OCD-ARTESIA

Form 3160-3 (April 2004) ———————————————————————————————————	R	-111-POTA	SH	FORM AF OMB No. Expires Ma		
DEPARTMENT OF THE BUREAU OF LAND MAI	INTERIOR	,	•	5. Lease Serial No. NMNM-0556863	3	
APPLICATION FOR PERMIT TO		REENTER		6. If Indian, Allotee o	r Tribe Name	
la, Type of work: DRILL REENI	ER .			7 If Unit or CA Agreer NM 70992×		
lb. Type of Well: ✓ Oil Well Gas Well Other	Sing	gle ZoneMulti	ole Zone	8. Lease Name and We NASH UNIT 51	ell No.	03152
2. Name of Operator XTO ENERGY INC 532	90>			9. API Well No.		ξ ,
3a. Address 200 N. LORAINE ST., STE. 800 MIDLAND, TX 79701	3b. Phone No. 432-682	(include area code) -8873		10. Field and Pool, or Ex NASH DRAW-I		
4. Location of Well (Report location clearly and in accordance with a At surface 660' FSL & 210' FWL, SEC 18, T2				11. Sec., T. R. M. or Blk	and Survey or A	trea
At proposed prod. zone 660' FSL & 340' FEL, SEC 18, T2	•			SEC 18, T23S, F	R30E, UL: M	
 Distance in miles and direction from nearest town or post office* APPROX 25 MILES EAST SOUTEAST OF CARLSBA 	D, NM			12. County or Parish EDDY	13. Sta	nte NM
Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of acr		17. Spacii 160	ng Unit dedicated to this we	11	
Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed I	980'		BIA Bond No. on file		
1. Elevations (Show whether DF, KDB, RT, GL, etc.) 3016.5'	22. Approxima	ate date work will sta 09/01/2010	rt*	23. Estimated duration 35 DAYS		
	24. Attach	ments				
The following, completed in accordance with the requirements of Onshow. Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).		4. Bond to cover t Item 20 above).5. Operator certification	he operation specific inf	nis form: ons unless covered by an ex- formation and/or plans as m	Č	•
5. Signature Chy Convoce		Printed/Typed) HIP AMROCK		D	ote 07/16/2010	
itle V SR. DRILLING ENGINEER .						
Approved by (Signature) /s/ Linda S.C. Rundell	Name (Printed/Typed)		<u></u> ∫	NOV NOV	2 2 2010
STATE DIRECTOR	Office	NM ST	ATE	OFFICE		
pplication approval does not warrant or certify that the applicant holonduct operations thereon. Onditions of approval, if any, are attached.	ds legalor equita	ble title to those righ	ts in the sul	oject lease which would ent APPROVAL		
itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a tates any false, fictitious or fraudulent statements or representations as	crime for any per	son knowingly and v	villfully to n	nake to any department or	agency of the U	nited
(Instructions on page 2)						

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Carlsbad Controlled Water Basin

RECEIVED

DEC 0 9 2010

NMOCD ARTESIA

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND AND CORECIAL STIPULATIONS
ATTACHTECHED

DRILLING PLAN: BLM COMPLIANCE (Supplement to BLM 3160-3)

XTO Energy Inc. Nash Well #51H

Projected TD: 11450 MD / TVD: 6980'

SHL: 660' FSL & 210' FWL, SECTION 18, T23S, R30E (M) BHL: 660' FSL & 340' FEL, SECTION 18, T23S, R30E (P)

Eddy County, NM

Lease #: NMNM-0556863

1. GEOLOGIC NAME OF SURFACE FORMATION:

A. Salido

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

Formation	Subsea Depth	Well Depth	Water / Oil / Gas
Rustler		302'	Water
Base of Castille		3285'	Water
Bell Canyon		3330'	Water/Oil/Gas
Cherry Canyon		4070'	Water/Oil/Gas
Top Brushy Canyon		5740'	Water/Oil/Gas
Base Brushy Canyon		6780'	Water/Oil/Gas
Brushy Canyon E5 Zone		6940'	Water/Oil/Gas
Target/Land Curve		6976'	Water/Oil/Gas
TD/MD		11450'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13-3/8" casing @ 225' and circulating cement back to surface. Potash/fresh water sands will be protected by setting 9-5/8" casing at 3250' and circulating cement to surface. The Brushy Canyon intervals will be isolated by setting 7" casing to the end of the directional curve at 7500' +/- and cementing back to surface. A 6-1/8" lateral hole will be drilled to MD/TD and 4-1/2" casing with Halliburton swell packers will be run for completion.

