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Carlsbad Field Office
OCD Hobbs

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MAY 23 2018
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Form 3160-3
(March 2012)

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM016353

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No. (315311)
OUTRIDER FEDERAL 2H

2. Name of Operator
XTO ENERGY INCORPORATED (5380)

9. API Well No.
30-025-44818

3a. Address
810 Houston St. Ft. Worth TX 76102

3b. Phone No. (include area code)
(432)620-6700

10. Field and Pool, or Exploratory (97899)
Wildcat BONE SPRING

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface SESW / 274 FSL / 1980 FWL / LAT 32.181993 / LONG -103.681756
At proposed prod. zone NENW / 200 FNL / 1980 FWL / LAT 32.209719 / LONG -103.681807

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 28 / T24S / R32E / NMP

14. Distance in miles and direction from nearest town or post office*

12. County or Parish
LEA

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 274 feet	16. No. of acres in lease 1720	17. Spacing Unit dedicated to this well 320
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1320 feet	19. Proposed Depth 10802 feet / 20642 feet	20. BLM/BIA Bond No. on file FED: COB000050
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3526 feet	22. Approximate date work will start* 05/01/2018	23. Estimated duration 90 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature (Electronic Submission)	Name (Printed/Typed) Stephanie Rabadue / Ph: (432)620-6714	Date 01/01/2018
Title Regulatory Compliance Analyst		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 05/16/2018
Title Supervisor Multiple Resources	Office CARLSBAD	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)
GCP Rec 5/23/18

*(Instructions on page 2)
KZ 05/24/18

APPROVED WITH CONDITIONS
Approval Date: 05/16/2018

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

AFMSS

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Application Data Report
05/16/2018

APD ID: 10400025935
Submission Date: 01/01/2018
Operator Name: XTO ENERGY INCORPORATED
Well Name: OUTRIDER FEDERAL
Well Number: 2H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400025935
Tie to previous NOS?
Submission Date: 01/01/2018
BLM Office: CARLSBAD
User: Stephanie Rabadue
Title: Regulatory Compliance Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM016353
Lease Acres: 1720
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? NO
Permitting Agent? NO
APD Operator: XTO ENERGY INCORPORATED
Operator letter of designation: Outrider_Fed_Op_Rights_20180101082812.pdf

Operator Info

Operator Organization Name: XTO ENERGY INCORPORATED
Operator Address: 810 Houston St.
Zip: 76102
Operator PO Box:
Operator City: Ft. Worth
State: TX
Operator Phone: (432)620-6700
Operator Internet Address: Richard_redus@xtoenergy.com

Section 2 - Well Information

Well in Master Development Plan? NO
Mater Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: OUTRIDER FEDERAL
Well Number: 2H
Well API Number:
Field/Pool or Exploratory? Exploratory
Field Name: WILDCAT
Pool Name:
Is the proposed well in an area containing other mineral resources? USEABLE WATER

Stephanie Rabadue
Regulatory Analyst
XTO Energy Inc.
500 W. Illinois St Ste 100
Midland, Texas 79701
(432) 620-6714
stephanie_rabadue@xtoenergy.com

December 29, 2017

Bureau of Land Management
Carlsbad Field Office
620 E. Greene Street
Carlsbad, NM 88220

RE: Operating Agreement/Rights for Outrider Federal 1H, 2H, 3H, 4H

To Whom It May Concern:

This is to hereby certify that XTO Energy, Inc. is has operating rights over leases: NMNM016353 and NMNM029694 through acreage trades and acquisitions.

Sincerely,

Stephanie Rabadue

Stephanie Rabadue
Regulatory Analyst
XTO Energy, Inc

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Outrider_Fed_3MCM_20180101084452.pdf

Outrider_Fed_3MBOP_20180101084459.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1100	0	1100			1100	H-40	48	STC	1.53	2.31	DRY	6.1	DRY	6.1
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4525	0	4525			4525	J-55	36	LTC	1.19	2	DRY	2.78	DRY	2.78
3	PRODUCTION	8.75	5.5	NEW	API	N	0	20642	0	10802			20642	P-110	17	BUTT	1.48	1.12	DRY	1.62	DRY	1.62

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Outrider_Fed_2H_Csg_20180101094102.pdf

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Casing Attachments

Casing ID: 2 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Outrider_Fed_2H_Csg_20180101094110.pdf

Casing ID: 3 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Outrider_Fed_2H_Csg_20180101094119.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	661	661	1.68	13.7	1110.48	100	ExtendaCem-CZ	None
SURFACE	Tail				308	1.35	14.8	415.8	100	HalCem-C	2% CaCl
INTERMEDIATE	Lead		0	4525	1341	1.88	12.9	2521.08	100	EconoCem-HLC	5% salt + 5 lbm/sk Kol-Seal
INTERMEDIATE	Tail				235	1.33	14.8	312.55	100	Halcem-C	none
PRODUCTION	Lead		0	20642	653	2.69	10.5	1756.57	30	Tuned Light	0.5 lbm/sk CFR-3 + 1.5 lbm/sk salt + 0.1%

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
											HR601
PRODUCTION	Tail				2297	1.61	13.2	3698.17	30	VersaCem PBHS2	0.5% LAP-1 + 0.25 lbm/sk D-air 5000 + 0.2% HR 601 + 0.4% CFR-3 + 1 pps Salt

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: The necessary mud products for weight addition and fluid loss control will be on location at all times.

Describe the mud monitoring system utilized: A Pason or Totco will be used to detect changes in loss or gain of mud volume.

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
4525	20642	OTHER : FW /Cut Brine/Poly-Sweeps	8.6	9							A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system
0	1100	OTHER : FW/Native	8.4	8.8							A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
											help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system
1100	4525	OTHER : Brine/Gel Sweeps	9.8	10.2							A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Open hole logging to include Density/Neutron/PE/Dual Laterlog/Spectral Gamma from kick-off point to intermediate casing shoe.

List of open and cased hole logs run in the well:

CBL,CNL,DS,GR,MUDLOG

Coring operation description for the well:

No coring will take place on this well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5055 **Anticipated Surface Pressure:** 2694.62

Anticipated Bottom Hole Temperature(F): 160

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Potential loss of circulation through the Capitan Reef.

Contingency Plans geoharzards description:

The necessary mud products for weight addition and fluid loss control will be on location at all times.A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system. 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.

Contingency Plans geohazards attachment:

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Outrider_Fed_H2S_Plan_20180101084525.pdf

Outrider_Fed_2H_H2S_Dia_20180101094456.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Outrider_Fed_2H_DD_20180101094520.pdf

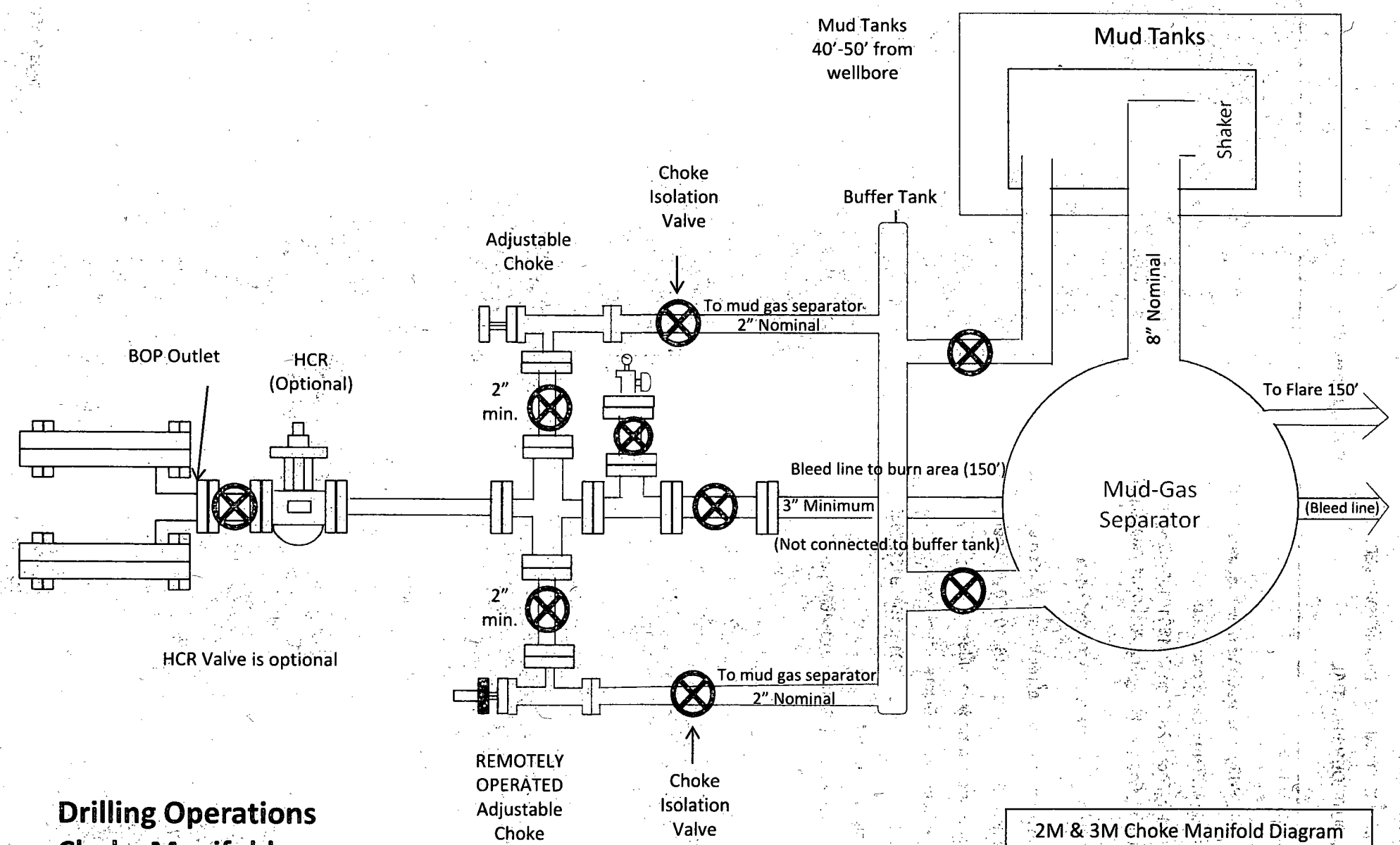
Other proposed operations facets description:

Other proposed operations facets attachment:

Outrider_Fed_2H_GCP_20180101094527.pdf

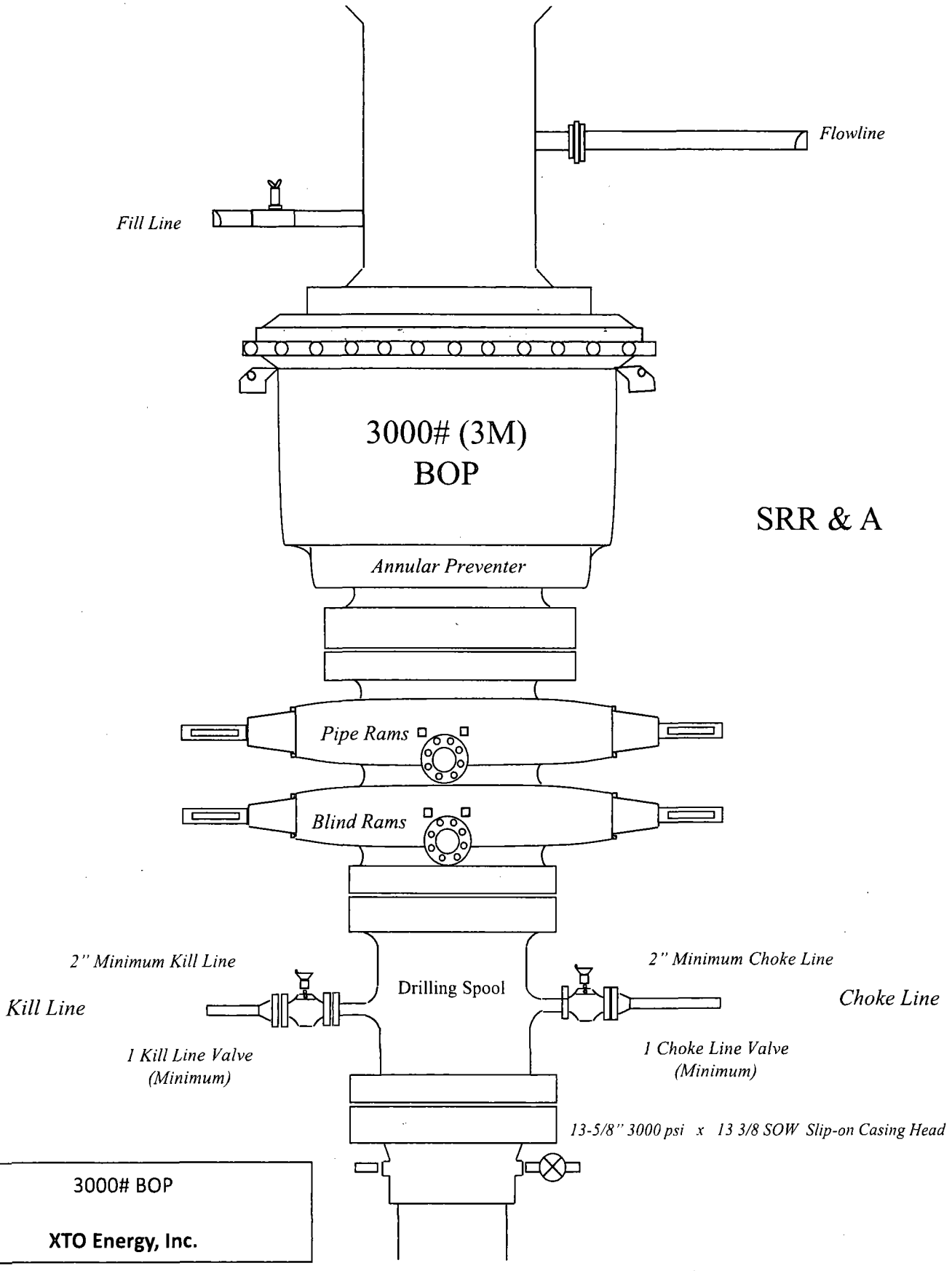
Other Variance attachment:

Outrider_Fed_FH_20180101084605.pdf



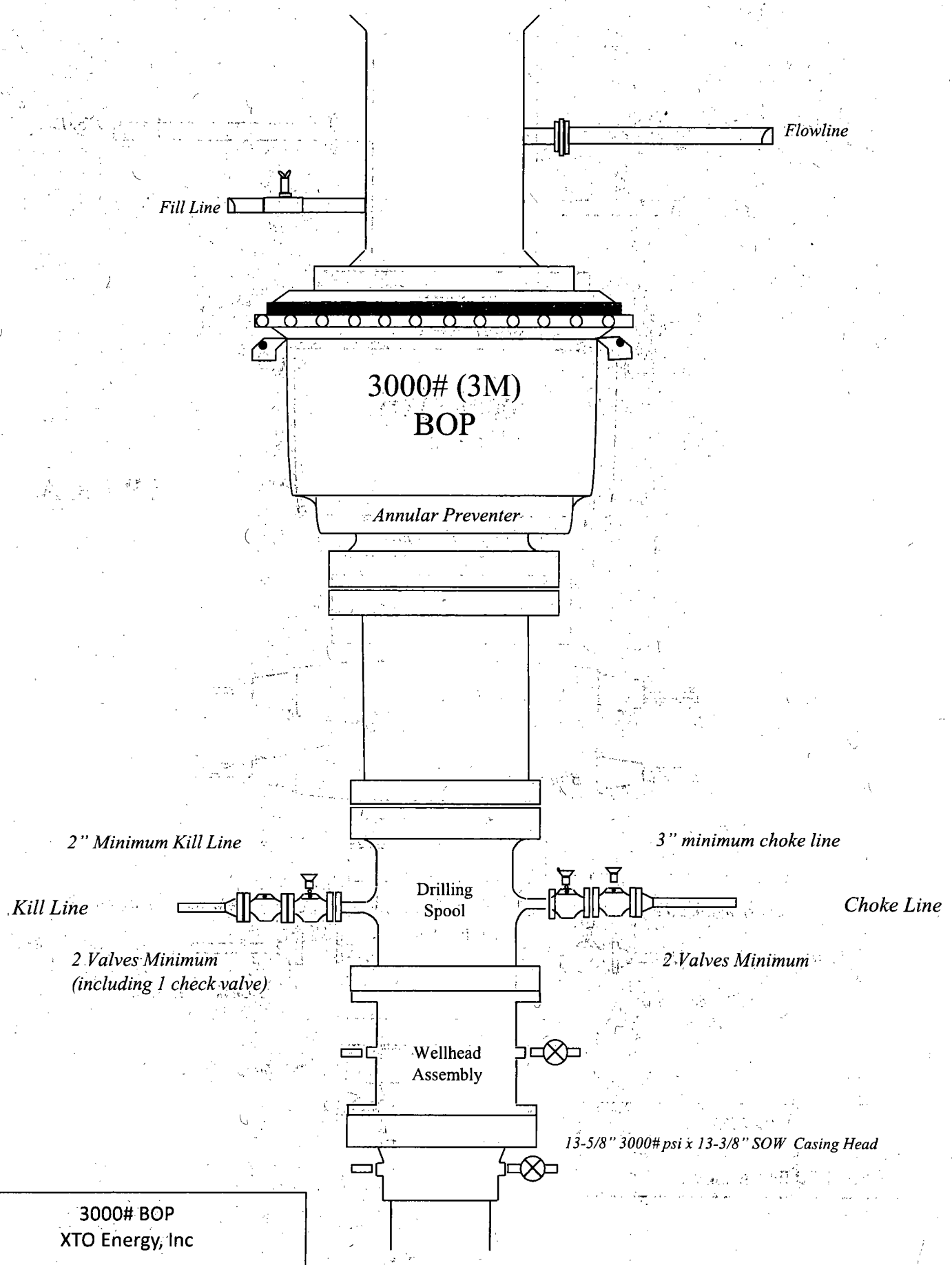
Drilling Operations
Choke Manifold
2M & 3M Service

2M & 3M Choke Manifold Diagram
XTO Energy, Inc



3000# BOP

XTO Energy, Inc.



3000# BOP
XTO Energy, Inc

XTO Energy Inc.
Outrider Federal 1H
Projected TD: 20574' MD / 10729' TVD
Lea County, NM

1. CASING PROGRAM:

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
17-1/2"	0' – 1100'	13-3/8"	48#	STC	H-40	New	2.31	1.53	6.10
12-1/4"	0'– 4713'	9-5/8"	36#	LTC	J-55	New	2.00	1.14	2.67
8-3/4"	0' – 20574'	5-1/2"	17#	BTC	P-110	New	1.12	1.49	1.62

- XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.

WELLHEAD:

A. Starting Head: 13-5/8" 3M top flange x 13-3/8" SOW bottom
B. 'B' Section/ Drilling Spool: 13-5/8" 3M bottom flange x 11" 5M top flange
C. Tubing Head: 11" 5M bottom flange x 7-1/16" 10M top flange

XTO Energy Inc.
Outrider Federal 2H
Projected TD: 20642' MD / 10802' TVD
Lea County, NM

1. CASING PROGRAM:

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
17-1/2"	0' – 1100'	13-3/8"	48#	STC	H-40	New	2.31	1.53	6.10
12-1/4"	0' – 4525'	9-5/8"	36#	LTC	J-55	New	2.00	1.19	2.78
8-3/4"	0' – 20642'	5-1/2"	17#	BTC	P-110	New	1.12	1.48	1.62

- XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.

WELLHEAD:

A. Starting Head: 13-5/8" 3M top flange x 13-3/8" SOW bottom
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C. Tubing Head: 11" 5M bottom flange x 7-1/16" 10M top flange

XTO Energy Inc.
Outrider Federal 2H
Projected TD: 20642' MD / 10802' TVD
Lea County, NM

1. CASING PROGRAM:

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
17-1/2"	0' – 1100'	13-3/8"	48#	STC	H-40	New	2.31	1.53	6.10
12-1/4"	0'– 4525'	9-5/8"	36#	LTC	J-55	New	2.00	1.19	2.78
8-3/4"	0' – 20642'	5-1/2"	17#	BTC	P-110	New	1.12	1.48	1.62

- XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.

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XTO Energy Inc.
Outrider Federal 2H
Projected TD: 20642' MD / 10802' TVD
Lea County, NM

1. CASING PROGRAM:

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
17-1/2"	0' – 1100'	13-3/8"	48#	STC	H-40	New	2.31	1.53	6.10
12-1/4"	0' – 4525'	9-5/8"	36#	LTC	J-55	New	2.00	1.19	2.78
8-3/4"	0' – 20642'	5-1/2"	17#	BTC	P-110	New	1.12	1.48	1.62

- XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.

WELLHEAD:

A. Starting Head: 13-5/8" 3M top flange x 13-3/8" SOW bottom
B. 'B' Section/ Drilling Spool: 13-5/8" 3M bottom flange x 11" 5M top flange
C. Tubing Head: 11" 5M bottom flange x 7-1/16" 10M top flange

GATES E & S NORTH AMERICA, INC
DU-TEX
134 44TH STREET
CORPUS CHRISTI, TEXAS 78405

PHONE: 361-887-9807
FAX: 361-887-0812
EMAIL: crpe&s@gates.com
WEB: www.gates.com

GRADE D PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	6/8/2014
Customer Ref. :	PENDING	Hose Serial No.:	D-060814-1
Invoice No. :	201709	Created By:	NORMA

