

Type or print only

RAILROAD COMMISSION OF TEXAS  
Oil and Gas Division

Form W-2

Rev. 4/1/83

EAG0897

API No. 42-003-05620		7. RRC District No. 08
<b>Oil Well Potential Test, Completion or Recompletion Report, and Log</b>		8. RRC Lease No. 39152
1. FIELD NAME (as per RRC Records or Wildcat) University Block 9 (Devonian)	2. LEASE NAME University Block 9	9. Well No. 1N
3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report) XTO ENERGY, INC.	RRC Operator No. 945936	10. County of well site Andrews
4. ADDRESS 200 North Loraine, Suite 800, Midland, TX 79701		11. Purpose of filing Initial Potential <input type="checkbox"/>
5. If Operator has changed within the last 60 days, name the former operator		Retest <input checked="" type="checkbox"/>
6a. Location (Section, Block, and Survey) Sec 14 Blk 9 University Land	6b. Distance and direction to nearest town in this county. 8.4 miles SW from Andrews	Reclass <input type="checkbox"/>
12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil - O Gas - G
13. Type of electric or other log run No logs ran		WELL NO. Well record only (explain in Remarks)
14. Completion or recompletion date 8/23/09		

## SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test 10/4/09	16. No. of hours tested 24 hrs	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump) 2-1/2x1-1/2x 30 RHBH	18. Choke size
19. Production during Test Period Oil - BBLS 210	Gas - MCF 146	Water - BBLS 187	Gas - Oil Ratio 695
20. Calculated 24-Hour Rate Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60° 43.46
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	22. Oil produced prior to test (New & Reworked wells)	23. Injection Gas-Oil Ratio	
REMARKS: Add lateral and acdz. Sqz'd casing leak. Cut window fr/10190-10199'.			

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

BHL: 2419 FNL + 625 FUL MD: 12,262 TUD: 10,494

<b>WELL TESTER'S CERTIFICATION</b>		
I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.		
Signature: Well Tester	Name of Company XTO Energy, Inc.	RRC Representative

<b>OPERATOR'S CERTIFICATION</b>		
I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.		
DeeAnn Kemp	Regulatory	
Typed or printed name of operator's representative	Title of Person	
432-620-6724	10 / 08 / 2009	
Telephone: Area Code Number	Date: mo. day year	Signature