3. CASING PROGRAM:

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
17-1/2"	0'325' 225	13-3/8"	48#	STC	H-40	New	2.24	.96	4.56
12-1/4"	0' - 3400' 37'	ςο ^{9-5/8} "	36#	LTC	J-55	New	2.12	1.38	3.35
8-3/4"	0' - 7500'	7"	26#	LTC	HCP-110	New	2.6	1.6	2.87
6-1/8"	,7350 – / 11450'	4-1/2"	11.6#	LTC	P-110	New	2.77	1.96	4.73

See COA

WELLHEAD:

- A. Starting head: 13-5/8" 3000 psi top flange x 13-3/8" SOW bottom (to be removed upon setting intermediate casing)
- B. Lower casing head: 11" 3000 psi top flange x 9-5/8" SOW bottom
- C. Casing hanger 11" bowl x 7" casing
- D. 'B' Section / Tubing spool: 11" 3000 psi bottom flange x 7-1/16" 5000 psi top flange

4. CEMENT PROGRAM: (Note yields and DV tool depts. If multiple stages)

A. Surface Casing: 13-3/8", 48#, NEW H-40, STC casing to be set at $\pm \frac{325}{225}$.225 See COA

500 sx HalCem-C + 2% CaCl (14.80 ppg, 1.35 cu ft/sx, 6.39gal/sx wtr)

Compr Strengths: 12 hr -900 psi 24 hr - 1500 psi

***All volumes 100% excess. Cement to surface.

In the event that loss circulation is encountered while drilling the surface hole (i.e. Nash #39H, #40H, #41H), an alternate cementing procedure will be to pump 150 sx Thixotropic + 10 pps CalSeal + 10 pps Gilsonite + 2% CaCl (14 ppg, 1.7 cu ft/sx) Compr Strengths 24 hr - 651 psi 48 hr - 847 psi followed by 200 sx HalCem C + 2% CaCl (properties above) Run temp survey to locate top of cement, top out with 1" to surface with the required amount of "Thixotropic" cement. These events and procedures to be coordinated and communicated with the designated BLM representative.

B. 1ST Interm. Casing: 9-5/8",36#, NEW J-55, LTC casing to be set at $\pm 3400^2$. 3250' $\sec COA$

Stage 1:

Lead: 20 bbls FW, then 900 sx EconoCem-HLC + 5% salt (mixed at 12.8 ppg, 1.92 ft^3 /sk, 10.44 gal/sx wtr) Compr Strengths 12 hr – 319 psi 24 hr – 653 psi

Tail: 250 sx HalCem-C + 1% CaCl (mixed at 14.8 ppg, 1.34 ft³/sk, 6.36 gal/sx wtr) Compr Strengths: 12 hr – 900 psi 24 hr – 1500 psi ***All volumes 100% excess. Cement to surface.

C. 2nd Interm. Casing: 7", 26#, NEW HCP-110, LTC casing to be set at \pm 7500' w/DVT @ 5500'

Stage 1:

Lead: 650 sx CorossaCem-H + 0.5% LAP-1 + 0.1% HR-800 + 5 lb/sx Gilsonite (14.4ppg, 1.23 cuft/sx, 5.18 gal/sx wtr). Compr Strengths: 24 hr - 681 psi 48 hr - 1561 psi.

Tail (Csg Shoe Cmt): 150 sx HalCem-H + .5% LAP-1 + .25% CFR-3 + 5 pps Gilsonite + .25 lb/sx D-air 3000 (15.8 ppg, 1.17 cuft/sx, 4.58 gal/sx Compr Strengths - 24 hr - 2203 psi 48 hr - 2788 psi *** Cement to 5500'.

Stage 2: (thru DV Tool @ 5500' up to base of water flow area around 4000')

Lead: 100 sx EconoCem HLC + 5% Salt (mixed at 12.8 ppg, 1.92 cuft/sx, 10.44 gal/sx wtr) Compr Strengths: 12 hr - 444 psi 24 hr - 755 psi

Tail: 150 sx HalCem C (mixed at 14.8 ppg, 1.33 cuft/sx, 6.34 gal/sx wtr)

Compr Strengths: 12 hr - 1404 psi 24 hr - 1909 psi

Cement to be pumped down the 7" x 9-5/8" annulus to eliminate and isolate the water flow area – cement to fill from 4000' to surface.

Lead: 500 sx EconoCem HLC + 5% Salt (mixed at 12.8 ppg, 1.92 cuft/sx, 10.44 gal/sx wtr) Compr Strengths: 12 hr - 444 psi 24 hr - 755 psi

Tail: 50 sx HalCem C (mixed at 14.8 ppg, 1.33 cuft/sx, 6.34 gal/sx wtr)

Compr Strengths: 12 hr - 1404 psi 24 hr - 1909 psi *** Cement to Surface.

