

DATE IN <u>4.12.11</u>	SUSPENSE	ENGINEER <u>WJ</u>	LOGGED IN <u>4.12.11</u>	TYPE <u>SWD</u>	APP NO <u>1110239640</u>
------------------------	----------	--------------------	--------------------------	-----------------	--------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



INDEXED 005380

Mask Unit #53

SWD

6/1/11
 Lost
 Notices
 SENT

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**
- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____

Eddy,
 State

not yet drilled

- [2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply**
- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Patty Urias Patty Urias Reg. Analyst 4/7/11
 Print or Type Name Signature Title Date

patty-urias@xtenergy.com
 e-mail Address

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, April 26, 2011 12:16 PM
To: 'Patty_Urias@xtoenergy.com'
Cc: Dan_Foland@xtoenergy.com
Subject: RE: C108 - Nash 53 SWD

Those are shallower wells.

Since you will be injecting in the Devonian, the owners of the Devonian "tracts" are the only ones you should send notice to.

Most likely this is XTO. If XTO owns the rights to the Devonian minerals in all lands within ½ mile of the proposed disposal well, have a landman sign off on a statement to that effect and send the signed statement.

If the Devonian depths are not leased or covered by leases owned by other parties, let me know who those mineral owners or lessees are.

From: Patty_Urias@xtoenergy.com [mailto:Patty_Urias@xtoenergy.com]
Sent: Tuesday, April 26, 2011 12:07 PM
To: Jones, William V., EMNRD
Cc: Dan_Foland@xtoenergy.com
Subject: RE: C108 - Nash 53 SWD

Is that not the same information as the 1/2 mile table that was attached to C108 - see below:

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

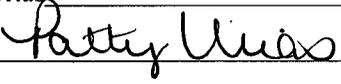
"Every saint has a past, every sinner a future."

"Jones, William V., EMNRD"
<William.V.Jones@state.nm.us>

To "Patty_Urias@xtoenergy.com" <Patty_Urias@xtoenergy.com>
cc "Dan_Foland@xtoenergy.com" <Dan_Foland@xtoenergy.com>
Subject RE: C108 - Nash 53 SWD

04/26/2011 01.02 PM

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? Yes No
- II. OPERATOR: XTO Energy Inc.
ADDRESS: 200 N. Loraine, Suite 800, Midland, TX 79701
CONTACT PARTY: Patty Urias PHONE: 432-620-4318
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. **See Attached**
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. **See Attached**
- VII. Attach data on the proposed operation, including: **Attached**
- Proposed average and maximum daily rate and volume of fluids to be injected;
 - Whether the system is open or closed;
 - Proposed average and maximum injection pressure;
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 - If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval. **Attached**
- IX. Describe the proposed stimulation program, if any. **Attached**
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. **Attached**
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water. **Attached**
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Patty Urias TITLE: Reg. Analyst
SIGNATURE:  DATE: 4/7/11
E-MAIL ADDRESS: patty_urias@xtoenergy.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include: **Attached**

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name. **Devonian, Nash Draw**
- (2) The injection interval and whether it is perforated or open-hole. **15074-16510' Open hole**
- (3) State if the well was drilled for injection or, if not, the original purpose of the well. **Well drilled for SWD**
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations. **See Attached Proposed Wellbore Diagram**
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.
Higher – Morrow (13,000') gas zone – not aware of any lower than the Devonian

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

Tubing Size: proposed 4 1/2" Lining Material: internally coated

Type of Packer: 7" ASIX nickel plated BJ pkr

Packer Setting Depth: 15000'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? X Yes No

If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: Devonian

3. Name of Field or Pool (if applicable): Nash Draw

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

XTO Energy Inc.
Nash Unit #53 SWD
API# unknown
Section 13, Township 23S, Range 29E
Eddy County, New Mexico
C-108 (Application for Authorization to Inject)

VII. Data for Proposed Operation

1. Proposed average & maximum daily rate & volume – 12,000 maximum, 5000 average
2. System is closed
3. Proposed Injection Pressure – 3000 maximum, 1500 average
4. The source of disposal fluids will be reinjected produced water from the Delaware formation.
5. There is not a chemical analysis available of the disposal zone formation.

VIII. Geologic Data

Proposed zone is 15,074-16,510'.

Geologic formation is the Devonian/Fusselman. The lithologic detail is cherty fractured limestone and dolomite, with a thickness of 1500' and depth of 15,100-16,600'.

The Rustler is a known source of fresh water throughout this area. The average depth to the Rustler is 200-400'. There are no known sources of fresh water below the proposed disposal zone.

IX. Proposed Stimulation Program

The Devonian OH will be stimulated with 5000 gals 15% HCL to clean up near wellbore damage. No further stimulation is planned.

X. Well Test Information

No well test information available. Logs will be provided to Division once well is drilled.

XI. Chemical Analysis

Not aware of any fresh water wells within one mile of subject well.

XII. Geological Statement

XTO has examined all available geologic and engineering data in this area and finds no evidence of open faults or other hydrologic connections between the disposal zone and any potable aquifers.

XIII. Proof of Notice

Proof of notice on attached page.

XIV. Surface Owner

The land is all State. The grazing owner information:

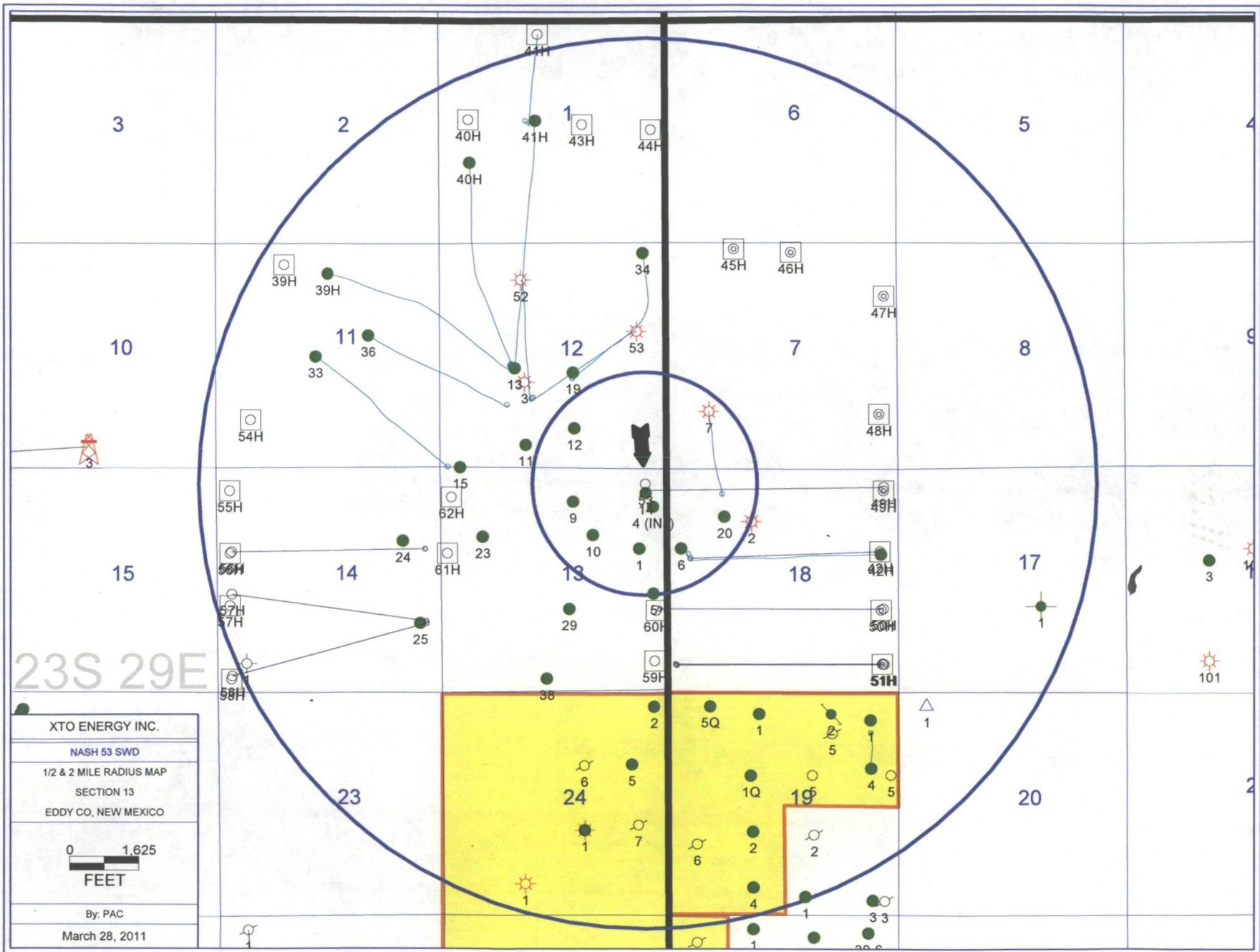
Hart Greenwood
P.O. Box 104
Carlsbad, NM 88220
575-885-4254

Offset Operators within ½-mile radius (active wells)

XTO Energy Inc.
200 N. Loraine, Suite 800
Midland, TX 79701

I, Patty Urias, do hereby certify that on April 7, 2011, the above and attached listed interest parties were mailed copies of the application to dispose of water in the Nash Unit #53 SWD well.

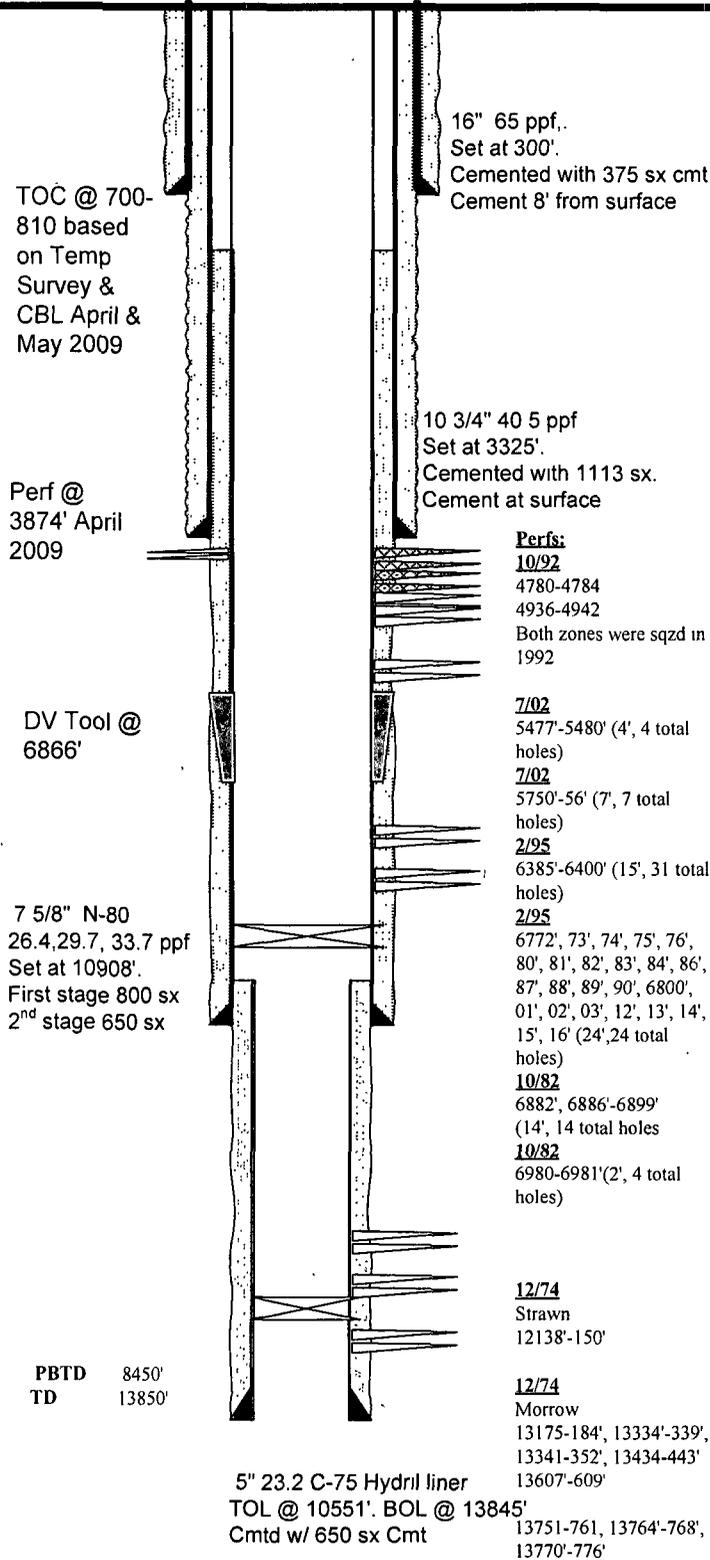
Patty Urias
Regulatory Analyst



XTO ENERGY

Well: Nash Unit #1
 Area: Carlsbad
 Location: Section 13, T23S, R29E
 County: Eddy
 Elevation: 3005 GL

WI: 95.00430%
 NRI: 74.605082%
 Spud: 7/25/1974
 State: New Mexico



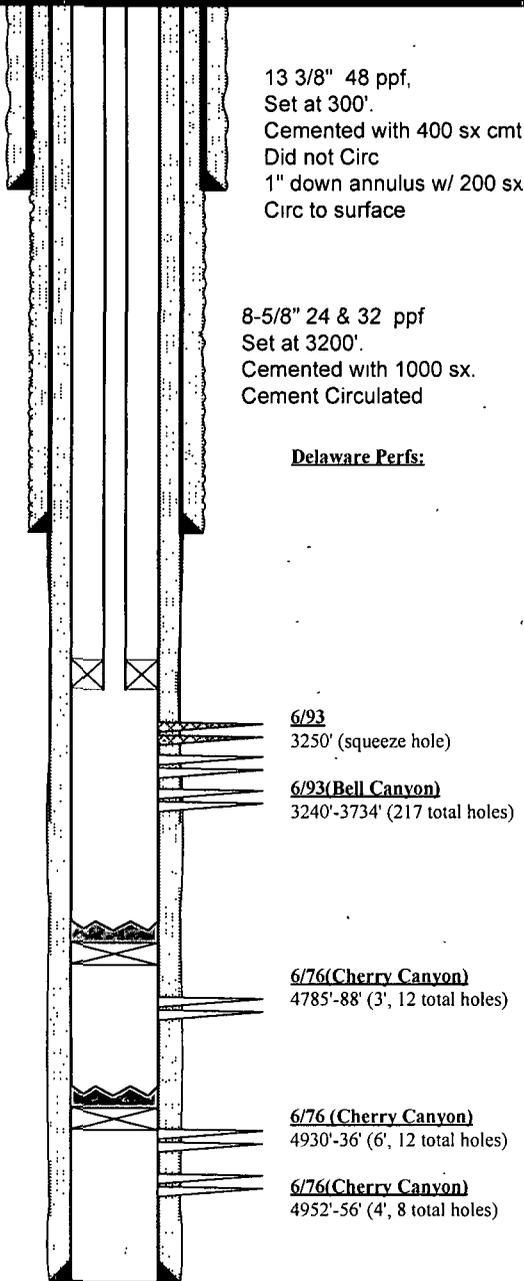
Nash Unit #1
 Spud 7/25/1974
 Complete Well 12/15/1974
 Morrow Initial Completion
 12/74 Perforate (13751'-13776' 20' 20 holes). Acidize w/ 2000 gals
 Plug back to 13700'
 Perforate 13175-13609, IP 2100 MCFPD
 Acidize w/ 5000 gal
 IP 4400 MCFPD 1/2" choke @ 1000 psi FTP
 Perforate Strawn, 12138-12150, IP 3000 MCFPD flowing thru 1" choke FTP 175 psi
 Acidize w/ 2500 gals
 Strawn interval SI Produced Morrow
 Workover
 Recompleted to the Delaware in Jan 92, Perforated 4780-4784 & 4936-4942 but these perfs made high water production
 9/82 - Set CIBP @ 4900', Set CICR @ 4724'. Squeeze with 300sx cmt DO cmt & CIBP to 5036', Set CICR @ 4892'. Retainer failed Set CICR @ 4703'. Squeeze perfs w/ 515 sx cmt DO to 8450'. Pressure test csg to 1000 psi, Test OK
 Run CBL
 Perf 4 squeeze holes @ 6980' & 6981', DID NOT CEMENT SQUEEZE THIS INTERVAL
 Set RBP @ 6962'
 Perforate (6882'-6899', 14', 14 holes), Acidize w/ 1200 gal 7.5% NEFE & 28 BS. AIR 4 BPM @ 2100 psi, ISIP 700 psi, Swab & flow 25-35% oil cut
 Frac down tbg w/ 16800 gal 35# 2% KCL Borate Gel, 24500 16/30 sand & 11,200 # 16/30 DC sand
 IPF 177 BO, 47 BW, GAS NA on 20/64" choke FTP 380 psi
 8/93
 Put zone on pump
 2/95
 Set RBP @ 6850'
 Perforate 6772'-6816' (24', 24 holes). Zone is communicated with lower zone
 Set RBP @ 6450'
 Perforate 6385-6400 (15', 31 total holes)
 Acidize w/ 1500 gal 7 1/2% HCL & BS, AIR 3 BPM @ 1300 psi, ISIP 750 psi
 Swab 25% oil cut
 Frac interval w/ 5500 gal YF120 gel & 8780# 20/40 (ramp 1-6 ppg), AIR 4-8 BPM @ 1000 psi,
 Pull RBP & RWTP
 IPF 14 BO, 34 BW, 210 MCF on 3/20/95
 7/02
 Set RBP @ 5800', Perf 5750-5756' (7', 7 holes), Acidize w/ 1200 gals 7 1/2% HCL & 14 BS, AIR 3 BPM @ 1300 psi, ISIP 380 psi, Swab 100' FE per hour @ 10-20% oil cut
 DID NOT FRAC INTERVAL
 Set RBP 5545'
 Perforate 5477-80 (4', 4 total holes), Acidize w/ 1000 gal 7.5% NEFE & 8 BS, AIR 3 BPM @ 2200 psi, Swab 5% oil cut
 Frac interval down tbg w/ 4600 gal Gelled WF-140 carrying 3500# 16/30 RC sand, AIR 5 BPM @ 1000 psi, ISIP 654 psi
 Pull RBP & return all zones to production
 Final Report
 14 BO, 49 BW & 72 MCF in 24 hours on 10/7/02
 08/07
 POOH w/ 54-1" & 35-7/8 rods, pin broke in 7/8" rods Hot oil tbg and repair rod part RWTP
 4/09 Work required by OCD for #29 SWD approval
 POH w rods & pump Set RBP @ 4394' Dump 10' of sand on top of RBP. Perf csg @ 3874' RIH w/ pkr & WS Set pkr @ 3874' Obtain injection rate of 1.6 BPM @ 600 psi
 POH w/ packer. RIH w/ CICR & set @ 3874' Pump 450 sx 12 4#/gal 50/50 Cl C with 10% gel, 5% salt & 0.125#/sk cello flake @ 3 BPM & 1300 psi FB 100 sx 14.8#/gal CL C cmt w/ 1% CaCL2 @ 2 bpm @ 1100 psi. Pmped 21 bbl FW displacement Hesitated w/ 2 bbls slurry in tbg @ 940 psi Stung out of retainer Reverse out 35 bbl FW & 1 bbl slurry Ran temp survey and TOC @ 700'. DO CICR & circ sand off RBP. Rel RBP and TIH & reset RBP @ 4685' Run CBL log. TOC @ 810' Pull RBP & Return well to prod on 5/6/09