U. T. LANDS

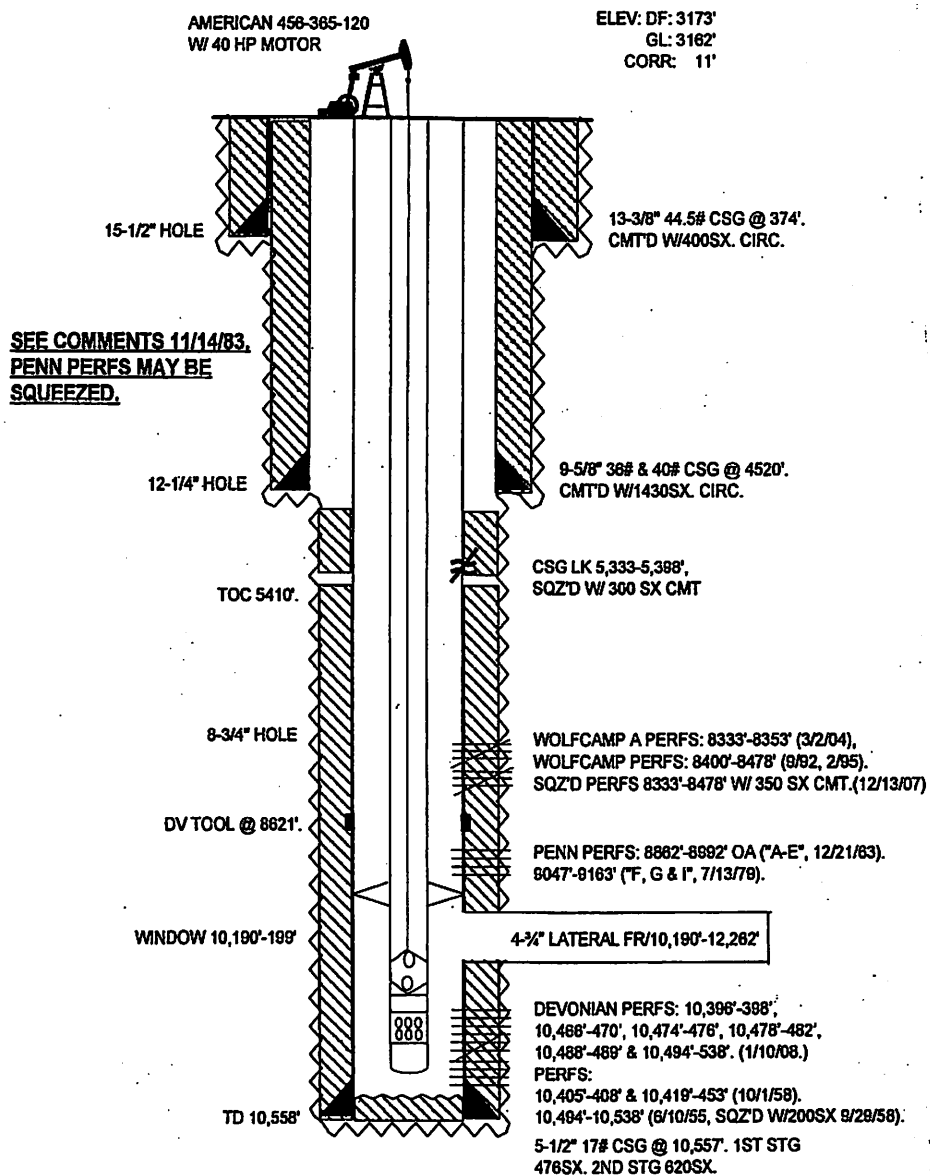
OCT 12 2009

Oil &amp; Gas

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
24. Type of Completion New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input checked="" type="checkbox"/>					25. Permit to Drill, Plug Back or, Deepen DATE 5/15/09 PERMIT NO. 681085 Rule 37 CASE NO. Exception Water Injection PERMIT NO. Permit Salt Water Disposal PERMIT NO. Permit Other PERMIT NO.				
26. Notice of Intention to Drill this well was filed in Name of  XTO Energy Inc.					27. Number of producing wells on this lease in this field (reservoir) including this well 60 28. Total number of acres in this lease 4819.5				
29. Date Plug Back, Deepening, Workover or Drilling Operations: 6/16/09		Commenced 6/16/09		Completed 6/26/09		30. Distance to nearest well. Same Lease & Reservoir 935'			
31. Location of well, relative to nearest lease boundaries of lease on which this well is located					5734 Feet from North Line and 6936 Feet from East Line of the University Block 9 Lease				
32. Elevation (DF, RKB, RT, GR, ETC.) 3162' GL					33. Was directional survey made other than inclination (W-12)? <input type="checkbox"/> Yes <input type="checkbox"/> No				
34. Top of Pay 10385		35. Total Depth MD 12262 TVD 10453.6		36. P. B. Depth MD 12262 TVD 10453.6		37. Surface Casing Determined by: Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/>		Dt. of Letter 5/18/09 Dt. of Letter	
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR				40. Intervals Drilled by:		Rotary Tools Cable Tools	
41. Name of Drilling Contractor Key Energy		42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No				43. CASING RECORD (Report All Strings Set in Well)		44. LINER RECORD	
CASING SIZE		WT #/FT.		DEPTH SET		MULTISTAGE TOOL DEPTH		TYPE & AMOUNT CEMENT (sacks)	
13-3/8"		44.5		374'		400 SXS		17-1/2"	
9-5/8"		36/40		374'		1430 SXS		11"	
5-1/2"		17		10557'		1096		7-7/8"	
5410 (TS)		SLURRY VOL. cu. ft.		45. TUBING RECORD		46. Producing Interval (this completion) Indicate depth of perforation or open hole			
Size		Depth Set		Packer Set		From 10396		To 10538 perfs	
2-7/8"		10491'		10190		To 12262 lateral		47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Depth Interval		Amount and Kind of Material Used				48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
5333-5398' (sqz casing leak)		sqz'd w/300 SXS cmt (W-15 attached)				Formations		Depth	
11868-12262'		Acdz w/24000 g. emulsified acid/12000 g. 15% HCL				Mississippi		9946	
11520-11868'		Acdz w/21000 g. emulsified acid/10500 g. 15% HCL				Woodford		10305	
11172-11520'		Acdz w/21000 g. emulsified acid/10500 g. 15% HCL				Devonian		10385	
REMARKS Item 47: 10824-11172' Acdz w/21000 g. emulsified acid/10500 g. 15% HCL 10476-10824' Acdz w/21000 g. emulsified acid/10500 g. 15% HCL									

# UNIV BLK 9 1N

## WELLBORE DIAGRAM



W:WELL SKETCHES\UNIV BLK 9 1N

Cementor: Fill in shaded areas.  
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS  
Oil and Gas Division

REC'D MIDLAND

AUG 11 2009

Form W-15  
Cementing Report  
Rev. 4/1/83  
483-045

1. Operator's Name (As shown on Form P-5, Organization Report) <b>XTO Energy, Inc</b>	2. RRC Operator No. <b>945936</b>	3. RRC District No. <b>08</b>	4. County of Well Site <b>Andrews</b>
5. Field Name (Wildcat or exactly as shown on RRC records) <b>University Block 9 (Devonian)</b>		6. API No. <b>42-003-05620</b>	7. Drilling Permit No. <b>681025</b>
8. Lessee Name <b>University Block 9</b>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>39152</b>	11. Well No. <b>1N</b>