5. PRESSURE CONTROL EQUIPMENT:

The blow out preventer equipment (BOP) for this well consists of two groups of mechanical pressure equipment -1 a 13-5/8" 3M Hydril and 2) an 11" 5M double ram BOP with Hydril and manifold.

The 13-5/8" 3M Hydril wil be rigged up on the 13-3/8" surface casing and utilized while drilling the 12-1/4" hole to 3400'. This Hydril will be tested to 1500 psi . Once the 9-5/8" casing is cemented, the 13-5/8" 3M Hydril will be removed and a 11" 3M x 9-5/8" bradenhead flange will be installed. The 11" 5M BOP & equipment will then be nippled up and tested. With the 11" 3M bradenhead flange being the limiting factor, the 11" 5M BOP will be tested to 3000 psi. The 3000 psi test pressure is sufficient for this well with formation pressures of 2500 psi or less. The 11" 5M BOP diagram is attached.

6. PROPOSED MUD CIRCULATION SYSTEM:

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' to 325' 225'	17-1/2"	FW/Native	8.5-8.8	35-40	NC
280, to 3400, +/-	12-1/4"	Brine/Gel Sweeps	9.8-10.2	30-32	NC
3250 3250 3250	8-3/4"	Cut Brine/ Poly-Sweeps	9.2-9.6	29-32	NC-30
7500' to 11450'	6-1/8"	Cut Brine/Poly- Starch	8.6-9	32-38	NC -30

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 13-3/8" surface casing with brine solution. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Use available solids controls equipment to help keep mud weight down after mud up. Rig up Dynamic Energy Systems' solids control equipment to operate as a closed loop system.

7. 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.
- C. H2S monitors will be on location when drilling the 12-1/4" hole.

8. LOGGING, CORING AND TESTING PROGRAM:

See

COA

A. Mud Logger: Suttles Mud Logging Unit (2 man) on @ 6000'. Catch 10' samples from 6000' to 11450' (TD/MD). Send 1 set of dry samples to Midland Sample Library.

9. ABNORMAL PRESSURES AND TEMPERATURES / POTENTIAL HAZARDS:

None anticipated. Max bottom hole pressure should not exceed 2500psi. BHT of 175 F is anticipated.

H2S can be present from 4600 – TD. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

A. Road and location construction will begin after Santa Fe & BLM has approved APD. Anticipated spud date will be as soon after Santa Fe and BLM approval and as soon as rig will be available. Move in operations and drilling is expected to take 40 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.

11. SPECIAL INSTRUCTIONS:

- A. Reports should be filled out on the XTO Drilling Report form, and the Casing/Cementing Detail Forms provided.
- B. Deviation:

Surface Hole: Maximum of 1° and not more than 1° change per 100'.

Intermediate Hole: Maximum of 4° and not more than 1.5° change per 100'.

Production hole: Maximum of 6° and not more than 1.5° change per 100'.

Note: Maximum distance between surveys is 500'.

- C. WOC a minimum of 12 hours before drilling out shoe joint on surface and intermediate casing strings. Use minimal WOB and RPM until drill collars are below the shoe joints.
- D. Check BOP blind rams each trip and pipe rams each day. Strap out of hole for logging and/or casing jobs.
- E. A trash trailer will be provided on each location. Keep trash picked up and the location as clean as possible. All drilling line, oil filters, etc. should be hauled away at the Drilling Contractor's expense. At the conclusion of drilling operations, the contents of the trash trailer will be disposed of into a commercial sanitary landfill.
- F. The reserve pits should be lined with a plastic liner in order to contain the drill cuttings and drilling fluids. At the conclusion of the drilling operations, all re-usable drilling fluid should be moved to the next well in the drilling order.



