

Results of Directional Survey

API number:	30-025-28586		
OGRID:		Operator:	XTO ENERGY INC
		Property:	NORTH VACUUM ABO UNIT # 243

surface	ULSTR:	C	26	T	17S	R	34E
			657	FNL	1839	FWL	

BH Loc	ULSTR:	E	26	T	17S	R	34E
			1525	FNL	938	FWL	

	MD	N/S	E/W	VD
	8300	-8.58	18.55	8299.5
TOP PERFS/OH	8322	-9.11	18.19	8321.49
	8335	-9.42	17.98	8334.48
	9691	-842.04	-868.98	8581.84
BOT PERFS/OH	9732	-867.89	-900.80	8582.66
	9732	-867.89	-900.80	8582.66

NEXT TO LAST	9691	-842.04	-868.98	8581.84
LAST READING	9732	-867.89	-900.80	8582.66
TD	9732	-867.89	-900.80	8582.66

Surface Location	657	FN	1839	FW
Projected BHL	1525	FN	938	FW
Location of				
Top Perfs/OH	666	FN	1857	FW
Bottom Perfs/OH	1525	FN	938	FW

SUMMARY of Subsurface Locations

Surface Location	C-26-17S-34E	657	FN	1839	FW	Vert. Depth
Top Perfs/OH	C-26-17S-34E	666	FN	1857	FW	8321.49
Bottom Perfs/OH	E-26-17S-34E	1525	FN	938	FW	8582.66
Projected TD	E-26-17S-34E	1525	FN	938	FW	8582.66

Schlumberger

9458.00	89.59	231.84	4530 18	8574.18	978.60	-697 51	-686.46	978.65	224.54	5 05	37.16R
9489 00	90 83	232.78	4530.07	8574.07	1009.36	-716.47	-710 99	1009.37	224 78	5.02	169.23L
9521.00	87.31	232.11	4530 59	8574 59	1041 09	-735.97	-736.36	1041.09	225.02	11.20	34 60L
9552.00	87 73	231.82	4531.93	8575.93	1071.84	-755.05	-760.75	1071 84	225.22	1.65	13.28L
9584 00	88 45	231.65	4533.00	8577 00	1103.61	-774.86	-785 86	1103.62	225 40	2.31	148.13L
9616.00	88.00	231.37	4533.99	8577.99	1135 39	-794.76	-810.89	1135.43	225 58	1 66	166.31L
9647.00	86.32	230.96	4535 52	8579.52	1166 18	-814 18	-835.01	1166.24	225 72	5 58	45.43L
9679 00	86.94	230.33	4537 40	8581.40	1197.98	-834.43	-859 71	1198.07	225.85	2.76	16.81R
9691 00	88.86	230.91	4537.84	8581.84	1209.91	-842 04	-868.98	1210.02	225.90	16.71	90.00R
9732.00	88 86	230.92	4538.66	8582.66	1250.69	-867.89	-900.80	1250.87	226 07	0.02	---

Survey Type: Non-Def Survey

Survey Error Model: SLB ISCWSA version 24 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (ft)

0.00

12.00

8300 00

MD To (ft)

12.00

8300.00

9732.00

EOU Freq Survey Tool Type

Act-Stns SLB_CNSG+DPIPE-Depth Only

Act-Stns SLB_CNSG+DPIPE

Act-Stns SLB_MWD-STD

Borehole -> Survey

Pilot -> North Vacuum ABO Unit Gyro Surveys 0' to 8700'

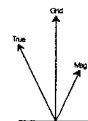
Pilot -> North Vacuum ABO Unit Gyro Surveys 0' to 8700'