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date							
13. • Drilled hole size							
• Est. % wash or hole-enlargement							
14. Size of casing (in. O.D.)							
15. Top of liner (ft.)							
16. Setting depth (ft.)							
17. Number of centralizers used							
18. Hrs. waiting on cement before drill-out							
1st Slurry	19. API cement used: No. of sacks ▶						
	Class ▶						
	Additives ▶						
2nd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶						
	Height (ft.) ▶						
2nd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?							
22. Remarks Squeezed HIC @ 5,333' - 5,398' with 100sx class C 2% CaCl <sub>2</sub> + .03 % C-15. Tailed with 200sx class C neat. CICR set @ 5,200' <b>CICR drilled out</b>							

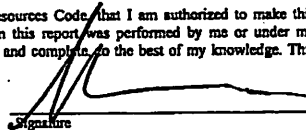
OVER ►

CEMENTING TO PLUG AND ABANDON	PLUG # 1	PLUG # 2	PLUG # 3	PLUG # 4	PLUG # 5	PLUG # 6	PLUG # 7	PLUG # 8
23. Cementing Date	07/20/09							
24. Size of hole or pipe plugged (in.)	5 1/2"							
25. Depth to bottom of tubing or drill pipe (ft.)	5,200'							
26. Sacks of cement used (each plug)	300							
27. Slurry volume pumped (cu. ft.)	396							
28. Calculated top of plug (ft.)	5,190'							
29. Measured top of plug, if tagged (ft.)	—							
30. Slurry wt. (lbs/gal)	14.8							
31. Type cement	C							

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in the well as shown in this report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers cementing data only.

**Steve Newman, District Manager**  
Name and title of cementer's representative

**Basic Energy Services**  
Cementing Company

  
Signature

**P O Box 10451**  
Address

**Midland**  
City

**TX**  
State

**79702**  
Zip Code

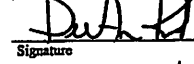
**432-687-1994**  
Tel.: Area Code Number

**07/20/09**  
Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that the data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

**DeeAnn Kemp**  
Typed or printed name of operator's representative

**Regulatory**  
Title

  
Signature

**200 N. Loring, Ste 800 Midland, Tx 79701**  
Address City State Zip Code

**432-620-6724**  
Tel.: Area Code Number

**10-8-09**  
Date: mo. day yr.

### Instructions to Form W-15, Cementing Report

**IMPORTANT:** Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

**A. What to file.** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

**B. Where to file.** The appropriate Commission District Office for the country in which the well is located.

**C. Surface casing.** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

**D. Centralizers.** Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

**E. Exceptions and alternative casing programs.** The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

**F. Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

**G. Plugging and abandoning.** Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.



Scientific Drilling

Scientific Drilling International, Inc.

2034 Trade Drive • Midland, Texas 79706

P.O. Box 9699 • Midland, Texas 79708

Tel: 432-563-1339 • Fax: 432-697-0324

14 July 2009

Pam Johns

Railroad Commission of Texas

Oil & Gas Division

P.O. Box 12967

Austin, Texas 78711

COPY

Subject: Company: XTO Energy Inc.  
Lease Name: University Block 9; Well #1N  
RRC Lease ID No.: Not Assigned  
Field Name: University Block 9  
Survey Co.: UL  
County: Andrews  
API No: 42-003-05620

Enclosed, please find the original and one copy of the survey performed on the above referenced well by Scientific Drilling International (P-5 No. 758300). Other information required by your office is as follows:

<u>Name &amp; Title of Surveyor</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Angel Madrid Field Technician	0'-10505'	05/27/09	Keeper Gyro

A Certified plat on which the bottom hole location is oriented to the surface location is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Regards,

Becky Wharton

Enclosures

cc:



State of Texas  
County of Midland

I, Angel Madrid, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 05/27/09 through 05/27/09 conduct or supervise the taking of a Keeper Gyro survey from a depth of 0 feet to a depth of 10505 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy Inc. for the University Block 9 #1N Well; API# 42-003-05620 in Andrews County, Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.

  
Field Technician



# Scientific Drilling International Survey Report

Company: KNOX ENERGY INC.	Date: 07/12/2009	Time: 20:58:39	Page: 1
Well: University Block 8 (Devonian)	Geographic (N/E) Reference: State: Andrews County, Texas	Grid: North	
Well: University Block 8 (Devonian)	Vertical (V) Reference: SITE-04		
Well: University Block 8 (Devonian)	Section (S) Reference: Well: 0-00000.00E (48.86A2)		
Well: University Block 8 (Devonian)	Survey Calculation Method: Minimum Curvature	DO: Sybase	

Survey: 05/27/09	Start Date: 05/27/2009
Company: KSRG 0'-10505'	Engineer: Madrid w/Gray
Tool: Scientific Drilling Internatio	Tied-to: From Surface
Tool: Keeper, Keeper Gyro	

