

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2001

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN,
PLUGBACK, OR ADD A ZONE**

¹ Operator Name and Address XTO Energy, Inc 200 North Loraine, Suite 800 Midland, TX 79701		² OGRID Number 005380
³ Property Code 38709	⁵ Property Name Nash Unit SWD	⁴ API Number 30-015-39400
⁹ Proposed Pool 1 SWD; Devonian		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no H	Section 13	Township 23S	Range 29E	Lot Idn	Feet from the 360 1620	North line N	Feet from the 500 1120	East line E	County Eddy
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⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code S	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 2000 2999
¹⁶ Multiple No	¹⁷ Proposed Depth 16,510'	¹⁸ Formation Devonian	¹⁹ Contractor	²⁰ Spud Date

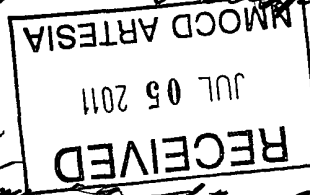
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	94#	225'	930	Surface
17 1/2"	13 3/8"	68#	3,500'	2630	Surface
12 1/4"	9 5/8"	47#	11,000'	2350	Surface
8 3/4"	7"	32#	15,100'	640	TOL @ 10,500'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

See Attached.

SWD-1291 needs to
be amended prior to deepening
into this well
also MIT needs
to be conducted
before deepening into this well.



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature.

Barry W. Hunt

Printed name Barry W. Hunt

Title: Permit Agent for XTO Energy

E-mail Address: specialtpermitting@gmail.com

Date: 4/18/11

Phone: 575-361-4078

OIL CONSERVATION DIVISION

APD 9/21/11
Approved by.

Title:

Approval Date:

9/13/11

Expiration Date:

9/13/13

Conditions of Approval Attached ☐



December 8, 2010

To Whom It May Concern:

Mr. Barry Hunt is employed by XTO Energy Inc. to sign as their agent for APD's and Right of Ways in the state of New Mexico and Texas.

If you have any questions, please contact me at my office at 432-682-8873.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Eubank", written over a horizontal line.

Don Eubank
XTO Energy Inc.
Drilling Manager



Mosaic Potash Carlsbad Inc.
P.O. Box 71
1361 Potash Mines Road
Carlsbad, NM 88221-0071
www.mosaicco.com

Tel: 505-887-2871

September 7, 2011

XTO Energy Inc.
Attn: DeeAnn Kemp
200 N. Loraine, Ste 800
Midland, Texas 79701

Dear Ms. Kemp:

Per our discussions the Nash Unit #53 SWD well, located at 1620' FNL and 1120' FEL of Section 13, T-23-S, R-29-E; Mosaic Potash Carlsbad Inc. does have a potash lease within one mile of this area, this location is outside our LMR but within the ½ mile buffer required for wells of this depth. The location is "behind" previously drilled wells in the area that have already impacted the potash reserves. The drilling of this disposal well should cause no further loss of potash reserves, therefore Mosaic does not object to its location at this time and waives any 20 day waiting period required for further potash company response.

As more information becomes available, our estimates of the extent of potash resources in any given area may change. Therefore, please consider a "no objection" or "objection" to these locations to be valid for one year only. Do not consider a "no objection offered" or an "objection offered" decision to be permanent.

Mosaic Potash submits this letter in lieu of the forms requested.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Morehouse", written over a horizontal line.