XTO ENERGY



Well: Nash Unit #4 SWD
 Area: Carlsbad
 Location: Section 13, T23S, R29E
 County: Eddy
 Elevation: 3002 GL 3014 KB

WI: 87.674140%
 NRI:
 Spud: 5/9/76
 State: New Mexico



13 3/8" 48 ppf,
 Set at 300'.
 Cemented with 400 sx cmt
 Did not Circ
 1" down annulus w/ 200 sx
 Circ to surface

8-5/8" 24 & 32 ppf
 Set at 3200'.
 Cemented with 1000 sx.
 Cement Circulated

Delaware Perfs:

- 6/93
3250' (squeeze hole)
- 6/93(Bell Canyon)
3240'-3734' (217 total holes)
- 6/76(Cherry Canyon)
4785'-88' (3', 12 total holes)
- 6/76 (Cherry Canyon)
4930'-36' (6', 12 total holes)
- 6/76(Cherry Canyon)
4952'-56' (4', 8 total holes)

PBTD 4620'
 TD 5100'

5-1/2", 17# J-55
 Set at 5100'.
 Cement w/ 560 sx cmt
 TOC @ 3420' (CBL)

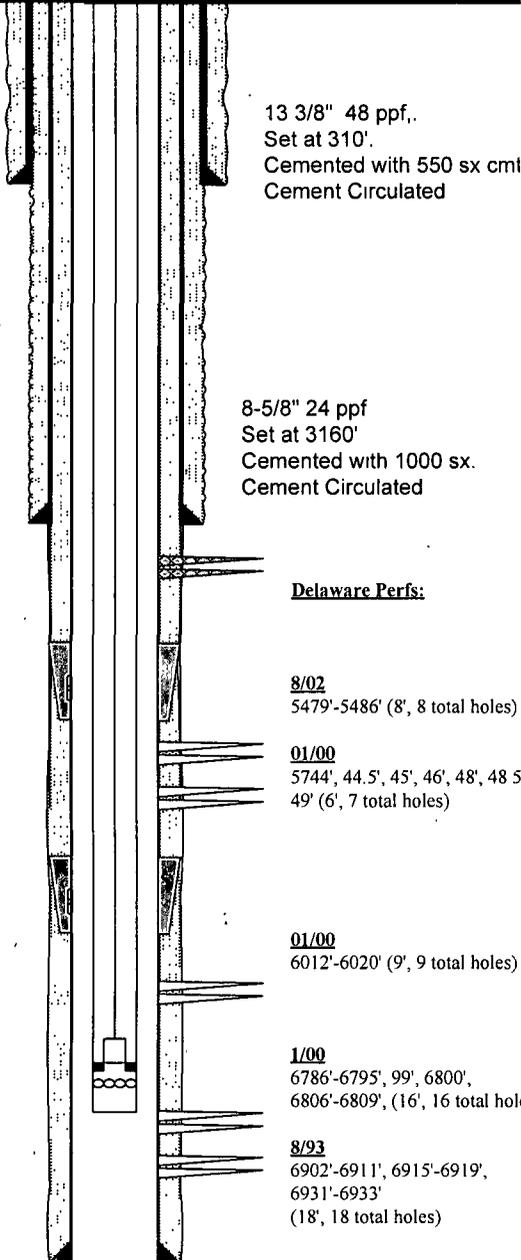
Nash Unit #4
 Spud 5/9/76
 Complete Well 6/2/76
 Delaware (Cherry Canyon)
 6/76 Perforate (4952'-56', 4', 8 total holes), Acidize w/ 500 gals 15% NEFE
 AIR 6 5 BPM @ 2000 psi,
 Swab tested, 100% water
 Set RBP @ 4940'
 Perforate (4930'-36', 6', 12 total holes), Acidize w/ 500 gal 15% NEFE
 AIR 5 5 BPM @ 2000 psi
 Pull packer & RBP,
 Set CIBP @ 4890', dumped 35' of cement on top of plug
 Perf (4785'-88', 3', 12 holes),
 Swab tested interval, Rec 60 BO & no water in 12 hours
 Put well on pump
 FINAL REPORT (CHERRY CANYON)
 IP 58 BO, 45 MCF on pump
 Workover
 6/93
 Convert well to SWD
 POH w/ prod eqpt, Set CIBP @ 4738', Cap w/ 10' of cmt (PBTD 4728')
 Perf squeeze hole @ 3250', Set CIBC @ 3190', Pump 375 sx 35-65 Poz w/ 6% gel & 10#
 salt per sack, Circ 20 sx to pit
 DO cmt
 Perf 3240'-3734' (217 total holes), EXACT PERFS NOT DEFINED IN WELLFILE
 Spot acid across perfs,
 PUH and acidize entire interval w/ 7917 gal 7 1/2% NEFE and 326 BS, AIR 4 5 BPM @
 1450 psi, ISIP 1050 psi, 15 min 900 psi
 RIH w/ 5 1/2" Loc-set packer & 99 jts 2 3/8" J55 EUE 8rd ceramic coated tbg, circ packer
 fluid, Set packer @ 3104'.
 Put well on disposal on 7/30/93
 Jan-08
 POH w/ 2 3/8" IPC tbg & 5 1/2" Loc Set packer. LD packer & tbg RIH w/ 4 1/4" bit, 4 3/4"
 scrapper & 142 jts 2 7/8" WS tbg Tag @ 4633' RIH w/ 3 1/2" WS & packer Frac
 Delaware perfs (3240-3780) down 3 1/2" WS with 3500 gal 7 5% NEFE acid, 61,000 gal
 30# linear gel & 30,500 gal 40# linear gel carrying 8150 lbs 14/30 liteprop 125, 44,750#
 16/30 white sand & 15,000 lbs 16/30 Super LC sand @ 48 BPM & @ 3200 psi ISIP
 1342 psi, 15 min 986 psi, POH w/ 3 1/2" WS. RIH w/ WS & bit Tag @ 4620' POH
 RIH w/ 5 1/2" Baker Loc Set packer, 2 3/8" X 2 7/8" chg over IPC, & 99' jts of 2 7/8" IPC
 TK-70 tbg Set packer @ 3148' Rel packer & circulate 130 bbls packer fluid RUN
 MIT & return well to injection on 1/15/08

XTO ENERGY



Well: Nash Unit #5
Area: Carlsbad
Location: Section 13, T23S, R29E
County: Eddy
Elevation: 3015 GL 3027 KB

WI: 87.674140%
NRI: 66.639132%
Spud: 7/21/93
State: New Mexico



13 3/8" 48 ppf.,
 Set at 310'.
 Cemented with 550 sx cmt
 Cement Circulated

8-5/8" 24 ppf
 Set at 3160'
 Cemented with 1000 sx.
 Cement Circulated

Delaware Perfs:

8/02
 5479'-5486' (8', 8 total holes)

01/00
 5744', 44.5', 45', 46', 48', 48.5',
 49' (6', 7 total holes)

01/00
 6012'-6020' (9', 9 total holes)

1/00
 6786'-6795', 99', 6800',
 6806'-6809', (16', 16 total holes)

8/93
 6902'-6911', 6915'-6919',
 6931'-6933'
 (18', 18 total holes)

PBTD 7265'
TD 7300'

5-1/2", 17# J-55
 Set at 7300'.
 1st Stage cemented with 335 sx
 2nd Stage cemented with 460 sx.
 Circ 1st stage, did not bump plug on
 2nd stage
 Perf'd squeeze holes @ 4150', Set
 CICR @ 4093', Pump 521 sx cmt,
 Squeeze to 1000 psi

Nash Unit #20
 Spud 7/21/93
 Complete Well. 8/7/1993
 Delaware: Initial Completion
 8/93 Perforate (6902'-6933' 18' 18 holes), Acidize w/ 1500 gals 7.5% NEFE
 AIR 2 8 BPM @ 950 psi, ISIP 710 psi, Swab 350' per hour (50% OC).
 Frac down 2 7/8" tbg w/ 26500 YF135 gel carrying 41000# 16/30 RC. AIR 8 BPM @
 2500 psi, Ramp sand from 1-6 ppg, ISIP 998 psi

FINAL REPORT
 IPP 98 BO, 111 BW, 186 MCF in 24 hours, 19/64 choke TP 550#

Workover
 7/94.
 Put zone on pump

Set RBP @ 6874'
 Perforate 6786-6809 (16', 16 holes), Did not acidize as zone was on vacuum

Set RBP @ 6112',
 Perforate 6012-20 (9', 9 total holes) Acidize w/ 1000 gal 7 1/2% HCL + BS, AIR 3 BPM
 @ 1100 psi, ISIP 610 psi, Had paraffin problem but after cleaning out w/ hot water, zone
 swabbed 75-80% oil cut DID NOT FRAC INTERVAL

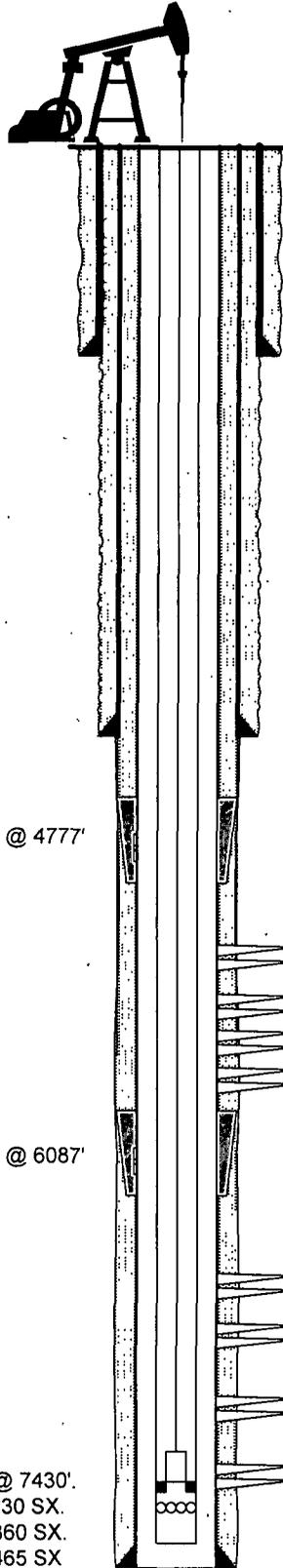
Set RBP @ 5948',
 Perforate 5744'-49' (7', 7 total holes), Acidize w/ 900 gal 7 1/2% HCL & BS, balled out,
 AIR 2 9 BPM @ 1100 psi, ISIP 440 psi, Swab FE was 100% oil cut @ 150'/hr. Frac
 interval w/ 4500 gal YF140 gel & 3000# 16/30 RC sand Ramp sand 1-4 ppa, AIR 6
 BPM @ 1161 psi, ISIP 600#

Set RBP @ 5529'
 Perforate 5479'-86' (8', 8 total holes), Acidize w/ 1500 gal & 16 BS, AIR 3 BPM @ 1200
 psi, ISIP 690 psi, Swab results - 500' per hour FE w/ 25% oil cut
 Frac interval w/ 4400 gal YF140 gel & 3000# 16/30 sand, ramp from 1-4 ppa, AIR 6
 BPM @ 2100 psi, ISIP 650 psi,

Pull RBP, CO sand & RWTP in all intervals

IPP. 50 BOPD, 61 BW & 100 MCF in 24 hours
 3/31/00

NASH UNIT #6



ELEV: GL: 3016'
KB: 3028'

13-3/8" 48 PPF SET @ 273'.
CMT'D W/ 900 SX. CIRC.

8-5/8" 24 & 32 PPF SET @ 3112'.
CMT'D W/ 1000 SX. CIRC.

DV TOOL @ 4777'

DELAWARE PERFS:

3/00
5485'-5489' (5', 5 TOTAL HOLES)
3/00
5758'-5764' (7', 7 HOLES)
3/00
5923'-5935' (12', 12 HOLES)

2/00
6018'-6020' (3', 5 HOLES)
2/00
6369'-6376' (8', 8 HOLES)
2/00
6576'-6584' (9', 9 HOLES)
2/00
6802'-08', 12', 13', 14', 17', 18', 19', 20', 21'
(15', 15 TOTAL HOLES)

6/93
6906', 07', 13', 14', 16', 17', 18', 19', 20', 24',
25', 26', 28', 29', 30', 31', 32', 33' (18', 18
HOLES),

5-1/2", 17# J-55 SET @ 7430'.
1ST STG CMT'D W/ 230 SX.
2ND STG CMT'D W/ 360 SX.
3RD STG CMT'D W/ 465 SX
CIRC 2ND STG

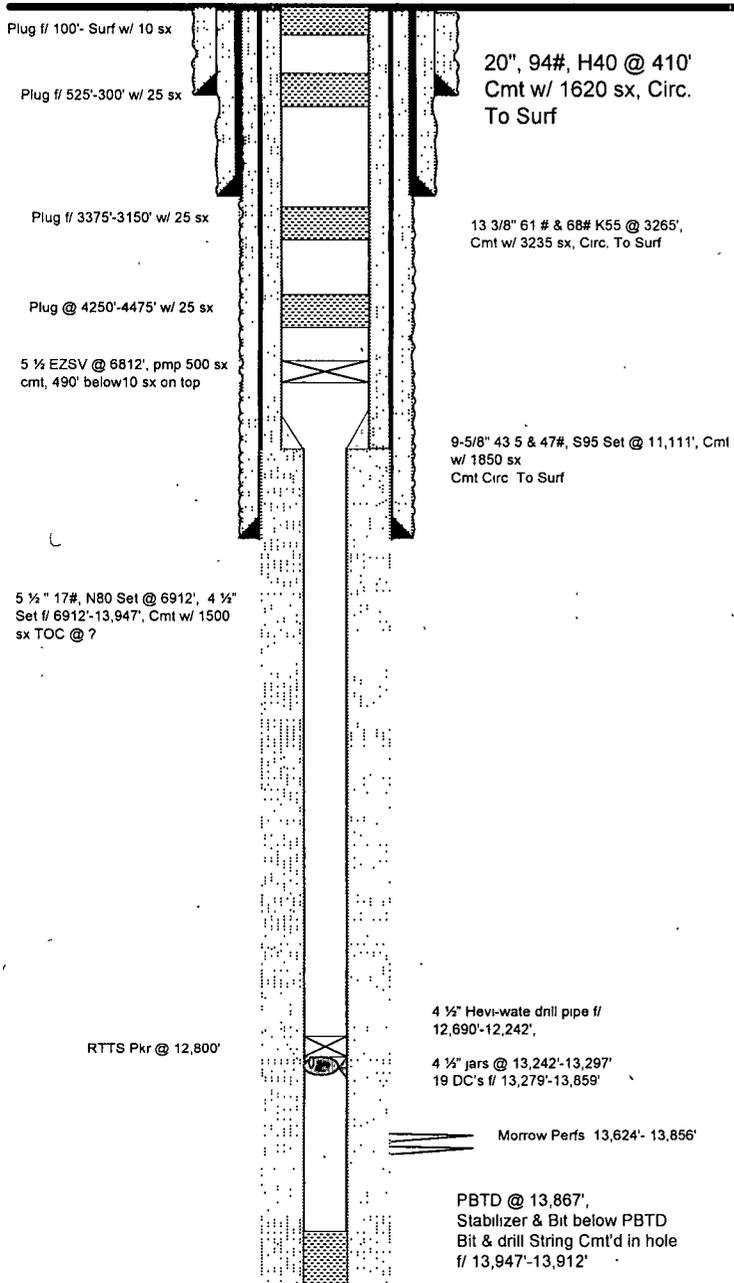
PBSD 7388'
TD 7430'

XTO ENERGY



Well: Nash Unit #7
 Area: Carlsbad
 Location: Section 18, T23S, R30E
 County: Eddy
 Elevation: 3012 GR