## Survey

Depth	Time	Depth	Time	Depth	Time	Depth	Time	Depth	Time
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.13	325.18	100.00	-0.11	0.09	-0.08	0.13	0.11	325.18
200.00	0.15	116.34	200.00	-0.11	0.13	-0.01	0.27	0.13	354.54
300.00	0.08	34.14	300.00	-0.02	0.13	0.14	0.16	0.19	48.44
400.00	0.26	204.75	400.00	0.07	-0.02	0.09	0.34	0.09	102.98
500.00	0.19	225.36	500.00	0.20	-0.34	-0.12	0.11	0.38	199.96
600.00	0.20	202.66	600.00	0.32	-0.62	-0.31	0.08	0.69	206.53
700.00	0.22	254.30	700.00	0.34	-0.83	-0.56	0.18	1.01	213.98
800.00	0.28	234.99	800.00	0.27	-1.03	-0.95	0.10	1.40	222.71
900.00	0.11	192.24	900.00	0.33	-1.26	-1.17	0.21	1.72	222.82
1000.00	0.10	149.39	1000.00	0.48	-1.43	-1.14	0.08	1.83	218.67
1100.00	0.07	213.32	1100.00	0.59	-1.55	-1.13	0.09	1.92	216.07
1200.00	0.16	101.22	1200.00	0.71	-1.63	-1.03	0.20	1.93	212.21
1300.00	0.14	162.16	1300.00	0.83	-1.78	-0.85	0.15	1.97	205.69
1400.00	0.38	212.01	1399.99	1.17	-2.17	-0.99	0.31	2.39	204.55
1500.00	0.69	225.53	1499.99	1.39	-2.88	-1.60	0.33	3.29	209.06
1600.00	0.58	219.79	1599.98	1.60	-3.69	-2.35	0.13	4.37	212.53
1700.00	0.50	232.21	1699.98	1.74	-4.34	-3.02	0.14	5.29	214.81
1800.00	0.44	237.34	1799.98	1.73	-4.82	-3.69	0.07	6.07	217.44
1900.00	0.60	256.61	1899.97	1.50	-5.15	-4.52	0.23	6.85	221.30
2000.00	0.62	71.08	1999.97	1.46	-5.09	-4.52	1.22	6.81	221.58
2100.00	0.76	64.80	2099.96	1.74	-4.63	-3.41	0.16	5.75	216.32
2200.00	0.56	77.20	2199.96	2.06	-4.24	-2.33	0.24	4.84	208.77
2300.00	0.36	94.04	2299.95	2.46	-4.16	-1.54	0.24	4.43	200.33
2400.00	0.40	89.88	2399.95	2.86	-4.18	-0.88	0.05	4.27	191.86
2500.00	0.26	132.70	2499.95	3.29	-4.33	-0.36	0.27	4.35	184.78
2600.00	0.30	149.10	2599.95	3.77	-4.71	-0.06	0.09	4.71	180.74
2700.00	0.30	132.87	2699.95	4.29	-5.12	0.27	0.08	5.12	177.03
2800.00	0.34	92.75	2799.95	4.73	-5.31	0.75	0.22	5.36	171.92
2900.00	0.52	60.35	2899.94	4.97	-5.10	1.44	0.30	5.30	164.18
3000.00	0.78	66.07	2999.94	5.16	-4.60	2.46	0.27	5.21	151.84
3100.00	1.03	81.18	3099.92	5.72	-4.18	3.97	0.34	5.77	136.49
3200.00	1.14	82.86	3199.91	6.81	-3.92	5.85	0.11	7.04	123.85
3300.00	1.04	92.56	3299.89	7.66	-3.84	7.74	0.21	8.64	116.38
3400.00	0.96	94.00	3399.87	8.76	-3.94	9.48	0.08	10.27	112.55
3500.00	1.05	88.81	3499.86	9.83	-3.98	11.23	0.13	11.82	109.49
3600.00	1.67	62.42	3599.83	10.56	-3.28	13.44	0.87	13.84	103.72
3700.00	2.01	55.30	3699.78	10.82	-1.61	16.18	0.41	16.25	95.68
3800.00	1.91	46.78	3799.72	10.65	0.53	18.83	0.31	18.84	88.39
3900.00	2.15	40.68	3899.66	10.01	3.09	21.27	0.32	21.49	81.72
4000.00	2.44	43.65	3999.58	9.20	6.06	23.96	0.31	24.71	75.82
4100.00	2.98	50.88	4099.46	8.68	9.24	27.45	0.64	28.96	71.40
4200.00	3.03	53.06	4199.33	8.50	12.46	31.58	0.12	33.85	68.46
4300.00	3.35	55.28	4299.17	8.53	15.72	36.09	0.34	39.36	66.47
4400.00	3.07	57.51	4399.01	8.76	18.82	40.75	0.31	44.89	65.21
4500.00	2.54	57.80	4498.89	9.07	21.44	44.88	0.53	49.74	64.47
4600.00	2.54	60.23	4598.80	9.46	23.72	48.68	0.11	54.15	64.02
4700.00	2.41	62.30	4698.70	10.01	25.80	52.47	0.16	58.47	63.82
4800.00	2.25	63.87	4798.62	10.65	27.64	56.09	0.17	62.53	63.77