Planned Wellpath Report Prelim_1 Page 1 of 4



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Operator	XTO Energy	Inc.				Slot	No. 51H SHL			
Area	Eddy County,	, NM				Well	No. 51H			
Field	(Nash) Sec 18	, T23S, R30E				Wellborc	No. 51H PWB			-
Facility	Nash Unit No	. 51H								
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Projection S	ystem	NAD27 / TM	New Mexico	State Planes,	Eastern Zone (3001),	US feet	Software Sys	tem	WellArchitect®	2.0
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Convergence	e at slot	0.22° East					Database/Sou		<u> </u>	o51H_PWB.xml
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13/415/36/13/55/04/56/6	Mara Peranggan Beratahan	TREEL CONTRACTOR OF THE STATE								
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Slot Location			North[ft]	East[ft]	Easting[USft]	No	rthing[USft]		ititude	Longitude
Slot Location					Easting[USft] 625092.10	No	rthing[USft] 472886.30	32°17	titude '57.954"N	Longitude : 103°55'42.542"W
Facility Refe	erence Pt		North[ft]	East[ft]	Easting[USft] 625092.10 625092.10	No	rthing[USft] 472886.30 472886.30	32°17 32°17	ititude '57.954"N '57.954"N	Longitude 103°55'42.542"W 103°55'42.542"W
	erence Pt		North[ft]	East[ft]	Easting[USft] 625092.10	No	rthing[USft] 472886.30	32°17 32°17	titude '57.954"N	Longitude : 103°55'42.542"W
Facility Refe Field Referen	erence Pt nce Pt		North[ft]	East[ft]	Easting[USft] 625092.10 625092.10	No	rthing[USft] 472886.30 472886.30	32°17 32°17	ititude '57.954"N '57.954"N	Longitude 103°55'42.542"W 103°55'42.542"W
Facility Reference	erence PI nce Pi		North[ft] 0.00	East[ft] 0.00	Easting[USft] 625092.10 625092.10	No	rthing[USft] 472886.30 472886.30 472886.30	32°17 32°17 32°17	ititude '57.954"N '57.954"N	Longitude 103°55'42.542"W 103°55'42.542"W 103°55'42.542"W
Facility Refe Field Referen	erence Pt nce Pt nce Pt nethod	Min	North[ft]	East[ft] 0.00	Easting[USft] 625092.10 625092.10	No A Rig on N	rthing[USft] 472886.30 472886.30 472886.30 472886.30 o. 51H SHL (KB) to	32°17 32°17 32°17	ntitude '57.954"N '57.954"N '57.954"N	Longitude 103°55'42.542"W 103°55'42.542"W 103°55'42.542"W 32.00ft
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Facility Refe Field Referen	erence Pt nce Pt method leference Pt erence Pt	Min SL Rig	North[ft] 0.00	East[ft] 0.00 ture SHL (KB)	Easting[USft] 625092.10 625092.10	No Rig on N Rig on N	rthing[USft] 472886.30 472886.30 472886.30 6. 51H SHL (KB) to 6. 51H SHL (KB) to d Line (Facility)	32°17 32°17 32°17	ntitude '57.954"N '57.954"N '57.954"N	Longitude 103°55'42.542"W 103°55'42.542"W 103°55'42.542"W 32.00ft



Planned Wellpath Report Prelim_1 Page 2 of 4



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Operator	XTO Energy Inc.	Slot	No. 51H SHL
Area	Eddy County, NM	Well	No. 51H
Field	(Nash) Sec 18, T23S, R30E	Wellbore	No. 51H PWB
Facility	Nash Unit No. 51H		