Horizontal -> NVAU 243H Gyro + MWD 0' to 9732 Final Survey

WELL North Vacuum ABO Unit 243H	FIELD NM, Lea County	STRUCTURE XTO, NVAU 243H
Magnetic Parameters Model: BGGM 2006 Dip: 60.871° Mag Dec: +8.145° Date: April 04, 2007 FS: 49444.8 nT	Surface Location Lat: N32 46 40.551 Lon: W103 31 59.984 Northing: 659778.80 hUS Easting: 745792.10 hUS NAD27 New Mexico State Plane, Eastern Zone, US Feet Grid Conv: +0.43352129° Scale Fact: 0.999978275	Miscellaneous Slot: NVAU 243H Plan: Rev1 rsl 4-Apr-07 TVD Ref: RKB (4044.00 ft above MSL) Srvy Date: April 04, 2007

Legend

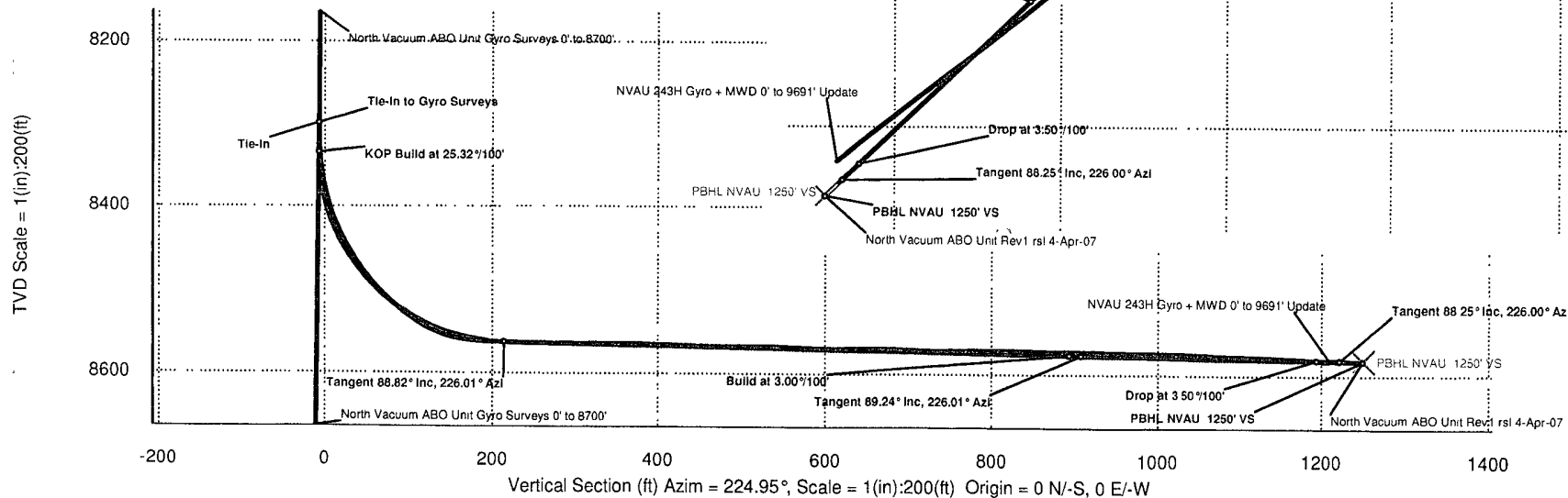
North Vacuum ABO Unit Rev1 rsl 4-Apr-07
 North Vacuum ABO Unit Gyro Surveys 0' to 8700'
 NVAU 243H Gyro + MWD 0' to 9691' Update
 North Vacuum ABO Unit PBHL
 PBHL NVAU 1250' VS



Grid North
 Tot Corr (M->G +7.7115°)
 Mag Dec (+8.145°)
 Grid Conv (+0.43352129°)