# Scientific Drilling International Survey Report

Company: XTO ENERGY INC. Date: 07/12/2008 Time: 20:58:39 Page: 1  
Field: University Block 9 (Devonian) Coordinates (NAD Reference): State: Andrews County, Texas, Grid: North  
Size: Andrews County, Texas Vertical (TVD) Reference: SFE 001  
Well: University Block 9 #1-N Section (NS) Reference: Well (000N) 0.00E 143.95Az  
Wellpath: WH 405732K0505493 Survey Calculation Method: Minimum Curvature Dr: Synbase

Survey									
MD ft	Incl deg	ASIN deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	Chs deg
4900.00	2.24	63.78	4898.54	11.33	29.37	59.61	0.01	66.45	63.77
5000.00	2.31	67.38	4998.46	12.13	31.01	63.22	0.18	70.41	63.87
5100.00	2.12	68.51	5098.39	13.06	32.46	66.80	0.19	74.27	64.08
5200.00	2.09	71.80	5198.32	14.08	33.71	70.25	0.12	77.92	64.37
5300.00	2.09	75.81	5298.26	15.32	34.72	73.76	0.15	81.52	64.79
5400.00	2.11	72.39	5398.19	16.59	35.72	77.28	0.13	85.13	65.19
5500.00	1.90	74.67	5498.13	17.76	36.72	80.63	0.22	88.60	65.52
5600.00	1.72	78.42	5598.08	18.86	37.45	83.70	0.22	91.70	65.89
5700.00	1.81	79.62	5698.03	20.27	38.04	86.72	0.10	94.70	66.32
5800.00	1.74	82.09	5797.98	21.67	38.53	89.78	0.10	97.70	66.77
5900.00	1.65	95.37	5897.94	23.34	38.61	92.72	0.40	100.44	67.39
6000.00	1.62	94.64	5997.90	25.21	38.36	95.56	0.04	102.97	68.13
6100.00	1.53	100.21	6097.86	27.10	38.01	98.28	0.18	105.38	68.86
6200.00	1.39	104.90	6197.83	29.00	37.46	100.77	0.18	107.51	69.61
6300.00	1.26	107.80	6297.80	30.83	36.81	102.99	0.15	109.37	70.33
6400.00	1.09	108.03	6397.78	32.47	36.21	104.85	0.17	111.02	70.96
6500.00	0.96	108.28	6497.76	33.88	35.72	106.67	0.13	112.49	71.49
6600.00	0.85	106.34	6597.75	35.13	35.27	108.18	0.11	113.79	71.94
6700.00	0.80	91.85	6697.74	36.15	35.04	109.59	0.22	115.06	72.27
6800.00	0.73	103.89	6797.73	37.06	34.87	110.91	0.18	116.28	72.55
6900.00	0.75	103.79	6897.72	38.05	34.56	112.16	0.02	117.37	72.87
7000.00	1.51	204.94	6997.71	39.19	33.21	112.24	1.81	117.05	73.52
7100.00	1.60	186.54	7097.67	40.68	30.68	111.29	0.24	115.44	74.59
7200.00	1.70	175.45	7197.63	42.79	27.86	111.01	0.61	114.45	75.91
7300.00	1.76	168.66	7297.59	45.45	24.88	111.43	0.21	114.17	77.42
7400.00	2.01	174.58	7397.53	48.36	21.62	111.90	0.32	113.97	79.06
7500.00	2.17	188.09	7497.47	51.22	18.00	111.80	0.52	113.24	80.85
7600.00	2.09	195.08	7597.40	53.73	14.37	111.06	0.27	111.98	82.63
7700.00	2.25	189.71	7697.33	55.98	10.76	109.92	0.24	110.45	84.41
7800.00	2.37	201.70	7797.25	58.18	6.99	108.49	0.14	108.72	86.31
7900.00	2.96	203.74	7897.14	60.59	2.71	106.69	0.80	106.72	88.55
8000.00	2.97	206.48	7997.00	63.08	-1.98	104.50	0.14	104.51	91.08
8100.00	2.91	206.97	8096.87	65.43	-6.56	102.19	0.07	102.40	93.67
8200.00	3.08	205.83	8196.74	67.85	-11.24	99.87	0.18	100.50	96.42
8300.00	3.08	205.33	8296.59	70.40	-16.08	97.55	0.03	98.86	99.36
8400.00	3.37	206.42	8396.43	73.05	-21.14	95.09	0.30	97.41	102.54
8500.00	3.28	207.08	8496.26	75.70	-26.32	92.48	0.10	96.15	105.89
8600.00	2.82	206.58	8596.12	78.12	-31.07	90.08	0.46	95.28	109.03
8700.00	2.80	204.67	8696.00	80.45	-35.49	87.96	0.10	94.85	111.97
8800.00	2.43	202.56	8795.90	82.75	-39.67	86.12	0.38	94.82	114.73
8900.00	2.23	202.84	8895.82	84.86	-43.42	84.56	0.20	95.05	117.18
9000.00	2.20	202.71	8995.74	86.86	-46.98	83.06	0.03	95.43	119.49
9100.00	2.20	199.06	9095.67	88.95	-50.57	81.69	0.14	95.08	121.76
9200.00	2.00	198.66	9195.60	91.06	-54.03	80.51	0.20	96.96	123.87
9300.00	2.07	200.87	9295.54	93.05	-57.37	79.30	0.11	97.88	125.88
9400.00	2.13	195.35	9395.47	95.20	-60.85	78.17	0.21	99.06	127.80
9500.00	2.16	200.37	9495.40	97.40	-64.41	77.02	0.19	100.41	129.91
9600.00	1.82	200.77	9595.34	99.31	-67.66	75.80	0.34	101.61	131.75
9700.00	1.86	204.10	9695.29	100.99	-70.63	74.58	0.11	102.71	133.44
9800.00	1.57	207.38	9795.24	102.41	-73.33	73.28	0.31	103.67	135.02
9900.00	1.53	206.18	9895.21	103.85	-75.74	72.08	0.05	104.55	136.43
10000.00	1.55	205.74	9995.17	104.91	-78.16	70.89	0.02	105.52	137.79



