
						KB Corr 16.00'
						Landed @ 6,234.25

WELLBORE DIAGRAM

FIELD: Nash Draw Brushy Canyon

WELL NAME: Nash Draw # 36

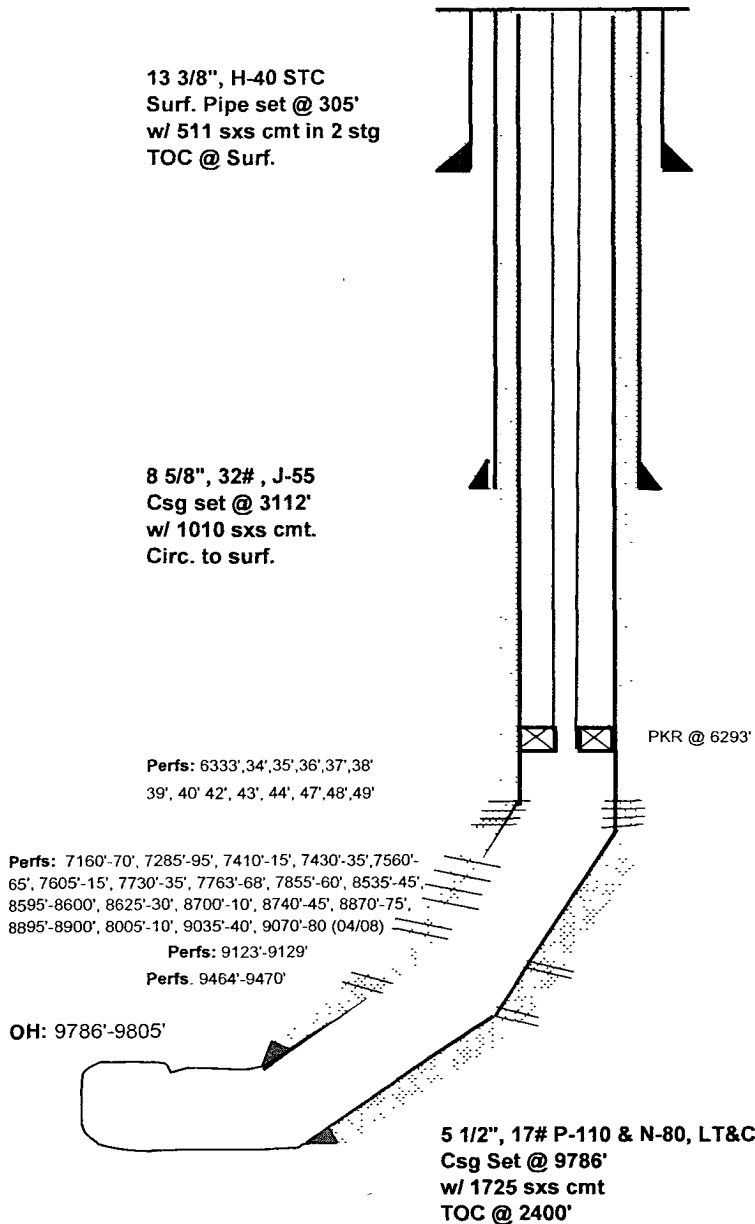
FORMATION: Brushy Canyon

LOC: 1460' FSL & 1585' FWL (Surf)
BHL: 1717' FEL & 2043 FNL
TOWNSHIP: 23-S
RANGE: 29-E

SEC: 12
COUNTY: Eddy
STATE: NM

GL: 2984'
KB: 3000'
DF to GL:

CURRENT STATUS: Producing
API NO: 30-015-30176
Lease Designation. NM - 0554221



Date Completed: 10/05/01 Spud Date: 03/31/01

Initial Production: 448 BOPD / 478 BWPD / 1008 MCFGPD

Initial Formation: Brushy Canyon From: 9123' To: 9805'