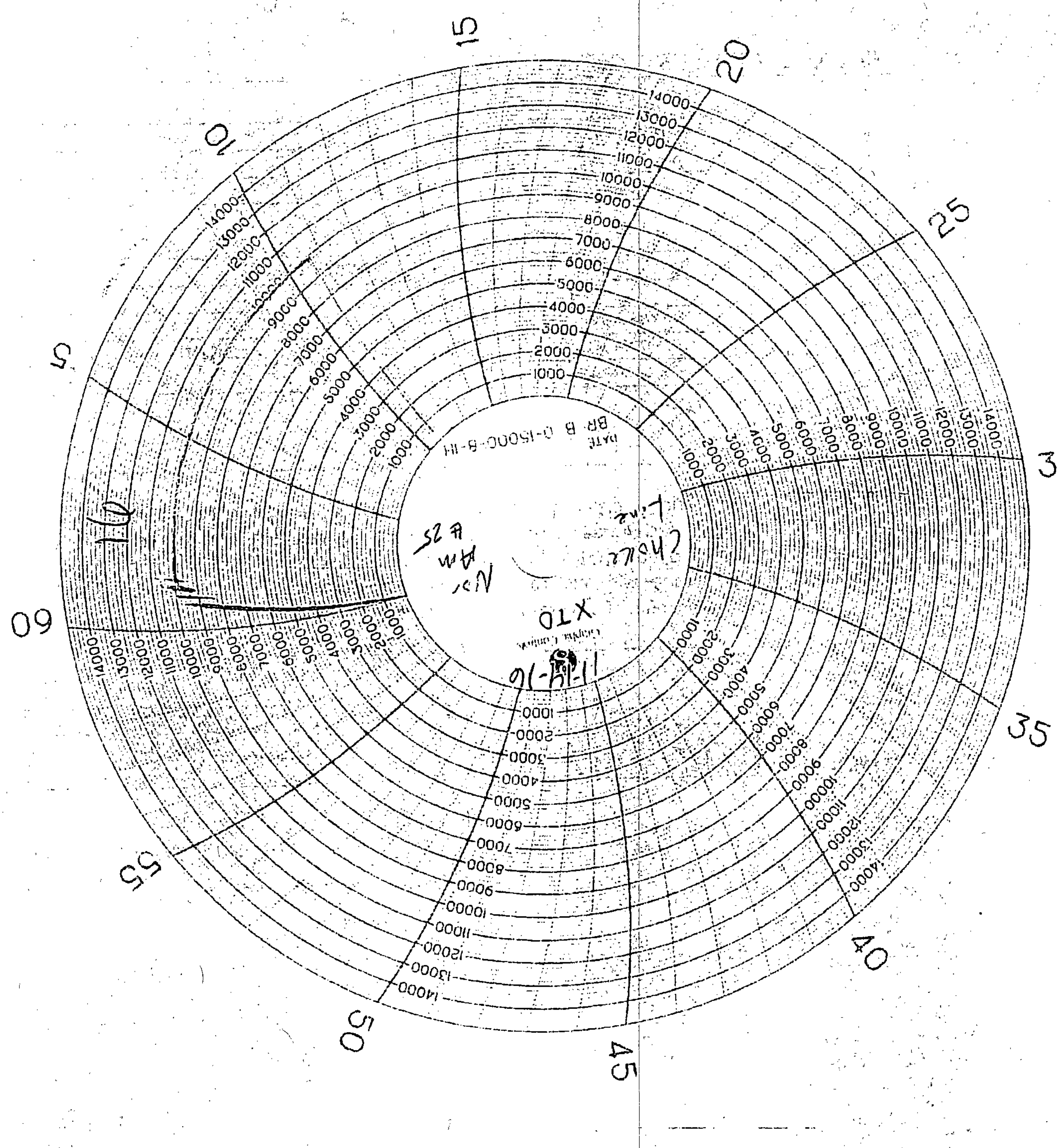
Product Description:	FD3.0-42.0R41/16.5KFLGE/E LE

End Fitting 1 :	4 1/16 in.5K FLG	End Fitting 2 :	4 1/16 in.5K FLG
Gates Part No. :	4774-6001	Assembly Code :	L33090011513D-060814-1
Working Pressure :	5,000 PSI	Test Pressure :	7,500 PSI

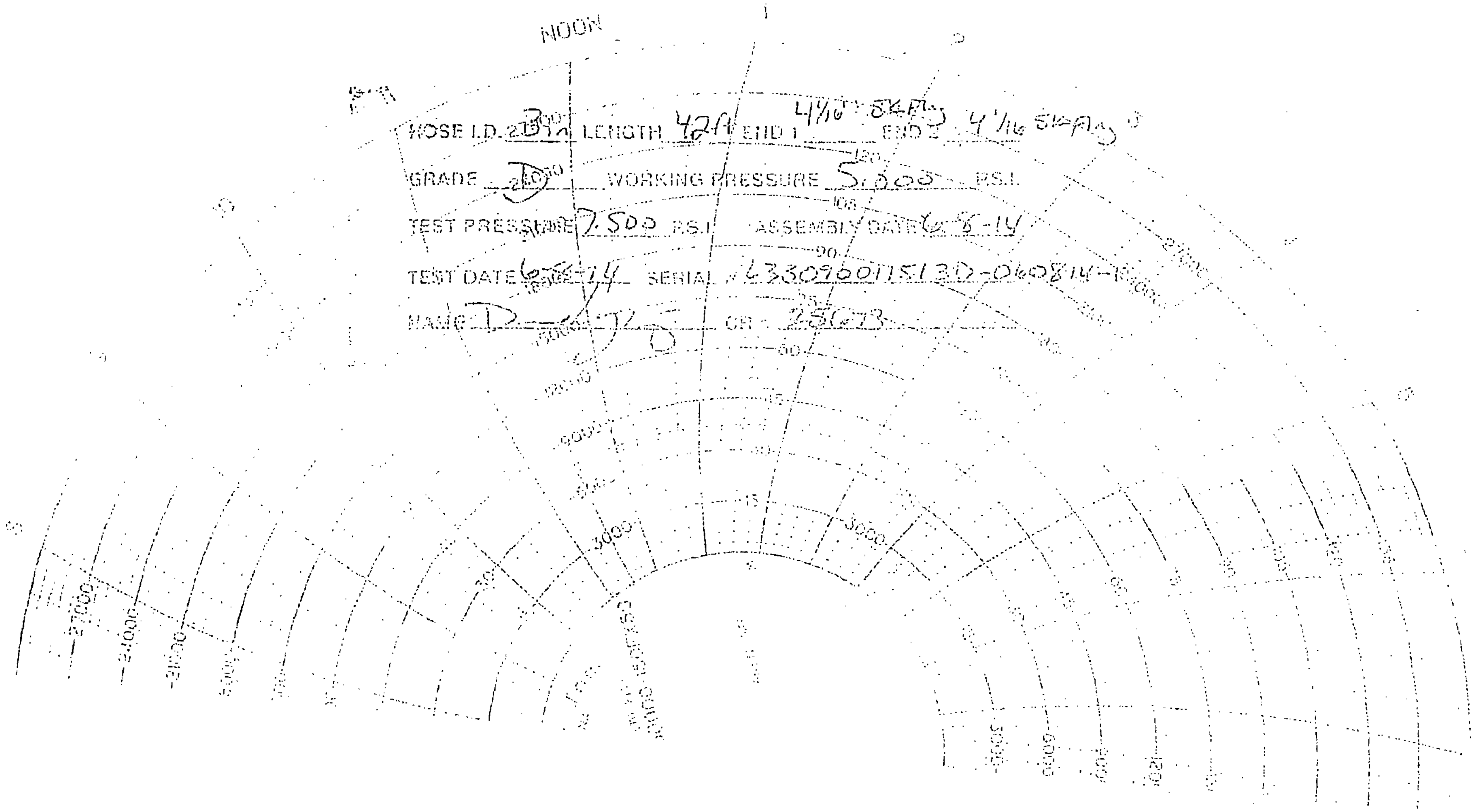
Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 7,500 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality:	QUALITY	Technical Supervisor :	PRODUCTION
Date :	6/8/2014	Date :	6/8/2014
Signature :		Signature :	

Form PTC - 01 Rev.0 2



BR B 0-15000-8-1H
DATE
X-TO


NOON
HOSE I.D. 3" LENGTH 42ft END 1 4 1/16" 5K Flg END 2 4 1/16 5K Flg
GRADE D WORKING PRESSURE 5,000 P.S.I.
TEST PRESSURE 7,500 P.S.I. ASSEMBLY DATE 6-8-14
TEST DATE 6-8-14 SERIAL # 6330960115130-060814-1
NAME D OR # 28673
3000
6000
9000
27000

APD ID: 10400025935 **Submission Date:** 01/01/2018

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? NO

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

Outrider_Fed_2H_Road_20180101093434.pdf

New road type: RESOURCE

Length: 47.6 Feet **Width (ft.):** 30

Max slope (%): 2 **Max grade (%):** 3

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along with access road route.

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: Surface material will be native caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: Approximately 6 inches of topsoil (root zone) will be stripped from the proposed access road prior to any further construction activity. The topsoil that was stripped will be spread along the edge of the road and within the ditch. The topsoil will be seeded with the proper seed mix designated by the BLM.
Access other construction information: Construction, reclamation, and/or routine maintenance will not be conducted during periods when the soil conditions for construction could lead to impacts to the surrounding environment, or when watershed damage is likely to occur as a result of these activities.
Access miscellaneous information: From the intersection of Hwy 128 and Co Rd. J1 (Orla Rd), go South on Co. Rd. J1 approximately 2.3 miles. Turn right and go west approximately .9 miles to the proposed access road. Follow staked road North 52.8' to the Southeast corner of this location.
Number of access turnouts: 0 **Access turnout map:**

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.
Road Drainage Control Structures (DCS) description: No drainage control structures were identified at onsite. Drainage control structures will be applied for as-needed and be in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.
Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Outrider_Fed_1_Mile_20180101083134.pdf

Existing Wells description:

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: No additional production facility (CTB) is required. An existing CTB was approved and built under the Outrider Federal #6H APD located at the North end of Section 28-T24S-R32E. See attached plat for additional details. CTB was staked with Trish Bad Bear, Natural Resource Specialist, and approved by Bob Ballard. All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted to BLM specifications. Containment berms will be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1 ½

times the capacity of the largest tank and away from cut or fill areas. Flowlines: 2 lines no more than 8077' will be run across the approved well pad, headed West, then North following existing disturbance to the CTB. Flowlines will be buried. One flowline is to take production from WH to CTB, will be 4" and 125psi or less. The second flowline will be a HP gas lift line. Electrical: Approximately 6730' of 12,740 volt electrical line will be run from the well pad headed West, then North following existing disturbance to the CTB. Gas Sales Line: No gas sales line is needed for this facility. Gas sales line is installed at the CTB.

Production Facilities map:

Outrider_Fed_OHE_20180101083220.pdf

Outrider_Fed_Fac_20180101083208.pdf

Outrider_Fed_FL_20180101093448.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source use type: INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE CASING
Describe type: Fresh Water; Section 13-26S-35E

Water source type: OTHER

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: FEDERAL

Water source transport method: TRUCKING

Source transportation land ownership: FEDERAL

Water source volume (barrels): 330000

Source volume (acre-feet): 42.53472

Source volume (gal): 13860000

Water source use type: INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE CASING
Describe type: Fresh Water; Section 7-23S-34E

Water source type: OTHER

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: FEDERAL

Water source transport method: TRUCKING

Source transportation land ownership: FEDERAL

Water source volume (barrels): 330000

Source volume (acre-feet): 42.53472

Source volume (gal): 13860000

Water source and transportation map:

Outrider_Fed_1H_Wtr_20180101083742.pdf

Water source comments: The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from a 3rd party vendor and hauled to an available frac pit in the area (shared by operators) by transport truck using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location. Water for drilling, completion and dust control will be purchased from the following company: Rockhouse. Water for drilling, completion and dust control will be supplied by Rockhouse for sale to XTO Energy, Inc. from Section 13-26S-35E, New Mexico. In the event that Rockhouse does not have the appropriate water for XTO at time of drilling and completion, then XTO water will come from Rockhouse Water with the location of the water being in Section 7-23S-34E, New Mexico. Anticipated water usage for drilling includes an estimated 35,000 barrels of water to drill a horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated for ~1.5bbls per foot of hole drilled with excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation. Temporary water flowlines will be permitted via ROW approval letter and proper grants as-needed based on drilling and completion schedules as needed. Well completion is expected to require approximately 300,000 barrels of water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections.