Critical Point	MD	INCL	AZIM	TVD	YSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-In to Gyro Surveys	8300.00	1.00	108.47	8299.50	-7.03	-8.58	18.55	
KOP Build at 25.32°/100'	8335.50	1.00	108.47	8335.00	-7.31	-8.78	19.14	0.00
Tangent 88.82° Inc, 226.01° Azi	8688.06	88.82	226.01	8563.00	214.30	-165.16	-137.88	25.32
Build at 3.00°/100'	9367.56	88.82	226.01	8576.99	893.54	-636.99	-626.65	0.00
Tangent 89.24° Inc, 226.01° Azi	9381.56	89.24	226.01	8577.23	907.53	-646.72	-636.72	3.00
Drop at 3.50°/100'	9667.86	89.24	226.01	8581.03	1193.76	-845.54	-842.69	0.00
Tangent 88.25° Inc, 226.00° Azi	9696.03	88.25	226.00	8581.64	1221.92	-865.11	-862.95	3.50
PBHL NVAU 1250' VS	9724.13	88.25	226.00	8582.50	1250.00	-884.62	-883.15	0.00



Quality Control
 Date Drawn: Fri 08:35 AM April 06 2007
 Drawn by: Rob Lucy
 Checked by:
 Client OK

Submit to Appropriate District Office

State Lease - 6 copies

Fee Lease - 5 copies

District I

1625 N. French, Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico

Energy, Minerals and Natural Resources

Form C-105

Revised June 10, 2003

RECEIVED

OIL CONSERVATION DIVISION

MAR 24 2008 1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS OCD

WELL API NO.

30-025-28586

5. Indicate Type Of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER Lateral (Horizontal)

b. Type of Completion.

NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ OTHER ☐

2. Name of Operator

XTO Energy, Inc.

3. Address of Operator

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

4. Well Location

BHL @ E-26-17s-34e, 1525/N & 938/W

Unit Letter C : 657 Feet From The North Line and 1839 Feet From The West LineSection 26Township 17SRange 34E

NMPM

Lea

County

10. Date Spudded

3/28/07

11. Date T D Reached

04/07/07

12. Date Compl. (Ready to Prod.)

05/11/07

13. Elevations (DF & RKB, RT, GR, etc.)

4,032'

14. Elev. Casinghead

15. Total Depth

9732' MD/8582' TVD

16. Plug Back T.D.

9732' MD/8582' TVD

17. If Multiple Compl. How

Many Zones?

18. Intervals

Drilled By

Rotary Tools

X

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

Open Hole Lateral 8327' - 9732' Lower ABO

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

22. Was Well Cored

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	400'	17-1/2"	400 SX	
8-5/8"	32#	5000'	12-1/4"	2600 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5-1/2	4153	8700	925		2-7/8	8207	

25. TUBING RECORD

26. Perforation record (interval, size, and number)

Open Hole Lateral 8657' - 9732' MD
 Perfs 8622-25', 8646-50', 8668-72' 14 total holes, 1 SPF
 SEE ATTACHED

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9,384-9,732	Acddz w/20000 gals 20%UltragealAcid
9,036-9,384	Acddz w/20000 gals 20%UltragealAcid
8,688-9,036	Acddz w/20000 gals 20%UltragealAcid

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
5/11/2007		Sub-Pump 100 HP					
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
5/17/2007	24hr			93	68	731	731
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	
						36.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

30. List Attachments

C104, C102, Wellbore Diagram, Directional Drllg Survey

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Sherry Pack

Printed Name

Sherry Pack

Title Regulatory Analyst Date 3/20/07

E-mail address

sherry.pack@xtoenergy.com

XTO
ENERGY
NVAU #243H
API 30-025-28586
Form C-105 cont'd

26. Perforation record (continued from Form C-105)

Perfs 8494-8508', 8524-28', 8531-37', 8550-52', 8554-57', 8559-66', 8574-79 45 total holes, 1 SPF

NVAU #243H WELLBORE DIAGRAM

DATA

LOCATION: 657' FNL & 1839' FWL, UNIT C, SEC 26, T17S, R34E

COUNTY/STATE: LEA COUNTY, NEW MEXICO

FIELD: NORTH VACUUM ABO

FORMATION: ABO

SPUD DATE: 3/10/1984 **COMPLETION DATE:**

IP:

NMOCD LEASE NO: **API #:** 30-025-28586 **CTOC ACCTG #:**

PRODUCTION METHOD: PRODUCING (TEST SUB)

TUBING STRING:

COMPLETION HISTORY

4/84: INTIAL COMPLETION

DO' TO 8695', **PERFORATE ABO @ 8622-25', 8646-50', 8668-72'(14', 14 TOTAL HOLES, 1 SPF)**, ACDZ ABO PERFS DOWN 2 7/8" WS W/ 3,500 GALLONS 15% DINE HCL & 28 BS, AIR 4.6 BPM @ 4300 PSI, ISIP 3100 PSI, 10 MIN 2200 PSI
GOOD FLUID ENTRY IN INTERVAL (80-90% OIL CUT)
FLOWED 27 BO ON 1" CHOKE
OPEN BYPASS & POH W/ TBG

SET RBP @ 8600', **PERFORATE ABO @ 8494-8508', 8524-28', 8531-37', 8550-52', 8554-57', 8559-66', 8574-76' (45', 45 TOTAL HOLES, 1 SPF)**, ACDZ ABO PERFS W/ 2000 GALLONS 15% NEA ACID & 68 BS, AIR 4 3 BPM, ISIP 3100 PSI
FLWD 73 BO & 8 BLW
ACDZ ABO PERFS W/ 9000 GAL 15% NEA ACID + 62 BS, AIR 5 BPM, ISIP 3300 PSI, 10 MIN 1700 PSI

LATCH ONTO RBP & COMMINGLE BOTH ZONES

IPP: 195 BO, 66 BW, 224 MCF IN 24 HOURS

4/07: DRILL/STIM LATERAL IN ABO

SET RBP @ 8335', SET WHIPSTOCK JUST ABOVE RBP, MILL WINDOW FROM 8322'-8332'

DETAILS OF LATERAL (4.75" BIT)		
KOP: 8327',		
CURVE SECTION .	8327'-8657' MD	8327'-8562' TVD
LATERAL SECTION	8657'-9732' MD	8562'-8582' TVD

CSG PRESSURE 1500 PSI, FLWD BACK 126 BW, RIH W/ 4 5/8" BIT, X-OVER, 4 JTS 2 7/8" L80 WS, X-OVER, 4 5/8" STRING MILL, X-OVER, 47 JTS 2 7/8" 9.5# L80, 251 JTS 2 7/8" N-80 WS, TAG FILL @ 9664' IN LATERAL, POH W/ ASSEMBLY, RIH W/ PEAK COMPLETION STRATA-PORT / STRATA PACKER ASSEMBLY, TREAT OH LATERAL W/ 60,000 GAL 20% ULTRAGEL IN 3 STAGES