Completion Data: Initial TD @ 9786'. Drill out to 9805' Frac f/ 9876'-9895' OH. Pmp 2,105 bbls YF-135 and 222,807# 16/30 sd Avg Treating Press 2206#, Max TP 4903#, AIR 19.4 BPM ISIP 1231#, 5 min 1134#, 10 min 1060#, 15 min 993#. TIH w/ coil tbg and clean out well Ran scrapper TIH w/ coil tbg and clean w/ nitrogen and foam. Perforated f/ 9464'-9470' w/ 6 spf (37 shots) 9123'-9129' w/ 6 spf (37 shots) Ran scrapper through perfs. Straddle perfs 9464'-9470' and Frac w/ 440,000# of YF-120 w/ 48,000# 20/40 sd Avg Press 7500#, Max Press 8100#, AIR 14 BPM, ISIP 815# Straddle perfs 9123'-9129', pump 1000 gal/ NeFe acid w/ 40,000# Y5-125 and 50,000# 20/40 sd. Avg Press 7300# @ 14.5 BPM Max Press 8100# ISIP 911# Run pump and rods

Workover History:

04-12-02 Frac w/ 150,000# 16/30 Carbonylite and RC sd. AIR 70 BPM, Avg Psi 1735#, Max Psi 3410# ISIP 1093#, 5 min 665#, 10 min 571#, 15 min 502#. Open up to frac tank unable to unload, rec 19 BO 222 BW SET RBP @ 6439' Perforated "H" zone @ 6333', 34', 35', 36', 37', 38', 39', 40', 42', 43', 44', 47', 48', 49' (14 holes) and acidized w/ 1500 gals 7 1/2% NeFe, AIR 3 BPM, Max Psi 1565#, Avg Psi 1500#. Some ball action ISIP 1080#. Frac w/ 8000 gals YF-130, 12,000# 16/30 RC Jorad sd Pmp 5000 gal pad. AIR 10 BPM, Avg Psi 1259#, ISIP 902#.

06-07-04 POOH w/ tbg and RBP. RIH w/ Pkr and 199 jts of tbg w/ 9 Gas Valves Test Tp 110#, Cp 760#, F 129 BO, 255 BW, 663 MCFG, choke wide open

04-09-08 POOH w/ tbg Perf'd Delaware fr 9,070'-9,080' (10 holes), 9,035'-9,040' (5 holes), 9,005'-9,010' (5 holes), 8,895'-8,900' (5 holes) & 8,870'-8,875' (5 holes). Perf'd Delaware fr 8,740'-8,745' (5 holes), 8,700'-8,710' (10 holes), 8,625'-8,630' (5 holes), 8,595'-8,600' (5 holes) Tight spot @ 8,270', 8,244', 8,236' & 8,230' Perf'd Delaware fr 7,855'-7,860' (5 holes), 7,763'-7,768' (5 holes), 7,730'-7,735' (5 holes), 7,605'-7,615' (10 holes), 7,560'-7,565' (5 holes), 7,160'-7,170' (10 holes) Perf'd Delaware fr 8,535'-8,545' (10 holes), 7,430'-7,435' (5 holes), 7,410'-7,415' (5 holes), 7,285'-7,295' (10 holes) Acid'z Delaware OH fr 9,123' to 9,805' w/ 5,000 gals of 7-1/2% HCL acid. AIR - 10.5 BPM. Min/Max press - 3,376 psig / 8,350 psig Min/Max - 4.7 BPM/ 23.0 BPM Dropped 1 25" ball in 2,000 gals of 30# linear gel Frac #1 Delaware perfs (8,870'- 9,080') dwn 3-1/2" tbg w/ 2,000 gals 7-1/2" HCL acid, 5,000 gals of 30# Linear gel, 88,575 gals Spectra Star 3,000 containing 5,000# 20/40 Econoprop & 101,000# 20/40 Super LC Dropped 1 50" ball. Flushed begin w/ 2,000 gals 7-1/2" HCL acid & fin w/ 5,000 gals 30# linear gel Max/Min press - 8,006/3,376 psig AIR - 34.5 BPM AIP - 7,800 psig. Frac #2 Delaware perfs (8,535'- 8,745') dwn 3-1/2" tbg w/ 82,160 gals Spectra Star 3,000 containing 2,250# 20/40 Econoprop & 101,000# 20/40 Super LC Dropped 1 75" ball Flushed begin w/ 2,000 gals 7-1/2" HCL acid & fin w/ 5,000 gals 30# linear gel. Max/Min press - 7,864/5,033 psig AIR - 31.0 BPM AIP - 7,400 psig