WI: 83.74025%
 NRI: 66.32485%
 Spud: 8/2/1979
 State: New Mexico

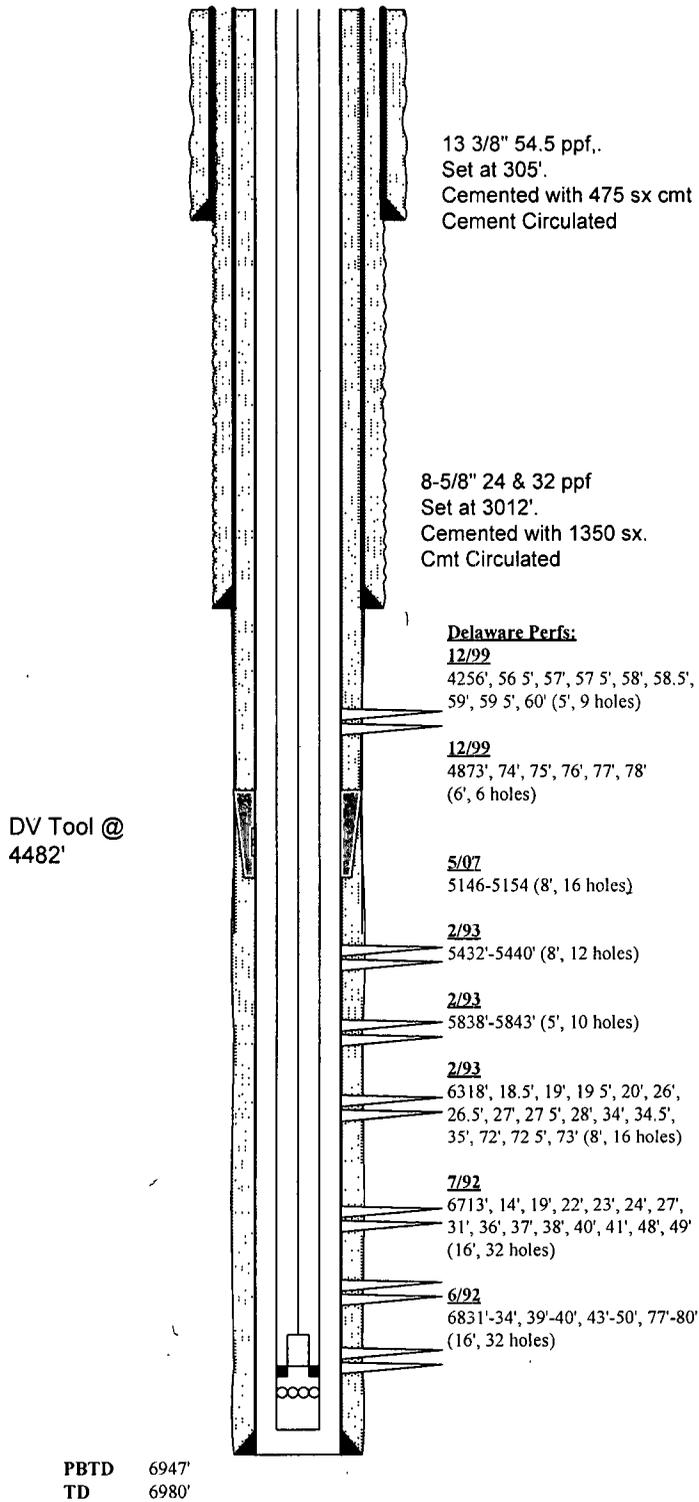


Nash Unit #7.
 Spud: 8/2/1979
 Complete Well.
 Morrow. Initial Completion
 5/80. Perforate 13,624'-13,879' (48 holes) Acidize w/ 1591 gals 7 5% acid
 IPF. 0 BO, 185 BW, 965 MCFPD in 24 hours, FTP 1000 psi on 16/64 choke
 Workovers
 8/91:
 Set inflatable Pkr @ 12,800'
 Acidize perfs 12,624'-13,856 w/ 8000 gals 50 quality 7 1/2% HCL & 50 quality foamed methanol ISIP 1650#, Show of gas and making water
 8/88:
 Plug & Abandon well. Started out of hole w/ tbg, it parted @ 8202' Permission was given to cmt w/ tbg in hole Set CICR was set @ 6815', stung into @ pmp 500 sx cmt w/ 490 sx below CICR 10 sx on top of RTR. Spot cmt plug @ 4250'-4475' w/ 25 sx, set plug #2 f/ 3375'-3150' w/ 25 sx C I H, Set plug #3 f/ 525'-300' w/ 25 sx, set plug #4 f/ 100'- Surf w/ sx we10 sxs Welded dry hole marker Well P&A'd

PBTD
 TD 13,947'

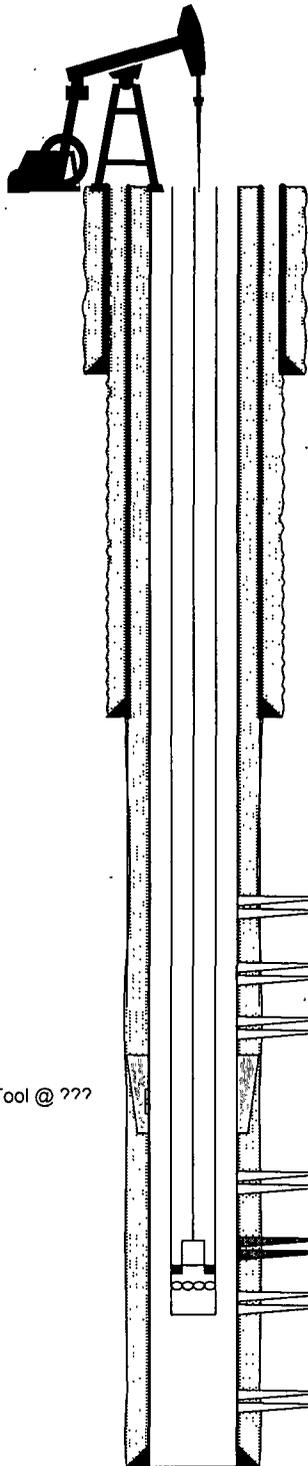
5-1/2", 17# J-55
 Set at 7430'.
 1st Stage cemented with 230 sx.
 2nd Stage cemented with 360 sx.
 3rd Stage cemented with 465 sx
 Circ 2nd stage

NASH UNIT #9



5-1/2", 17# J-55
Set at 6980'
1st Stage cemented with 550 sx. TOC
@ 4670' below DV tool
2nd Stage cemented with 500 sx.

NASH UNIT #10



ELEV. GL 2998'
KB. 3010'

13-3/8" 48 PPF SET @ 310' &
CMT'D W/475SX CIRC

8-5/8" 24 & 32 PPF SET @ 3015'
CMT'D W/ 1250SX. CIRC.

DELAWARE PERFS:

4/93

5302'-5308' (6', 12 HOLES)

4/93

5370', 70 5', 71', 71 5', 72', 83', 83 5', 84',
84.5', 85', 85 5', 86', 86.5', 87' (7', 14

HOLES)

4/93

5441', 41.5', 42', 42 5', 43', 48', 48 5', 49',
49 5', 50', 50 5', 51', 51.5', 52', 52.5', 53',

5582 5', 83' (9', 18 TOTAL HOLES)

4/93

5858'-64' (6', 36 TOTAL HOLES)

3/93

6319', 20', 21', 22', 24', 26', 26 5', 29', 29.5'
(4.5', 9 HOLES) - SQZ'D IN 1993

3/93

6767', 67 5', 68', 70', 73', 73 5', 77 5', 78',
78 5', 79', 79 5' (5 5', 11 TOTAL HOLES)

12/92

6846', 47', 48', 49', 50', 51', 52', 58', 59', 60',
61', 62', 63', 64' (14', 14 HOLES),

DV Tool @ ???

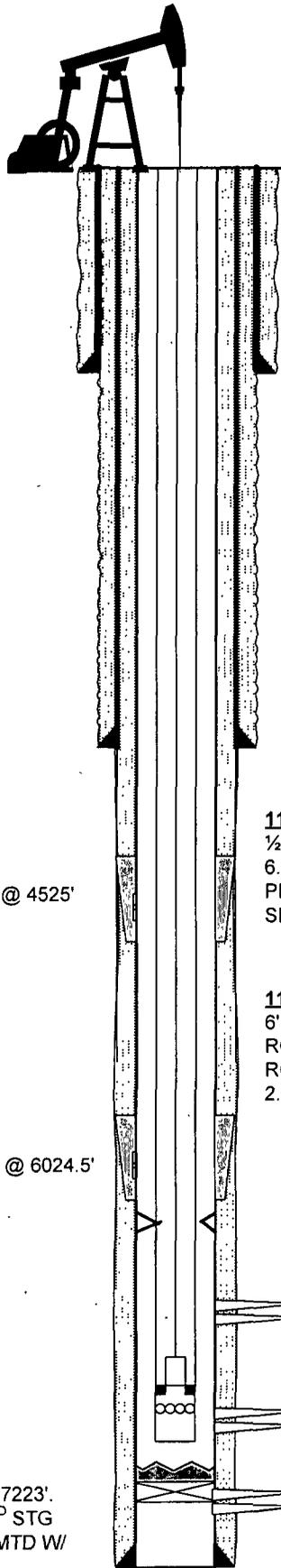
PBTD 7184'
TD 7198'

5-1/2", 17# J-55 SET @ 7198'.

1st STG CMT'D W/525SX

2nd STG CMT'D W/ 700SX.

NASH UNIT #12



ELEV: GL. 2986'

13-3/8" 48 PPF SET @ 310'. CMT'D W/ 425 SX. CIRC.

8-5/8" 32 PPF SET @ 3005'. CMT'D W/950SX. CIRC.

DV TOOL @ 4525'

11/22/06: 197 JTS 2-7/8", 6.5#, J-55, EUE, 8RD TBG, 2-7/8" X 5-1/2" TAC, 24 JTS 2-7/8", 6.5#, J-55, EUE, 8RD TBG, 1 JT 2-7/8", 6.5#, J-55, EUE, 8RD IPC TBG (TK-99), 2-7/8" API SN, 2-7/8" PERF SUB, 1 JT 2-7/8" TBG MJA, BULL PLUG TAC @ 6079'. SN @ 6874'. EOT @ 6912'.

11/22/06: 1-1/4" X 26' PR, 1-1/4" PR LINER, 4 - 1" PONY RODS (8', 6', 4', 2'), 81 - 1" D-78 SUCKER RODS, 56 - 7/8" D-78 SUCKER RODS, 118 - 3/4" D-78 SUCKER RODS, 18 - 7/8" D-78 SUCKER RODS, 4' STBLZ SUB.
2.5" X 1.50" RXBC X 24' X 4' W/1-1/4" X 12' GA.

DV TOOL @ 6024.5'

DELAWARE PERFS:

4/03
6265'-69' (5', 5 HOLES)

11/96
6719', 20', 21', 6802', 03', 12', 13', 16', 19', 20', 21', 22', 23', 24', 28', 29', 30', 31', 32', 34', 46', 47', 48', 67', 68', 69' (26', 26 HOLES)

10/96
6997', 98', 99', 7003', 04', 05', 06', 12', 13', 14', 15', 16', 17', 18', 19', 31', 32', 33' (18', 18 HOLES),

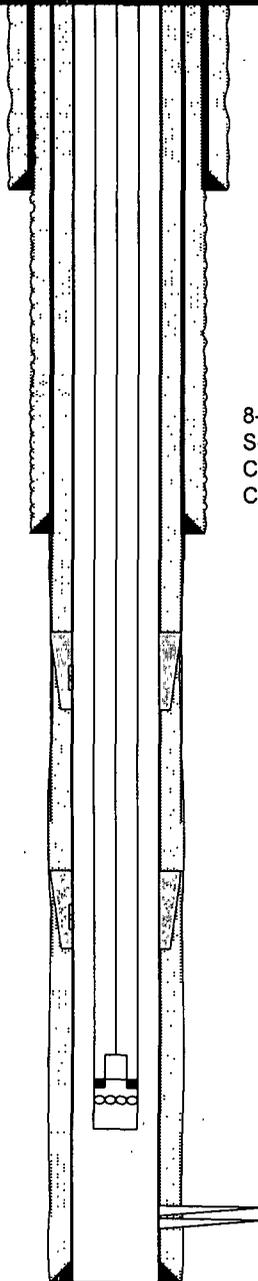
5-1/2", 17# N-80 & J-55 SET @ 7223'.
1ST STG CMTD W/ 240 SX 2ND STG
CMTD W/ 350 SX. 3RD STG CMTD W/
530 SX, CIRC 1ST & 2ND STGS

PBTD 6997'
TD 7223'

XTO ENERGY

Well: Nash Unit #14
 Area: Carlsbad
 Location: Section 13, T23S, R29E
 County: Eddy
 Elevation: 3004 GL

WI: 83.740250%
 NRI: 66.32485%
 Spud: 7/13/1993
 State: New Mexico



13 3/8" 48 ppf.,
 Set at 315'.
 Cemented with 400 sx cmt
 Cement Circulated

8-5/8" 32 ppf
 Set at 3045'.
 Cemented with 1275 sx.
 Cmt Circulated

Delaware Perfs:

7/93
 6870', 71', 72 5', 73', 74', 76',
 76 5', 80', 81', 82', 85', 86', 87',
 88', 89' (14', 15 holes),

PBTD 7268'
 TD 7280'
 5-1/2", 17# J-55
 Set at 7280'.
 1st Stage cemented with 335 sx.
 2nd Stage cemented with 335 sx.
 3rd Stage cemented with 395 sx
 Circulated on 1st & 2nd stages

Nash Unit #14
 Spud 7/13/1993
 Complete Well: 7/28/1993
Delaware: Initial Completion
 7/1993: Perforate 6870'-89'(14', 15 holes), Acidize w/ 1400 gals 7.5% NEFE, AIR 2.8
 BPM @ 1050 psi, ISIP 700#, Swab 50% oil cut (800' FE per hour)
 Frac down tbg w/ YF135 gel carrying 47900# 16/30 Super Sand, AIR 6-10 BPM @ 2000
 psi, ISIP 1053#

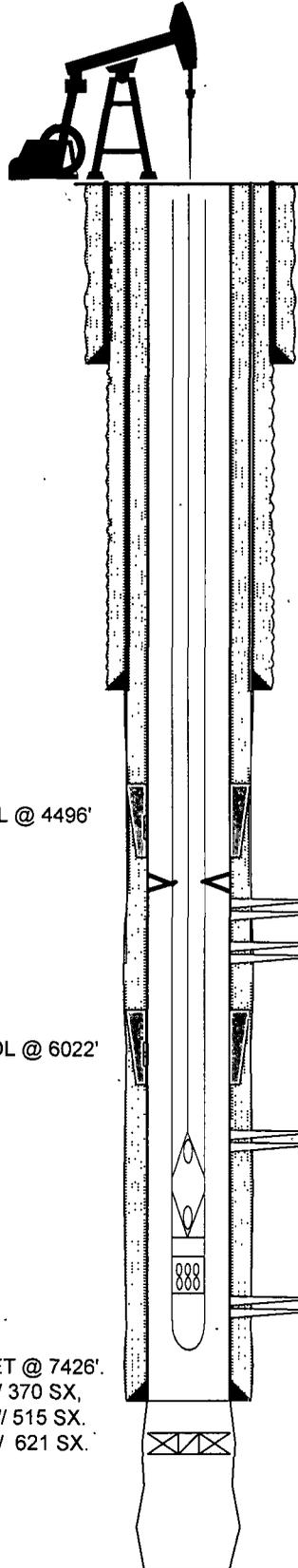
IPF: 106 BO & 154 BW, Gas NA in 24 hours, FTP 530 on 17/64" choke

Workovers
 7/94:
 Put zone on rod pump

DV Tool @
 4658'

DV Tool @
 6028'

NASH UNIT 20



ELEV: GL: 3025'
KB: 3037'

01/18/08: 160 JTS 2-7/8", 6.5#, J-55, EUE, 8RD TBG, 2-7/8" x 5-1/2" TAC, 56 JTS 2-7/8", 6.5#, J-55, EUE, 8RD TBG, 1 JT 2-7/8", 6.5#, J-55, EUE, 8RD, IPC TBG (TK-70), 2-7/8" SN, 2-7/8" PS, 1 JT 2-7/8", 6.5#, J-55, EUE, 8RD MABP TAC @ 5291' SN @ 7162'. LANDED @ 7200'.

13-3/8" 48 PPF, SET @ 308'.
CMT'D W/425 SX. CIRC.

08/04/09: 1-1/2" X 26' SMPR, 1" X 8', 6', 4', 2' N-97 ROD SUBS, 60 - 1" N-97 (92), 204 - 7/8" N-97 RODS (92), 19 - 1" N-97 RODS (92), 1" X 4' STBL SUB.
2 25" X 1 25" RHBC - 20' - 4' - 3' - 1' WILSON EXCH PMP (SN DC-939) W/1-1/4" X 6' GA.

8-5/8" 32 PPF SET @ 3058'.
CMT'D W/ 1500 SX. CIRC.