Dan Morehouse
Mine Engineering Superintendent

DRILLING PROGRAM

XTO Energy Inc., 200 North Loraine, Suite 800, Midland, TX

Nash Unit SWD #53

360' FNL & 500' FEL

Unit A, Section 13, T-23-S, R-29-E

Eddy County, NM

Projected TD: 16,510' TVD/MD

1. GEOLOGIC NAME OF SURFACE FORMATION: Quaternary

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS & DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Formation	Well Depth (ft)
Salado	248
Bell Canyon*	3190
Cherry Canyon*	4081
Brushy Canyon*	5567
Bone Spring*	6941
Wolfcamp	10222
Strawn	12050
Atoka Lime	12546
Morrow	13033
Miss. Lime	14549
Woodford	14869
Devonian	15074
Simpson	16510

(*) Primary hydrocarbon-bearing strata

3. CASING PROGRAM:

The surface fresh water sands will be protected by setting 20" casing at $\pm 225'$ and circulating cement back to surface. The hydrocarbon productive intervals will be isolated by setting 9-5/8" and 7" casing to total depth and circulating cement to surface.

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used
26"	0' – 225'	20"	94	STC	H-40	New API
17-1/2"	0' – 3500'	13-3/8"	68#	STC	K-55	New API
12-1/4"	0' – 11000'	9-5/8"	47#	LTC	P-110	New API
8-3/4"	10500' – 15100'	7"	32#	LTC	P-110	New API

4. CEMENT PROGRAM:

A. Surface Cement:

Lead Slurry: 200 sx Class-C, gilsonite, Cal-Seal 60.
(14.2 ppg, 1.62 cu ft/sk, 6.97 gal/sk)

Tail Slurry: - 730 sx HalCem-C + 2% CaCl
(14.8 ppg, 1.35 cu ft/sk, 6.39 gal/sk)

All volumes 100% excess. Cement to surface.

B. 1st Intermediate Cement:

Lead Slurry: 2075 sx EconoCem-HLC + 5% salt
(12.7 ppg, 1.97 ft³/sk, 10.69 gal wtr/sk)

Tail Slurry: 560 sx HalCem-C
(14.8 ppg, 1.33 ft³/sk, 6.34 gal/sx wtr)

All volumes to be adjusted per caliper log. Cement to surface.

C. 2nd Intermediate Cement:

Stage 1- Lead Slurry: 840 sx Versacem-H
(11.9 ppg, 2.25 ft³/sk, 12.28 gal wtr/sk). Tail Slurry: 220 sx HalCem-H
(15.8 ppg, 1.17 ft³/sk, 4.58 gal wtr/sk). Cement to circulate.

DV Tool at 6500'

Stage 2- Lead Slurry: 1090 sx Versacem-H
(11.7 ppg, 2.36 ft³/sk, 13.74 gal wtr/sk). Tail Slurry: 200 sx HalCem-H
(15.6 ppg, 1.19 ft³/sk, 5.39 gal wtr/sk).

All volumes to be adjusted per caliper log. Cement to surface.

D. Production liner Cement:

Lead Slurry: 440 sx VersaCem-PBSH2
(13.2 ppg, 1.59 ft³/sk, 8.26 gal wtr/sk)

Tail Slurry: 200 sx VersaCem-H
(14.4 ppg, 1.23 ft³/sk, 5.45 gal/sx wtr)

All volumes to be adjusted per caliper log. Cement to top of liner.

5. PRESSURE CONTROL EQUIPMENT:

The blowout preventer stack for the production hole will consist of a double ram blowout preventer and annular preventer rated to 5000 psi working pressure. All BOP's and accessory equipment will be tested before drilling out. A hydraulic closing unit will be a part of this equipment and will be function tested daily.