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MD [ft]	Inclination [°]	Azimuth · [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [*/100ft]	Comments
0.00	0.000	89.875	0.00	0.00	0.00	0.00	625092.10	472886.30	32°17'57.954"N	103°55'42,542"W		Tie On
302.00†	0.000	89.875	302.00	0.00	0.00	0.00	625092.10	472886.30	32°17′57.954″N	103°55'42.542"W	0.00	Rustler / Salado
285.00†	0.000	89.875	3285.00	0.00	0.00	0.00	625092.10	472886.30	32°17'57.954"N	103°55'42.542"W	0.00	Base Castile
330.00†	0.000	89.875	3330.00	0.00	0.00	0.00	625092.10	472886.30	32°17'57.954"N	103°55'42.542"W	0.00	Bell Canyon
070.00†	0.000	89.875	4070.00	0.00	0.00	0.00	625092.10	472886.30	32°17'57.954"N	103°55'42,542"W	0.00	Cherry Canyon
740.00†	0,000	89.875	5740.00	0.00	0.00	0.00	625092.10	472886.30	32°17'57.954"N	103°55'42.542"W	0.00	Brushy Canyon
168.00	0.000	89.875	6168.00	0.00	0.00	0.00	625092.10	472886.30	32°17'57.954"N	103°55'42.542"W	0.00	EST. KOP
268.00†	7.000	89.875	6267.75	6.10	0.01	6.10	625098.20	472886.31	32°17'57.954"N	103°55'42.471"W	7.00	
368.00†	14.000	89.875	6366.02	24.31	0.05	24.31	625116.41	472886.35	32°17'57.954"N	103°55'42.258"W	7.00	
468.00†	21,000	89.875	6461.33	54.37	0.12	54.37	625146.46	472886.42	32°17'57.953"N	103°55'41.908"W	7.00	
568.00†	28.000	89.875	6552.27	95.81	0.21	95.81	625187.90	472886.51	32°17'57.953"N	103°55'41,425"W	7.00	j disembany, mening disemban T
368.00†	35.000	89.875	6637.48	148.03	0.32	148.03	625240,11	472886.62	32°17'57.952"N	103°55'40.817"W	7.00	e per en transcer e ex en est anne en ellement en en elle E
768.001	42.000	89.875	6715.69	210.24	0.46	210.24	625302.32	472886,76	32°17'57.951"N	103°55'40.092"W	7.00	:
359.31†	48.391.	89.875	6780.0U	274.99	0.60	274,99	625367.07	472886.90	32°17'57.950"N	103"55'39.338"W	7.00	Basal Brushy Canyon
868.00†	49.000	89.875	6785.74	281.52	0.61	281.52	625373.60	472886.91	32°17'57.950"N	103°55'39.262"W	7.00	
768.00	56.000	89.875	6846.58	360.81	0.79	360.80	625452.88	472887.09	32°17'57.949"N	103°55'38.338"W	7.00	1
100.860	63.000	89.875	6897.30	446.91	0.98	446.91	625538.98	472887.28	32°17'57.947"N	103°55'37.335"W	7.00	
168.00†	70.000;	89.875	6937.15	538.56	1.18	538.56	625630.62	472887.48	32°17'57.946"N	103°55'36.267"W	7.00	
176.46†	70.592	89.875	6940.00	546.52	1.19	546.52	625638.58	472887.49	32°17'57.946"N	103°55'36.175"W	7.00	Brushy Canyon E5 Zone
268.00†	77.000	89.875	6965.53	634.39	1.38	634.38	625726.44	472887.68	32°17'57.944"N	103°55'35.151"W	7.00	特别从你把手 在上层
168.00†	84.000	89.875	6982.03	732.95	1.60	732.95	625825.00	472887.90	32°17'57.943"N	103°55'34.003"W	7.00	
133.78	88.605	89.875	6986.27	798.58	1.74	798.58	625890.62	472888.04	32°17'57.942"N	103°55'33.238"W	7.00	END OF CURVE
468.001	88.605	89.875	6987.10	832.79	1.82	832.79	625924.82	472888.12	32°17'57.941"N	103°55'32.840"W	0.00	,m.,
568.00†,	88.605	89.875	6989.54	932.76	2.04	932.76	626024.79	472888.34	32°17'57.939"N	103°55'31.675"W	0.00	
68.00†	88.605	89.875	6991.97	1032.73	2.25	1032.73	626124.75	472888.55	32°17'57.938"N	103°55'30.510"W	0.00	
768.001	88.605	89.875	6994.41	1132.70	2.47	1132.70	626224.71	472888.77	32°17'57.936"N	103°55'29.346"W	0.00	
68.00†	88.605	89.875	6996.84	1232.67	2.69	1232.67	626324.67	472888.99	32°17'57.935"N	103°55'28.181"W	0.00	
68.00†	88.605	89.875	6999.28	1332.64	2.91	1332.64	626424.64	472889.21	32°17'57.933"N	103°55'27.016"W	0.00	
100.860	88.605	89.875	7001.71	1432.61	3.13	1432.61	626524.60	472889.43	32°17'57.931"N	103°55'25.852"W	0.00	
68.00†	88,605	89.875	7004.15	1532.58	3.35	1532.58	626624.56	472889.65	32°17'57.930"N	103°55'24.687"W	0.00	kum Studyn i i i i kale



Planned Wellpath Report Prelim_1 Page 3 of 4



Operator	XTO Energy Inc.	Slot	No. 51H SHL
Area	Eddy County, NM	Well	No. 51H
Field	(Nash) Sec 18, T23S, R30E	Wellbore	No. 51H PWB
Facility	Nash Unit No. 51H		