DV TOOL @ 4496'

DELAWARE PERFS

8/02
5319', 20', 21', 24', 25', 26', 29', 30', 31' (9', 9 TOTAL HOLES)

DV TOOL @ 6022'

8/02
5497'-5509' (8 TOTAL HOLES)

08/02
6254'-57' (4', 4 TOTAL HOLES)

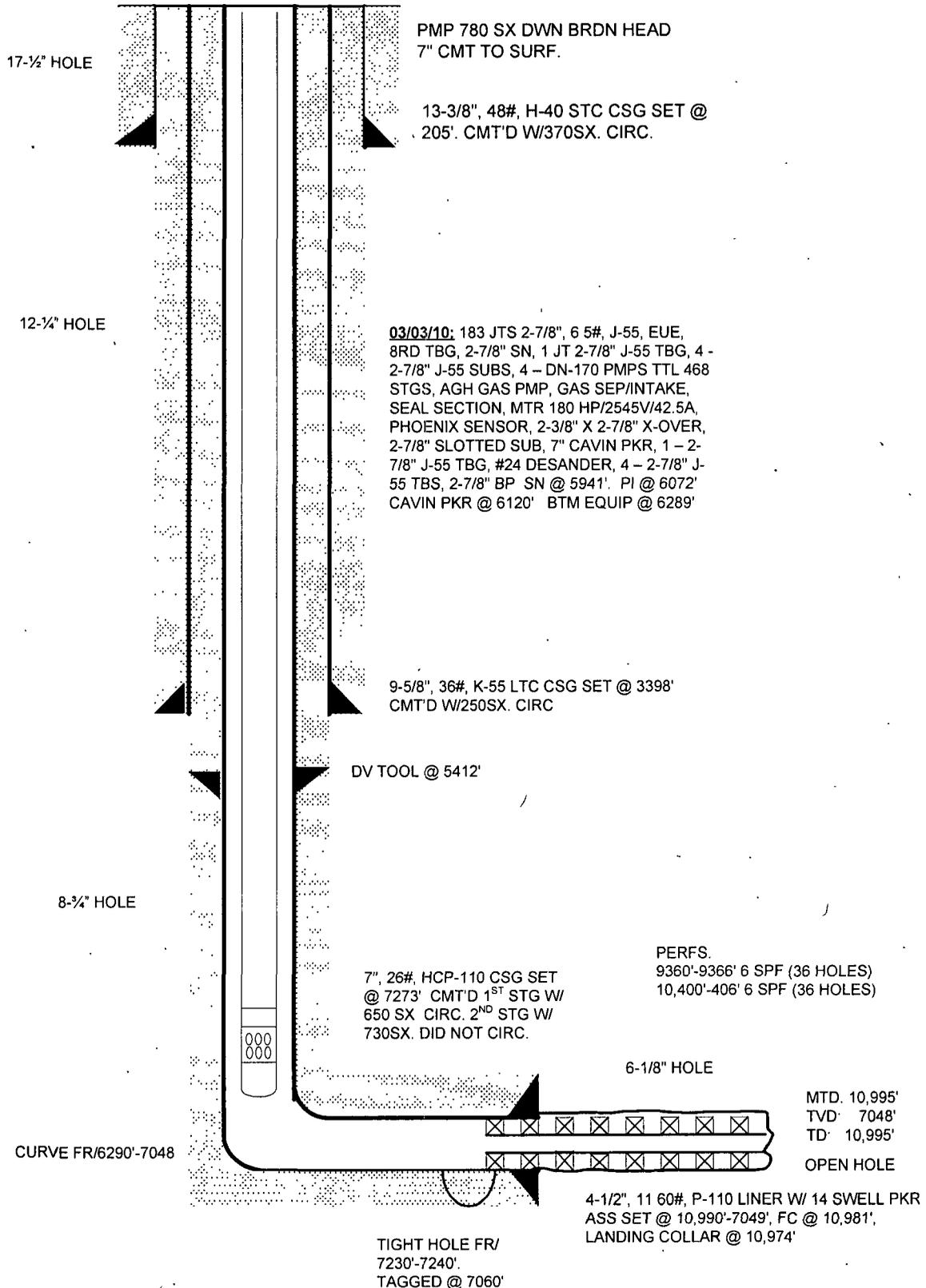
5-1/2", 17# N-80 SET @ 7426'.
1st STG CMT'D W/ 370 SX,
2nd STG CMT'D W/ 515 SX.
3rd STG CMT'D W/ 621 SX.

6/94
6932', 32.5', 36', 38.5', 39', 40', 42', 42.5', 46', 47', 48', 49', 50', 55', 56' (15', 15 TOTAL HOLES)

PBTD: 7520' CMT PLUG @ 7520'
TD: 9300'

NASH UNIT #42H

ELEV: GL: 3018'





Water Analysis Report

Production Company: **XTO West Texas**

Sample ID: **WA-56467**

Well Name: **NASH DRAW WATER STATION**

Sample Date: **4/6/2011**

Sales Rep: **Robert Garton**

Lab Tech: **Jennifer Dennis**

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	4/6/2011	Calcium (Ca):	29259.00	Chloride (Cl):	183000.00
Temperature (°F):	82	Magnesium (Mg):	4790.00	Sulfate (SO4):	49.00
Sample Pressure (psig):	100	Barium (Ba):	5.43	Dissolved CO2:	360.00
Specific Gravity (g/cm³):	1.2030	Strontium (Sr):	-	Bicarbonate (HCO3):	48.80
pH:	6.4	Sodium (Na):	63325.00	Carbonate (CO3):	-
Turbidity (NTU):	-	Potassium (K):	-	H2S:	-
Calculated T.D.S: (mg/L):	280893	Iron (Fe):	45.00	Phosphate (PO4):	-
Molar Conductivity (µS/cm):	425595	Manganese (Mn):	10.60	Silica (SiO2):	-
Resitivity (Mohm):	0.0235	Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO3):	-
		Ammonia NH3:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate		Gypsum		Calcium Sulfate		Strontium Sulfate		Barium Sulfate		Calculated CO2 psi
		CaCO3		CaSO4•2H2O		CaSO4		SrSO4		BaSO4		
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
82	100	3.78	0.01	0.03	-135.42	0.03	-141.75	-	-	0.05	-26.04	0.06
80	0	3.67	0.01	0.03	0.00	0.03	-142.79	-	-	0.06	-25.28	0.89
100	0	4.78	0.02	0.03	0.01	0.03	-128.79	-	-	0.04	-32.88	0.84
120	0	5.94	0.02	0.03	0.01	0.03	-108.58	-	-	0.02	-40.77	0.69
140	0	7.14	0.02	0.03	0.02	0.04	-86.41	-	-	0.02	-49.80	0.57
160	0	8.28	0.03	0.04	0.02	0.05	-65.42	-	-	0.01	-60.19	0.47
180	0	9.26	0.03	0.04	0.02	0.06	-47.40	-	-	0.01	-72.17	0.38
200	0	9.92	0.03	0.04	0.02	0.08	-33.00	-	-	0.01	-86.06	0.28
220	2.51	9.99	0.03	0.04	0.02	0.11	-22.88	-	-	0.00	-104.13	0.20
240	10.3	9.71	0.03	0.04	0.02	0.16	-14.71	-	-	0.00	-123.60	0.15
260	20.76	9.00	0.03	0.04	0.02	0.25	-8.91	-	-	0.00	-146.42	0.11
280	34.54	7.98	0.02	0.04	0.02	0.38	-4.87	-	-	0.00	-173.29	0.08
300	52.34	6.79	0.02	0.04	0.02	0.59	-2.10	-	-	0.00	-205.07	0.06

Conclusions:

Notes:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F

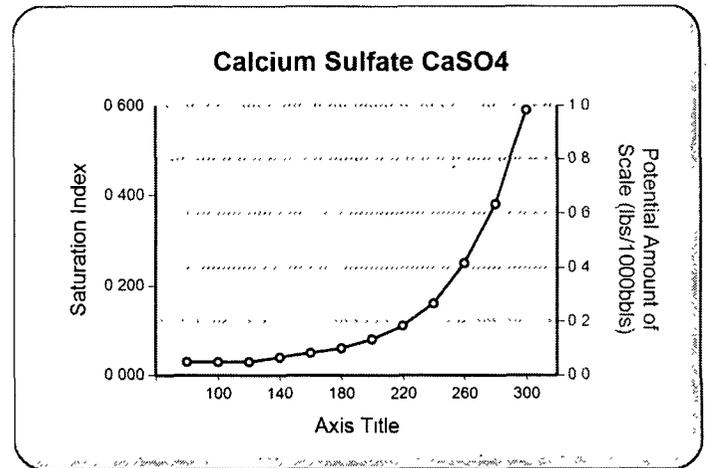
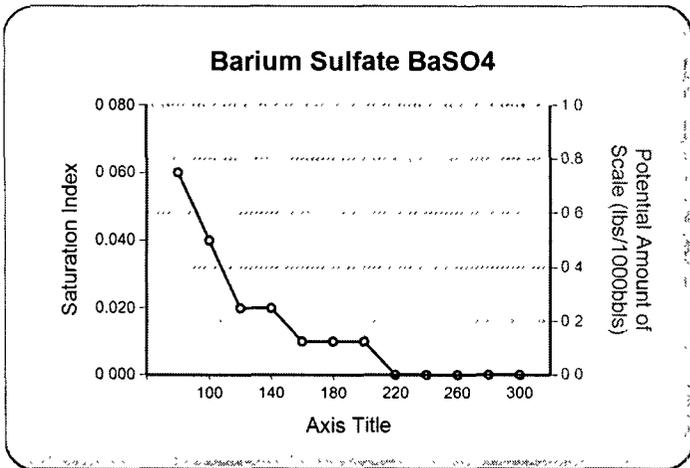
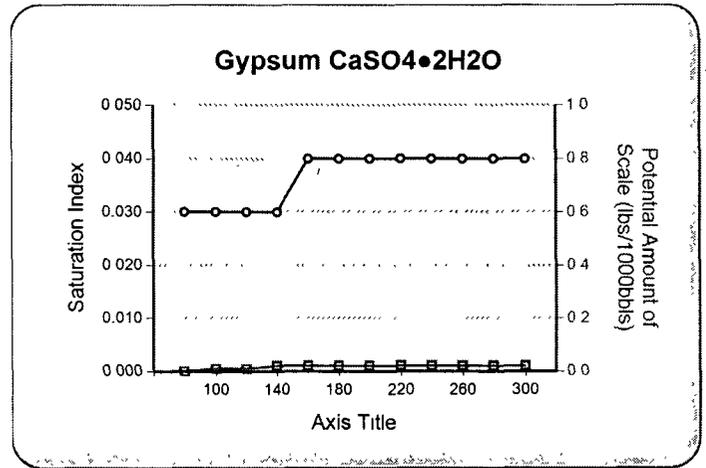
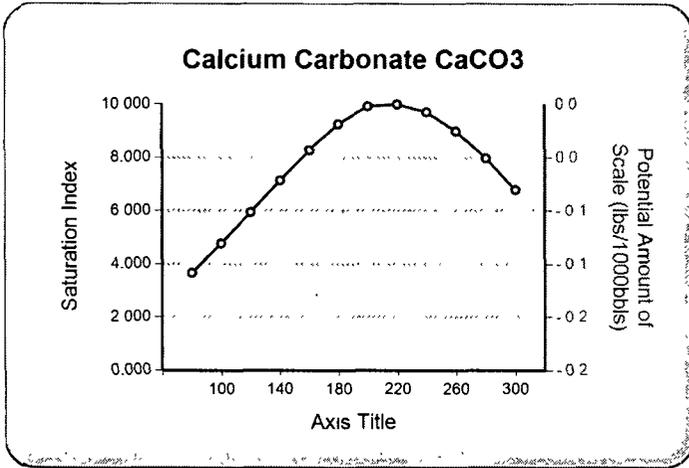
Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate Scaling Index is negative from 80°F to 300°F

Water Analysis Report





Water Analysis Report

Production Company: **XTO West Texas**

Sample ID: **WA-55124**

Well Name **NASH DRAW WATER STATION**

Sample Date: **3/2/2011**

Sales Rep. **Robert Garton**

Lab Tech. **Peter Poulsen**

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	3/2/2011	Calcium (Ca):	24183.00	Chloride (Cl):	184000.00
Temperature (°F):	81	Magnesium (Mg):	5002.00	Sulfate (SO ₄):	61.00
Sample Pressure (psig):	50	Barium (Ba):	7.04	Dissolved CO ₂ :	350.00
Specific Gravity (g/cm ³):	1.2070	Strontium (Sr):		Bicarbonate (HCO ₃):	48.80
pH:	6.5	Sodium (Na):	68043.00	Carbonate (CO ₃):	
Turbidity (NTU):		Potassium (K):		H ₂ S:	
Calculated T.D.S. (mg/L):	281742	Iron (Fe):	37.40	Phosphate (PO ₄):	
Molar Conductivity (µS/cm):	426881	Manganese (Mn):	9.34	Silica (SiO ₂):	
Resistivity (Mohm):	0.0234	Lithium (Li):		Fluoride (F):	
		Aluminum (Al):		Nitrate (NO ₃):	
		Ammonia (NH ₃):		Lead (Pb):	
				Zinc (Zn):	
				Bromine (Br):	
				Boron (B):	

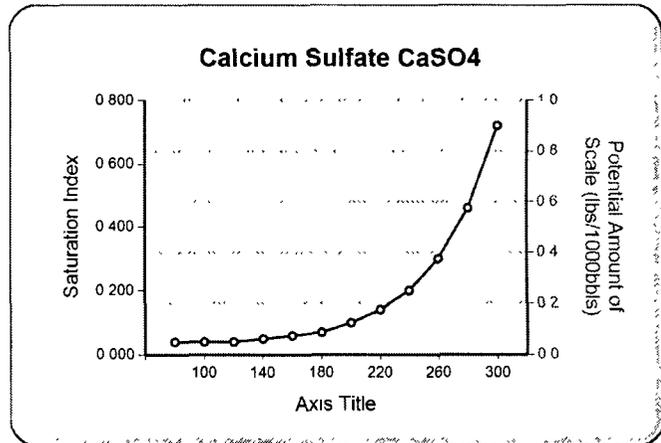
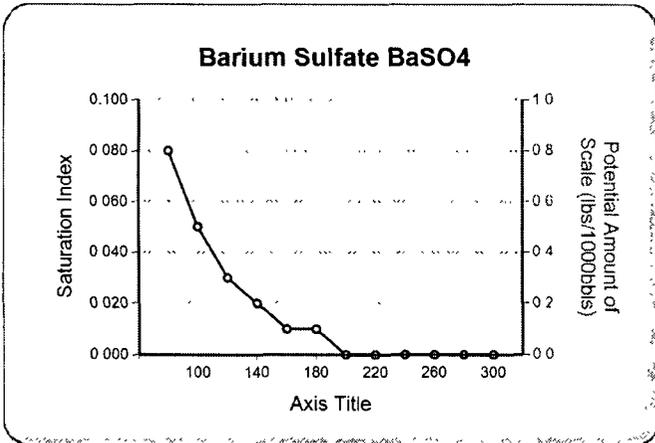
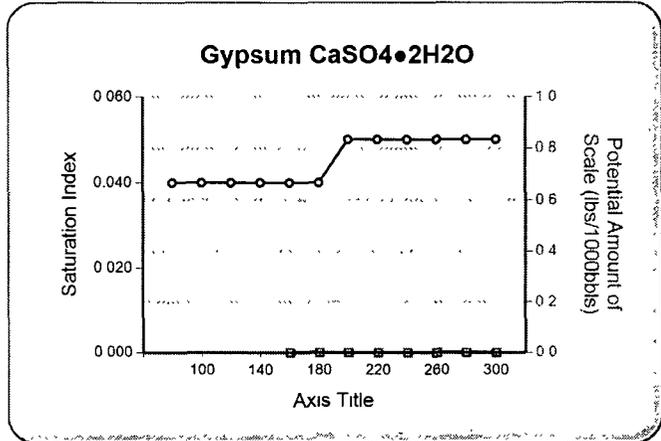
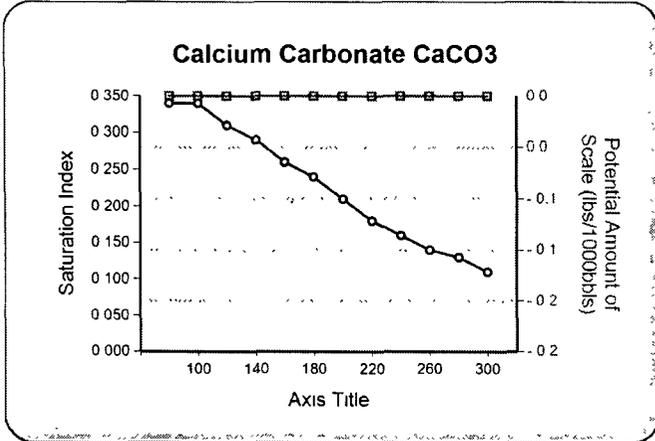
Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO ₃		Gypsum CaSO ₄ •2H ₂ O		Calcium Sulfate CaSO ₄		Strontium Sulfate SrSO ₄		Barium Sulfate BaSO ₄		Calculated CO ₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
81	50	0.34	0.00	0.04	-154.30	0.04	-159.78			0.08	-28.53	0.22
80	0	0.34	0.00	0.04	-0.01	0.04	-160.27			0.08	-28.07	0.09
100	0	0.34	0.00	0.04	-0.01	0.04	-145.34			0.05	-38.05	0.12
120	0	0.31	0.00	0.04	-0.01	0.04	-122.93			0.03	-49.75	0.13
140	0	0.29	0.00	0.04	-0.01	0.05	-97.96			0.02	-63.46	0.15
160	0	0.26	0.00	0.04	0.00	0.06	-74.11			0.01	-79.54	0.17
180	0	0.24	0.00	0.04	0.00	0.07	-53.54			0.01	-98.42	0.19
200	0	0.21	0.00	0.05	0.00	0.10	-37.05			0.00	-120.64	0.20
220	2.51	0.18	0.00	0.05	0.00	0.14	-25.43			0.00	-149.57	0.20
240	10.3	0.16	0.00	0.05	0.00	0.20	-16.07			0.00	-181.46	0.21
260	20.76	0.14	0.00	0.05	0.00	0.30	-9.42			0.00	-219.22	0.21
280	34.54	0.13	0.00	0.05	0.00	0.46	-4.80			0.00	-264.06	0.22
300	52.34	0.11	0.00	0.05	0.00	0.72	-1.61			0.00	-317.47	0.22

Conclusions:

Calcium Carbonate Scaling Index is negative from 80°F to 300°F
 Gypsum Scaling Index is negative from 80°F to 300°F
 Calcium Sulfate Scaling Index is negative from 80°F to 300°F
 Strontium Sulfate scaling was not evaluated
 Barium Sulfate Scaling Index is negative from 80°F to 300°F

Notes:

Water Analysis Report





Water Analysis Report

Production Company: **XTO West Texas**

Sample ID: **WA-56467**

Well Name: **NASH DRAW WATER STATION**

Sample Date: **4/6/2011**

Sales Rep: **Robert Garton**

Lab Tech: **Jennifer Dennis**

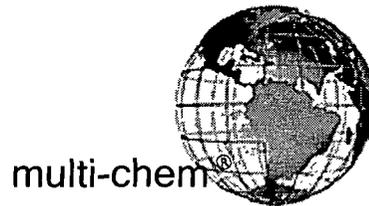
Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	4/6/2011	Calcium (Ca):	29259.00	Chloride (Cl):	183000.00
Temperature (°F):	82	Magnesium (Mg):	4790.00	Sulfate (SO ₄):	49.00
Sample Pressure (psig):	100	Barium (Ba):	5.43	Dissolved CO ₂ :	360.00
Specific Gravity (g/cm ³):	1.2030	Strontium (Sr):		Bicarbonate (HCO ₃):	48.80
pH:	6.4	Sodium (Na):	63325.00	Carbonate (CO ₃):	
Turbidity (NTU):		Potassium (K):		H ₂ S:	
Calculated T.D.S. (mg/L):	280893	Iron (Fe):	45.00	Phosphate (PO ₄):	
Molar Conductivity (µS/cm):	425595	Manganese (Mn):	10.60	Silica (SiO ₂):	
Resistivity (Mohm):	0.0235	Lithium (Li):		Fluoride (F):	
		Aluminum (Al):		Nitrate (NO ₃):	
		Ammonia (NH ₃):		Lead (Pb):	
				Zinc (Zn):	
				Bromine (Br):	
				Boron (B):	

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO ₃		Gypsum CaSO ₄ •2H ₂ O		Calcium Sulfate CaSO ₄		Strontium Sulfate SrSO ₄		Barium Sulfate BaSO ₄		Calculated CO ₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
82	100	3.78	0.01	0.03	-135.42	0.03	-141.75			0.05	-26.04	0.06
80	0	3.67	0.01	0.03	0.00	0.03	-142.79			0.06	-25.28	0.89
100	0	4.78	0.02	0.03	0.01	0.03	-128.79			0.04	-32.88	0.84
120	0	5.94	0.02	0.03	0.01	0.03	-108.58			0.02	-40.77	0.69
140	0	7.14	0.02	0.03	0.02	0.04	-86.41			0.02	-49.80	0.57
160	0	8.28	0.03	0.04	0.02	0.05	-65.42			0.01	-60.19	0.47
180	0	9.26	0.03	0.04	0.02	0.06	-47.40			0.01	-72.17	0.38
200	0	9.92	0.03	0.04	0.02	0.08	-33.00			0.01	-86.06	0.28
220	2.51	9.99	0.03	0.04	0.02	0.11	-22.88			0.00	-104.13	0.20
240	10.3	9.71	0.03	0.04	0.02	0.16	-14.71			0.00	-123.60	0.15
260	20.76	9.00	0.03	0.04	0.02	0.25	-8.91			0.00	-146.42	0.11
280	34.54	7.98	0.02	0.04	0.02	0.38	-4.87			0.00	-173.29	0.08
300	52.34	6.79	0.02	0.04	0.02	0.59	-2.10			0.00	-205.07	0.06

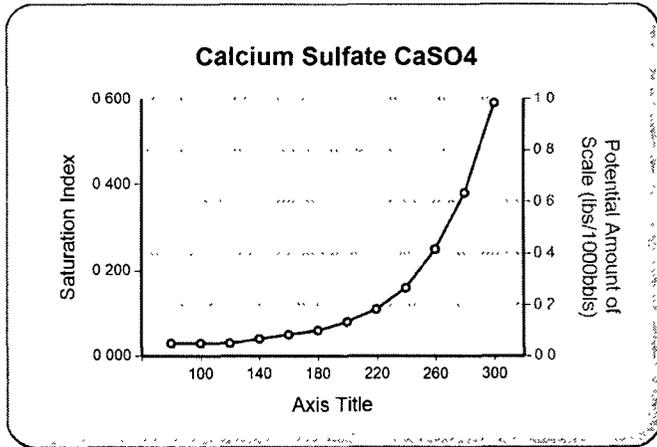
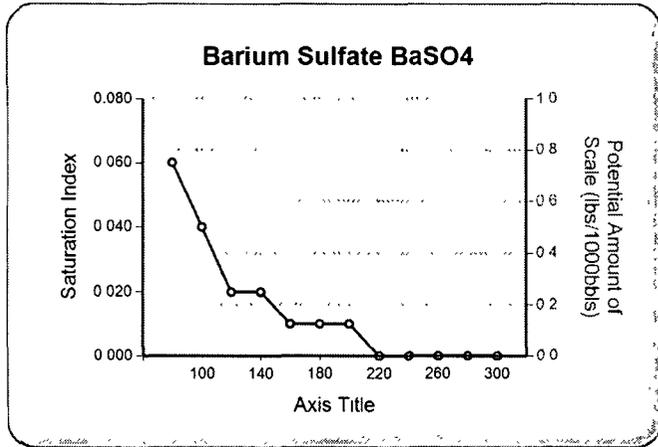
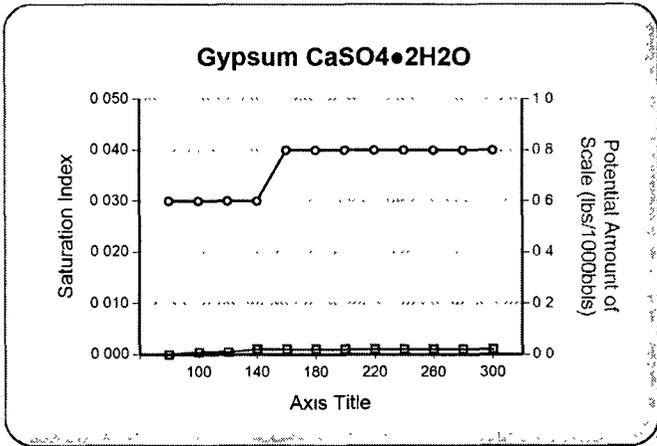
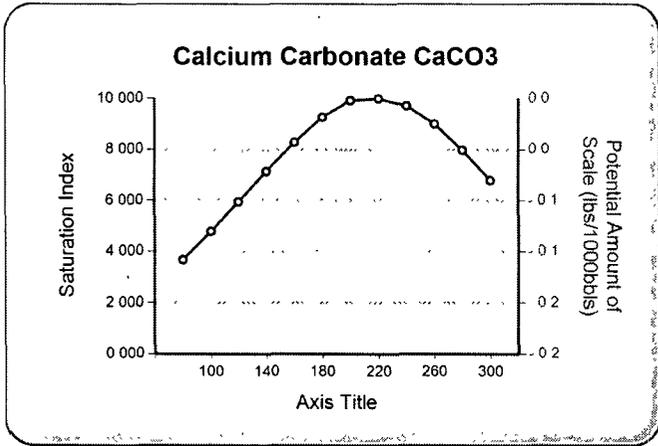
Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F
 Gypsum Scaling Index is negative from 80°F to 300°F
 Calcium Sulfate Scaling Index is negative from 80°F to 300°F
 Strontium Sulfate scaling was not evaluated
 Barium Sulfate Scaling Index is negative from 80°F to 300°F

Notes:



Water Analysis Report





Water Analysis Report

Production Company: **XTO West Texas**

Sample ID: **WA-55124**

Well Name: **NASH DRAW WATER STATION**

Sample Date: **3/2/2011**

Sales Rep: **Robert Garton**

Lab Tech: **Peter Poulsen**

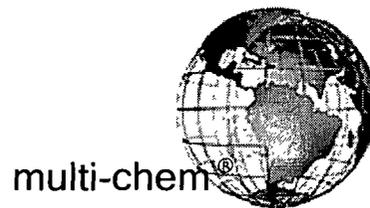
Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	3/2/2011	Calcium (Ca):	24183.00	Chloride (Cl):	184000.00
Temperature (°F):	81	Magnesium (Mg):	5002.00	Sulfate (SO ₄):	61.00
Sample Pressure (psig):	50	Barium (Ba):	7.04	Dissolved CO ₂ :	350.00
Specific Gravity (g/cm ³):	1.2070	Strontium (Sr):	-	Bicarbonate (HCO ₃):	48.80
pH:	6.5	Sodium (Na):	68043.00	Carbonate (CO ₃):	-
Turbidity (NTU):	-	Potassium (K):	-	H ₂ S:	-
Calculated T.D.S. (mg/L):	281742	Iron (Fe):	37.40	Phosphate (PO ₄):	-
Molar Conductivity (µS/cm):	426881	Manganese (Mn):	9.34	Silica (SiO ₂):	-
Resistivity (Mohm):	0.0234	Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO ₃):	-
		Ammonia NH ₃ :	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate		Gypsum		Calcium Sulfate		Strontium Sulfate		Barium Sulfate		Calculated CO ₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
81	50	0.34	0.00	0.04	-154.30	0.04	-159.78	-	-	0.08	-28.53	0.22
80	0	0.34	0.00	0.04	-0.01	0.04	-160.27	-	-	0.08	-28.07	0.09
100	0	0.34	0.00	0.04	-0.01	0.04	-145.34	-	-	0.05	-38.05	0.12
120	0	0.31	0.00	0.04	-0.01	0.04	-122.93	-	-	0.03	-49.75	0.13
140	0	0.29	0.00	0.04	-0.01	0.05	-97.96	-	-	0.02	-63.46	0.15
160	0	0.26	0.00	0.04	0.00	0.06	-74.11	-	-	0.01	-79.54	0.17
180	0	0.24	0.00	0.04	0.00	0.07	-53.54	-	-	0.01	-98.42	0.19
200	0	0.21	0.00	0.05	0.00	0.10	-37.05	-	-	0.00	-120.64	0.20
220	2.51	0.18	0.00	0.05	0.00	0.14	-25.43	-	-	0.00	-149.57	0.20
240	10.3	0.16	0.00	0.05	0.00	0.20	-16.07	-	-	0.00	-181.46	0.21
260	20.76	0.14	0.00	0.05	0.00	0.30	-9.42	-	-	0.00	-219.22	0.21
280	34.54	0.13	0.00	0.05	0.00	0.46	-4.80	-	-	0.00	-264.06	0.22
300	52.34	0.11	0.00	0.05	0.00	0.72	-1.61	-	-	0.00	-317.47	0.22

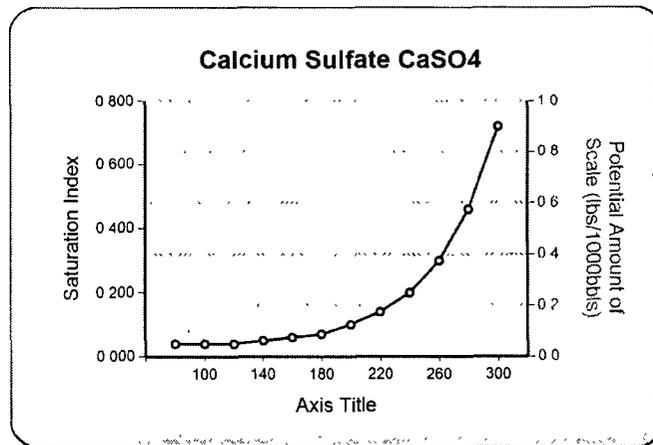
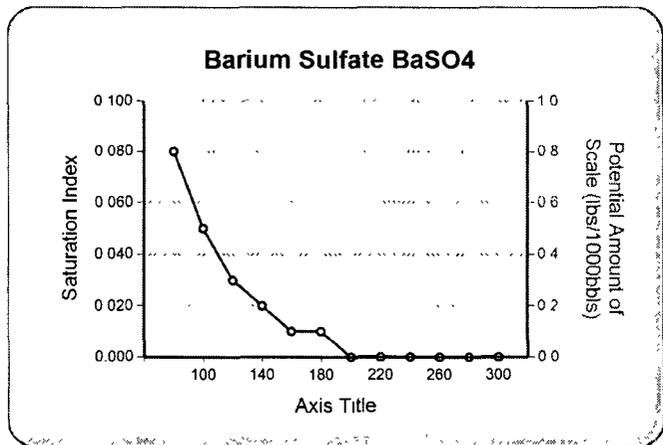
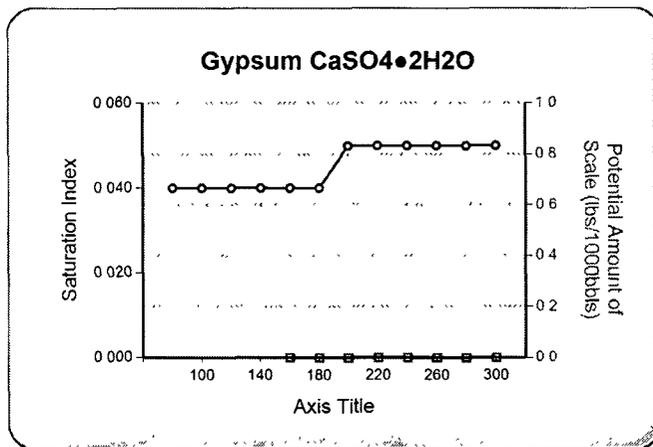
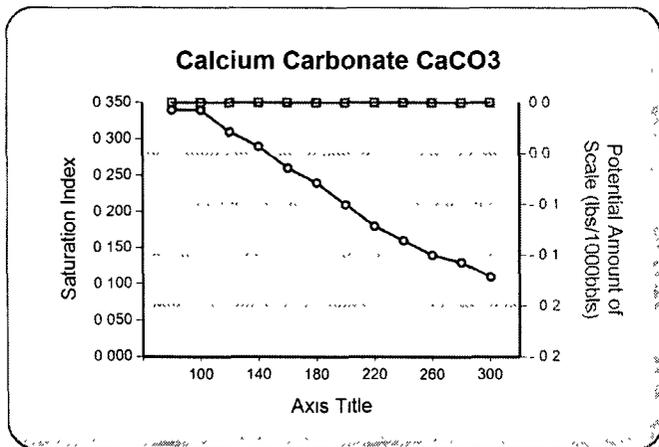
Conclusions:

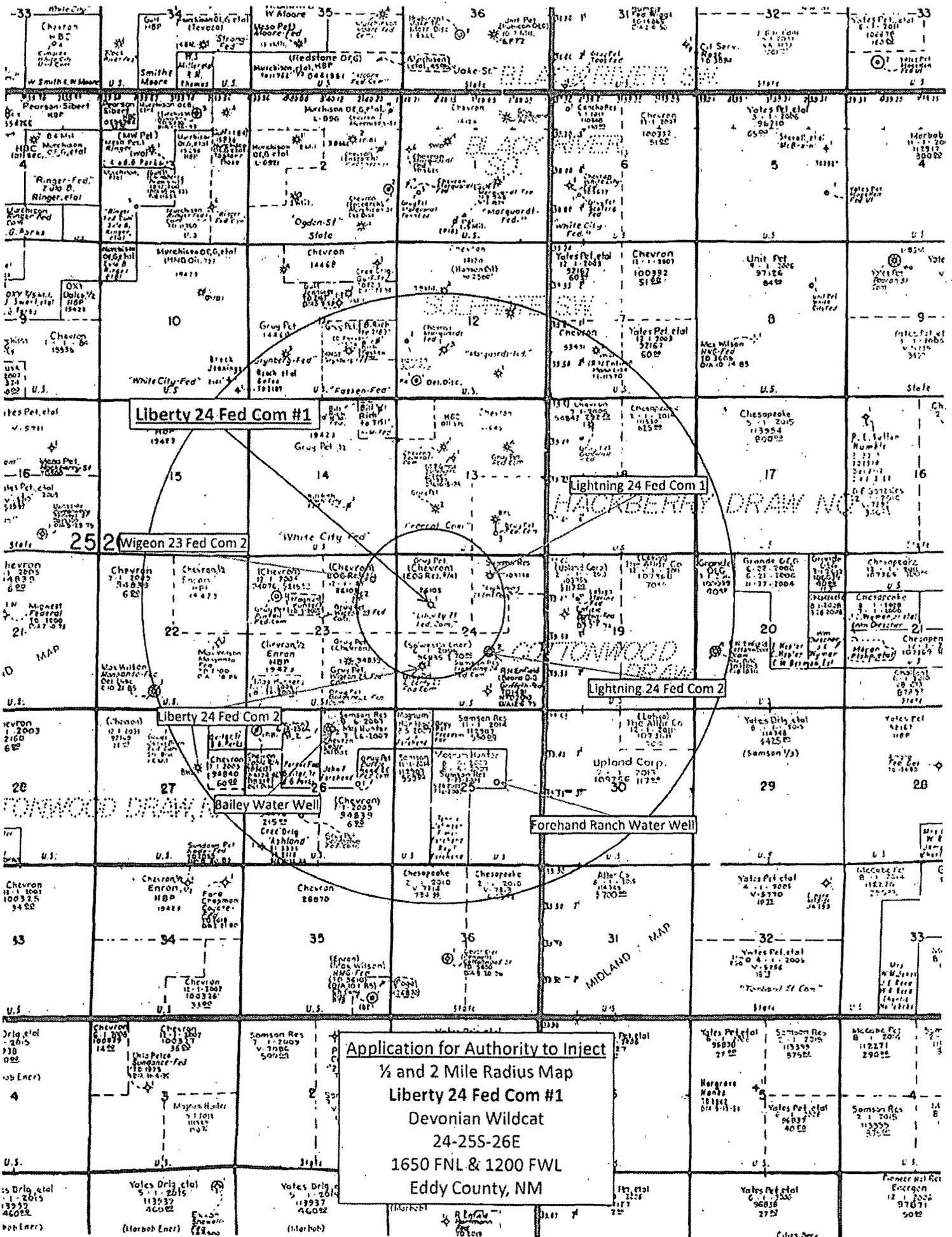
Calcium Carbonate Scaling Index is negative from 80°F to 300°F
 Gypsum Scaling Index is negative from 80°F to 300°F
 Calcium Sulfate Scaling Index is negative from 80°F to 300°F
 Strontium Sulfate scaling was not evaluated
 Barium Sulfate Scaling Index is negative from 80°F to 300°F

Notes:



Water Analysis Report





Application for Authority to Inject
 1/2 and 2 Mile Radius Map
 Liberty 24 Fed Com #1
 Devonian Wildcat
 24-25S-26E
 1650 FNL & 1200 FWL
 Eddy County, NM

Liberty 24 Fed Com #1

Lightning 24 Fed Com 1

Wigeon 23 Fed Com 2

Liberty 24 Fed Com 2

Forehand Ranch Water Well

MIDLAND MAP

COTTONWOOD

HACKBERRY DRAW NO. 1

Drig. et al
 1-2015
 13232
 40022
 Bob Enerr

Yates Drig. et al
 5-1-2015
 113332
 40022
 (Marbob Enerr)

Yates Drig. et al
 7-1-2009
 113332
 40022
 (Marbob)

Drig. et al
 1-2015
 113332
 40022
 (Marbob)

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, April 25, 2011 2:29 PM
To: Patty_Urias@xtoenergy.com
Cc: Warnell, Terry G, EMNRD
Subject: RE: C108 - Nash 53 SWD

Hello Patti:

What date did or will the newspaper notice post in Eddy County? Please send a copy of the posting. I see that XTO has shallower wells, but does XTO own the minerals (have them leased) in the (very deep) Devonian depths in the entire ½ mile Area of Review? Who were the Devonian minerals leased from? Was this well drilled to test the Devonian? What was the results or why was it not productive?