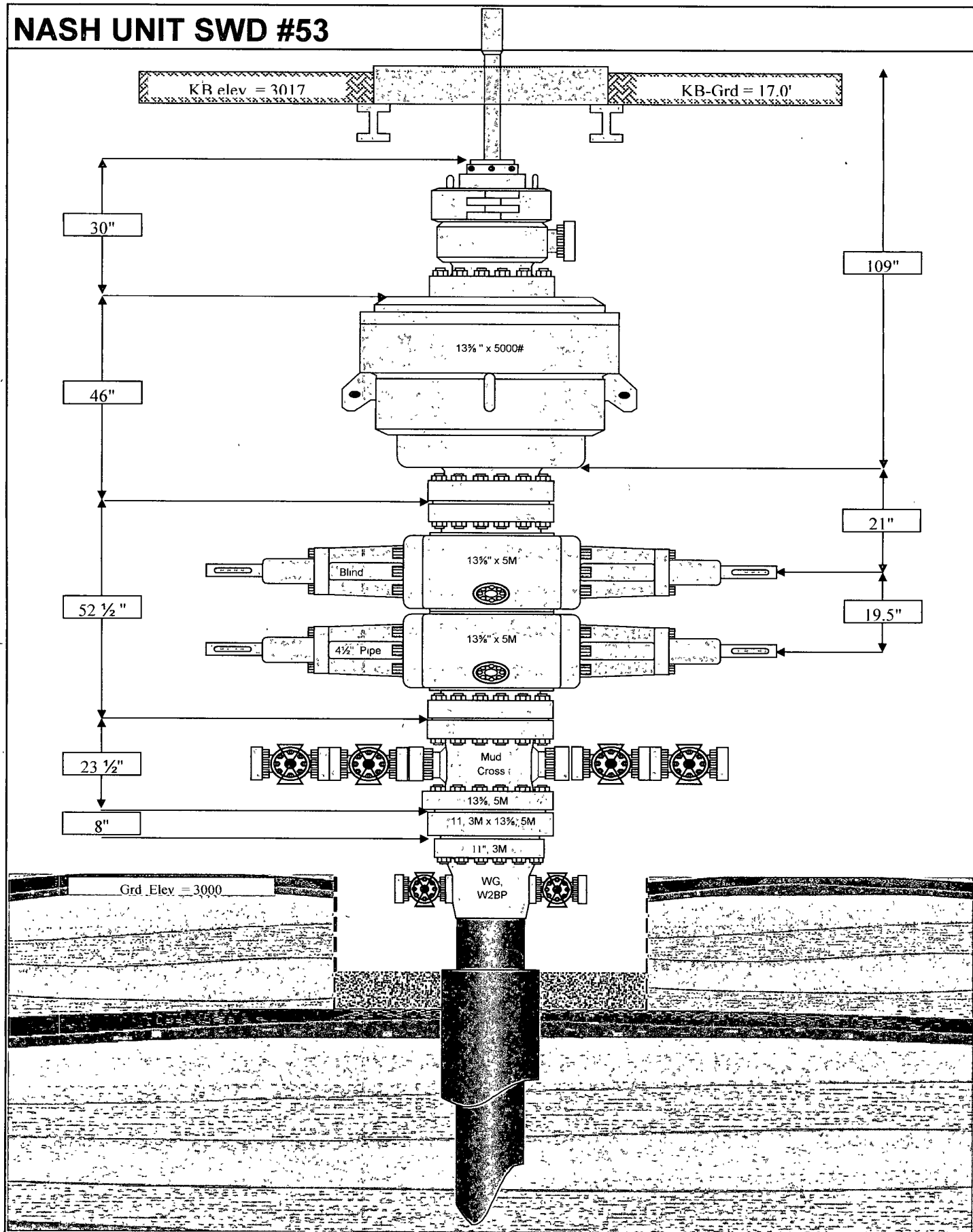
6. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- A. A kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

7. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

Road and location construction will begin after OCD has approved APD. Anticipated spud date will be as soon as possible after OCD approval and a rig becomes available. Move in operations and drilling is expected to take 25 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