New water well? NO

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Construction Materials description: Construction, reclamation, and/or routine maintenance will not be conducted during periods when the soil conditions for construction could lead to impacts to the surrounding environment, or when watershed damage is likely to occur as a result of these activities. Any construction material that may be required for surfacing of the drill pad and access road will be from a contractor having a permitted source of materials within the general area. No construction materials will be removed from Federal lands without prior approval from the appropriate surface management agency. All

roads will be constructed of 6" rolled and compacted caliche. Source 1: State Pit, 633-Lea, Sec 2-T24S-R33E Source 2: State Pit, 636-Lea, Sec 7-T24S-R33E
Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: GARBAGE

Waste content description: Garbage, junk and non-flammable waste materials

Amount of waste: 250 pounds

Waste disposal frequency : Weekly

Safe containment description: All garbage, junk and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage, to prevent scattering and will be removed and deposited in an approve sanitary landfill. Immediately after drilling all debris and other waste materials on and around the well location not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location.
Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: A licensed 3rd party vendor will be contracted to haul and safely dispose of garbage, junk and non-flammable waste materials.

Waste type: DRILLING

Waste content description: Fluid

Amount of waste: 500 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel mud pits

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: R360 Environmental Solutions 4507 W Carlsbad Hwy, Hobbs, NM 88240 (575) 393-1079

Waste type: DRILLING

Waste content description: Cuttings

Amount of waste: 2100 pounds

Waste disposal frequency : One Time Only

Safe containment description: The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes.
Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Disposal type description:

Disposal location description: R360 Environmental Solutions 4507 W Carlsbad Hwy, Hobbs, NM 88240 (575) 393-1079

Waste type: SEWAGE

Waste content description: Human Waste

Amount of waste: 250 gallons

Waste disposal frequency : Weekly

Safe containment description: Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completion activities, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: A licensed 3rd party contractor will be used to haul and dispose of human waste.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? YES

Description of cuttings location Cuttings. The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site. Drilling Fluids. These will be contained in steel mud pits and then taken to a NMOCD approved commercial disposal facility. Produced Fluids. Water produced from the well during completion will be held temporarily in steel tanks and then taken to a NMOCD approved commercial disposal facility. Oil produced during operations will be stored in tanks until sold.

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

Outrider_Fed_2H_Well_20180101093509.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance **Multiple Well Pad Name:**

Multiple Well Pad Number:

Recontouring attachment:

Outrider_Fed_2H_Int_Rec_20180101100550.pdf

Drainage/Erosion control construction: Erosion features are equal to or less than surrounding area and erosion control is sufficient so that water naturally infiltrates into the soil and gullying, headcutting, slumping, and deep or excessive rills (greater than 3 inches) are not observed.

Drainage/Erosion control reclamation: Erosion features are equal to or less than surrounding area and erosion control is sufficient so that water naturally infiltrates into the soil and gullying, headcutting, slumping, and deep or excessive rills (greater than 3 inches) are not observed.

Well pad proposed disturbance (acres): 3.69

Well pad interim reclamation (acres): 0.09

Well pad long term disturbance (acres): 3.61

Road proposed disturbance (acres): 0.032

Road interim reclamation (acres): 0

Road long term disturbance (acres): 0.032

Powerline proposed disturbance (acres): 4.63

Powerline interim reclamation (acres): 0

Powerline long term disturbance (acres): 4.63

Pipeline proposed disturbance (acres): 5.56

Pipeline interim reclamation (acres): 5.56

Pipeline long term disturbance (acres): 0

Other proposed disturbance (acres): 0

Other interim reclamation (acres): 0

Other long term disturbance (acres): 0

Total proposed disturbance: 13.912

Total interim reclamation: 5.65

Total long term disturbance: 8.272

Disturbance Comments:

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Reconstruction method: The original stock piled topsoil will be spread over the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded.
Topsoil redistribution: The original stock piled topsoil will be spread over the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded.
Soil treatment: A self-sustaining, vigorous, diverse, native (or otherwise approved) plan community will be established on the site with a density sufficient to control erosion and invasion by non-native plants and to re-establish wildlife habitat or forage production. At a minimum, the established plant community will consist of species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation.
Existing Vegetation at the well pad: The project area soils consist of Pyote soils. These soils are associated with the Loamy Sand ecological site which typically supports black grama, dropseed, and bluestem grasslands with an even distribution of sand sage, shinnery oak, and mesquite. The current vegetative community consists of mesquite, broom snakeweed, soapweed yucca, four-wing saltbrush, althorn, and dessert grasses and forbs. The project is located on a relatively flat landscape with small dunes (1-3ft), approximately 7.75 miles north of Paduca Breaks and 12.45 miles west of Woodley Flat.
Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: The project area soils consist of Pyote soils. These soils are associated with the Loamy Sand ecological site which typically supports black grama, dropseed, and bluestem grasslands with an even distribution of sand sage, shinnery oak, and mesquite. The current vegetative community consists of mesquite, broom snakeweed, soapweed yucca, four-wing saltbrush, althorn, and dessert grasses and forbs. The project is located on a relatively flat landscape with small dunes (1-3ft), approximately 7.75 miles north of Paduca Breaks and 12.45 miles west of Woodley Flat.
Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: The project area soils consist of Pyote soils. These soils are associated with the Loamy Sand ecological site which typically supports black grama, dropseed, and bluestem grasslands with an even distribution of sand sage, shinnery oak, and mesquite. The current vegetative community consists of mesquite, broom snakeweed, soapweed yucca, four-wing saltbrush, althorn, and dessert grasses and forbs. The project is located on a relatively flat landscape with small dunes (1-3ft), approximately 7.75 miles north of Paduca Breaks and 12.45 miles west of Woodley Flat.
Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: The project area soils consist of Pyote soils. These soils are associated with the Loamy Sand ecological site which typically supports black grama, dropseed, and bluestem grasslands with an even distribution of sand sage, shinnery oak, and mesquite. The current vegetative community consists of mesquite, broom snakeweed, soapweed yucca, four-wing saltbrush, althorn, and dessert grasses and forbs. The project is located on a relatively flat landscape with small dunes (1-3ft), approximately 7.75 miles north of Paduca Breaks and 12.45 miles west of Woodley Flat.
Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed type: **Seed source:**

Seed name:

Source name: **Source address:**

Source phone:

Seed cultivar:

Seed use location:

PLS pounds per acre: **Proposed seeding season:**

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: Jeff **Last Name:** Raines

Phone: (432)620-4349 **Email:** jeffrey_raines@xtoenergy.com

Seedbed prep: Initial seedbed preparation will consist of recontouring to the appropriate interim or final reclamation standard. All compacted areas to be seeded will be ripped to a minimum depth of 18 inches with a minimum furrow spacing of 2 feet, followed by recontouring the surface and then evenly spreading the stockpiled topsoil. Prior to seeding, the seedbed will be scarified to a depth of no less than 4-6 inches. If the site is to be broadcast seeded, the surface will be left rough enough to trap seed and snow, control erosion, and increase water infiltration.
Seed BMP: If broadcast seeding is to be used and is delayed, final seedbed preparation will consist of contour cultivating to a depth of 4-6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.
Seed method: Seed Application. Seeding will be conducted no more than two weeks following completion of final seedbed preparation. A certified weed-free seed mix designed by the BLM to meet reclamation standards will be used. If the site is harrowed or dragged, seed will be covered by no more than 0.25 inch of soil.
Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: Weed control for all phases will be through the use of approved pesticides and

herbicides according to applicable State, Federal and local laws.

Weed treatment plan attachment:

Monitoring plan description: Monitoring of invasive and noxious weeds will be visual and as-needed. If it is determined additional methods are required to monitor invasive and noxious weeds, appropriate BLM authorities will be contacted with a plan of action for approval prior to implementation.
Monitoring plan attachment:

Success standards: 100% compliance with applicable regulations.

Pit closure description: There will be no reserve pit as each well will be drilled utilizing a closed loop mud system. The closed loop system will meet the NMOCD requirements 19.15.17.
Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: OTHER

Describe: Flowline

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: TRANSMISSION LINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Section 12 - Other Information

Right of Way needed? NO **Use APD as ROW?**

ROW Type(s):

ROW Applications

SUPO Additional Information:

Use a previously conducted onsite? YES

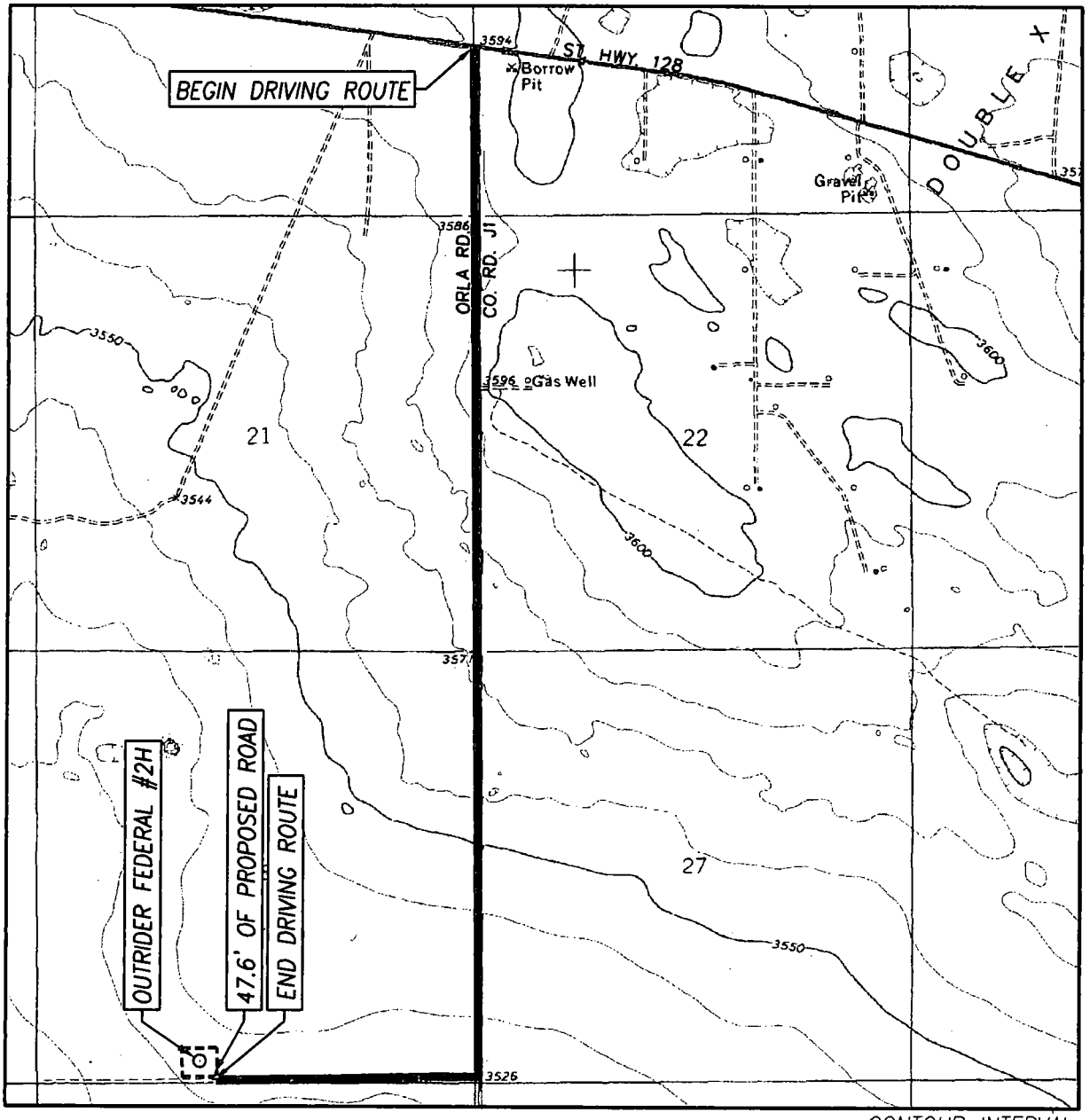
Previous Onsite information: Onsite performed 12/15/2016. Location moved due to new P/L running E&W. V-door E, Topsoil W,Downsize W&N, road into SE corner. PRESET AT ON-SITE: Brooke Wilson, Bureau of Land Management Rebecca Hill, Boone Arch Surveying Jimie Scott, Contract Representative for XTO Energy, Inc John West Surveying Company

Other SUPO Attachment

Outrider_Fed_LF_20180101084250.pdf

Outrider_Fed_2H_SUPO_20180101100612.pdf

TOPOGRAPHIC AND ACCESS ROAD MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
PADUCA BREAKS NW, N.M. - 10'

SEC. 28 TWP. 24-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 274' FSL & 1980' FWL

ELEVATION 3526'

OPERATOR XTO ENERGY

LEASE OUTRIDER FEDERAL

U.S.G.S. TOPOGRAPHIC MAP
PADUCA BREAKS NW, N.M.