Thank You,

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

From: Warnell, Terry G, EMNRD
Sent: Monday, April 25, 2011 2:14 PM
To: Patty_Urias@xtoenergy.com
Cc: Jones, William V., EMNRD
Subject: RE: C108 - Nash 53 SWD

Hi Patty,

Your application was logged into the OCD system 4-14-2011 as Application No. pTGW1110239640
Will Jones will be reviewing the application and yes he will need the correct newspaper notice

Regards,
Terry

From: Patty_Urias@xtoenergy.com [mailto:Patty_Urias@xtoenergy.com]
Sent: Monday, April 25, 2011 12:02 PM
To: Warnell, Terry G, EMNRD
Subject: C108 - Nash 53 SWD
Importance: High

Hi, Terry,
I sent in a C108 on the above new well - it has not been drilled yet.

I sent the newspaper notice to the wrong newspaper - well is in Eddy County and Hobbs newspaper does not cover this county.
I have since filed a legal notice in the Carlsbad paper and have the affidavit and copy of notice.

Do I send these to you to correct my error?

Can you give me status on this C108?
Please advise and thanks for your help,



April 26, 2011

Will Jones
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: SWD Application #PTGW110239640
Nash #53 SWD well

RECEIVED OGD
2011 APR 27 P 1:47

Dear Mr. Jones,

Attached please find the corrected newspaper legal notice and affidavit from the Carlsbad Current-Argus. It is being sent in to replace the Hobbs Sun legal notice that was submitted in error.

Thank you for your prompt attention to our request and if you have any questions or require any additional information, please contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Patty Urias'.

Patty Urias
Regulatory Analyst
432-620-4318
patty_urias@xtoenergy.com

Attachment

Affidavit of Publication

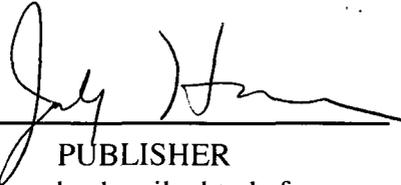
State of New Mexico,
County of Lea.

I, JUDY HANNA
PUBLISHER

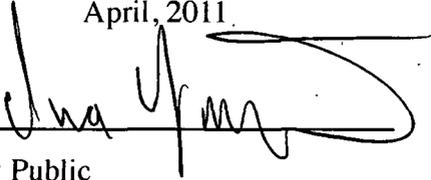
of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

of 1 issue(s).

Beginning with the issue dated
April 02, 2011
and ending with the issue dated
April 02, 2011

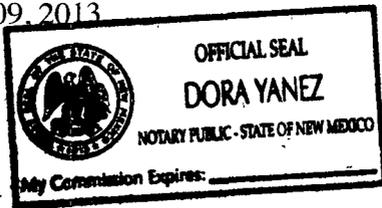

PUBLISHER

Sworn and subscribed to before me
this 4th day of
April, 2011



Notary Public

My commission expires
February 09, 2013
(Seal)



This newspaper is duly qualified to
publish legal notices or
advertisements within the meaning of
Section 3, Chapter 167, Laws of
1937 and payment of fees for said
publication has been made.

LEGAL NOTICE
APRIL 2, 2011
Notice of Application for Fluid Injection Well Permit
Nash Unit #53 SWD

XTO Energy, Inc., Opr. No. 945936, 200 N. Lorraine Street, Suite 800, Midland, Texas 79701 has applied for a permit to dispose fluid into a formation which is not productive of oil and gas.

The applicant proposes to dispose of these fluids at the location of Unit Ltr. A, Section 13, Township 23S, Range 29E, footage location of this well is 360' ENL & 500' FEL. Fluid will be disposed into the Devonian formation at a depth interval from 15074' to 16510' with a maximum injection rate of 15000 BWPD and a maximum injection pressure of 2000 psi.

All interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505, within 15 days.
#26576

01102696 00070290
XTO ENERGY INC.
200 LORAIN, SUITE 800
MIDLAND, TX 79701

REC'D/MIDLAND

APR 20 2011

Affidavit of Publication

State of New Mexico,
County of Eddy, ss:

Kathy McCarroll, being first duly sworn,
on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

April 20 2011

That the cost of publication is **\$46.75** and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

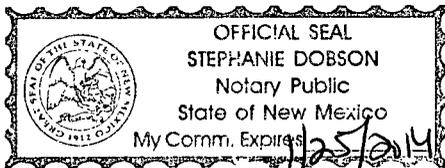
Subscribed and sworn to before me this

21 day of April, 2011

Stephanie Dobson

My commission Expires on 11/25/2014

Notary Public



April 20, 2011

Notice of Application for Fluid Injection Well Permit - Nash Unit #53 SWD

XTO Energy, Inc., Opr. No. 945936, 200 N. Lorraine Street, Suite 800, Midland, Texas 79701 has applied for a permit to dispose fluid into a formation which is not productive of oil and gas:

The applicant proposes to dispose of these fluids at the location of Unit Ltr. A, Section 13, Township 23S, Range 29E, footage location of this well is 360' FNL & 500' FEL. Fluid will be disposed into the Devonian formation at a depth interval from 15074' - 16510', with a maximum injection rate of 15000 BWPD and a maximum injection pressure of 2000 psi.

All interested parties

must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM, 87505, within 15 days..

Section XIII and XIV – Proof of Notice

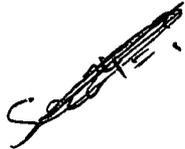
1. Surface owners – Application mailed by Certified Mail to the following:

Bureau of Land Management
620 E Greene St
Carlsbad, NM 88220

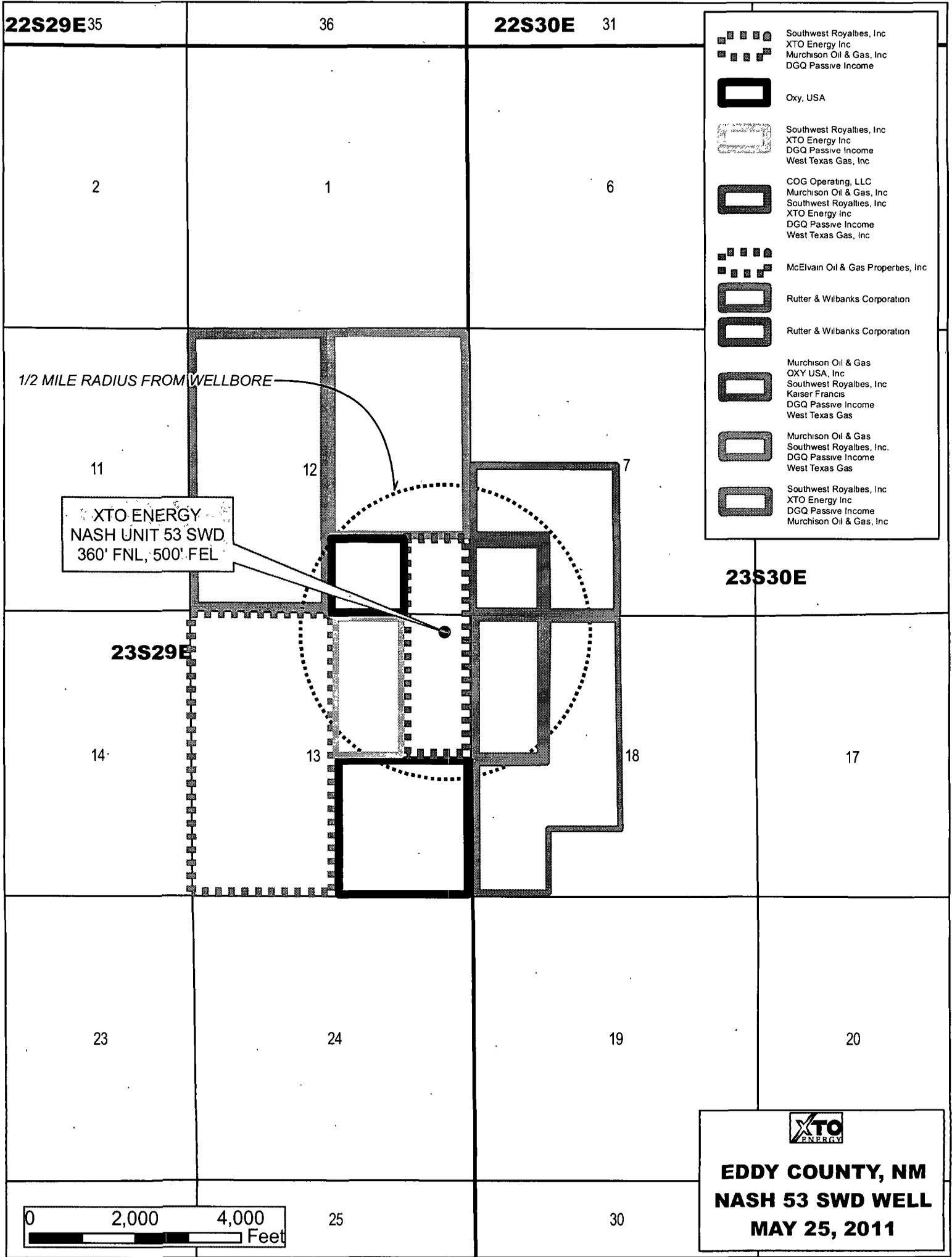
2. Leasehold Operators within $\frac{1}{2}$ mile of proposed injection well – application mailed by Certified Mail to the following:

Sections 13,14,26,W/2 ~~25~~²⁴-25S-26E
Cimarex Energy Co. of Colorado
600 N Marienfeld St Suite 600
Midland TX 79701

E/2 Section ~~25~~²⁴-25S-26E
Samson Resources Company
2 W 2nd St
Tulsa, OK 74103



3. Publication - Attached



22S29E35

36

22S30E 31

2

1

6

1/2 MILE RADIUS FROM WELLBORE

11

12

7

XTO ENERGY
NASH UNIT 53 SWD
360' FNL, 500' FEL

-  Southwest Royalties, Inc
XTO Energy Inc
Murchison Oil & Gas, Inc
DGQ Passive Income
-  Oxy, USA
-  Southwest Royalties, Inc
XTO Energy Inc
DGQ Passive Income
West Texas Gas, Inc
-  COG Operating, LLC
Murchison Oil & Gas, Inc
Southwest Royalties, Inc
XTO Energy Inc
DGQ Passive Income
West Texas Gas, Inc
-  McElvain Oil & Gas Properties, Inc
-  Rutter & Wilbanks Corporation
-  Rutter & Wilbanks Corporation
-  Murchison Oil & Gas
OXY USA, Inc
Southwest Royalties, Inc
Kaiser Francis
DGQ Passive Income
West Texas Gas
-  Murchison Oil & Gas
Southwest Royalties, Inc.
DGQ Passive Income
West Texas Gas
-  Southwest Royalties, Inc
XTO Energy Inc
DGQ Passive Income
Murchison Oil & Gas, Inc

23S30E

23S29E

14

13

18

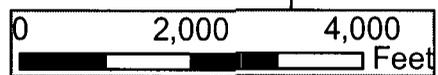
17

23

24

19

20



25

30


EDDY COUNTY, NM
NASH 53 SWD WELL
MAY 25, 2011



J Bar Cane, Inc.

Oil & Gas Properties / Petroleum and Mineral Land Services

P. O. Box 16 . 3660 State Hwy. 41 . Stanley, NM 87056 . Phone [505] 832-1478 . Fax 832-1479

Email address jmr@jbarcane.com

May 19, 2011

XTO Energy Inc.
Attn: Dan Foland
810 Houston Street
Fort Worth, TX

**Re: Nash Draw Prospect
Nash 53 SWD Well
Section 12: SESE, Section 13: E2NE – K-6600
Section 12: SWSE, Section 13: SE – NMNM 17589
Section 13: W2 - NMNM 0556859
Section 13: W2NE – NMNM 19246
Section 12: S2SE – NMNM 14140
Township 23 South, Range 29 East
Section 7: SWSW, Section 18: Lots 1 and 2 - L-3358
Section 7: SESW, NWSW – NMNM 19246
Section 18: E2NW, N2SW – NM 0556857
Township 23 South, Range 30 East
Eddy County, NM**

Dan,

As per your request, we have conducted a leasehold ownership search of the federal records regarding the above referenced lands as to all depths. Our findings are as follows:

**Section 13: W2
Mineral Ownership**

Owner	Fraction	Interest	Lease Status
USA	8/8	100.0	Status: HBP, NMNM 0556859 Dated: 06-01-1965, Royalty: 1/8 ORRI: 1% as to all depths ORRI: 2.5% Surface to Bone Springs Sandstone ORRI: Undetermined Surface to 150' below base of the Upper Bone Springs Sandstone Lessee of Record: Murchison Oil & Gas Inc. 78.32% Oxy, USA. 8.34% Petroleum Synergy 13.34%
TOTAL	8/8	1.0000000	

Operating Rights Surface to 150' below the base of the Upper Bone Springs

Owner	Interest	Comments
Southwest Royalties, Inc.	4.8950%	
XTO Energy Inc.	91.6575%	
DGQ Passive Income	2.4475%	
TOTAL	1.0000000	

Operating Rights 150' below the base of the Upper Bone Springs to top of the Mississippian

Owner	Interest	Comments
Southwest Royalties, Inc.	4.8950%	
XTO Energy Inc.	15.7875%	
Murchison Oil & Gas, Inc.	76.8700%	
DGQ Passive Income	2.4475%	
TOTAL	1.0000000	

Operating Rights below the top of the Mississippian

Owner	Interest	Comments
Southwest Royalties, Inc.	4.8950%	
XTO Energy Inc.	15.7875%	
Murchison Oil & Gas, Inc.	68.5300%	
DGQ Passive Income	2.4475%	
TOTAL	1.0000000	

**Section 12: SWSE, Section 13: SE
Mineral Ownership**

Owner	Fraction	Interest	Lease Status
USA	8/8	100.0	Status: HBP, NMNM 17589 Dated: 03-01-1973, Royalty: 1/8 ORRI: \$750.00 per acre out of 5% ORRI: Undetermined Surface to 150' below base of the Upper Bone Springs Sandstone Lessee of Record: Oxy, USA. 100.00%
TOTAL	8/8	1.0000000	

Operating Rights Surface to 150' below the base of the Upper Bone Springs

Owner	Interest	Comments
XTO Energy Inc.	100.00%	
TOTAL	1.0000000	

Operating Rights 150' below the base of the Upper Bone Springs to top of the Mississippian

Owner	Interest	Comments
Murchison Oil & Gas, Inc.	100.00%	
TOTAL	1.0000000	

Operating Rights below the top of the Mississippian

Owner	Interest	Comments
Oxy, USA	100.00%	
TOTAL	1.0000000	

**Section 13: W2NE, Section 7: NWSW, SESW
Mineral Ownership**

Owner	Fraction	Interest	Lease Status
USA	8/8	100.0	Status: HBP, NMNM 19246 Dated: 05-01-1965, Royalty: 1/8 ORRI: 9.375% subject to a BIAPO. ORRI: 3.5% Lessee of Record: COG Operating, LLC. 100%
TOTAL	8/8	1.0000000	

Section 13: W2NE

Operating Rights Surface to 150' below the base of the Upper Bone Springs

Owner	Interest	Comments
Murchison Oil & Gas, Inc.	12.50%	
Southwest Royalties, Inc.	6.25%	
XTO Energy Inc.	75.00%	
DGQ Passive Income	3.1250%	
West Texas Gas, Inc.	3.1250%	
TOTAL	1.0000000	

Operating Rights all other formations

Owner	Interest	Comments
Southwest Royalties, Inc.	6.250%	
XTO Energy Inc.	87.500%	
DGQ Passive Income	3.1250%	
West Texas Gas, Inc.	3.1250%	
TOTAL	1.0000000	

Section 7: NWSW, SESW

Owner	Interest	Comments
COG Operating, LLC	50.00%	
Murchison Oil & Gas, Inc.	6.2500%	
Southwest Royalties, Inc.	3.1250%	
XTO Energy Inc.	37.500%	
DGQ Passive Income	1.5625%	
West Texas Gas, Inc.	1.5625%	
TOTAL	1.0000000	

Operating Rights all other formations

Owner	Interest	Comments
COG Operating, LLC	50.00%	
Murchison Oil & Gas, Inc.	37.500%	
Southwest Royalties, Inc.	3.1250%	
XTO Energy Inc.	6.2500%	
DGQ Passive Income	1.5625%	
West Texas Gas, Inc.	1.5625%	
TOTAL	1.0000000	