NASH UNIT SWD #53



Choke Manifold

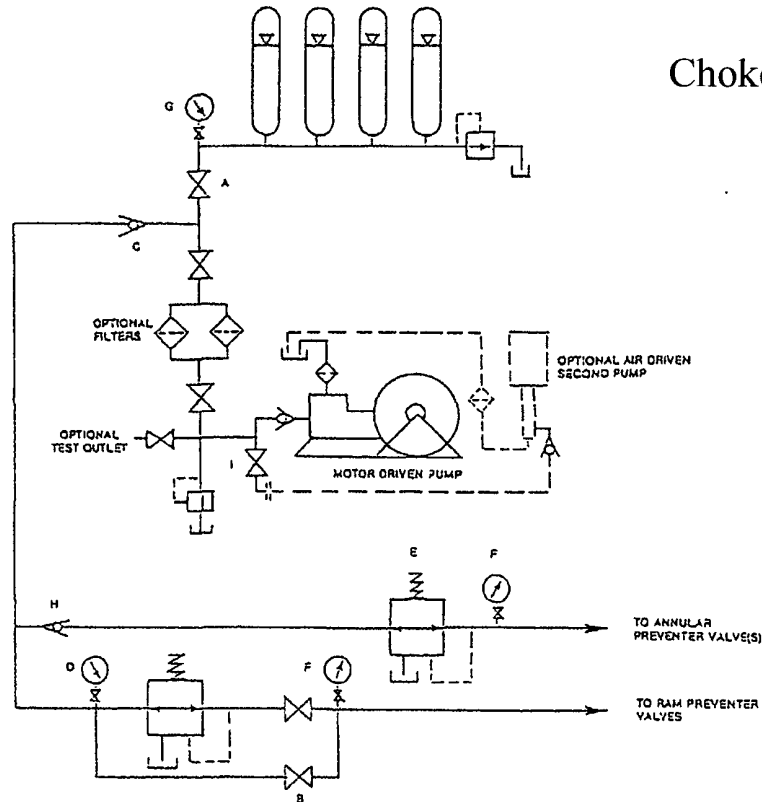


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

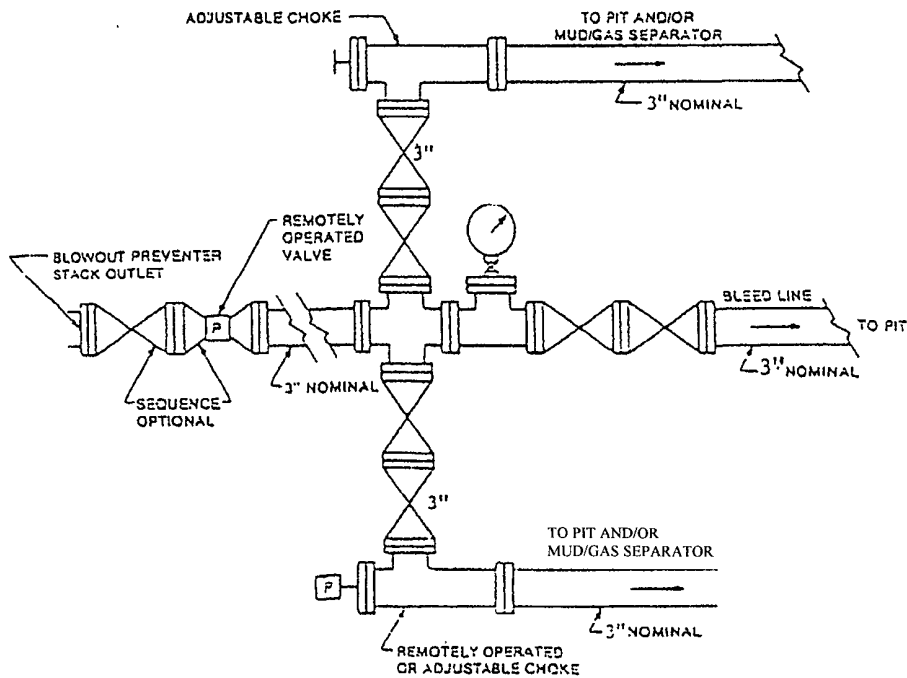


FIGURE K4-2 Typical choke manifold assembly for SM rated working pressure service - surface installation