# Scientific Drilling International Survey Report

Company: XTO ENERGY INC. Date: 07/12/2009 Time: 20:56:39 Page: 3  
Field: University Block 9 (Devonian) Co-ordinate (NE) Reference: Site Andrews County Texas, Grid North  
Site: Andrews County, Texas Vertical (TVD) Reference: SITE 0.0  
Well: University Block 9 #11 Section (VS) Reference: Well (0.00N 0.58E 143.98Az)  
Wellpath: VH - Job #32R0509183 Survey Calculation Method: Minimum Curvature Dr: Sybase

Survey									
MD ft	Incl deg	Alt deg	TVD ft	VS ft	NS ft	E/W ft	DLS deg/100ft	CLD ft	CGA deg
10100.00	1.49	204.15	10095.14	106.19	-80.56	69.77	0.07	106.57	139.11
10200.00	1.59	212.41	10195.10	107.35	-82.92	68.49	0.24	107.55	140.44
10300.00	1.39	216.88	10295.07	108.22	-85.07	67.03	0.23	108.30	141.76
10400.00	1.24	212.69	10395.04	108.97	-86.85	65.72	0.18	108.99	142.92
10500.00	1.21	199.52	10495.02	109.96	-88.85	64.78	0.28	109.96	143.91
10505.00	1.28	219.34	10500.02	110.01	-88.95	64.73	8.68	110.01	143.96

Texas Reg. No. 5916

# **gyro/data**

Gyrodata Incorporated  
3811 S. Co. Rd. 1285  
Odessa, TX. 79765

432/561-8458  
Fax: 432/563-7982

Date: July 21, 2009

Railroad Commission of Texas  
Oil & Gas Division  
P.O. Box 12987  
Capitol Station  
Austin, Texas 78711

Attn: Ms. Pam Johns

RE:  
XTO Energy  
University Block 9 Well No. 1N  
RRC Lease/Gas ID No. Not Assigned  
University Block 9 (Devonian)  
University Land, Abstract not assigned  
Andrews County, Texas  
API No. 42-003-05620  
CERTIFIED MAIL # 70081830000427480158

Ms. Johns,

Enclosed, please find the original and one copy of the survey performed on the referenced well by Gyrodata, Inc. (P-5 No. 339713). Other information required by your office is as follows:

Name & Title Of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Wesley Vessell Surveyor	Original Hole	10283' - 12262'	7/21/2009	Magnetic Gyroscopic

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in the case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,



Jena Tumlin  
Operations  
Enclosure

**A Gyrodata Directional Survey**

for

**XTO ENERGY INC.**

Lease: University Block 9 Well: 1 N API# 42-003-05620,  
Location: Key # 36, Gaines County, Texas

Job Number: MD0609GAS154

Run Date: 7/21/2009 9:49:40 AM

Surveyor: Wesley Vessell; Jeremy Tepe; Thomas Shotwell; Justin Moan

Calculation Method: MINIMUM CURVATURE

Survey surface coordinates obtained from: Hand Held GPS

Survey Latitude: 0.000000 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Total Magnetic: 0.00000 deg to True North