9384-9732 – 20000 GAL 20% ACID, AIR 6.2 BPM @ 4855 PSI

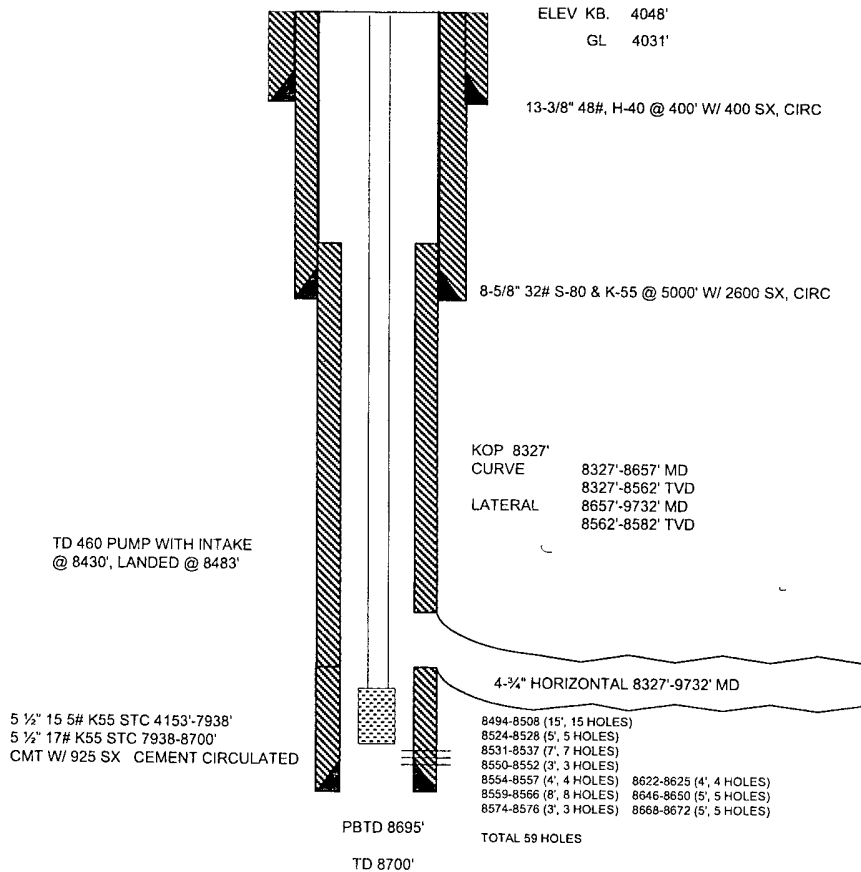
9036-9384 – 20000 GAL 20% ACID, AIR 6.6 BPM @ 4869 PSI

8688-9036 – 20000 GAL 20% ACID, AIR 6.3 BPM @ 4900 PSI

ISIP 3470 PSI, 15 MIN 3328 PSI

POH W/ PACKER ASSEMBLY,
PUT WELL ON PRODUCTION (SUB PUMP)
2 7/8" PROD TBG (PUMP INTAKE @ 8143')

TEST . P. 56 BO, 349 BW, 106 MCF IN 24 HRS, 1 CYCLE ON 6/4/07



NVAU #243H WELLBORE DIAGRAM

6/07: RETRIEVE WS, RBP, DOWNSIZE SUB & RWTP

POH W/ TD650 SUB, WELL BEGAN TO FLOW, KILLED WELL, RIH W/ WHIPSTOCK RETRIEVING TOOL & BUMPER SUB ON WS, RETRIEVED WS, TIH & RETRIEVED RBP, PUT WELL ON PRODUCTION (TD460SUB PUMP)
2 7/8" PROD TBG (PUMP INTAKE @ 8430'), RWTP ON 6/15/07

DISTRICT I

1625 N. FRENCH DR., F068S, NM 86240

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1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-28586	Pool Code 61760	Pool Name North Vacuum Abo
Property Code 301587	Property Name NORTH VACUUM ABO UNIT	Well Number 2434H
OGRID No. 5380	Operator Name XTO ENERGY INC.	Elevation 4032'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	26	17-S	34-E		657	NORTH	1839	WEST	LEA

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
E	26	17-S	34-E		1531	NORTH	948	WEST	LEA
Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No. 1525	938					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=659778.8 N X=745792.1 E LAT.=32.811264° N LONG.=103.533329° W AS-DRILLED BOTTOM HOLE LOCATION Y=658894.4 N X=744909.2 E NOTE: AS-DRILLED BOTTOM HOLE LOCATION PLOTTED FROM SURVEY REPORT PREPARED BY SCIENTIFIC DRILLING	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Sherry Pack</u> 4-3-08 Signature Date <u>Sherry Pack</u> Printed Name SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. FEBRUARY 19, 2007 Date Surveyed LA Signature & Seal of Professional Surveyor <u>Ronald J. Eidson</u> 3239 08.13.0208 Certificate No. <u>CARY EIDSON</u> 12641 RONALD J. EIDSON 3239
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