WEL	LPATH	DATA (63 s	stations)	† = interp	olated/exti	apolate	d station	.B.M. (197					
	MD :	Inclination	Azimuth	TVD	Vert Sect	North	Enst	Grid East	Grid North	Latitude	Longitude		Comments
	[ft]	[°]	[°]	[ft]	[tt]	[ft]	[ft]	[srv ft]	[srv ft]			[°/100ft]	
	8268.00†	88.605	89.875	7006,58	1632.55	3.56	1632.55	626724.53	472889.86	32°17′57.928"N	103°55'23.522"W	0.00	ļ
	8368.00†	88.605	89.875	7009.02	1732,52	3.78	1732.52	626824.49	472890.08	32°17'57.927"N	103°55'22.358"W	0.00	
	8468.00†	88.605	89.875	7011.45	1832.49	4.00	1832.49	626924.45	472890.30	32°17'57.925"N	103°55'21.193"W	0.00	l
	8568.00†	88.605	89.875	7013.89	1932.46	4.22	1932.46	627024.41	472890.52	32°17'57.923"N	103°55'20,028"W	0.00	
	8668.00†	88.605	89.875	7016.32	2032:43	4.44	2032.43	627124.38	472890.74	32°17'57.922"N	103°55'18.864"W	0.00	NA GARAGA
	8768.00†	88.605	89.875	7018.76	2132.40	4.65	2132.40	627224.34	472890,95	32°17'57.920"N	103°55'17.699"W	0.00	
	100.8888	88.605	89.875	7021.19	2232.37	4.87	2232.37	627324.30	472891.17	32°17′57.918"N	103°55′16,534″W	0.00	O 4
	8968.001	88.605	89.875	7023.63	2332.34	5.09	2332.34	627424.26	472891.39	32°17'57.917"N	103°55'15,370"W	0.00	
	9068.00†	88.605	89.875	7026.06	2432.31	5.31	2432.31	627524.23	472891.61	32°17'57.915"N	103°55'14.205"W	0.00	
3 - 53	9168.00†	88.605	89.875	7028.50	2532.28	5.53	2532.28	627624.19	472891.83	32°17'57.913"N	103°55'13.040"W	0.00	
	9268.00†	88.605	89.875	7030.93	2632.25	5.75 :	2632.25	627724.15	472892.05	32°17'57.912"N	103°55'11.876"W	0.00	1
	9368.00†	88.605	89.875	7033.37	2732.23	5.96	2732.22	627824.11	472892.26	32°17′57.910″N	103°55'10.711"W	0.00	
	9468.00†	88.605	89.875	7035.80	2832.20	6.18	2832.19	627924.08	472892.48	32°17'57.908"N	103°55'09.547"W	0.00	į
	9568.00†	88.605	89.875	7038.24	2932.17	6.40	2932.16	628024.04	472892.70	32°17'57.907"N	103°55'08.382"W	0.00	[
	9668.00†	88.605	89.875	7040.67	3032.14	6.62	3032.13	628124.00	472892.92	32°17'57.905"N	103°55'07.217"W	0.00	
	9768.00†	88.605	89.875	7043.11	3132.11	6.84	3132.10	628223.96	472893.14	32°17'57.903"N	103°55'06.053"W	0.00	:
	9868.00†	88.605	89.875	7045.55	3232.08	7.05	3232.07	628323.93	472893.35	32°17'57.902"N	103°55'04.888"W	0.00	: !
	9968.00†	88.605	89.875	7047.98	3332.05	7.27	3332.04	628423.89	472893.57	32°17'57,900"N	103°55'03.723"W	0.00	1
- ; I	0068.00†	88.605	89.875	7050.42	3432.02	7.49	3432.01	628523.85	472893.79	32°17'57.898"N	103°55'02.559"W	0.00	
1	0168.00†	88.605	89.875	7052.85	3531.99	7.71	3531.98	628623.81	472894.01	32°17'57.897"N	103°55'01.394"W	0.00	
: 1	0268.00†	88.605	89.875	7055.29	3631.96	7.93 -	3631.95	628723.78	472894.23	32°17'57.895"N	103°55'00.229"W	0.00	
, 1	0368.00†	88.605	89.875	7057.72	3731.93	8.15	3731.92	628823.74	472894.45	32°17'57.893"N	103°54'59.065"W	0.00	
1	0468.00†	88.605	89.875	7060.16	3831.90	8.36	3831.89	628923.70	472894.66	32°17'57.892"N	103°54'57.900"W	0.00	:
	0568,00†	88.605	89.875	7062.59	3931.87	8.58	3931.86	629023.67	472894.88	32°17'57.890"N	103°54'56.735"W	0.00	
	0668.00†	88.605	89.875	7065.03	4031.84	8.80	4031.83	629123.63	472895.10	32°17'57.888"N	103°54'55.571"W	0.00	
1	0768.00†	88.605	89.875	7067.46	4131.81	9.02	4131.80	629223.59	472895.32	32°17'57.887"N	103°54'54.406"W	0.00	
1	0868.00†.	88.605	89.875	7069.90	4231.78	9.24	4231.77	629323.55	472895.54	32°17'57.885"N	103°54'53.241"W	0.00	<u> </u>
	0968.00†	88.605	89.875	7072.33	4331.75	9.46	4331.74	629423.52	472895.75	32°17'57.883"N	103°54'52.077"W	0.00	ļ
	1068.00†	88.605	89.875	7074.77	4431.72	9.67	4431.71	629523.48	472895.97	32°17'57.882"N	103°54'50.912"W	0.00	1
- i - i - j.	1168.00†	88.605	89.875	7077.20	4531.69	9.89	4531.68	629623.44	472896.19	32°17'57.880"N	103°54'49.747"W	0.00	refree of the f