Proposed Well Direction: 274.600 deg

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference

XTO Energy Inc.  
 Lease: University Block 9 Well: 1 N AP# 42-003-05620  
 Location: Key # 36, Gaines County, Texas  
 Job Number: MD0609GAS154

A Gyrodata Directional Survey

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
10200.00	1.59	212.41	-74.9	0.00	10195.10	107.5 140.4	82.92 S 68.49 E
10263 - 12262 FT MAGNETIC MULTISHOT SURVEY							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO KEY #36							
10263.00	12.50	271.30	-67.7	18.66	10257.56	103.5 143.8	83.51 S 61.18 E
10279.00	14.80	275.30	-63.9	15.53	10273.11	101.2 145.4	83.28 S 57.41 E
10294.00	17.40	277.80	-59.8	17.94	10287.52	98.5 147.2	82.80 S 53.28 E
10310.00	19.40	278.30	-54.7	12.54	10302.70	95.2 149.5	82.09 S 48.28 E
10325.00	21.30	282.10	-49.5	15.42	10316.76	91.9 152.0	81.16 S 43.15 E
10342.00	22.00	285.40	-43.3	8.26	10332.56	87.9 155.0	79.66 S 37.06 E
10357.00	23.50	285.10	-37.6	10.03	10346.40	84.2 158.1	78.14 S 31.47 E
10373.00	23.50	286.10	-31.4	2.49	10361.07	80.5 161.7	76.42 S 25.32 E
10405.00	24.90	283.40	-18.5	5.58	10390.26	74.2 170.2	73.09 S 12.64 E
10437.00	34.10	278.60	-2.8	29.66	10418.08	70.2 182.3	70.18 S 2.82 W
10468.00	44.60	276.40	16.8	34.16	10442.02	71.2 198.2	67.66 S 22.28 W
10500.00	54.50	274.50	41.1	31.26	10462.76	80.2 215.4	65.38 S 46.49 W
10532.00	64.60	272.30	68.6	32.11	10478.96	97.7 229.2	63.78 S 74.00 W
10563.00	75.30	272.20	97.7	34.52	10489.57	120.6 238.7	62.64 S 103.05 W
10587.00	83.60	272.70	121.3	34.64	10493.96	140.8 244.0	61.63 S 126.60 W
10626.00	94.90	275.30	160.2	29.73	10494.47	175.6 250.4	58.91 S 165.44 W
10658.00	95.40	276.30	192.0	3.48	10491.60	204.9 254.2	55.69 S 197.15 W
10689.00	96.00	276.10	222.9	2.04	10488.52	233.8 257.1	52.36 S 227.81 W
10720.00	97.40	276.60	253.7	4.79	10484.90	263.0 259.3	48.95 S 258.41 W
10752.00	97.30	277.30	285.4	2.19	10480.81	293.4 261.2	45.11 S 289.91 W

A Gyrodata Directional Survey

XTO Energy Inc.  
 Lease: University Block 9 Well: 1 N API# 42-003-05620  
 Location: Key # 36, Gaines County, Texas  
 Job Number: MD0609GAS154

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg/ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
10783.00	94.80	277.80	316.1	8.22	10477.54	323.1 262.7	41.06 S 320.47 W
10815.00	93.60	278.10	348.0	3.86	10475.20	354.0 264.1	36.65 S 352.08 W
10846.00	93.10	278.40	378.9	1.88	10473.39	384.1 265.2	32.21 S 382.71 W
10878.00	92.80	278.40	410.8	0.94	10471.74	415.2 266.2	27.54 S 414.32 W
10910.00	93.00	278.40	442.7	0.63	10470.12	446.5 267.1	22.87 S 445.94 W
10941.00	92.10	278.00	473.6	3.18	10468.74	476.9 267.8	18.45 S 476.59 W
10972.00	91.90	277.50	504.5	1.74	10467.66	507.5 268.4	14.28 S 507.29 W
11004.00	93.40	277.00	536.4	4.94	10466.18	539.1 268.9	10.24 S 539.00 W
11035.00	93.10	277.00	567.4	0.97	10464.42	569.8 269.3	6.47 S 569.72 W
11067.00	93.80	276.60	599.3	2.52	10462.50	601.4 269.7	2.69 S 601.43 W
11099.00	93.50	276.40	631.2	1.13	10460.46	633.2 270.1	0.93 N 633.16 W
11130.00	92.80	276.40	662.1	2.26	10458.76	663.9 270.4	4.38 N 663.92 W
11162.00	93.00	276.40	694.1	0.63	10457.14	695.7 270.7	7.94 N 695.68 W
11193.00	92.20	276.90	725.0	3.04	10455.73	726.5 270.9	11.53 N 726.44 W
11225.00	91.60	277.20	757.0	2.10	10454.67	758.3 271.2	15.45 N 758.18 W
11256.00	90.30	277.10	787.9	4.21	10454.16	789.2 271.4	19.31 N 788.94 W
11287.00	89.30	276.90	818.9	3.29	10454.26	820.0 271.6	23.09 N 819.70 W
11319.00	89.80	276.70	850.9	1.68	10454.52	851.9 271.8	26.88 N 851.48 W
11350.00	90.70	276.50	881.9	2.97	10454.38	882.8 272.0	30.44 N 882.27 W
11381.00	90.30	276.70	912.9	1.44	10454.11	913.7 272.1	34.00 N 913.07 W
11413.00	90.20	276.60	944.8	0.44	10453.97	945.6 272.3	37.71 N 944.85 W
11443.87	91.40	277.00	975.7	4.10	10453.54	976.4 272.4	41.36 N 975.50 W
11475.00	91.30	277.10	1006.8	0.45	10452.81	1007.4 272.6	45.18 N 1006.38 W
11506.00	91.10	277.10	1037.7	0.65	10452.16	1038.3 272.7	49.01 N 1037.14 W
11538.00	91.20	277.40	1069.7	0.99	10451.51	1070.2 272.8	53.05 N 1068.88 W