Section 12: SESE, Section 13: E2NE**Mineral Ownership**

Owner	Fraction	Interest	Lease Status
State of New Mexico	8/8	100.0	Status: HBP, K-6600 Dated: 12-20-1966, Royalty: 1/8 ORRI: None filed Lessee of Record: McElvain Oil & Gas Properties, Inc. 100.00%
TOTAL	8/8	1.0000000	

Operating Rights Surface to 150' below the base of the Upper Bone Springs

Owner	Interest	Comments
XTO Energy Inc.	100.00%	
TOTAL	1.0000000	

Operating Rights all other formations

Owner	Interest	Comments
McElvain Oil & Gas Properties, Inc.	100.00%	
TOTAL	1.0000000	

Section 18: Lots 1 and 2**Mineral Ownership**

Owner	Fraction	Interest	Lease Status
State of New Mexico	8/8	100.0	Status: HBP, L-3358-3 Dated: 08-19-1969, Royalty: 1/8 ORRI: None filed Lessee of Record: Rutter and Wilbanks Corporation 100.00%
TOTAL	8/8	1.0000000	

Operating Rights Surface to 150' below the base of the Upper Bone Springs

Owner	Interest	Comments
Pioneer Natural Resources Company	100.00%	
TOTAL	1.0000000	

Operating Rights all other formations

Owner	Interest	Comments
Rutter & Wilbanks Corporation	100.00%	
TOTAL	1.0000000	

Section 7: SWSW**Mineral Ownership**

Owner	Fraction	Interest	Lease Status
State of New Mexico	8/8	100.0	Status: HBP, L-3358-3 Dated: 08-19-1969, Royalty: 1/8 ORRI: None filed Lessee of Record: Rutter and Wilbanks Corporation 100.00%
TOTAL	8/8	1.0000000	

Operating Rights Surface to 150' below the base of the Upper Bone Springs

Owner	Interest	Comments
COG Operating, LLC	6.163%	
Rutter & Wilbanks Corporation	93.837%	
TOTAL	1.0000000	

Operating Rights all other formations

Owner	Interest	Comments
Rutter & Wilbanks Corporation	100.00%	
TOTAL	1.0000000	

**Section 18: Lots 3, 4, E2NW, NESW
Mineral Ownership**

Owner	Fraction	Interest	Lease Status
USA	8/8	100.0	Status: HBP, NMNM 0556857 Dated: 05-01-1965, Royalty: 1/8 ORRI: Undetermined Surface to 150' below base of the Upper Bone Springs Sandstone ORRI: 2.00% Lessee of Record: XTO Energy Inc. et al. 100%
TOTAL	8/8	1.0000000	

Section 18: Lots 3, 4, E2NW, NESW**Operating Rights as to Surface to 150' below the base of the Upper Bone Springs**

Owner	Interest	Comments
Southwest Royalties, Inc.	2.44750%	
XTO Energy Inc.	96.32875%	
DGQ Passive Income	1.22375%	
West Texas Gas	1.22375%	
TOTAL	1.0000000	

Section 18: Lots 3, 4, E2NW, NESW**Operating Rights as to all depths below 150' below the base of the Upper Bone Springs**

Owner	Interest	Comments
Murchison Oil & Gas	84.265%	
OXY USA, Inc.	4.17%	
Southwest Royalties, Inc.	2.44750%	
Kaiser Francis	6.67%	
DGQ Passive Income	1.22375%	
West Texas Gas	1.22375%	
TOTAL	1.0000000	

Section 12: NE, N2SE**Mineral Ownership**

Owner	Fraction	Interest	Lease Status
USA	8/8	100.0	Status: HBP, NMNM 14140 Dated: 10-01-1971, Royalty: 1/8 ORRI: Undetermined Surface to 150' below base of the Upper Bone Springs Sandstone. Other 2.0% Lessee of Record: Murchison Oil & Gas, 100%
TOTAL	8/8	1.0000000	

Section 12: NE, N2SE

Operating Rights as to Surface to 150' below the base of the Upper Bone Springs

Owner	Interest	Comments
XTO Energy Inc.	87.5%	
Southwest Royalties, Inc.	6.250%	
DGQ Passive Income	3.125%	
West Texas Gas	3.125%	
TOTAL	1.0000000	

Section 12: NE, N2SE

Operating Rights as to all depths below 150' below the base of the Upper Bone Springs

Owner	Interest	Comments
Murchison Oil & Gas	87.5%	
Southwest Royalties, Inc.	6.250%	
DGQ Passive Income	3.125%	
West Texas Gas	3.125%	
TOTAL	1.0000000	

Comments:

1. The findings herein are based on a records search of the public records of the records of the Bureau of Land Management, Santa Fe, New Mexico, and the records of the State Land Office, Santa Fe, New Mexico only, the records in Eddy County, New Mexico have not been searched..

2. This report includes only lands covered by the captioned lands. Where an existing lease covers lands outside the prospect area, this report does not show these additional lands.

Should you have any questions or comments regarding this matter, please advise.

Sincerely,
J Bar Cane, Inc.

John Michael Richardson, CPL

Party	Address
Murchison Oil & Gas Inc.	1100 Mira Vista Blvd. Plano, TX 75093
Occidental Permian, Ltd.	5 Greenway Plaza, Suite 110 Houston, TX 77046
Southwest Royalties, Inc.	6 Desta Drive, Suite 2100 Midland, TX 79705
DGQ Passive Income Partners	5075 Shoreham Pl Ste 240 San Diego, CA 92122
West Texas Gas, Inc.	P. O. Box 1621 Fort Stockton, TX 79735-1621
Kaiser Francis Oil Company	P. O. Box 21468 Tulsa, OK 74121
Rutter & Wilbanks Corporation	P. O. Box 3186 Midland, TX 79702
Pioneer Natural Resources Co.	5205 N. O'Connor Blvd., Suite 200 Irving, TX 75039
McElvain Oil & Gas Properties, Inc.	1050 17 th Street, Suite 1800 Denver, CO 80265
COG Operating, LLC	550 West Texas Ave., Suite 1300 Midland, TX 79701



April 7, 2011

Hart M. Greenwood, Jr.
P.O. Box 104
Carlsbad, NM 88220

US Postal ServiceTM
CERTIFIED MAIL[®] RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information, visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Help ↑

NashS3

Sent To: Hart M Greenwood, Jr

Street, Apt. No.,
or PO Box No. _____

City, State, ZIP+4 _____

PS Form 3800, August 2006 See Reverse for Instructions

5472 0924 2000 0952 2002

Re: Surface Owner Notice
Application for Salt Water Disposal Well
Nash Unit #53SWD

Dear Mr. Greenwood,

This letter is to notify you XTO Energy Inc. has submitted to the Oil Conservation Division an application to drill a salt water disposal well. Our records indicate that you are a surface owner. Attached please find a copy of the application sent to the Oil Conservation Division for your review.

All interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505, within 15 days.

If you have any questions, please call me at 432-620-4318.

Sincerely,

Patty Urias
Regulatory Analyst



April 7, 2011

Mosaic Potash Carlsbad, Inc.
1361 Potash Mines Rd.
Carlsbad, NM 88220

Re: Operator Notification
Application for Salt Water Disposal Well
Nash Unit #53SWD

To Whom It May Concern:

This letter is to notify you XTO Energy Inc. has submitted to the Oil Conservation Division an application to drill a salt water disposal well. Our records indicate that your mine is in the vicinity of the proposed drilling site for this well. Attached please find a copy of the application send to the Oil Conservation Division for your review.

All interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505, within 15 days.

If you have any questions, please call me at 432-620-4318.

Sincerely,

Patty Urias
Regulatory Analyst

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only - No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Nash S3

Sent To Mosaic Potash Carlsbad, Inc.
Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

2512 0924 2000 0952 2002

XTO Energy Inc.
 Nash Unit #53 SWD
 API# unknown
 Section 13, Township 23S, Range 29E
 Eddy County, New Mexico
 C-108 (Application for Authorization to Inject)

Offset Operators within 1/2-mile radius (active wells)

XTO Energy Inc.
 200 N. Loraine, Suite 800
 Midland, TX 79701

Mineral Rights Owners within 1/2 mile radius (active wells) & State Land Office

Party	Address	Date Notified	Certified Mail Receipt Number
Murchison Oil & Gas Inc.	1100 Mira Vista Blvd. Plano, TX 75093	6/1/2011	7007 2560 0002 4760 7454
Occidental Permian, Ltd.	5 Greenway Plaza, Suite 110 Houston, TX 77046	6/1/2011	7007 2560 0002 4760 7430
Southwest Royalties, Inc.	6 Desta Drive, Suite 2100 Midland, TX 79705	6/1/2011	7007 2560 0002 4760 3289
DGQ Passive Income Partners	5075 Shoreham Pl Ste 240 San Diego, CA 92122	6/1/2011	7007 2560 0002 4760 3661
West Texas Gas, Inc.	P. O. Box 1621 Fort Stockton, TX 79735-1621	6/1/2011	7007 2560 0002 4760 3593
Kaiser Francis Oil Company	P. O. Box 21468 Tulsa, OK 74121	6/1/2011	7007 2560 0002 4760 3609
Rutter & Wilbanks Corporation	P. O. Box 3186 Midland, TX 79702	6/1/2011	7007 2560 0002 4761 0010
Pioneer Natural Resources Co.	5205 N. O'Connor Blvd., Suite 200 Irving, TX 75039	6/1/2011	7007 0820 0001 1970 6172
McElvain Oil & Gas Properties, Inc.	1050 17th Street, Suite 1800 Denver, CO 80265	6/1/2011	7007 2560 0002 4760 4774
COG Operating, LLC	550 West Texas Ave., Suite 1300 Midland, TX 79701	6/1/2011	7007 2560 0002 4760 7423
State Land Office	310 Old Santa Fe Trail, Santa Fe, NM 87505	6/2/2011	7007 2560 0002 4760 2664

I, Patty Urias, do hereby certify that on June 1, 2011 & June 2, 2011, the above and attached listed interest parties were mailed copies of the application to dispose of water in the Nash Unit #53 SWD well.

Patty Urias

Patty Urias
 Regulatory Analyst

*Relaine
 6/1/2011*

XTO Energy Inc.
Nash Unit #53 SWD
API# unknown
Section 13, Township 23S, Range 29E
Eddy County, New Mexico
C-108 (Application for Authorization to Inject)

Proof of Notice

Proof of notice on attached page.

NOTICE=?

Surface Owner

The land is all State. The grazing owner information:

Hart Greenwood
P.O. Box 104
Carlsbad, NM 88220
575-885-4254

Offset Operators within 1/2-mile radius (active wells)

XTO Energy Inc.
200 N. Loraine, Suite 800
Midland, TX 79701

Mineral Rights Owners within 1/2 mile radius (active wells)

NOTICED 6/1/11

Party	Address
Murchison Oil & Gas Inc.	1100 Mira Vista Blvd. Plano, TX 75093
Occidental Permian, Ltd.	5 Greenway Plaza, Suite 110 Houston, TX 77046
Southwest Royalties, Inc.	6 Desta Drive, Suite 2100 Midland, TX 79705
DGQ Passive Income Partners	5075 Shoreham Pl Ste 240 San Diego, CA 92122
West Texas Gas, Inc.	P. O. Box 1621 Fort Stockton, TX 79735-1621
Kaiser Francis Oil Company	P. O. Box 21468 Tulsa, OK 74121
Rutter & Wilbanks Corporation	P. O. Box 3186 Midland, TX 79702
Pioneer Natural Resources Co.	5205 N. O'Connor Blvd., Suite 200 Irving, TX 75039
McElvain Oil & Gas Properties, Inc.	1050 17 th Street, Suite 1800 Denver, CO 80265
COG Operating, LLC	550 West Texas Ave., Suite 1300 Midland, TX 79701

I, Patty Urias, do hereby certify that on June 1, 2011, the above and attached listed interest parties were mailed copies of the application to dispose of water in the Nash Unit #53 SWD well.

Patty Urias
Regulatory Analyst

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, June 01, 2011 3:05 PM
To: 'Patty_Urias@xtoenergy.com'
Subject: RE: Nash 53 SWD

Patty:

Please also send proof of notice to the State Land Office, I can't seem to find it.

As far as proof of notice to the others, you can either send a copy of the certified receipts you mailed out or just list the names and the certified receipt numbers and the date mailed.

Thank You,

Will Jones
New Mexico
Oil Conservation Division
[Images](#) [Contacts](#)

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, May 31, 2011 11:26 AM
To: 'Patty_Urias@xtoenergy.com'
Cc: Ezeanyim, Richard, EMNRD; Brooks, David K., EMNRD; Dade, Randy, EMNRD
Subject: RE: Nash 53 SWD

Patty:

If this is "State" surface where the well is located, please send the State Land Office a certified copy of this application.

You have already noticed a private surface owner and the Potash lessee.

You sent a nice "takeoff" from a Landman showing who owned the separate tracts surrounding your well in the (depths BELOW MISSISSIPPIAN or) Devonian depths (15074 to 16510 feet deep).

The report lists the addresses of these owners on the bottom.

I just looked over that takeoff and it is all summarized on the Landman's Tract Plat. Pull up that Plat and see all the owners listed in the box – upper, right side of the page.

This begins with Southwest Royalties on top and ends with Murchison Oil & Gas, Inc. on the bottom.

Provide all parties listed with one copy of your application by certified mail –

Send a copy of the notice receipts showing the date they were noticed – we have to wait 15 more days from the date of last notice.

(I know it is a pain....)

I think that is all we need to release this permit.

Have a fun summertime,

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

Jones, William V., EMNRD

From: Patty_Urias@xtoenergy.com
Sent: Tuesday, May 31, 2011 7:37 AM
To: Jones, William V., EMNRD
Subject: Fw: Nash 53 SWD

Importance: High

Will, please see below - does that suffice for that part of your request?
Please advise and thanks,

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

"Every saint has a past, every sinner a future."
----- Forwarded by Patty Urias/MID/CTOC on 05/31/2011 08:35 AM -----

Ralph Nelson/FTW/CTOC

To Richard Lauderdale/MID/CTOC@CTOC, Patty Urias/MID/CTOC@CTOC
cc

05/31/2011 08:17 AM

Subject Re: Fw. Nash 53 SWD [Link](#)

Richard / Patty,

We plan to mudlog the Devonian and, if shows are encountered, then we will run a Triple combo log (DLL/Den/Neut/GR). The well is projected to be structurally low and any reported shows should be residual. The openhole logs should confirm such.

Thanks,
Ralph Nelson
Manager Permian Geology
XTO Energy Inc. 810 Houston Street, Fort Worth, TX
Office: 817-885-3440 Cell: 432-528-7777

Richard Lauderdale/MID/CTOC

05/31/2011 08:03 AM

To Ralph Nelson/FTW/CTOC@CTOC
cc
Subject Fw: Nash 53 SWD

Ralph

Can you respond to the 2nd part of the request? I think we are going to mudlog but I think the answer should involve your input.. Thanks

Richard Lauderdale

Jones, William V., EMNRD

From: Patty_Urias@xtoenergy.com
Sent: Thursday, May 26, 2011 12:42 PM
To: Jones, William V., EMNRD
Cc: Richard_Lauderdale@xtoenergy.com; Dan_Foland@xtoenergy.com;
Chip_Amrock@xtoenergy.com
Subject: Fw: Nash 53 SWD
Attachments: EddyNM_NASH_53_SWD.pdf

Importance: High

Hi, Will -

Attached please find the plat for Nash #53 SWD - Application No. pTGW1110239640
It is my understanding this completes the requested information.

Please advise if you require anything else.
Thanks and have a good day,

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

"Every saint has a past, every sinner a future."

Sr. Operations Engineer
XTO Energy
Cell # (432) 638-2732
Office # (432) 620-6736
Fax # (432) 687-0862

----- Forwarded by Richard Lauderdale/MID/CTOC on 05/31/2011 08:01 AM -----

Patty Urias/MID/CTOC

To Richard Lauderdale/MID/CTOC@CTOC, Chip Amrock/MID/CTOC@CTOC
cc

05/31/2011 08:00 AM

Subject Fw: Nash 53 SWD

Please see below - I will notice any owners in 1/2 mile radius if you will please respond to the second part.
Please advise and thanks,

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

"Every saint has a past, every sinner a future."

----- Forwarded by Patty Urias/MID/CTOC on 05/31/2011 08:00 AM -----

"Jones, William V., EMNRD"
<William.V.Jones@state.nm.us>

To "[Patty Urias@xtoenergy.com](mailto:Patty.Urias@xtoenergy.com)" <Patty.Urias@xtoenergy.com>
cc

Subject RE: Nash 53 SWD

05/27/2011 01:28 PM

Awesome – thanks for this!

After your landman gave you this, did you check to see if all the owners of oil and gas within ½ mile were noticed?

Did your folks come up with something on how the well would be tested for hydrocarbons (mudlogging, logging, swabbing, etc)?
XTO is an oil company and it's better if XTO decides how to do this instead of myself – the OCD rules require no waste of in-place oil and gas. I.E. caused by disposal operations.

Let me know if you have heard anything else – otherwise I can put in some requirements in the permit.

From: [Patty Urias@xtoenergy.com](mailto:Patty.Urias@xtoenergy.com) [[mailto:Patty Urias@xtoenergy.com](mailto:Patty.Urias@xtoenergy.com)]
Sent: Thursday, May 26, 2011 12:42 PM
To: Jones, William V., EMNRD
Cc: [Richard Lauderdale@xtoenergy.com](mailto:Richard.Lauderdale@xtoenergy.com); [Dan Foland@xtoenergy.com](mailto:Dan.Foland@xtoenergy.com); [Chip Amrock@xtoenergy.com](mailto:Chip.Amrock@xtoenergy.com)
Subject: Fw: Nash 53 SWD
Importance: High

Hi, Will -
Attached please find the plat for Nash #53 SWD - Application No. pTGW1110239640
It is my understanding this completes the requested information.