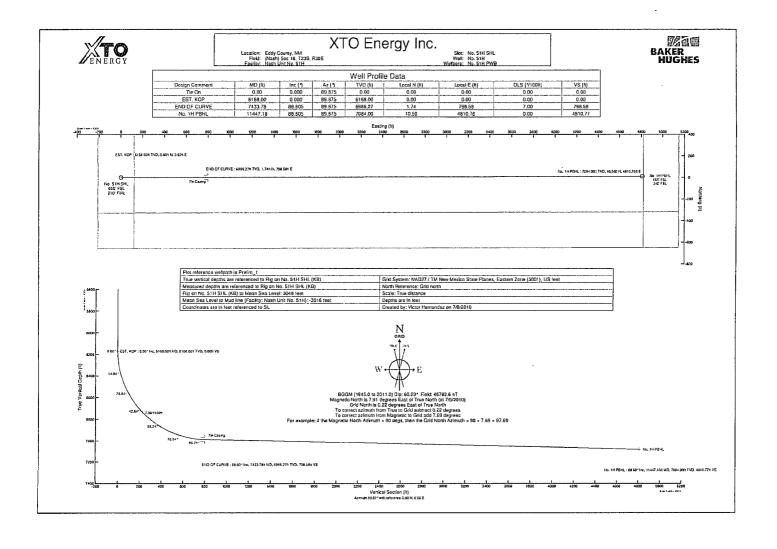


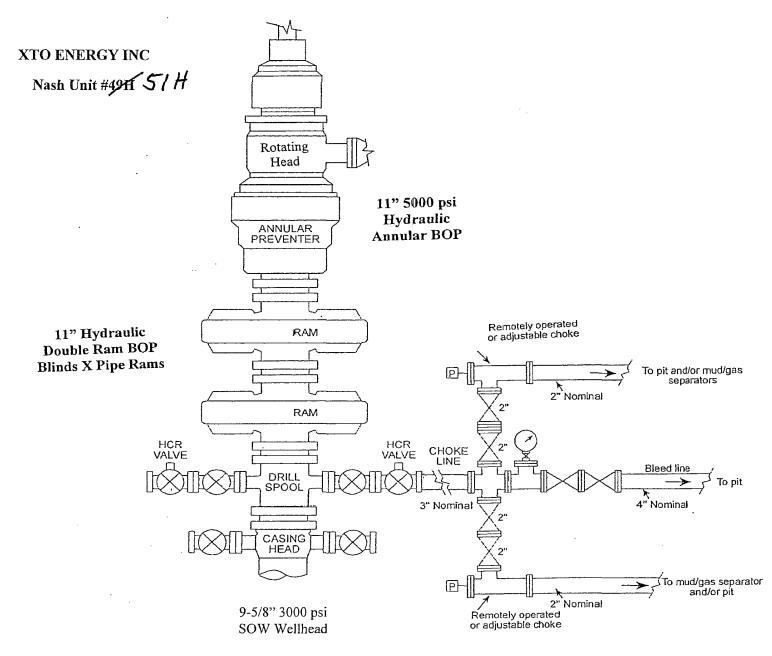
Planned Wellpath Report Prelim_1 Page 4 of 4