XTO Energy Inc.  
 Lease: University Block 9 Well: 1 N API# 42-003-05620  
 Location: Key # 36, Gaines County, Texas  
 Job Number: MD0609GAS154

A Gyrodata Directional Survey

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg/ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
11569.00	91.30	277.70	1100.6	1.02	10450.84	1101.1 273.0	57.12 N
11601.00	91.00	277.90	1132.6	1.13	10450.20	1133.0 273.1	61.46 N
11633.00	90.70	278.10	1164.5	1.13	10449.72	1164.9 273.2	1131.30 W
11664.00	89.90	278.10	1195.5	2.58	10449.56	1195.7 273.4	65.92 N
11695.00	90.40	278.10	1226.4	1.61	10449.48	1226.6 273.5	1162.98 W
11726.00	89.40	278.00	1257.3	3.24	10449.53	1257.5 273.6	1193.67 W
11758.00	89.50	278.00	1289.3	0.31	10449.84	1289.4 273.7	74.65 N
11790.00	89.50	277.70	1321.2	0.94	10450.12	1321.4 273.8	1224.37 W
11820.00	88.90	277.60	1351.2	2.03	10450.54	1351.3 273.9	78.99 N
11852.00	88.70	277.80	1383.1	0.88	10451.21	1383.2 274.0	83.45 N
11883.00	89.10	277.80	1414.1	1.29	10451.80	1414.1 274.1	87.82 N
11915.00	88.40	277.80	1446.0	2.19	10452.50	1446.1 274.1	91.81 N
11946.00	89.90	277.10	1477.0	5.34	10452.96	1477.0 274.2	96.10 N
11977.00	90.60	277.00	1508.0	2.28	10452.82	1508.0 274.3	100.30 N
12009.00	90.60	277.00	1539.9	0.00	10452.49	1539.9 274.3	104.65 N
12040.00	90.20	277.00	1570.9	1.29	10452.27	1570.9 274.4	142.28 W
12072.00	89.90	276.80	1602.9	1.13	10452.25	1602.9 274.4	1473.02 W
12103.00	89.90	276.50	1633.8	0.97	10452.30	1633.9 274.5	1503.78 W
12135.00	89.80	276.30	1665.8	0.70	10452.38	1665.8 274.5	1535.54 W
12166.00	89.10	276.40	1696.8	2.28	10452.68	1696.8 274.5	1566.31 W
12198.00	89.20	276.30	1728.8	0.44	10453.16	1728.8 274.6	1598.08 W
12223.00	89.70	276.20	1753.8	2.04	10453.40	1753.8 274.6	1628.87 W
12262.00	89.70	276.20	1792.8	0.00	10453.60	1792.8 274.6	1660.67 W

Final Station Closure: Distance: 1792.78 ft Az: 274.64 deg.



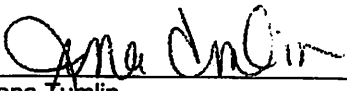
# **gyro/data**

Gyrodata Incorporated  
3811 S. Co. Rd. 1285  
Odessa, TX. 79765

432/561-8458  
Fax: 432/563-7982

State of Texas  
County of Travis

I, Jena Tumlin, certify that; I am employed by Gyrodata Inc.; that I am authorized and qualified to review the Gamma Magnetic Multishot survey from a depth of 10263 feet to a depth of 12262 feet conducted on the day(s) of 7/21/09 through 7/21/09; that this survey was conducted at the request of XTO Energy Inc. for the University Block 9 Well No. 1N API No. 42-003-05620 in Andrews County, Texas; that the data is true, correct, complete, and within the limitations of the tool as set forth by Gyrodata Inc; that I am authorized and qualified to make this report; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Gyrodata Inc.

  
\_\_\_\_\_  
Jena Tumlin  
Operations