DIRECTIONS TO LOCATION:

FROM THE INTERSECTION OF ST. HWY. 128 AND CO. RD. J1 (ORLA ROAD), GO SOUTH ON CO. RD. J1 (ORLA ROAD), APPROX. 2.3 MILES. TURN RIGHT AND GO WEST APPROX. 0.9 MILES TO PROPOSED ACCESS ROAD. FOLLOW STAKED ROAD NORTH 47.6 FEET TO THE SOUTHEAST CORNER OF THIS LOCATION.

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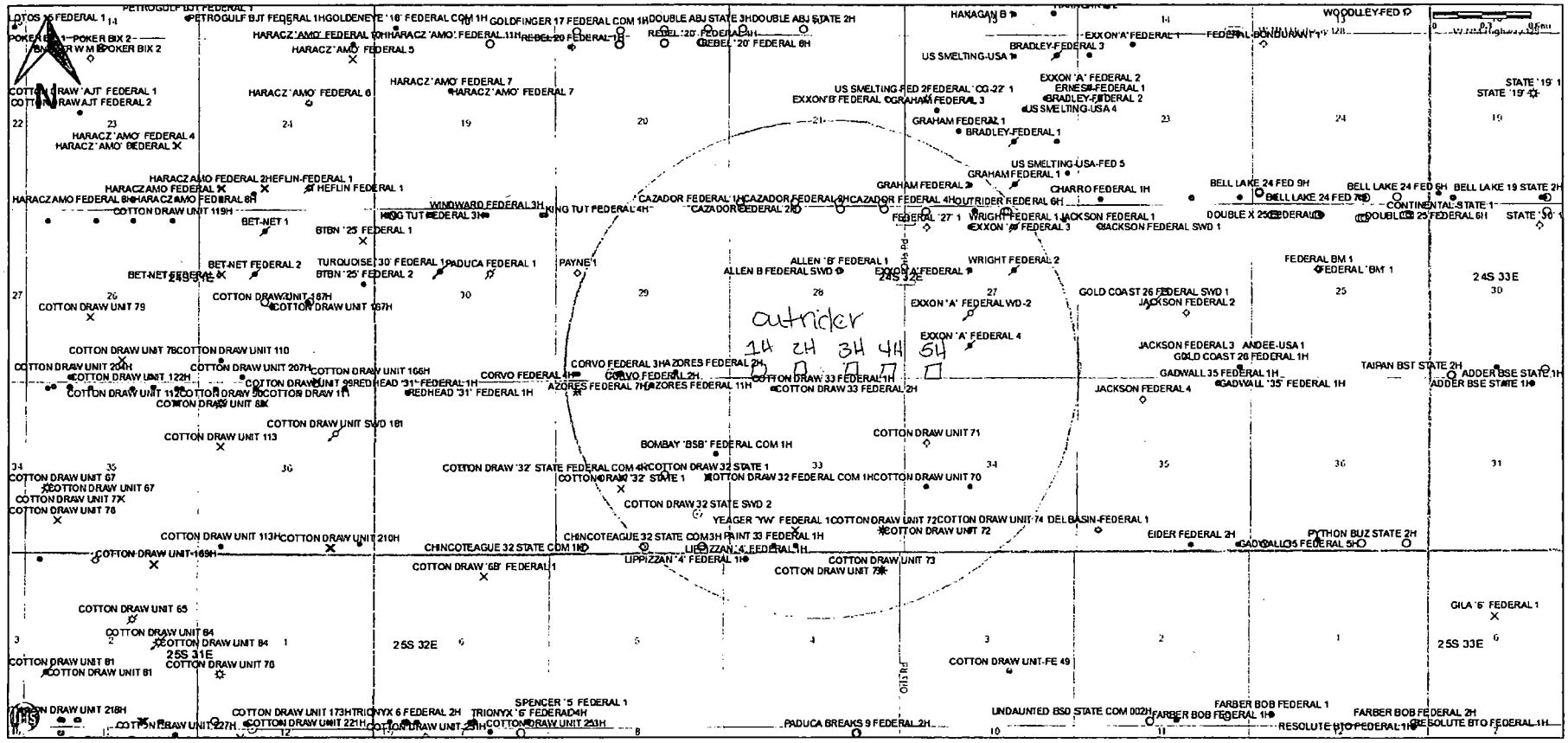
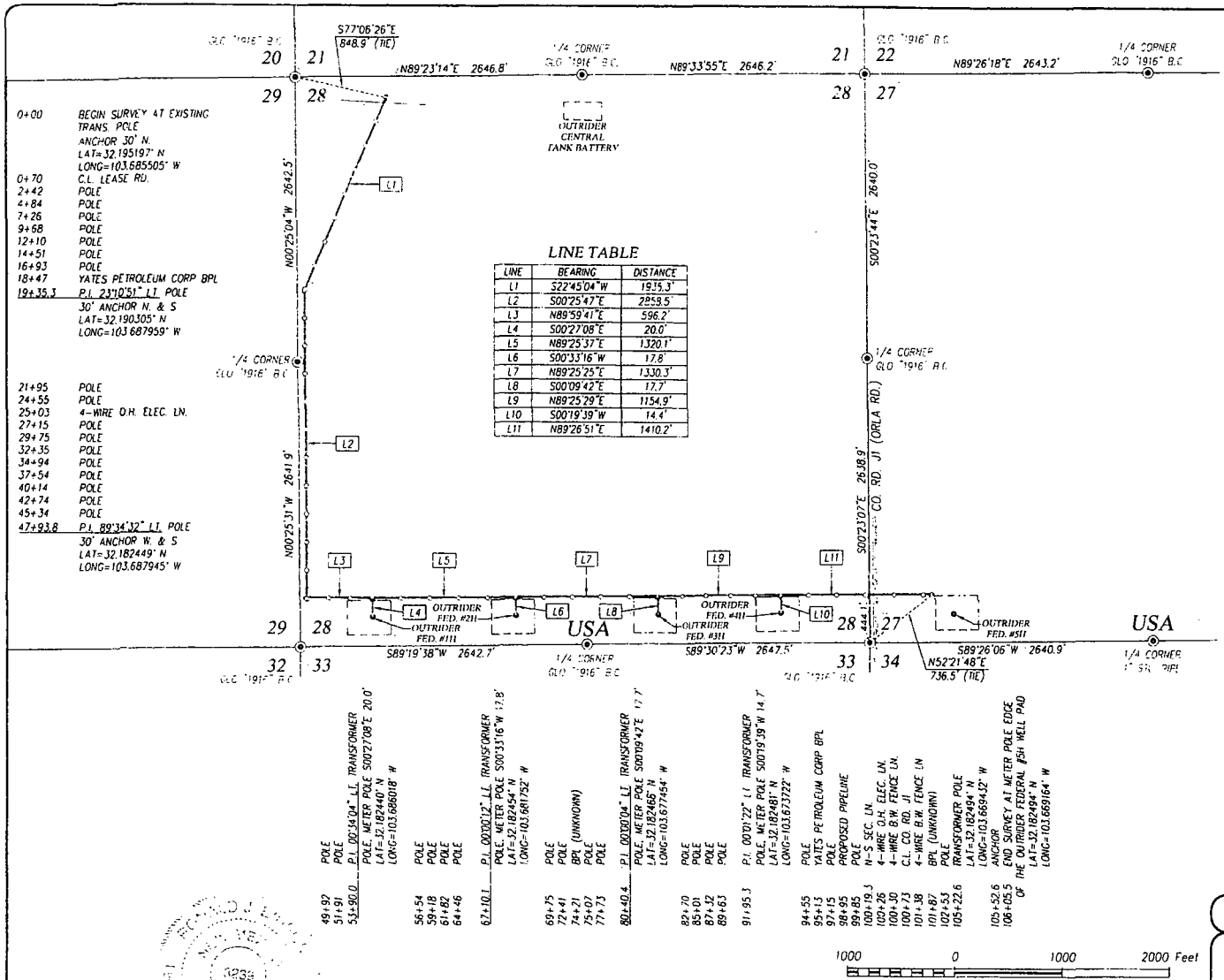
Outrider Lease





0+00	BEGIN SURVEY AT EXISTING TRANS. POLE ANCHOR 30' N. LAT=32.195197° N. LONG=103.685505° W
0+70	C.L. LEASE RD.
2+42	POLE
4+84	POLE
7+26	POLE
9+68	POLE
12+10	POLE
14+51	POLE
16+93	POLE
18+47	YATES PETROLEUM CORP BPL
19+35.3	P.I. 23°10'51" LT. POLE 30' ANCHOR N. & S. LAT=32.190305° N. LONG=103.687959° W
21+95	POLE
24+55	POLE
25+03	4-WIRE O.H. ELEC. LN.
27+15	POLE
29+75	POLE
32+35	POLE
34+94	POLE
37+54	POLE
40+14	POLE
42+74	POLE
45+34	POLE
47+93.8	P.I. 89°34'32" LT. POLE 30' ANCHOR W. & S. LAT=32.182449° N. LONG=103.687945° W

LINE TABLE

LINE	BEARING	DISTANCE
L1	S22°45'04"W	1935.3'
L2	S00°25'47"E	2859.5'
L3	N89°59'41"E	596.2'
L4	S00°27'08"E	20.0'
L5	N89°25'37"E	1320.1'
L6	S00°33'16"W	17.8'
L7	N89°25'25"E	1330.3'
L8	S00°09'42"E	17.7'
L9	N89°25'29"E	1154.9'
L10	S00°19'39"W	14.4'
L11	N89°26'51"E	1410.2'