Please advise if you require anything else.

Jones, William V., EMNRD

From: Patty_Urias@xtoenergy.com
Sent: Friday, May 20, 2011 1:02 PM
To: Jones, William V., EMNRD
Subject: Fw: Nash Draw SWD #35 Well revised with addresses
Attachments: Nash Draw 53 SWD well.doc

Hi, Will -
see attached for the ownership information on the Nash #53 SWD - Application No. pTGW1110239640
Upon receipt of the plat, I will forward that as well.
Thanks and have a good weekend!

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

"Every saint has a past, every sinner a future."
----- Forwarded by Patty Urias/MID/CTOC on 05/20/2011 01:59 PM -----
Steven Cobb/FTW/CTOC

To Patty Urias/MID/CTOC@CTOC
cc Dan Foland/FTW/CTOC@CTOC
Subject Fw: Nash Draw SWD #35 Well revised with addresses

05/20/2011 10:22 AM

Patty, Ownersip for you information - I am working on the plat and hope to have it to you next week. Thanks, Steve
----- Forwarded by Steven Cobb/FTW/CTOC on 05/20/2011 10:21 AM -----

"John Michael Richardson" <jmr@jbarcane.com>

To <Dan_Foland@xtoenergy.com>, <Steven_Cobb@xtoenergy.com>
cc

05/20/2011 10:15 AM

Subject Nash Draw SWD #35 Well revised with addresses



J Bar Cane, Inc.
John Michael Richardson
P. O. Box 16
3660 State Highway #41
Stanley, NM 87056
Telephone 505-832-1478
Fax 505-832-1479
Cell 505-681-9902

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Thursday, May 12, 2011 1:56 PM
To: 'Patty_Urias@xtoenergy.com'
Cc: Dan_Foland@xtoenergy.com; Gray, Darold, EMNRD; Ezeanyim, Richard, EMNRD
Subject: RE: Disposal application from XTO Energy, Inc.: Proposed Nash Unit SWD #53 30-015-N/A Devonian Open Hole from approx 15074 to 16510
Attachments: Print pTGW1105334223_2_AO[1].pdf

Hello Patty:

I am attaching another example of ownership specifics – forward to your landman?

The API issue is not huge for me – but the permit to dispose is site specific, so if you move the stake very far after you have a disposal permit or if your well drifts too far while drilling, you need a new SWD permit. Let me know if this location is in jeopardy. Also, I will ask you to email me the API when you get it so it does not get forgotten.

I was expecting XTO to have a plan to log the well – at least a mudlog. A 16,500 foot deep well should have some sort of log. The intended disposal interval will need some sort of determination that it is not productive of oil or gas to meet the OCD statutory requirements of preventing waste. I can put the testing requirement in the permit to drill, but if XTO has a plan let me know.

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

From: Patty_Urias@xtoenergy.com [mailto:Patty_Urias@xtoenergy.com]
Sent: Thursday, May 12, 2011 6:21 AM
To: Jones, William V., EMNRD
Cc: Dan_Foland@xtoenergy.com; Gray, Darold, EMNRD; Ezeanyim, Richard, EMNRD
Subject: Re: Disposal application from XTO Energy, Inc.: Proposed Nash Unit SWD #53 30-015-N/A Devonian Open Hole from approx 15074 to 16510

Will,
I have a few answers for you:

- a. Landman Steve Cobb is working on this and should have a response soon.
- b. Base Castille - 3207', Bell Canyon - 3243', Cherry Canyon - 4086', Brushy Canyon - 5666', Bone Spring - 6941', Wolfcamp - 10222'
Penn - 11654', Strawn - 12050', Atoka - 12129', Morrow - 12851', Miss - 14485', Woodford - 14845'. Devonian - 15029', Fusselman - 16489'
- c. We may encounter the Fusselman at the bottom of the hole. There are no nearby wells that penetrate the Fusselman.
- d. We do not have any cased hole logs on the procedure to be run on this well, nor plan to run any logs on the OH.
- e. The only formation is the Delaware and here is a representative sample from March & April

- f. It is my understanding the API is issued when the APD is processed. Per Randy Dade, we are not submitting the API until the C108 is approved because they will not process APD without C108 approval. I can provide API once APD is approved.

I will forward response to "a" upon receipt from Steven Cobb.

Jones, William V., EMNRD

From: Patty_Urias@xtoenergy.com
Sent: Thursday, May 12, 2011 6:21 AM
To: Jones, William V., EMNRD
Cc: Dan_Foland@xtoenergy.com; Gray, Darold, EMNRD; Ezeanyim, Richard, EMNRD
Subject: Re: Disposal application from XTO Energy, Inc.: Proposed Nash Unit SWD #53 30-015-N/A Devonian Open Hole from approx 15074 to 16510
Attachments: Print pTGW1005346462_2_AO[1].pdf; PITwater[1].pdf; PITwater[2].pdf

Will,
I have a few answers for you:

- a. Landman Steve Cobb is working on this and should have a response soon.
- b. Base Castille - 3207', Bell Canyon - 3243', Cherry Canyon - 4086', Brushy Canyon - 5666', Bone Spring - 6941', Wolfcamp - 10222'
Penn - 11654', Strawn - 12050', Atoka - 12129', Morrow - 12851', Miss - 14485', Woodford - 14845'. Devonian - 15029', Fusselman - 16489'
- c. We may encounter the Fusselman at the bottom of the hole. There are no nearby wells that penetrate the Fusselman.
- d. We do not have any cased hole logs on the procedure to be run on this well, nor plan to run any logs on the OH.
- e. The only formation is the Delaware and here is a representative sample from March & April

- f. It is my understanding the API is issued when the APD is processed. Per Randy Dade, we are not submitting the API until the C108 is approved because they will not process APD without C108 approval. I can provide API once APD is approved.

I will forward response to "a" upon receipt from Steven Cobb.

Thanks!

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

"Every saint has a past, every sinner a future."

"Jones, William V., EMNRD"
<William.V.Jones@state.nm.us>

05/10/2011 10:42 AM

To "Patty_Urias@xtoenergy.com" <Patty_Urias@xtoenergy.com>,
"Dan_Foland@xtoenergy.com" <Dan_Foland@xtoenergy.com>
cc "Ezeanyim, Richard, EMNRD" <richard.ezeanyim@state.nm.us>, "Gray, Darold, EMNRD" <Darold.Gray@state.nm.us>

Subject Disposal application from XTO Energy, Inc.: Proposed Nash Unit SWD #53 30-015-N/A Devonian Open Hole from approx 15074 to 16510

Hello Patty and Dan:
I have reviewed your application and the application looks very good, thank you.

As usual, I have a few comments and requests:

- a. Please ask your Landman to look over the ½ mile circular Area of Review surrounding this well and identify all identically owned tracts of Devonian minerals. Send a colored map identifying each tract's location and owner. I am attaching an example – but you could do this several ways. If XTO owns all lands at Devonian depths within ½ mile of this proposed well, have a landman sign off to that effect.
- b. Ask your geologist to estimate and write down for me the formation tops from the top of the Delaware down to the base of the Devonian – but covering all your proposed disposal depths.
- c. Your application mentions the Fusselman formation – will the well penetrate this formation?
- d. What kind of logs or diagnostics will XTO run through the proposed injection interval?
- e. Send a water analysis from each (major contributors) of the types (formations) of waters XTO will be putting into this well: Delaware, Avalon, Bone Spring, Etc.
- f. Your application says this is State surface – when will the API number be assigned? Please let me know as soon as possible. Our database is keyed on API numbers and I don't like to release the SWD permit for a State well without the API number on the permit.

Regards,

Will Jones
New Mexico
Oil Conservation Division
[Images](#) [Contacts](#)

From: Jones, William V., EMNRD
Sent: Tuesday, April 26, 2011 12:16 PM
To: 'Patty_Urias@xtoenergy.com'
Cc: Dan_Foland@xtoenergy.com
Subject: RE: C108 - Nash 53 SWD

Those are shallower wells.

Since you will be injecting in the Devonian, the owners of the Devonian “tracts” are the only ones you should send notice to.

Most likely this is XTO. If XTO owns the rights to the Devonian minerals in all lands within ½ mile of the proposed disposal well, have a landman sign off on a statement to that effect and send the signed statement.

If the Devonian depths are not leased or covered by leases owned by other parties, let me know who those mineral owners or lessees are.

From: Patty_Urias@xtoenergy.com [mailto:Patty_Urias@xtoenergy.com]
Sent: Tuesday, April 26, 2011 12:07 PM
To: Jones, William V., EMNRD
Cc: Dan_Foland@xtoenergy.com
Subject: RE: C108 - Nash 53 SWD

Is that not the same information as the 1/2 mile table that was attached to C108 - see below:

Patty Urias
Regulatory Analyst

Will,
on your questions below - can you give us the legal description of the 1/2 mile in review?
Is it Sec 13 T-23S R-29E, Sec 18 R-30E T-23S, Sec 12 R-29E T-23S?
Please advise and thanks,

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

"Every saint has a past, every sinner a future."
"Jones, William V., EMNRD" <William.V.Jones@state.nm.us>

04/25/2011 03:28 PM

To "Patty_Urias@xtoenergy.com" <Patty_Urias@xtoenergy.com>
cc "Warnell, Terry G, EMNRD" <TerryG.Warnell@state.nm.us>
Subject RE: C108 - Nash 53 SWD

Hello Patti:

What date did or will the newspaper notice post in Eddy County? Please send a copy of the posting.
I see that XTO has shallower wells, but does XTO own the minerals (have them leased) in the (very deep) Devonian depths in the entire ½ mile Area of Review? Who were the Devonian minerals leased from?
Was this well drilled to test the Devonian? What was the results or why was it not productive?

Thank You,

Will Jones
New Mexico
Oil Conservation Division
[Images](#) [Contacts](#)

From: Warnell, Terry G, EMNRD
Sent: Monday, April 25, 2011 2:14 PM
To: Patty_Urias@xtoenergy.com
Cc: Jones, William V., EMNRD
Subject: RE: C108 - Nash 53 SWD

Hi Patty,

Your application was logged into the OCD system 4-14-2011 as Application No. pTGW1110239640
Will Jones will be reviewing the application and yes he will need the correct newspaper notice

Regards,
Terry

From: Patty_Urias@xtoenergy.com [mailto:Patty_Urias@xtoenergy.com]
Sent: Monday, April 25, 2011 12:02 PM

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, May 10, 2011 9:42 AM
To: 'Patty_Urias@xtoenergy.com'; 'Dan_Foland@xtoenergy.com'
Cc: Ezeanyim, Richard, EMNRD; Gray, Darold, EMNRD
Subject: Disposal application from XTO Energy, Inc.: Proposed Nash Unit SWD #53 30-015-N/A Devonian Open Hole from approx 15074 to 16510
Attachments: Print pTGW1005346462_2_AO[1].pdf

Hello Patty and Dan:

I have reviewed your application and the application looks very good, thank you.

As usual, I have a few comments and requests:

- a. Please ask your Landman to look over the ½ mile circular Area of Review surrounding this well and identify all identically owned tracts of Devonian minerals. Send a colored map identifying each tract's location and owner. I am attaching an example – but you could do this several ways. If XTO owns all lands at Devonian depths within ½ mile of this proposed well, have a landman sign off to that effect.
- b. Ask your geologist to estimate and write down for me the formation tops from the top of the Delaware down to the base of the Devonian – but covering all your proposed disposal depths.
- c. Your application mentions the Fusselman formation – will the well penetrate this formation?
- d. What kind of logs or diagnostics will XTO run through the proposed injection interval?
- e. Send a water analysis from each (major contributors) of the types (formations) of waters XTO will be putting into this well: Delaware, Avalon, Bone Spring, Etc.
- f. Your application says this is State surface – when will the API number be assigned? Please let me know as soon as possible. Our database is keyed on API numbers and I don't like to release the SWD permit for a State well without the API number on the permit.

Regards,

Will Jones
New Mexico
Oil Conservation Division
[Images](#) [Contacts](#)

From: Jones, William V., EMNRD
Sent: Tuesday, April 26, 2011 12:16 PM
To: 'Patty_Urias@xtoenergy.com'
Cc: Dan_Foland@xtoenergy.com
Subject: RE: C108 - Nash 53 SWD

Those are shallower wells.

Since you will be injecting in the Devonian, the owners of the Devonian "tracts" are the only ones you should send notice to.

Most likely this is XTO. If XTO owns the rights to the Devonian minerals in all lands within ½ mile of the proposed disposal well, have a landman sign off on a statement to that effect and send the signed statement.

If the Devonian depths are not leased or covered by leases owned by other parties, let me know who those mineral owners or lessees are.

From: Patty_Urias@xtoenergy.com [mailto:Patty_Urias@xtoenergy.com]
Sent: Tuesday, April 26, 2011 12:07 PM
To: Jones, William V., EMNRD
Cc: Dan_Foland@xtoenergy.com
Subject: RE: C108 - Nash 53 SWD

Is that not the same information as the 1/2 mile table that was attached to C108 - see below:

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

"Every saint has a past, every sinner a future."

"Jones, William V., EMNRD"
<William.V.Jones@state.nm.us>

To "Patty_Urias@xtoenergy.com" <Patty_Urias@xtoenergy.com>
cc "Dan_Foland@xtoenergy.com" <Dan_Foland@xtoenergy.com>
Subject RE: C108 - Nash 53 SWD

04/26/2011 01:02 PM

Yes,

I get it by taking a Midland Map or STR map and spotting the proposed disposal well on that map. Then draw a ½ mile circle around that well.

Identify all commonly owned "tracts" of land (Devonian Depths only) on that map. Any tract which is wholly or partially within that circle. The tracts could be small or large enough to cover the entire circle – depending on your "Land" takeoff information. Then on a separate sheet of paper list the owner of each tract (lessee(s) or unleased mineral owners).

Basically you probably have that info from determining who to notice in this application.

David Brooks (our Landman/Attorney) asks for this information on any application requiring "notice".

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

From: Patty_Urias@xtoenergy.com [mailto:Patty_Urias@xtoenergy.com]
Sent: Tuesday, April 26, 2011 11:42 AM
To: Jones, William V., EMNRD
Cc: Dan_Foland@xtoenergy.com
Subject: RE: C108 - Nash 53 SWD

To: Warnell, Terry G, EMNRD
Subject: C108 - Nash 53 SWD
Importance: High

Hi, Terry,
I sent in a C108 on the above new well - it has not been drilled yet.

I sent the newspaper notice to the wrong newspaper - well is in Eddy County and Hobbs newspaper does not cover this county.

I have since filed a legal notice in the Carlsbad paper and have the affidavit and copy of notice.

Do I send these to you to correct my error?

Can you give me status on this C108?
Please advise and thanks for your help,

Patty Urias
Regulatory Analyst
XTO Energy, Inc.
Midland, Texas
432-620-4318
432-618-3530 - eFax

"Every saint has a past, every sinner a future."

Injection Permit Checklist (11/15/2010)

WFX _____ PMX _____ SWD 1291 Permit Date 6/16/11 UIC Qtr (A M/J)

Wells 1 Well Name(s): Nash UNIT #53

API Num: 30-0 Spud Date: New New/Old: N (UIC primacy March 7, 1982)

Footages 360 FNL/500 EEL Unit A Sec 13 Tsp 235 Rge 29E County EDDY

General Location: SW of WIPP Nash DRAW / East of LOVING

Operator: XTO ENERGY, INC. Contact Patty UREAS

OGRID: 5380 RULE 5.9 Compliance (Wells) 6/31/4 (Finan Assur) OK IS 5.9 OK? OK

Well File Reviewed None Current Status: _____

Planned Work to Well: Drill, Complete, Inject

Diagrams: Before Conversion _____ After Conversion Elogs in Imaging File: New well

Well Details:	Sizes		Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
	Hole.....	Pipe				
New <input type="checkbox"/> Existing <input type="checkbox"/> Surface	<u>26</u>	<u>20</u>	<u>300'</u>		<u>930SX</u>	
New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> Interm	<u>17 1/2</u>	<u>13 3/8</u>	<u>3500'</u>		<u>2630SX</u>	
New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> LongSt		<u>9 7/8</u>	<u>11,000'</u>	<u>6500'</u>	<u>1060 / 1290</u>	
New <input checked="" type="checkbox"/> Existing <input type="checkbox"/> Liner		<u>7"</u>	<u>10500 - 15000'</u>		<u>650</u>	
New <input type="checkbox"/> Existing <input type="checkbox"/> OpenHole						

Depths/Formations:	Depths, Ft.	Formation	Tops?
Formation(s) Above			
Injection TOP:	<u>15074</u>	<u>Dev/Fuss</u>	Max. PSI <u>3015</u> OpenHole <input checked="" type="checkbox"/> Perfs _____
Injection BOTTOM:	<u>16510</u>	<u>Devoin</u>	Tubing Size <u>4 1/2</u> Packer Depth <u>14900'</u>
Formation(s) Below			

15074
30148

Capitan Reef? _____ (Potash? Noticed? _____) WIPP? _____ Noticed? _____ Salado Top/Bo? Shallow! Cliff House? _____

Fresh Water: Depths: 200-400' Formation Russler Wells? _____ Analysis? _____ Affirmative Statement

Disposal Fluid Analysis Sources: AVALEN / Del / BS

Disposal Interval: Analysis? _____ Production Potential/Testing: _____

Notice: Newspaper Date 4/20/11 Surface Owner SLW / Host Ground Mineral Owner(s) _____

RULE 26.7(A) Affected Persons: MOASIC POTASH

AOR: Maps? Well List? Producing in Interval? NO Wellbore Diagrams? _____

.....Active Wells Repairs? _____ Which Wells? _____

.....P&A Wells Repairs? _____ Which Wells? _____

Issues: Turn in MUDLOG over DEV interval Request Sent 4/26 Reply: _____