Operator XTO Ener	gy Inc.					Slot	No	o. 51H SH	Œ				
Area Eddy Cour	ıty, NM					Well	Ne	o. 51H				,,,,	
ield (Nash) Sec	18, T23S, R	30E				Wellboi	re No	o. 51H PW	VВ				
acility Nash Unit	No. 51H				etasta variatiga a gitti i			surviva agripa, sur sur sur s		W 18 2 1 1 2 2			
											eg job in		e
VELLPATH DATA MD Inclinatio	Committee of the commit		rpolated/ex Vert Sect	trapolate North	d station East	Grid East	Grid North	. , laku	Latitude		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	DLS	Comments
[ft] [°]	[°]	[ft]	[ft]	[ft]	[ft]	[srv ft]	[srv ft]		Latitude	:	Longitude	[%100n]	Comments
11268.00† 88.				T. Berry Principles Co. C. C.	4631.65	629723.40	472896.4		32°17'57.		103°54'48.583		
11368.00† 88.		~ 1			4731.62	629823.37	472896.6		32°17'57.	man cannot be a second	103°54'47.418	The state of the state of the state of	organism and a second
11447.16 88.	605 89.8	75 7084.0) ¹ 4810.77	10.50	4810.76	629902.50	472896.	80	32°17'57	.875"N	103°54'46.49	6''W 0.00	No. 1H PBHL
ring/Diameter		Start MD	End M	D .	Interval	Start TVD	End	TVD	Stort	N/S	Start E/W	End N/S	End E/W
ring/Diameter		Start MD [ft]	End M [ft]	D	Interval [ft]	Start TVD [ft]		TVD ft]	Start [fi		Start E/W [ft]	End N/S [ft]	End E/W [ft]
75in Open Hole	:	[ft] 6168.0	[ft] 0 74	133.00	[ft] 1265.00	[ft] 6168	.00	ft] 6986.25		0.00	[ft] 0.00	[ft] 1.7-	[it] 4 797
75in Open Hole		[ft] 6168.0 0.0	[ft] 0 74 0 74	133.00 133.00	[ft] 1265.00 7433.00	[ft] 6168	[1	ft] 6986.25 6986.25		1]	[ft]	[ft]	[[ft] 4 797
tring/Diameter .75in Open Hole in Casing .125in Open Hole		[ft] 6168.0	[ft] 0 74 0 74	133.00	[ft] 1265.00	[ft] 6168	.00 .00	ft] 6986.25		0.00	[ft] 0.00	[ft] 1.7-	[ľt] 4 797. 4 797.
.75in Open Hole in Casing		[ft] 6168.0 0.0	[ft] 0 74 0 74	133.00 133.00	[ft] 1265.00 7433.00	[ft] 6168 0	.00 .00	ft] 6986.25 6986.25		0.00 0.00	[ft] 0.00 0.00	[ft] 1.7- 1.7-	[l't] 4 797. 4 797.
.75in Open Hole in Casing .125in Open Hole 'ARGETS		[ft] 6168.0 0.0	[ft] 0 74 0 74	133.00 133.00	[ft] 1265.00 7433.00	[ft] 6168 0 6986	.00 .00	ft] 6986.25 6986.25	[fi	0.00 0.00 1.74	[ft] 0.00 0.00	[ft] 1.7- 1.7-	[ft] 4 797. 4 797. 0 4810.
.75in Open Hole in Casing .125in Open Hole		[ft] 6168.0 0.0 7433.0	[[tt]] 0 74 0 72 0 114 MD	133.00 133.00 147.16	[ft] 1265.00 7433.00 4014.16 North [ft]	[ft] 6168 0 6986		6986.25 6986.25 7084.00 Grid No	[fi	0.00 0.00 1.74 Lati	[n] 0.00 0.00 797.80	[ft] 1.7- 1.7- 10.50 Longitude	[ft] 4 797 4 797 0 4810
75in Open Hole in Casing 125in Open Hole ARGETS ame		[ft] 6168.0 0.0 7433.0	[[t]] 0, 72 0 72 0 114 MD [[t]]	133.00 133.00 147.16 TVD [ft]	[ft] 1265.00 7433.00 4014.16 North [ft]	[ft] 6168 0 6986		6986.25 6986.25 7084.00 Grid No	[fi	0.00 0.00 1.74 Lati	[ft] 0.00 0.00 797.80	[ft] 1.7- 1.7- 10.50 Longitude	[ft] 4 797 4 797 0 4810
75in Open Hole n Casing 125in Open Hole ARGETS une No. 1H PBHL URVEY PROGRAM		[ft] 6168.0 0.0 7433.0	(ft) 0, 74 0 72 0 114 0 1144 11447.16	133.00 133.00 147.16 TVD [ft] 7084.00	[ft] 1265.00 7433.00 4014.16 North [ft] 10.50	[tt] 6168 0 6986 East G [tt] 4810.76		6986.25 6986.25 7084.00 Grid No [srv f	[fi	0.00 0.00 1.74 Lati	[ft] 0.00 0.00 797.80 tude	[ft] 1.7- 1.7- 10.5 Longitude 103°54'44	[ft] 4 797 4 797 0 4810 Shap
.75in Open Hole in Casing .125in Open Hole	4 Ref Well End MD [ft]	[ft] 6168.0 0.0 7433.0	(ft) 0, 74 0 72 0 114 0 1144 11447.16	133.00 133.00 147.16 TVD [ft] 7084.00	[ft] 1265.00 7433.00 4014.16 North [ft] 10.50	[tt] 6168 0 6986 East G [tt] 4810.76		6986.25 6986.25 7084.00 Grid No [srv f	[fi	0.00 0.00 1.74 Lati	[ft] 0.00 0.00 797.80 tude	[ft] 1.7- 1.7- 10.5 Longitude 103°54'44	[ft] 4 797 4 797 0 4810





5000 psi Working Pressure BOPE Configuration and Choke Manifold