49+92	POLE	
51+91	POLE	
52+90.0	P.I. 00°34'04" LT. TRANSFORMER	POLE, METER POLE S00°27'08"E 20.0' LAT=32.182440° N LONG=103.686018° W
56+54	POLE	
59+18	POLE	
61+82	POLE	
64+46	POLE	
67+10.1	P.I. 00°30'12" LT. TRANSFORMER	POLE, METER POLE S00°33'16"W 17.8' LAT=32.182454° N LONG=103.681732° W
69+75	POLE	
72+41	POLE	
74+21	BPL (UNKNOWN)	
75+07	POLE	
77+73	POLE	
80+40.4	P.I. 00°00'04" LT. TRANSFORMER	POLE, METER POLE S00°09'42"E 17.7' LAT=32.182466° N LONG=103.677454° W
82+20	POLE	
85+10	POLE	
87+22	POLE	
89+63	POLE	
91+95.3	P.I. 00°01'22" LT. TRANSFORMER	POLE, METER POLE S00°19'39"W 14.7' LAT=32.182481° N LONG=103.673722° W
94+55	POLE	
95+13	YATES PETROLEUM CORP BPL	
97+15	POLE	
98+95	PROPOSED PIPELINE	
99+85	POLE	
100+19.3	N-S SEC. LN.	
100+26	4-WIRE O.H. ELEC. LN.	
100+30	4-WIRE B.W. FENCE LN.	
100+73	C.L. CO. RD. J1	
101+38	4-WIRE B.W. FENCE LN.	
101+87	BPL (UNKNOWN)	
102+53	POLE	
105+22.6	TRANSFORMER POLE	LAT=32.182494° N LONG=103.669432° W
105+52.6	ANCHOR	FND SURVEY AT METER POLE EDGE OF THE OUTRIDER FEDERAL #5H WELL PAD
106+05.5		LAT=32.182494° N LONG=103.669164° W

DESCRIPTION

SURVEY OF A STRIP OF LAND 30.0 FEET WIDE AND 10675.4 FEET OR 2.22 MILES IN LENGTH CROSSING USA LAND IN SECTIONS 27 & 28, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO, AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

LEGEND

⊙ DENOTES FOUND CORNER AS NOTED

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

1000 0 1000 2000 Feet

Scale: 1"=1000'

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON Ronald J. Eidson DATE: 01/25/2017

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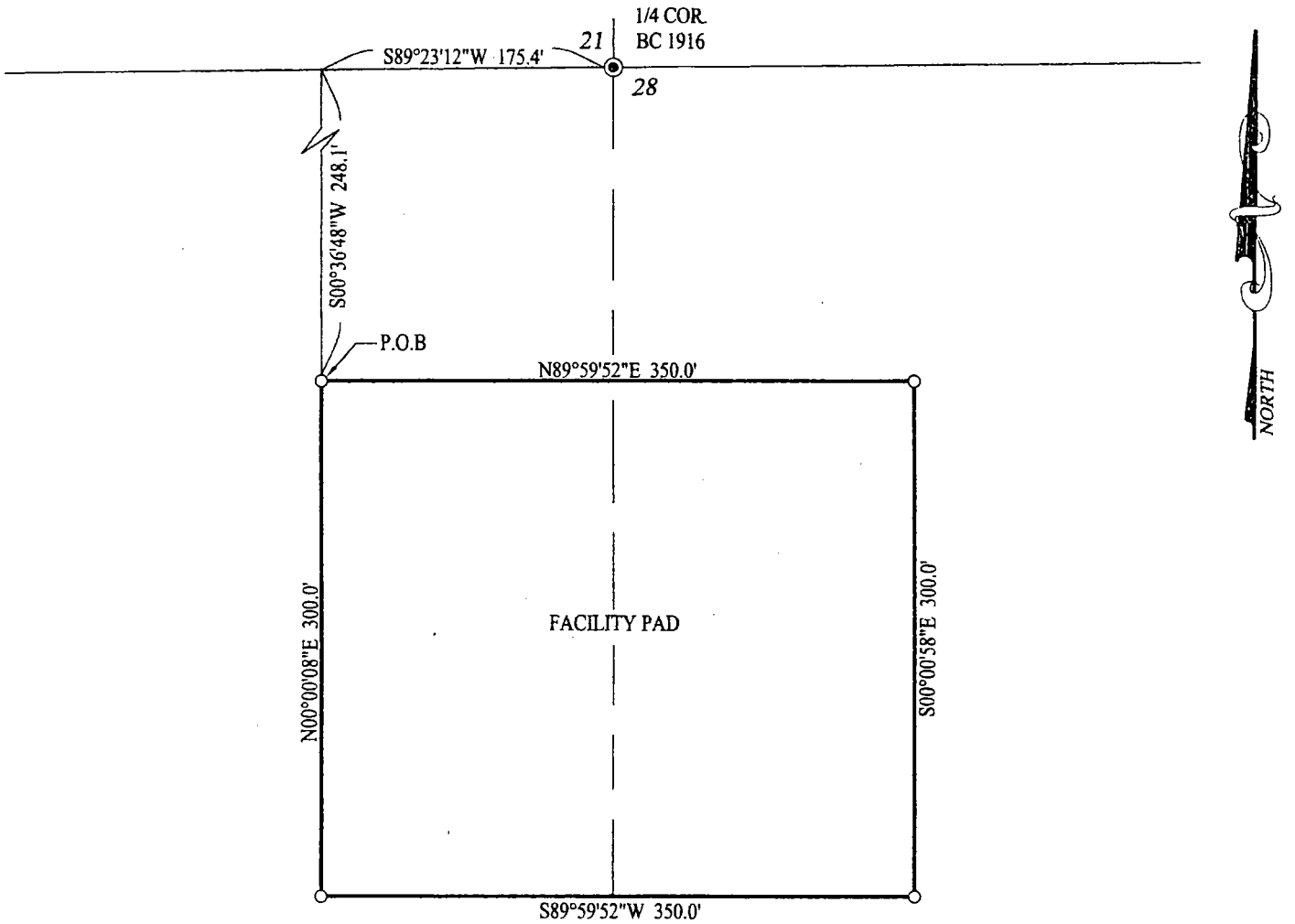
XTO ENERGY

SURVEY FOR AN ELECTRIC LINE TO THE OUTRIDER FEDERAL #1H, #2H, #3H, #4H & #5H WELLS CROSSING SECTIONS 27 & 28, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M. LEA COUNTY, NEW MEXICO

Survey Date: 12/21/16	CAD Date: 1/23/17		Drawn By: DSS
W.O. No.: 16111011	Rev:	Rel. W.O.: 16110705	Sheet 1 of 1

 C:\Jobs\Easements\2016\XTO Energy\16111011 Re-Route Electric Line to Outrider Federal Wells #1H #2H #3H #4H #5H S27 T24 R32 Lea Co



LEGEND

O DENOTES SET SPIKE NAIL

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON Ronald J Eidson

NEW MEXICO PROFESSIONAL SURVEYOR 3239

DATE: 01/21/2015

DESCRIPTION:

A PROPOSED FACILITY PAD SITUATED IN THE NORTH HALF OF SECTION 28, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF THE FACILITY PAD WHICH LIES S89°23'12"W 175.4 FEET AND S00°36'48"E 248.1 FEET FROM THE NORTH QUARTER CORNER; THEN N89°59'52"E 350.0 FEET; THEN S00°00'08"E 300.0 FEET; THEN S89°59'52"W 350.0 FEET; THEN N00°00'08"E 300.0 FEET TO THE POINT OF BEGINNING AND CONTAINING 2.410 ACRES MORE OR LESS.

100 0 100 200 Feet

Scale: 1"=100'

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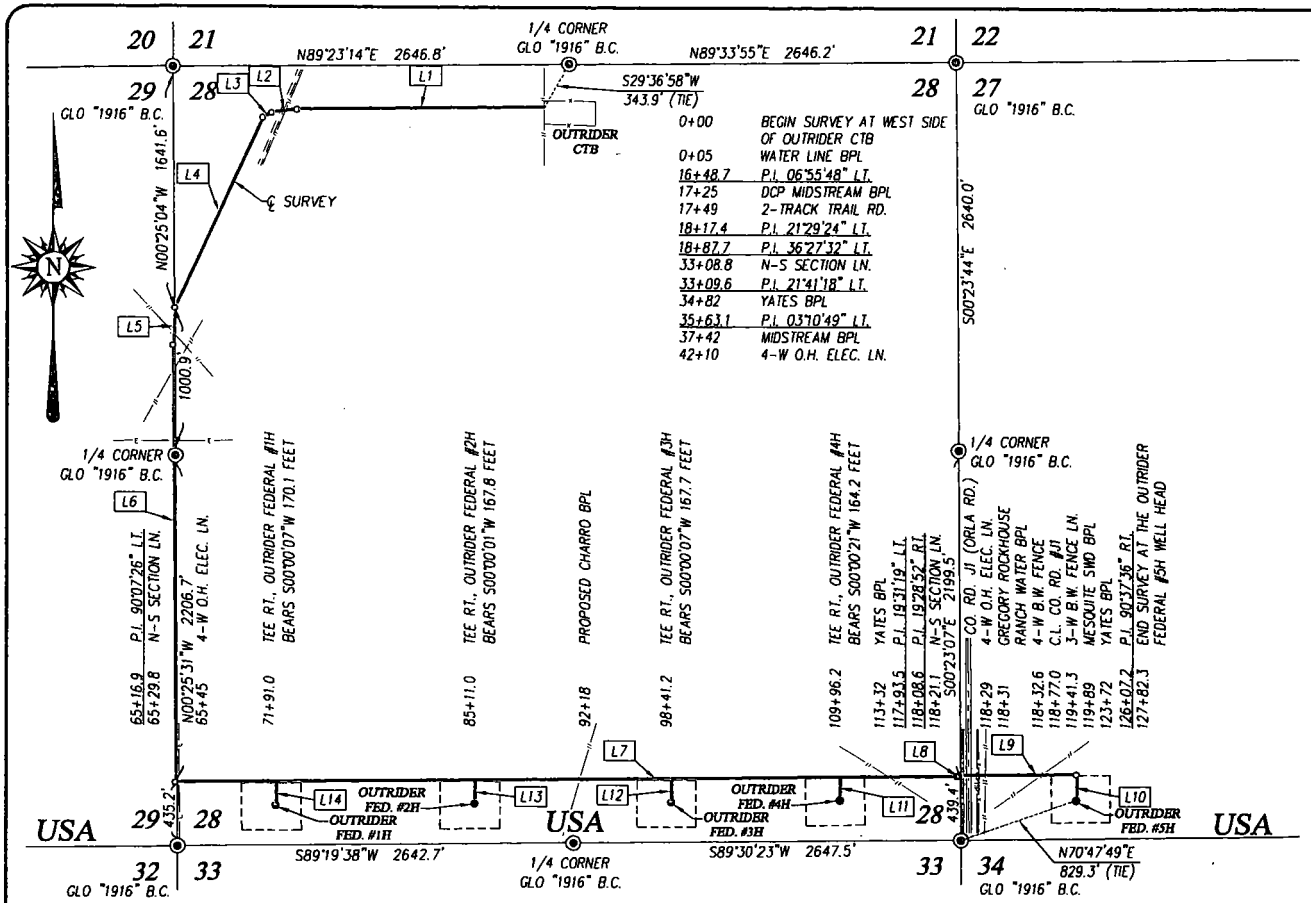
XTO ENERGY

SURVEY FOR A FACILITY PAD
SITUATED IN THE NW/4 OF SECTION 28,
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO

Survey Date: 12/10/14	CAD Date: 1/20/15	Drawn By: LSL
W.O. No.: 14111306	Rev:	Rel. W.O.:	Sheet 1 of 1



DESCRIPTION

SURVEY OF A STRIP OF LAND 30.0 FEET WIDE AND 13452.1 FEET OR 2.548 MILES IN LENGTH CROSSING USA LAND IN SECTIONS 27, 28 & 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO, AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

LINE	BEARING	DISTANCE
L1	S89°17'50"W	1648.7'
L2	S82°22'02"W	168.7'
L3	S60°52'38"W	70.3'
L4	S24°25'06"W	1421.9'
L5	S02°43'48"W	253.5'
L6	S00°27'01"E	2953.8'
L7	N89°25'35"E	5276.6'
L8	N69°54'07"E	15.0'
L9	N89°23'01"E	798.7'
L10	S00°00'37"W	175.1'
L11	S00°00'21"W	164.2'
L12	S00°00'07"W	167.7'
L13	S00°00'01"W	167.8'
L14	S00°00'07"W	170.1'

LEGEND

◉ DENOTES FOUND CORNER AS NOTED

1000 0 1000 2000 Feet

Scale: 1"=1000'

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED, WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON Ronald J Eidson

DATE: 10/07/2016

RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

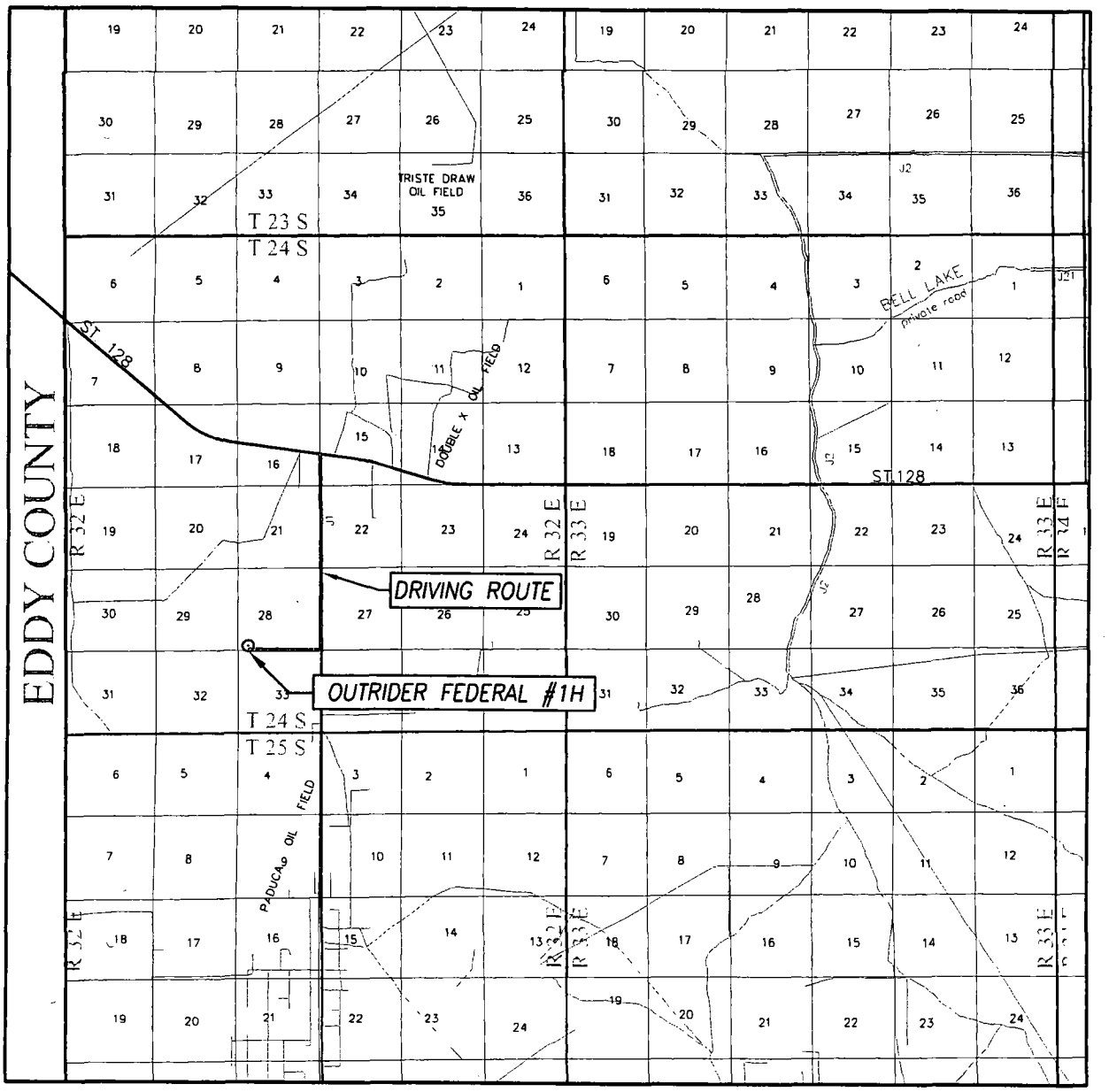
PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO HOBBS, N.M. 88240
(575) 393-3117 www.jwsc.biz
TBPLS# 10021000

XTO ENERGY

SURVEY FOR A BURIED PIPELINE TO THE OUTRIDER FEDERAL #1H THROUGH #5H WELL CROSSING SECTIONS 27, 28 & 29, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M. LEA COUNTY, NEW MEXICO

Survey Date: 9/22/16	CAD Date: 10/6/16	Drawn By: ACK	
W.O. No.: 16110711	Rev: .	Rel. W.O.:	Sheet 1 of 1

VICINITY MAP



SCALE: 1" = 2 MILES

DRIVING ROUTE: SEE TOPOGRAPHICAL AND ACCESS ROAD MAP

SEC. 28 TWP. 24-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 274' FSL & 660' FWL

ELEVATION 3514'

OPERATOR XTO ENERGY

LEASE OUTRIDER FEDERAL

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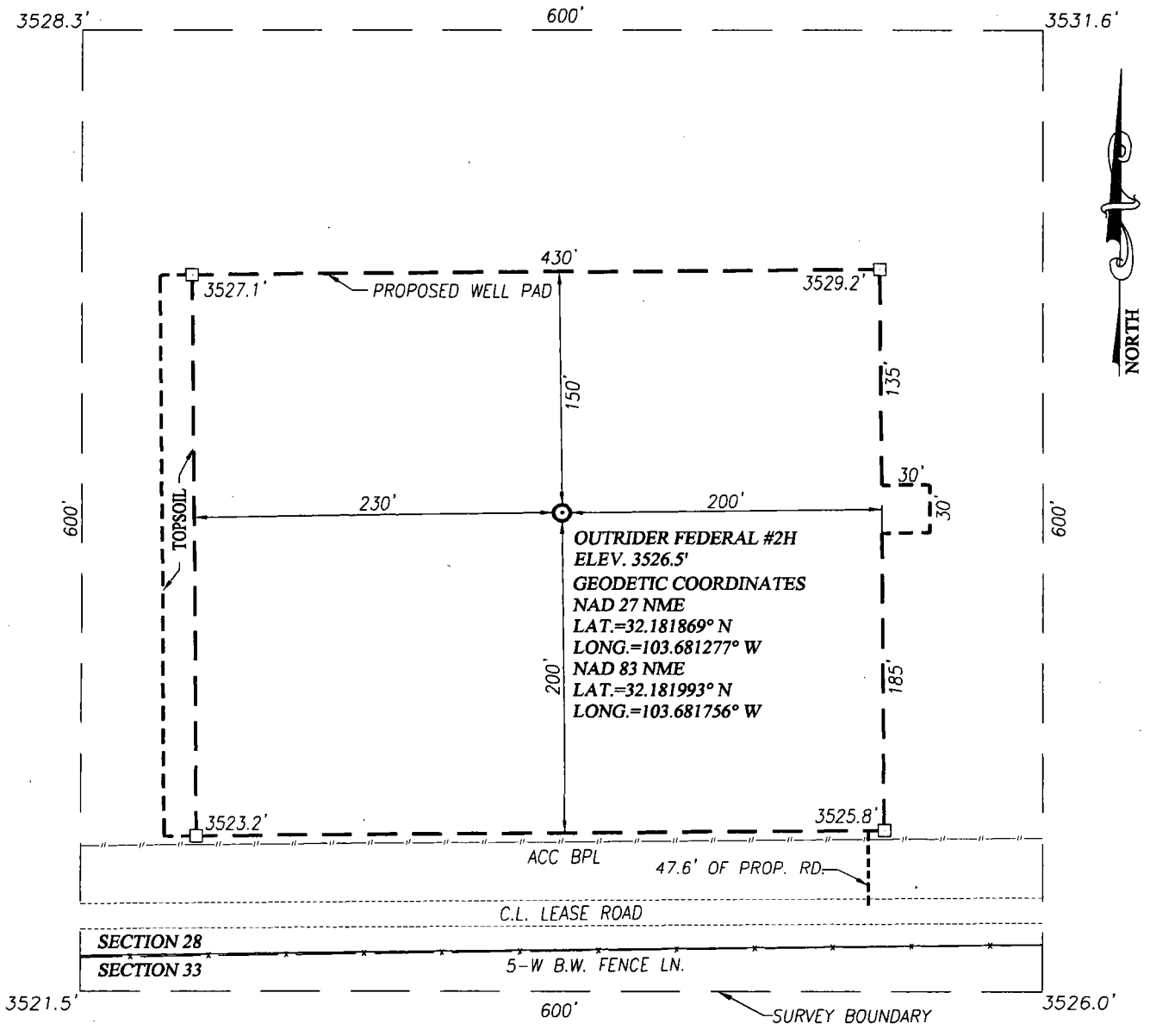
WELL SITE PLAN



NOTE:
1) SEE "LOCATION VERIFICATION MAP" FOR PROPOSED ROAD LOCATION.

DIRECTIONS TO LOCATION:

FROM THE INTERSECTION OF ST. HWY. 128 AND CO. RD. J1 (ORLA ROAD), GO SOUTH ON CO. RD. J1 (ORLA ROAD), APPROX. 2.3 MILES. TURN RIGHT AND GO WEST APPROX. 0.9 MILES TO PROPOSED ACCESS ROAD. FOLLOW STAKED ROAD NORTH 47.6 FEET TO THE SOUTHEAST CORNER OF THIS LOCATION.

100 0 100 200 Feet

Scale: 1"=100'

XTO ENERGY

OUTRIDER FEDERAL #2H WELL
LOCATED 274 FEET FROM THE SOUTH LINE
AND 1980 FEET FROM THE WEST LINE OF SECTION 28,
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

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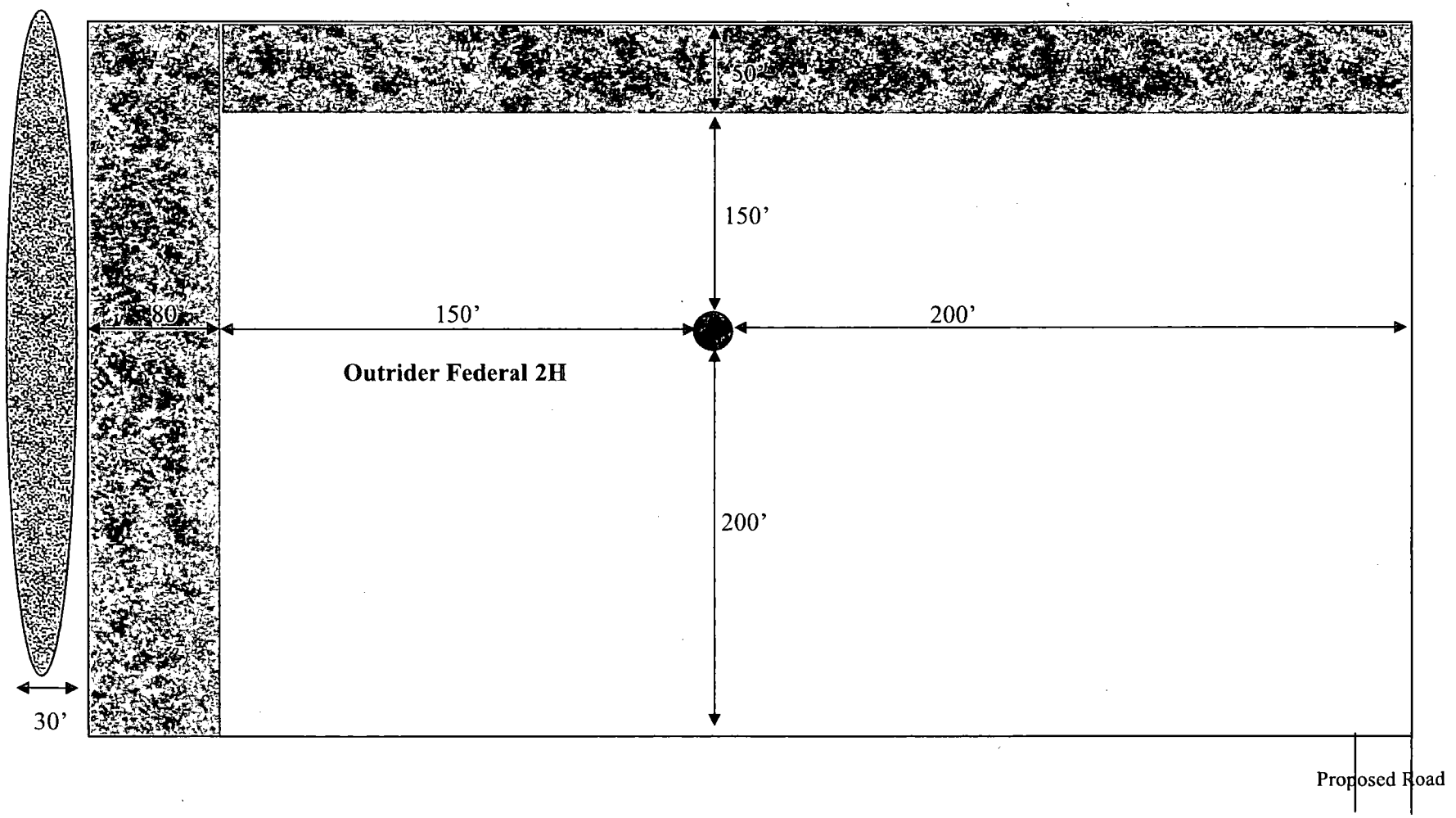
TBPLS# 10021000

Survey Date: 12/15/16	CAD Date: 1/6/17		Drawn By: ACK
W.O. No.: 16110995	Rev: .	Rel. W.O.:16110680	Sheet 1 of 1

Interim Reclamation Diagram

Outrider Federal 2H

V-Door East



LEGEND

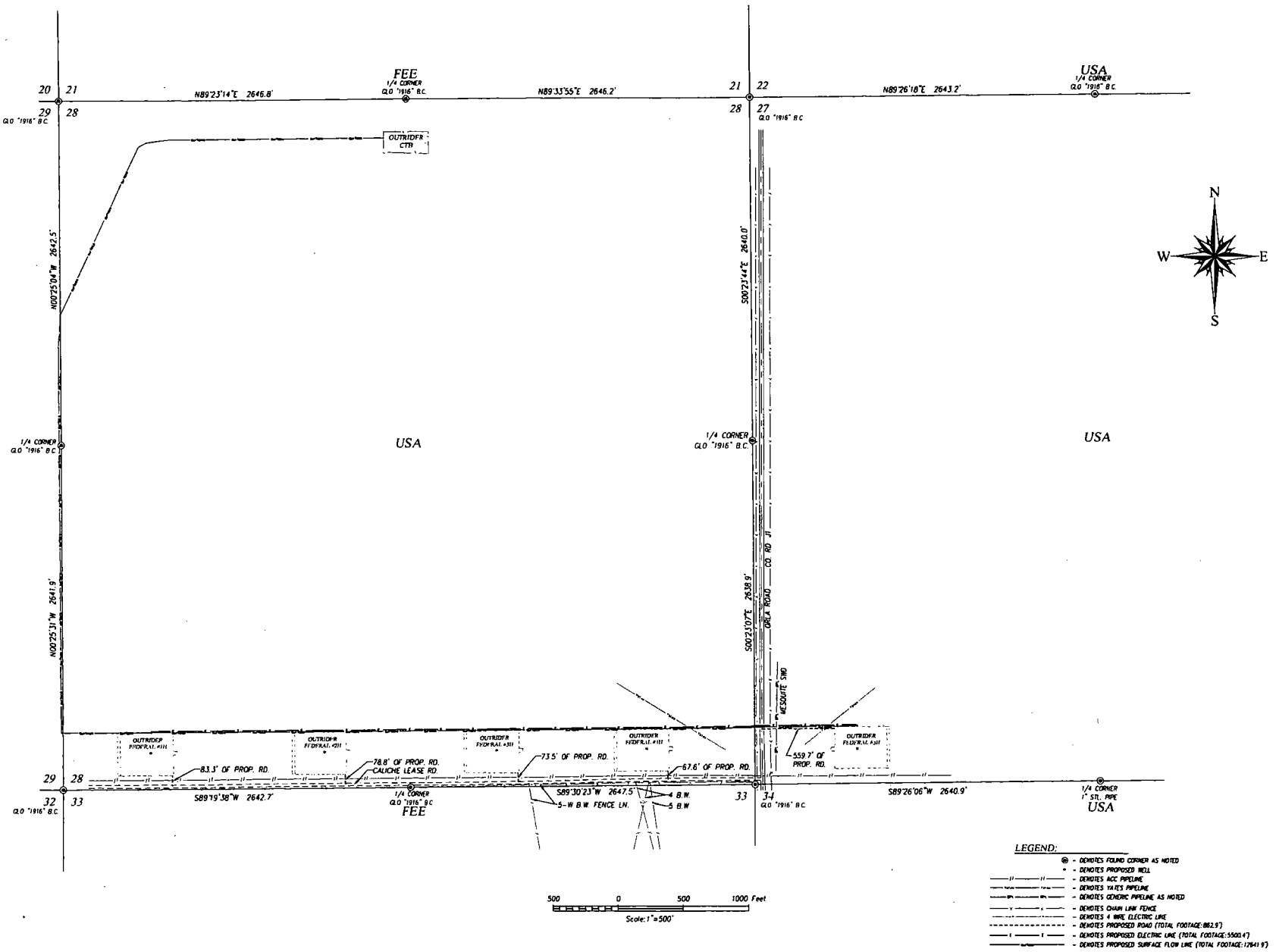
N

Wellbore

Interim Reclamation

Ditch & Berm

Topsoil



LEGEND:

- ⊕ - DENOTES FOUND CORNER AS NOTED
- • - DENOTES PROPOSED WELL
- DENOTES ACC PIPELINE
- DENOTES YATES PIPELINE
- DENOTES GENERIC PIPELINE AS NOTED
- DENOTES CHAIN LINK FENCE
- DENOTES 4 WIRE ELECTRIC LINE
- DENOTES PROPOSED ROAD (TOTAL FOOTAGE: 862.9')
- DENOTES PROPOSED ELECTRIC LINE (TOTAL FOOTAGE: 5500.4')
- DENOTES PROPOSED SURFACE FLOW LINE (TOTAL FOOTAGE: 17641.9')

Survey Date: 9/22/16	**Work Order No.:** 16.11.0706 & 16.13.0780
CAD Drafter & Date: ACK 9/29/16	**Revised Date:** 10/4/16

Anjelica\2016\XTO ENERGY\Lease Flow Maps\161307B0 Update Lease Flow Map for Outrider Federal #1H-#5H Wells in Secs 21,27,28, T24S, R32E

Scale: One Inch = One Hundred Feet **JWSC File No. D-**

XTO ENERGY

LEASE FLOW DIAGRAM FOR THE OUTRIDER FEDERAL #1H THROUGH #5H WELLS LOCATED IN SECTIONS 27 & 28 , TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

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BUREAU OF LAND MANAGEMENT

PWD Data Report
05/16/2018

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

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BUREAU OF LAND MANAGEMENT

Bond Info Data Report

05/16/2018

Bond Information

Federal/Indian APD: FED

BLM Bond number: COB000050

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

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BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report

05/16/2018

APD ID: 10400025935 **Submission Date:** 01/01/2018

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER FEDERAL **Well Number:** 2H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	---	3526	0	0	ALLUVIUM,OTHER : Quaternary	NONE	No
2	RUSTLER	2691	823	823	SANDSTONE	USEABLE WATER	No
3	TOP SALT	2386	1128	1128	SALT	NONE	No
4	BASE OF SALT	-952	4466	4466	SALT	NONE	No
5	DELAWARE	-1179	4693	4693	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	No
6	BRUSHY CANYON	-3634	7148	7148	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	No
7	BONE SPRING 1ST	-6166	9680	9680	SANDSTONE	NATURAL GAS,POTASH,OTHER : Produced Water	No
8	BONE SPRING 2ND	-6782	10296	10296	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	Yes

Section 2 - Blowout Prevention

Pressure Rating (PSI): 3M **Rating Depth:** 10802

Equipment: The blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 3M Hydril and a 13-5/8" minimum 3M Double Ram BOP. Max bottom hole pressure should not exceed 5021 psi
Requesting Variance? YES

Variance request: A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.
Testing Procedure: All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up on the 13-5/8" 5M bradenhead and flange, the BOP test will be limited to 3000psi. When nippling up on the 9-5/8", the BOP will be tested to a minimum of 3000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

Choke Diagram Attachment:

Outrider_Fed_3MCM_20180101084452.pdf

BOP Diagram Attachment:

Database:	EDM5002	**Local Co-ordinate Reference:**	Well Outrider Federal 2H
Company:	XTO ENERGY, INC.	**TVD Reference:**	RKB @ 3553.0usft (Scan Producer)
Project:	Lea County, NM	**MD Reference:**	RKB @ 3553.0usft (Scan Producer)
Site:	Outrider Federal 2H	**North Reference:**	Grid
Well:	Outrider Federal 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
860.0	860.0	Rustler			
1,167.0	1,167.0	Top Salt			
4,507.0	4,507.0	Base Salt			
4,737.0	4,737.0	Delaware			
5,638.0	5,638.0	Cherry Canyon			
7,204.0	7,204.0	Brushy Canyon			
8,384.0	8,384.0	Basal Brushy Canyon			
8,626.0	8,626.0	Bone Spring			
9,763.0	9,763.0	1st Bone Spring Ss			
10,354.0	10,353.0	2nd Bone Spring Ss			
10,566.1	10,547.0	2nd Bone Spring "T/B"			
10,709.3	10,655.0	2nd Bone Spring "B1"			
10,895.4	10,755.0	2nd Bone Spring "C"			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
10,229.0	10,229.0	0.0	0.0	Build 10.00°/100'
11,129.0	10,802.0	572.9	-4.4	EOC @ 90.00° Inc / 359.56° Azm / 10802.0' TVD
20,642.5	10,802.0	10,086.1	-76.7	TD @ 20642.5' MD, 10802.0' TVD

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BUREAU OF LAND MANAGEMENT

Operator Certification Data Report

05/16/2018

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: Stephanie Rabadue **Signed on:** 01/01/2018

Title: Regulatory Compliance Analyst

Street Address: 500 W. Illinois St, Ste 100

City: Midland **State:** TX **Zip:** 79701

Phone: (432)620-6714

Email address: stephanie_rabadue@xtoenergy.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address: