• $\mathbf{D7T} = 1011114 \text{ C} = 107 \text{D} = 620$

Chessy

10

Signature

Y 2R / 1-191114	I-C-107B 629			Revised March 23, 2017
RECEIVED: 11/14/19	REVIEWER: DM	TYPE: PLC	APP NO:	pDM1933730471
1		ABOVE THIS TABLE FOR OCD DIVISION USE DIL CONSERVATIO & Engineering Bure is Drive, Santa Fe,	N DIVISIO eau –	
	ADMINISTRATI			
	REGULATIONS WHICH REQUIRE			
Applicant: XTO Energy,			0G	RID Number: <u>5380</u>
Vell Name: Multiple Wel				: Multiple
ool: WC 015G-05 S233031	K (Wolfcamp) & Forty-nin	er Ridge; Bone Spring, V	<u>V. </u> Poc	ol Code: 98241 & 96526
1) TYPE OF APPLICATIO	IN	IDICATED BELOW	O PROCES	SS THE TYPE OF APPLICATION
A. Location – Span NSL B. Check one onl [1] Comminglin DHC	cing Unit – Simultane NSP _{(PROJECT} y for [1] or [11] ng – Storage – Measu CTB P LC	ous Dedication AREA) NSP (PROR/ Urement PC OLS		⊐sd
 WFX 2) NOTIFICATION REQU A. Offset operc B. Royalty, ove C. Application D. Notification 	itors or lease holders rriding royalty owner requires published n and/or concurrent c and/or concurrent c	□ IPI □ EOR e which apply. rs, revenue owners otice approval by SLO	d Oil Reco	FOR OCD ONLY FOR OCD ONLY Notice Complete Application Content Complete
G. For all of the H. No notice re	above, proof of not quired			
CERTIFICATION: I her administrative appro- understand that no notifications are sublimation	ival is accurate and action will be taken o	complete to the be on this application u	est of my k	
Note: State	ment must be completed by	/ an individual with manag	jerial and/or s	upervisory capacity.
			<u> / 4/ </u>	9
Tracie J. Cherry, Regulatory	Coordinator	D	ate	
Print or Type Name				

432-221-7379 Phone Number

tracie_cherry@xtoenergy.com e-mail Address

•

•

District II		of New Mexico d Natural Resources D	epartment		Form C-107-B August 1, 2011
811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St Francis Dr, Santa Fe, NM 87505	1220 S	RVATION DIVIS . St Francis Drive New Mexico 87505		Submit application to t office with one appropriate Dis	copy to the
APPLICATION	FOR SURFACE	COMMINGLING	G (DIVERSE	OWNERSHIP)	
	nergy, Inc (5380)				
OPERATOR ADDRESS: 6401 H	oliday Hill Rd. Bldg	5 Midland, TX 797	' 07		
APPLICATION TYPE:					
Pool Commingling Lease Commingli			Storage and Measur	ement (Only if not Surface	e Commingled)
LEASE TYPE: Fee Is this an Amendment to existing Orde Have the Bureau of Land Management Yes No	State Fede State Mo If t (BLM) and State Land	"Yes", please include	the appropriate O tified in writing o	rder No f the proposed comm	ingling
		L COMMINGLIN s with the following in			
(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes
WC 015G-05 S233031K (98241)	46 / 1300				
Forty-niner Ridge;	46 / 1300				
Bone Spring, W (96526)					
(4) Measurement type: Metering					1
(5) Will commingling decrease the value	of production? Yes (B) LEAS	No If "yes", descri	G	ng should be approved	
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by (4) Measurement type: Metering [of production? Yes (B) LEAS Please attach sheet: Supply? Yes No y certified mail of the prop	ENo If "yes", descri	G		
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by 	of production? Yes (B) LEAS Please attach sheet: supply? Yes No y certified mail of the prop Other (Specify) (C) POOL and	ENo If "yes", descri	G Iformation		
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by 	of production? Yes (B) LEAS Please attach sheet: supply? Yes No y certified mail of the prop Other (Specify) (C) POOL and	ENO If "yes", descri	G Iformation		
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by (4) Measurement type: Metering (1) Complete Sections A and E. 	of production? Yes (B) LEAS Please attach sheet: supply? Yes No y certified mail of the prop Other (Specify) (C) POOL and Please attach sheet: D) OFF-LEASE ST	ENO If "yes", descri	GLING offormation GLING offormation SUREMENT		
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by (4) Measurement type: Metering (1) Complete Sections A and E. 	of production? Yes (B) LEAS Please attach sheet supply? Yes No y certified mail of the prop Other (Specify) (C) POOL and Please attach sheets D) OFF-LEASE ST Please attached sheet supply? Yes No	ENO If "yes", descri	GLING offormation GLING offormation SUREMENT		
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by (4) Measurement type: Metering (4) Measurement type: Metering (1) Complete Sections A and E. (1) Is all production from same source of (2) Include proof of notice to all interest of (E) AI 	of production? Yes (B) LEAS Please attach sheet supply? Yes y certified mail of the prop Other (Specify) (C) POOL and Please attach sheets D) OFF-LEASE ST Please attached sheet supply? Yes Yes D) OFF-LEASE ST Please attached sheet supply? Yes DUITIONAL INFO Please attach sheets	ENO If "yes", descri ECOMMINGLIN Se COMMINGLIN s with the following in cosed commingling? LEASE COMMIN s with the following in ORAGE and MEA ts with the following in CORAGE and MEA	GUING offormation GLING offormation SUREMENT information application ty	, , 	
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by (4) Measurement type:Metering (4) Measurement type:Metering (1) Complete Sections A and E. (1) Is all production from same source of (2) Include proof of notice to all interest c (1) A schematic diagram of facility, include (2) A plat with lease boundaries showing (3) Lease Names, Lease and Well Numbe 	of production? Yes (B) LEAS Please attach sheet "supply? Yes Yes Na y certified mail of the prop Other (Specify) (C) POOL and Please attach sheet D) OFF-LEASE ST Please attached sheet supply? Yes DDITIONAL INFO Please attach sheets ding legal location. all well and facility locations, and API Numbers.	No If "yes", description SE COMMINGLIN with the following in consect commingling? LEASE COMMIN with the following in ORAGE and MEA ts with the following in RMATION (for all with the following in ons. Include lease numbe	GLING offormation GLING offormation SUREMENT information application ty formation rs if Federal or Stat)) pes)	
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by (4) Measurement type: Metering (4) Measurement type: Metering (1) Complete Sections A and E. (1) Is all production from same source of (2) Include proof of notice to all interest of (3) Include proof of notice to all interest of (4) (1) A schematic diagram of facility, include (2) A plat with lease boundaries showing 	of production? Yes (B) LEAS Please attach sheet supply? Yes y certified mail of the prop Other (Specify) (C) POOL and Please attach sheet D) OFF-LEASE ST Please attached sheet supply? Yes DDITIONAL INFO Please attach sheets ding legal location, all well and facility location; all well and facility location; ytrue and complete to the	No If "yes", description SE COMMINGLIN with the following in consect commingling? LEASE COMMIN with the following in ORAGE and MEA ts with the following in RMATION (for all with the following in ons. Include lease numbe	GLING oformation GLING oformation SUREMENT information application ty formation rs if Federal or Stat)) pes)	
 (5) Will commingling decrease the value (1) Pool Name and Code. (2) Is all production from same source of (3) Has all interest owners been notified by (4) Measurement type:Metering (4) Measurement type:Metering (1) Complete Sections A and E. (1) Complete Sections A and E. (1) Is all production from same source of (2) Include proof of notice to all interest of (2) Include proof of notice to all interest of (2) A plat with lease boundaries showing (3) Lease Names, Lease and Well Numbe 	of production? Yes (B) LEAS Please attach sheet supply? Yes Other (Specify) (C) POOL and Please attach sheets (C) POOL and Please attach sheets D) OFF-LEASE ST Please attached sheet supply? Yes DDITTIONAL INFO Please attach sheets ding legal location. all well and facility locations. all well and facility locations. rue and complete to the Yes Yes TT	No If "yes", description SE COMMINGLIN Se with the following in Se commingling? LEASE COMMIN Se with the following in ORAGE and MEA ts with the following in RMATION (for all with the following in ons. Include lease numbe best of my knowledge and	GLING offormation GLING offormation SUREMENT information application ty offormation rs if Federal or Stat d belief. ordinator)) pes)	

Receive

COPY BI Do not use thi	UNITED STATE EPARTMENT OF THE I UREAU OF LAND MANA NOTICES AND REPO is form for proposals to II. Use form 3160-3 (AP	NTERIOR GEMENT RTS ON WELLS drill or to re-enter an	OME	63
SUBMIT IN T	TRIPLICATE - Other ins	tructions on page 2	7. If Unit or CA/A NMNM70992	greement, Name and/or No. X
1. Type of Well ☑ Oil Well □ Gas Well □ Oth	ler		8. Well Name and N NASH UNIT 20	
2. Name of Operator XTO ENERGY INC		TRACIE J CHERRY rry@xtoenergy.com	9. API Well No. 30-015-45494	4
3a. Address 6401 HOLIDAY HILL RD BLD MIDLAND, TX 79707	G 5	3b. Phone No. (include area cod Ph: 432-221-7379		or Exploratory Area R RIDGE;BONE SP
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description)	11. County or Paris	sh, State
Sec 19 T23S R30E Mer NMP	NENE 90FNL 580FEL		EDDY COUN	ITY, NM
12. CHECK THE AP	PROPRIATE BOX(ES)	TO INDICATE NATURE (DF NOTICE, REPORT, OR O	THER DATA
TYPE OF SUBMISSION		ТҮРЕ С	DF ACTION	
🔀 Notice of Intent	□ Acidize	Deepen	□ Production (Start/Resume)	□ Water Shut-Off
_	□ Alter Casing	Hydraulic Fracturing	Reclamation	Well Integrity
□ Subsequent Report	Casing Repair	New Construction	Recomplete	☑ Other Surface Comminglin
Final Abandonment Notice	 Change Plans Convert to Injection 	Plug and Abandon Plug Back	Temporarily Abandon Water Disposal	Surface Commingin
If the proposal is to deepen directiona Attach the Bond under which the wor following completion of the involved testing has been completed. Final Ab determined that the site is ready for fi XTO Energy Inc. respectfully s Nash Deep East Tank Battery. Wells associated at this batter Nash Unit #201H / 30-015-454 Nash Unit #202H / 30-015-454 Nash Unit #203H / 30-015-454 Nash Unit #204H / 30-015-454 Nash Unit #206H / 30-015-454 Nash Unit #206H / 30-015-454 Nash Unit #207H / 30-015-454	operations. If the operation re- andonment Notices must be fil- nal inspection. ubmits this sundry notice y are: .94 .95 .96 .97 .98	sults in a multiple completion or rea ed only after all requirements, inclu	completion in a new interval, a Form 3 iding reclamation, have been complete	160-4 must be filed once
 I hereby certify that the foregoing is Name (Printed/Typed) TRACIE J 	Electronic Submission #4 For XTO	192447 verified by the BLM We ENERGY INC, sent to the Car Title REGU	all Information System Isbad	
Signature (Electronic S	ubmission)	Date 11/14/2	2019	
	THIS SPACE FC	R FEDERAL OR STATE	OFFICE USE	
Approved By onditions of approval, if any, are attached rtify that the applicant holds legal or equ	Approval of this notice does itable title to those rights in the to operations thereon.		COPY	Date

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.

(Instructions on page 2)

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional data for EC transaction #492447 that would not fit on the form

32. Additional remarks, continued

Nash Unit #208H / TBA Nash Unit #301H / 30-015-45500 Nash Unit #302H / 30-015-45501 Nash Unit #303H / 30-015-45502 Nash Unit #304H / TBA Nash Unit #402H / 30-015-45504 Nash Unit #403H / TBA Nash Unit #404H / 30-015-45505 Nash Unit #401H / 30-015-45503

NMOCD and NMSLO are being petitioned for like approval.

Working, royalty and overriding royalty interest owners are being notified of this application.

APPLICATION FOR POOL AND LEASE COMMINGLE Nash Deep East Tank Battery

XTO requests approval for the new Nash Deep East Tank Battery Section 23, 23S-30E (LAT. 32.2989985, LONG, -103.9134366). Wells flowing to the battery are listed on a separate attachment:

PROCESS FLOW DESCRIPTION AND ALLOCATION

The flow of production is shown in detail on the enclosed facility diagram. Also enclosed is a map detailing the lease boundaries, well locations and battery location. XTO Energy, Inc. (XTO) is requesting approval to allocate production to the wells by well test method. The facility will be constructed with eight (8) 3- phase test separators. Each test separator is equipped with a Coriolis test meter, gas orifice meter and water magnetic flow meter. Each well will be tested per the requirements specified in Hearing Order R-14299 and the attached testing schedule.

The inlet header is configured so wells are directed to either a test separator or a bulk production separator. The battery will be constructed with eight (8) horizontal 3-phase test separators. Each test separator will be equipped with a Coriolis test meter, gas orifice meter (EFM) and water turbine meter. After the test separators, oil production will be combined with the oil from the bulk production separator, sent through a horizontal heater treater, vapor recovery tower and then on to the oil storage tanks. The oil is will be sold through a LACT meter into the crude pipeline from the vapor recovery tower. Steel oil tanks are located at the facility; these will be utilized for overflow if needed. Oil from the tanks will be sold into the pipeline via LACT. Oil production will be allocated daily using a factor derived from the volume recorded on the Coriolis test meter and the LACT meter readings.

For wells that are not in test, production will be routed to a horizontal 3-phase bulk separator. Production from the bulk separator will be combined in the common oil line with the oil from the test separators (after metering) and sent to the storage tanks.

The LACT meter will be the custody transfer and royalty settlement point for oil.

Gas production from all wells will follow the same separation and measurement process as oil. Gas will be allocated daily based on the factor derived using the volume recorded on the EFM test/allocation meter on the test separators and the volume recorded on the gas sales meter. The gas sales meter will be the point of custody transfer and royalty settlement.

Gas can also be directed to a (metered) flare on location, downstream of the allocation meters, in case of emergency or restricted pipeline capacity.

All water from the batteries is metered from the test separators using a magnetic meter. Water will be stored in steel tanks at the battery then sent through a magnetic flow meter to the water takeaway pipeline.

Summary:

The oil and gas meters will be installed, proven and calibrated upon installation and on a regular basis thereafter per API and NMOCD specifications.

The working interest, royalty interest and overriding royalty interest owners have been notified of this proposal by certified mail (see attached).

Pursuant to Statewide rule 19.15.12.10(C)(4)(g) XTO requests the option to include all future wells drilled in these pools and leases.

The commingling of production is in the interest of conservation and minimizing waste and will result in the most effective and economic means to maximize the ultimate economic recovery of the reserves in place from the affected wells. The proposed commingling and allocation will not result in reduced royalty or improper measurement. The proposed commingling will reduce the surface facility footprint and overall emissions.

XTO understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument

Well Name	API	Loc ¼, ¼, Sec. Twp,	583 (120 ac) Pool (NMOCD Pool	BOPD	Grav	MCFPD	BTU
(Property Code)		Rng	Code)		Grav	WICFPD	ВЮ
Nash Unit #201H	30-015-45494	SHL: NENE Sec 19 T23S-R30E BHL: SESE Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)	1500	46	3300	1330
Nash Unit #202H	30-015-45495	SHL: NENE Sec 19 T29S R30E BHL: SESE Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #203H	300154549600	SHL: NWNE Sec 19 T23S-R30E BHL: NWNE Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #204H	300154549700	SHL: NWNE Sec 19 T23S-R30E BHL: NWNE Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #205H	ТВА	SHL: NENW Sec 19 T23S-R30E BHL: NENW Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #206H	300154549800	SHL: SESW Sec 18 T23S-R30E BHL: NENW Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #207H	300154549900	SHL: NWNW Sec 18 T23S-R30E BHL: NWNW Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #208H	ТВА	SHL: NWNW Sec 18 T23S-R30E BHL: NWNW Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #301H	300154550000	SHL: NENE Sec 19 T23S-R30E BHL: SESE Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #302H	300154550100	SHL: NWNE Sec 19 T23S-R30E BHL: NWNW Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				
Nash Unit #303H	30-015-45502	SHL: SESW Sec 18 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)				

÷.

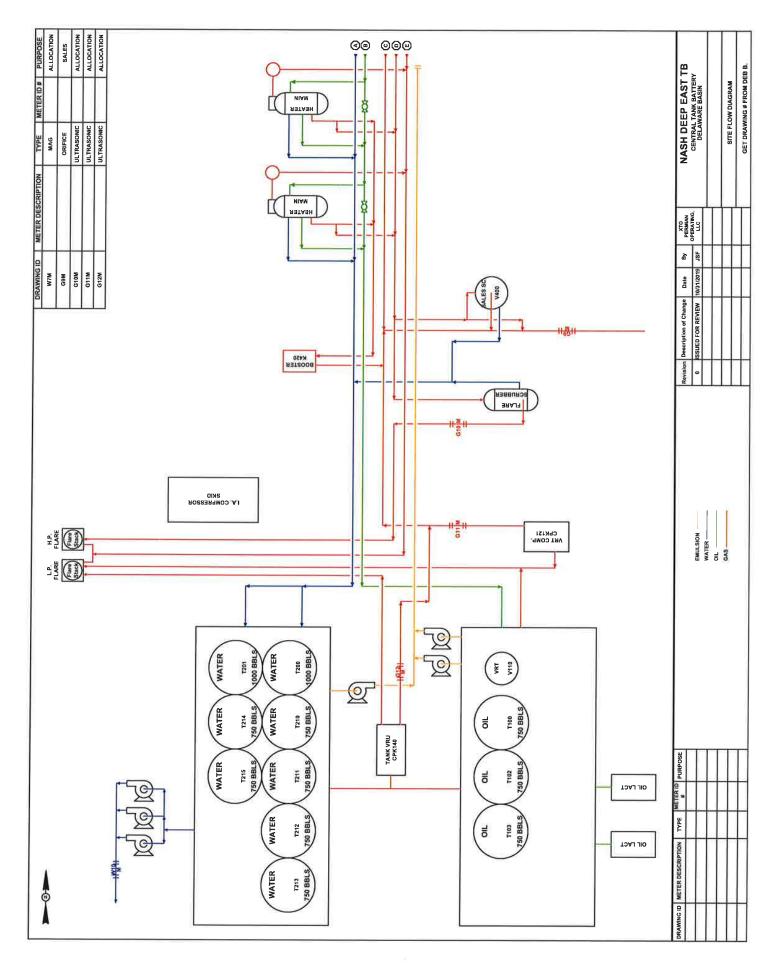
		BHL: NENW Sec 06 T23S-R30E			
Nash Unit #304H	TBA	SHL: NWNW Sec 18 T23S-R30E BHL: NWNW Sec 06 T23S-R30E	Forty-Niner Ridge; Bone Spring, W (96526)		

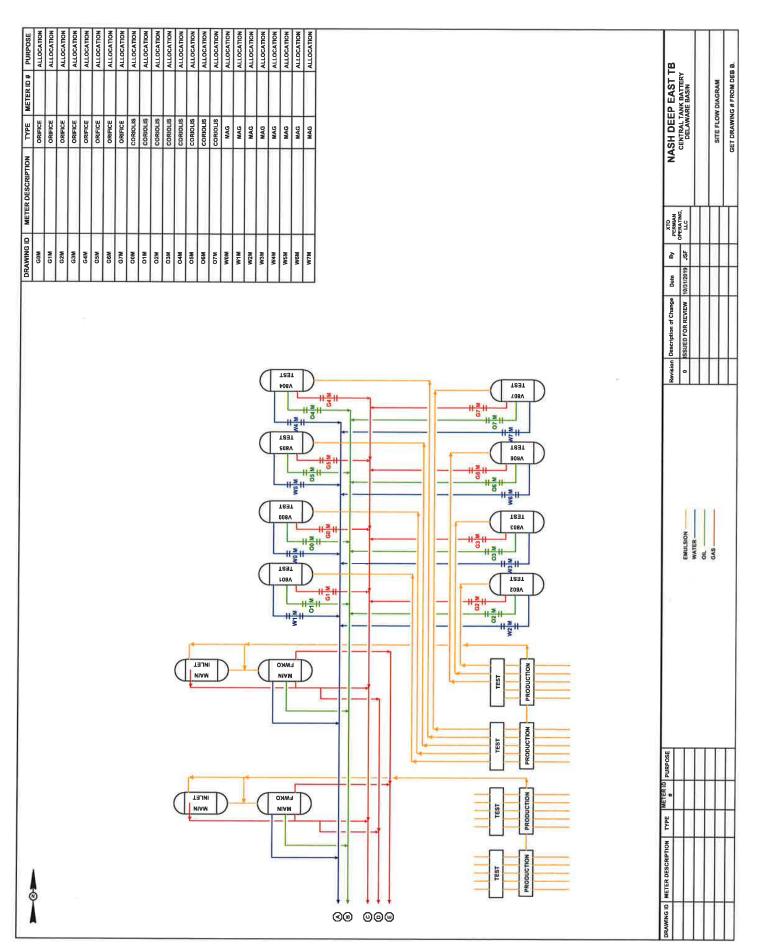
Federal Lease: Partici (Wolfca		NMNM0	556863 (400 ac), NMNM019 556857 (200 ac) 12.5% Fed 033583 (120 ac)			, &	
Well Name (Property Code)	API	Loc ¼, ¼, Sec. Twp, Rng	Pool (NMOCD Pool Code)	BOPD	Grav	MCFPD	BTU
Nash Unit #402H	300154550400	SHL: NWNE Sec 19 T23S-R30E BHL: SWNW Sec 36 T26S- R29E	WC 015G-05 S233031K (98241)	1600	46	4300	1330
Nash Unit #403H	ТВА	SHL: NENW Sec 19 T23S-R30E BHL: NENW Sec 06 T23S-R30E	WC 015G-05 S233031K (98241)				
Nash Unit #404H	30-015-45505	SHL: NWNW Sec 18 T23S-R30E BHL: NWNW Sec 06 T23S-R30E	WC 015G-05 S233031K (98241)				
Nash Unit #401H	300154550300	SHL: NENE Sec 19 T23S-R30E BHL: SESE Sec 06 T23S-R30E	WC 015G-05 S233031K (98241)				

Wells have not been completed. Production rates and quality are estimated based on offset well performance and are expected to be within the ranges shown.

Oil that is sold at this facility with a gravity above 44 degrees but below 50 degrees is sold as "WTI Light" with no deductions. Combining the production from the two formations is not expected to impact the value.

Price for MMBTU is the combined BTU value at the sales meter. Given the expected similarity of BTU contents, there should be no significant price difference or sensitivity to allocation factors when combining the production from the two formations.





Page 10 of 32

Selected Nash wells Eddy Co., NM October 9, 2019

35 NMLC 0064829 NMNM 023179	V030722 36 V028952	19 19 19 19 19 19 19 19 19 19 19 19 19 1	V082462 32 V082672	NMNM 0553798 JA 33 RANCH; NMNM 0002952
BIG EDDY; E052327 2	NMNM 010776 0499988	Mash Unit #204H Nash Unit #204H Nash Unit #204 Habi Unit #2040 Habi Unit #2040	5	еззбазое NMNM 135243 4 NMNM 0543280
<mark>ммим 0554221</mark> 11	NMNM 0556859A 12 NMNM 014140 NASH; NMNM 017589	Nash Unit #200H Nash Nash Unit #201H Nash Nash Unit #205H Nash Unit #205H Nash Unit #204H Nash Unit #205H NASH Unit 204H NASH UNIT 202H ASH UNIT 202H	NMNM 104965 8 FNR UNIT	FORTY-NINER RIDGE; 9
NMNM 14 0554223 NMNM NMNM 0556860 NMNM 029684	NMNM 017589	2339 0342 0 189W HIGZ JUND 189W LL0339583 NM/NM 18 0556857	0235-030E	1]6 E0522911
NMNM 103603 23	E0589410 224 E058949	6 10 3 9 10 4 E0522911 19 NMNM 017056 NMNM 113963	0543827 20 NMNM 104965	21 <mark>NMNM</mark> 0543827 NMNM 018996 104965

1/2 0 1 Mile ŀ 2,000 4,000

8.000 Feet

surface hole location ----- wellbore - spud ----- wellbore - not spud BLM Active Unit State Lease Federal Lease

ObjID	Well Name	Scheduled Spud Date	ObjiD	Well Name	Scheduled Spud Date
1	Nash Unit #201H	12/20/2018	9	Nash Unit #301H	3/16/2019
2	Nash Unit #202H	4/29/2019	10	Nash Unit #302H	4/12/2019
3	Nash Unit #203H	1/11/2019	11	Nash Unit #303H	7/13/2020
4	Nash Unit #204H	6/2/2019	12	Nash Unit #304H	8/1/2020
5	Nash Unit #205H	2/28/2020	13	Nash Unit #401H	1/27/2019
6	Nash Unit #206H	2/9/2020	14	Nash Unit #402H	2/21/2019
7	Nash Unit #207H	3/31/2020	15	Nash Unit #403H	4/19/2020
8	Nash Unit #208H	6/11/2020	16	Nash Unit #404H	5/21/2020



Date: November 7, 2019

From: Austin Bridwell, Adedeji Agunloye

Re: Bone Spring Formation Commingling Application well test schedule Nash Unit Eddy County, New Mexico

Proposed Nash Unit Producers:

Well Name	Regulatory: API Number	Zone: Zone	Status
Nash Unit #201H	300154549400	Bone Spring 2 Sand	Drilled
Nash Unit #202H	300154549500	Bone Spring 2 Sand	Drilled
Nash Unit #203H	300154549600	Bone Spring 2 Sand	Drilled
Nash Unit #204H	300154549700	Bone Spring 2 Sand	Drilled
Nash Unit #301H	300154550000	Bone Spring 3 Sand	Drilled
Nash Unit #302H	300154550100	Bone Spring 3 Sand	Drilled
Nash Unit #303H	300154550200	Bone Spring 3 Sand	Drilled
Nash Unit #205H		Bone Spring 2 Sand	Pending
Nash Unit #206H	300154549800	Bone Spring 2 Sand	Pending
Nash Unit #207H	300154549900	Bone Spring 2 Sand	Pending
Nash Unit #208H		Bone Spring 2 Sand	Pending
Nash Unit #304H		Bone Spring 3 Sand	Pending

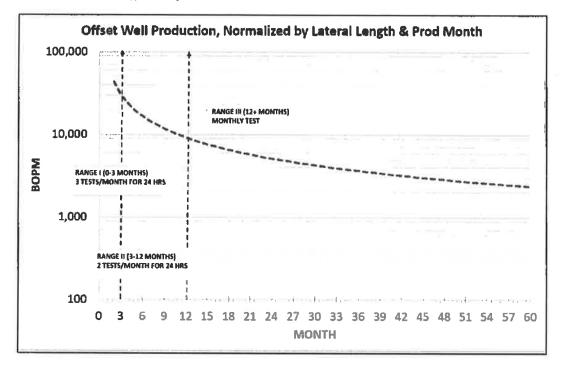
Regarding the application for a pool/lease commingle for the Nash unit wells, the production decline of the wells is in accordance with the production decline presented in Order R-14299.

Seven of the twelve subject wells have been drilled but yet to be put online (into production), while the other Eight wells are yet to be drilled.

The ranges of decline and recommended testing schedule is: Range 1 = 0-3 months, testing at least three (3) times a month for 24 hrs Range 2 = 3-12 months, testing at least twice a month for 24 hrs Range 3 = 12+ months, testing monthly for 24 hrs

Austin Bridwell

Reservoir Engineer Delaware Basin Subsurface Team



Hyperbolic Decline Type Curve for Nash Unit

2

ï



Date: November 7, 2019

To:

From: Austin Bridwell, Adedeji Agunloye

Re: Wolfcamp Formation Commingling Application well test schedule Nash Unit Eddy County, New Mexico

Proposed Nash Unit Producers:

Well Name	Regulatory: API Number	Zone: Zone	Status
Nash Unit #402H	300154550400	Wolfcamp X/Y	Drilled
Nash Unit #401H	300154550300	Wolfcamp Y	Drilled
Nash Unit #403H		Wolfcamp X/Y	Pending
Nash Unit #404H	300154550500	Wolfcamp X/Y	Pending

Regarding the application for a pool/lease commingle for the Nash unit wells, the production decline of the wells is in accordance with the production decline presented in Order R-14299.

Two of the 4 subject wells have been drilled but yet to be put online (into production), while the other Eight wells are yet to be drilled.

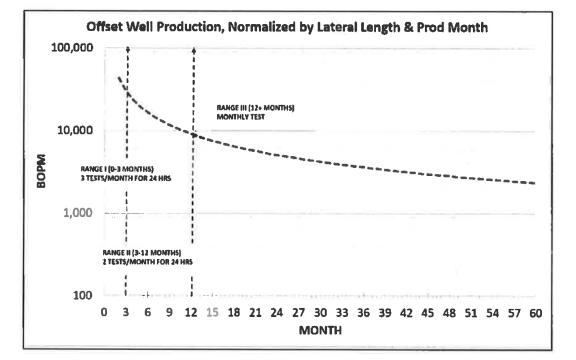
The ranges of decline and recommended testing schedule is: Range 1 = 0.3 months, testing at least three (3) times a month for 24 hrs Range 2 = 3.12 months, testing at least twice a month for 24 hrs Range 3 = 12+ months, testing monthly for 24 hrs

Austin Bridwell

ust 3 ughell

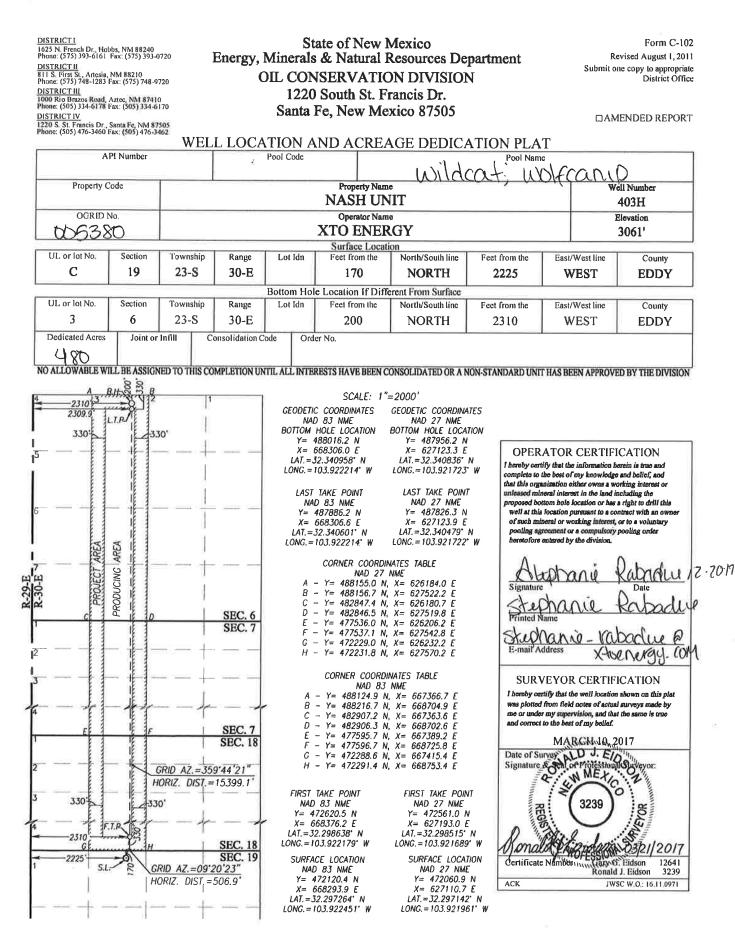
Reservoir Engineer

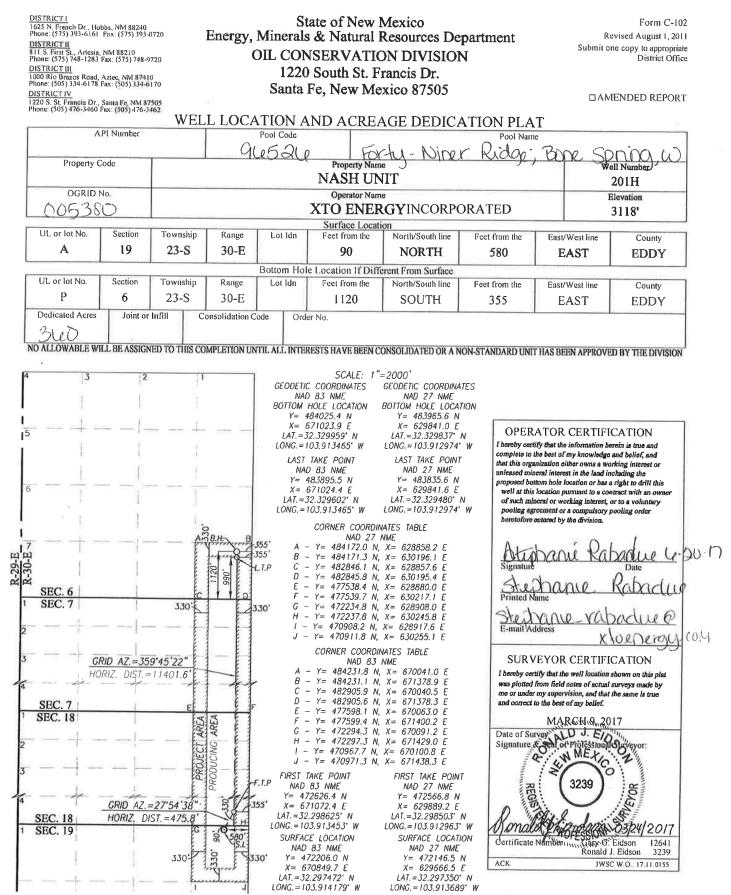
Delaware Basin Subsurface Team

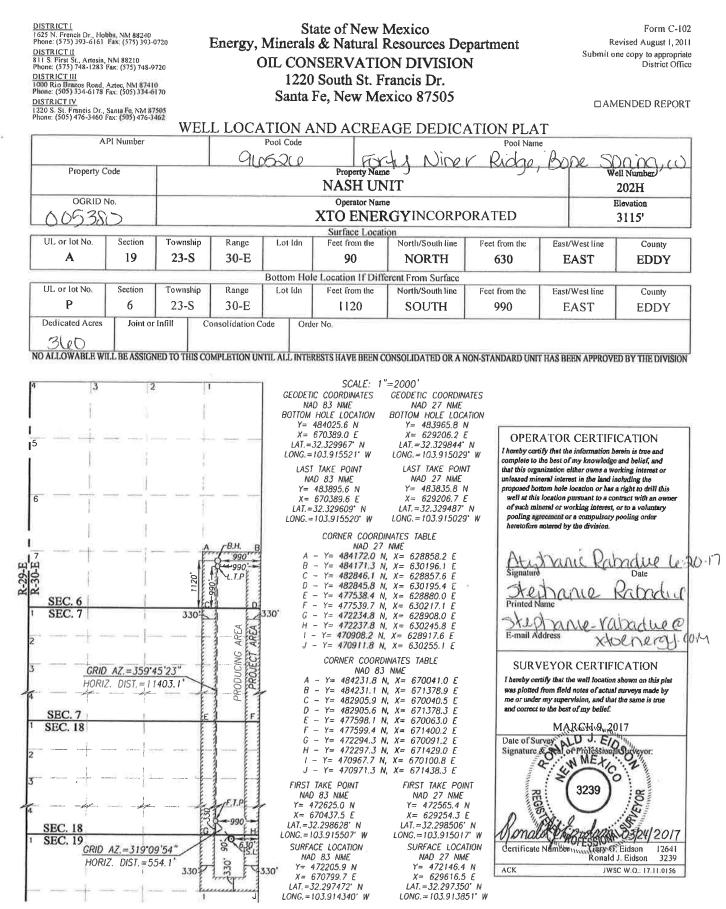


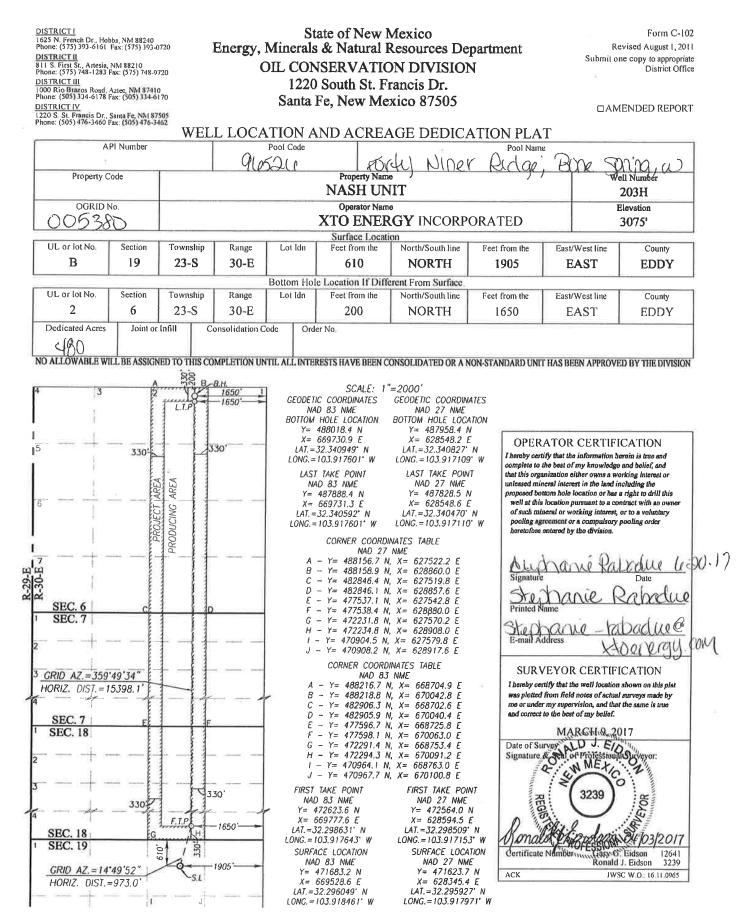
Hyperbolic Decline Type Curve for Nash Unit

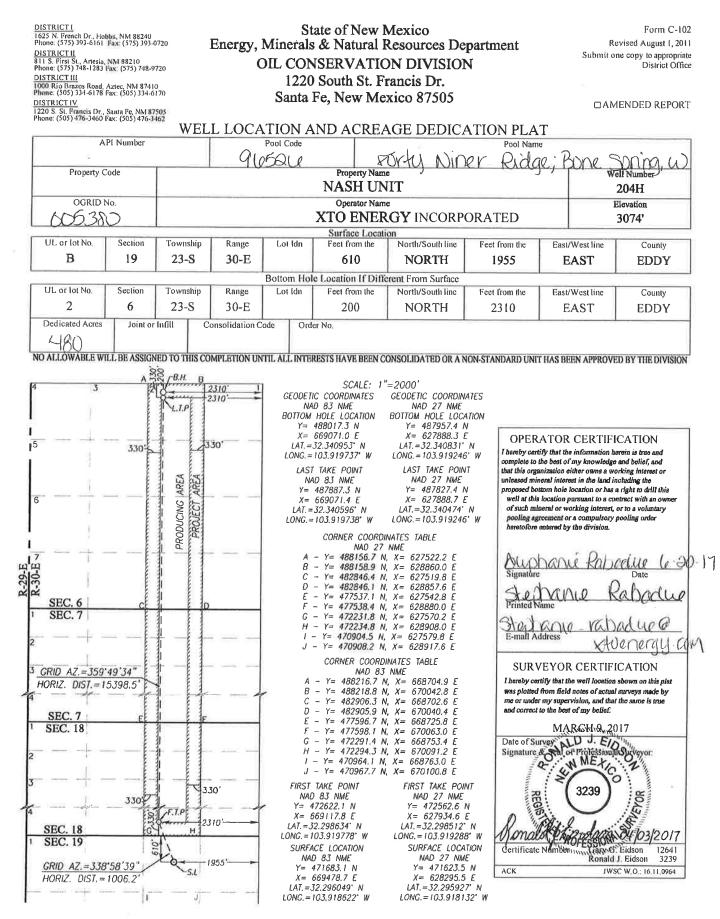
2

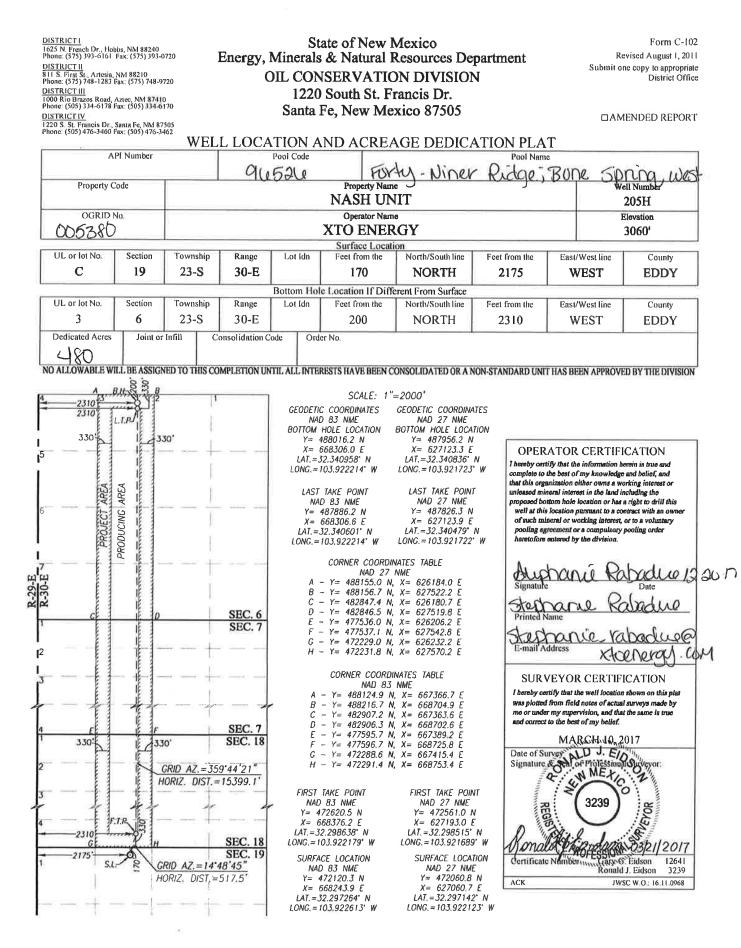


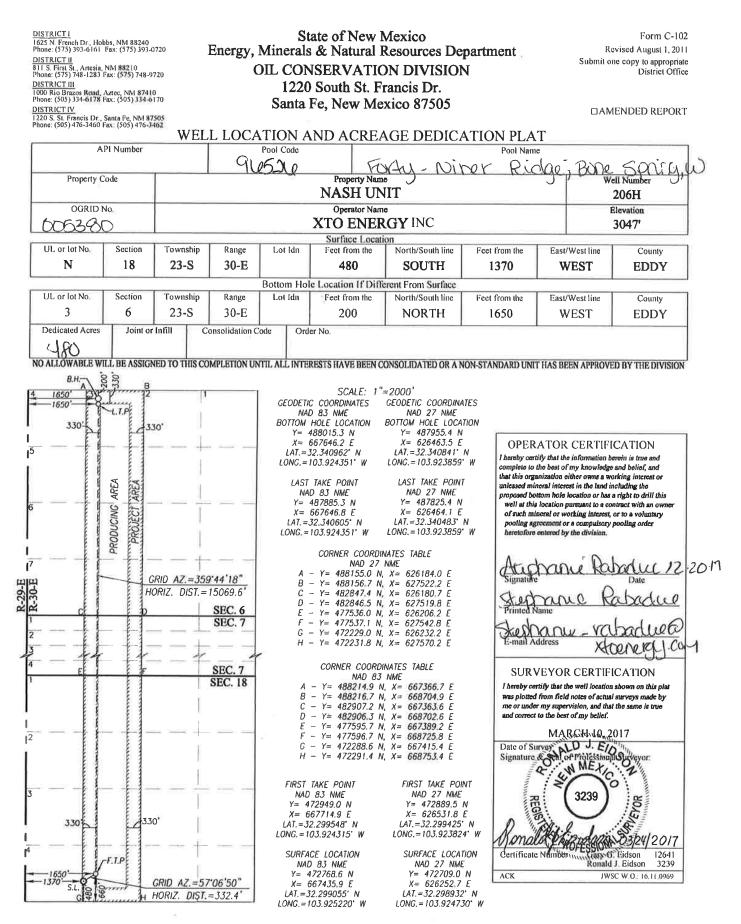


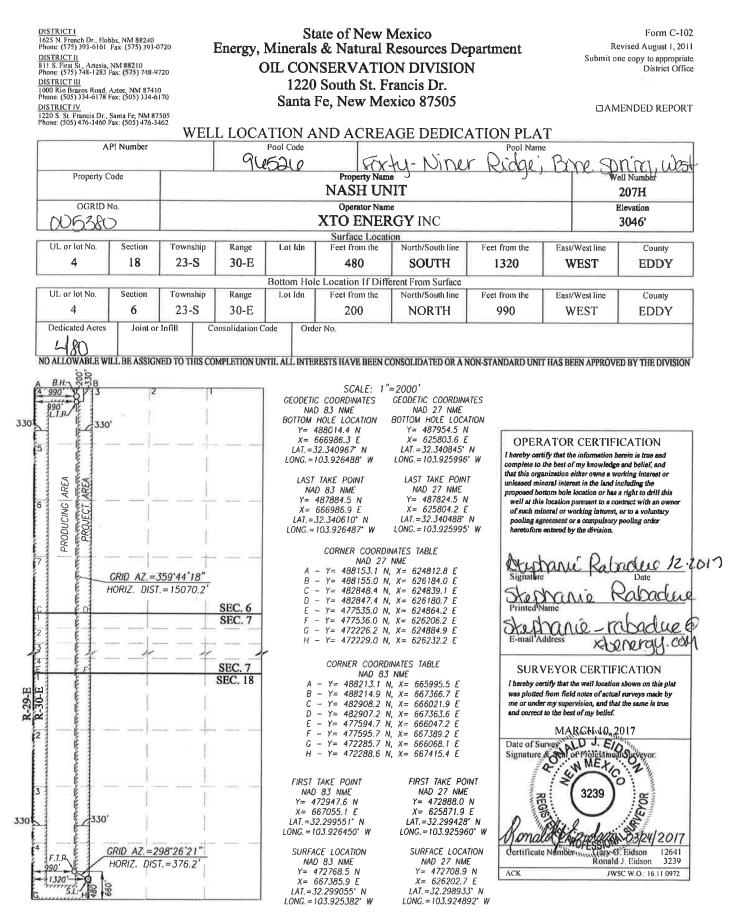


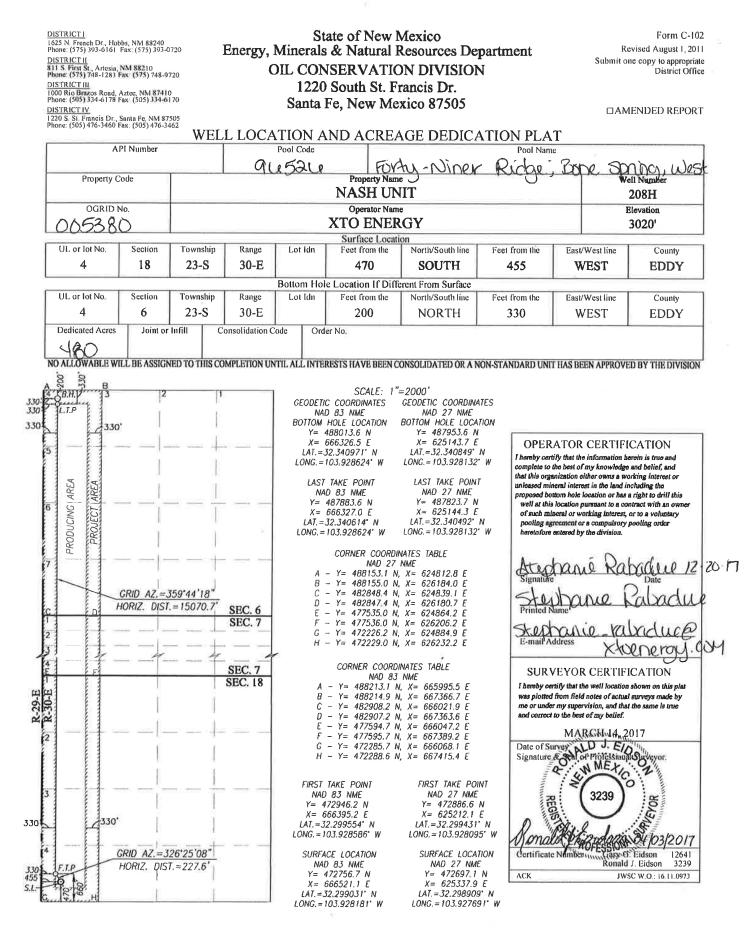


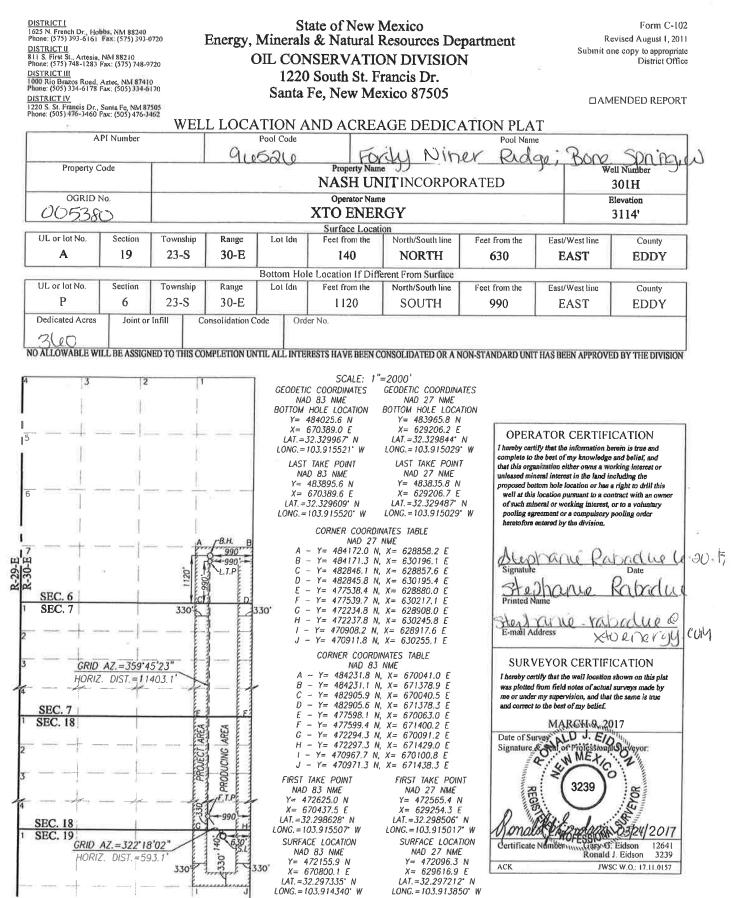


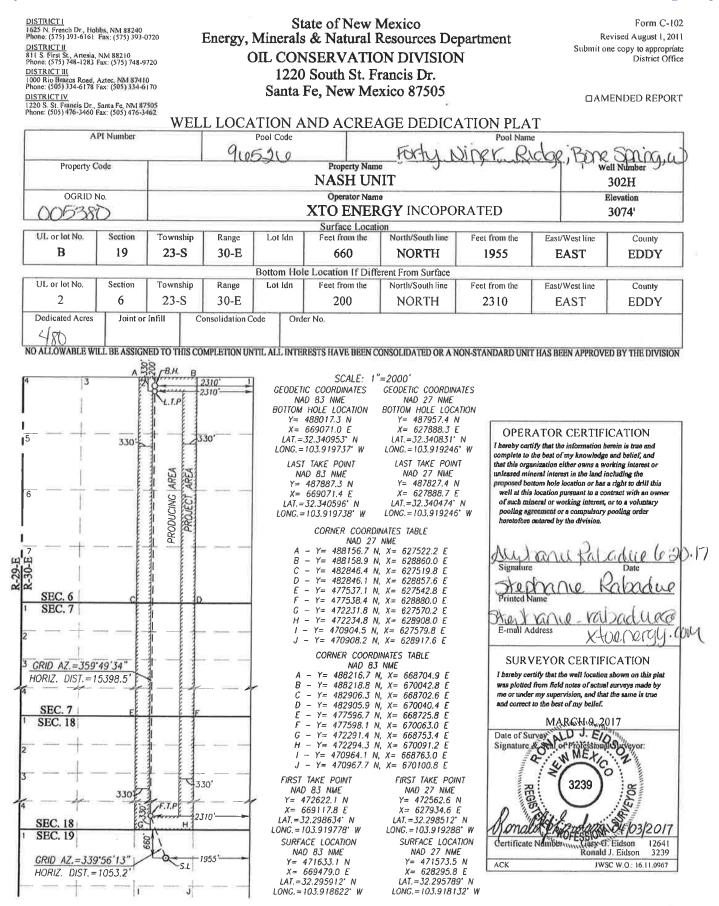


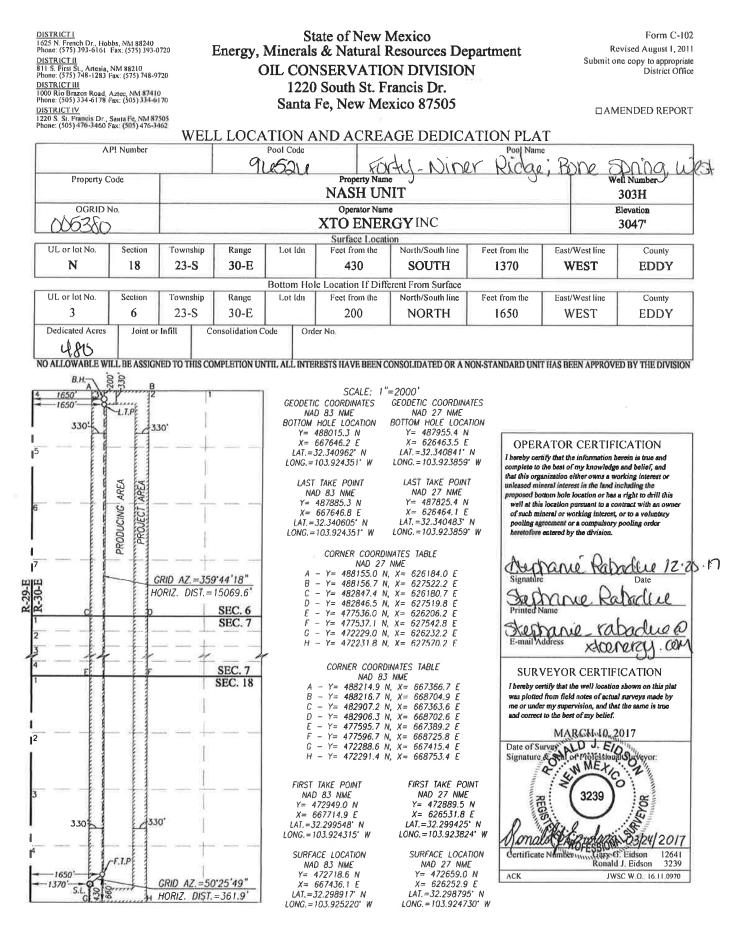


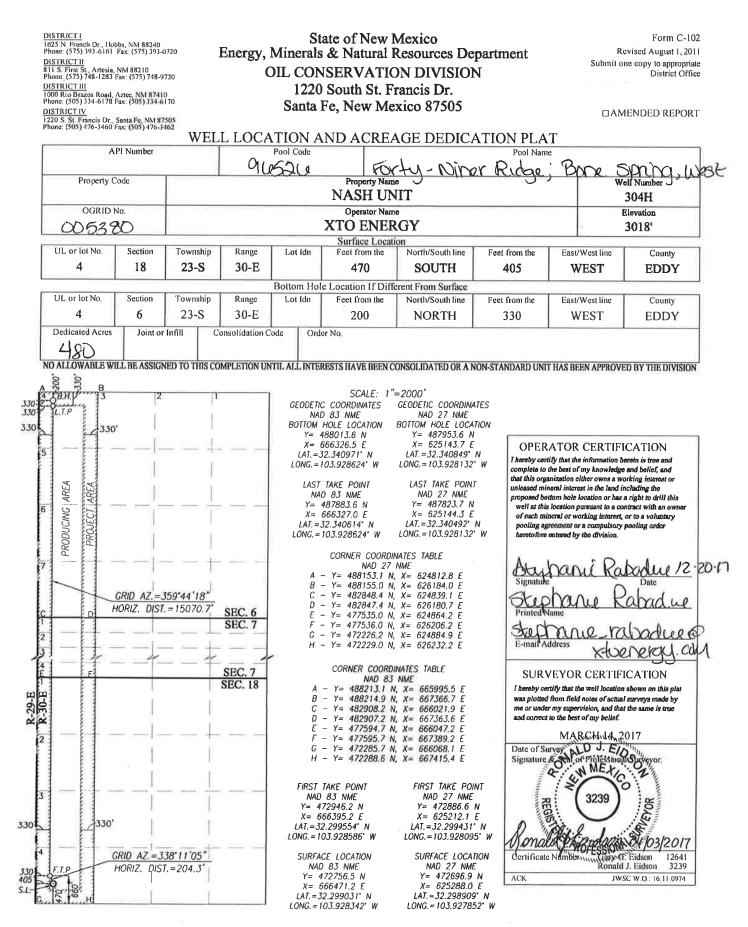


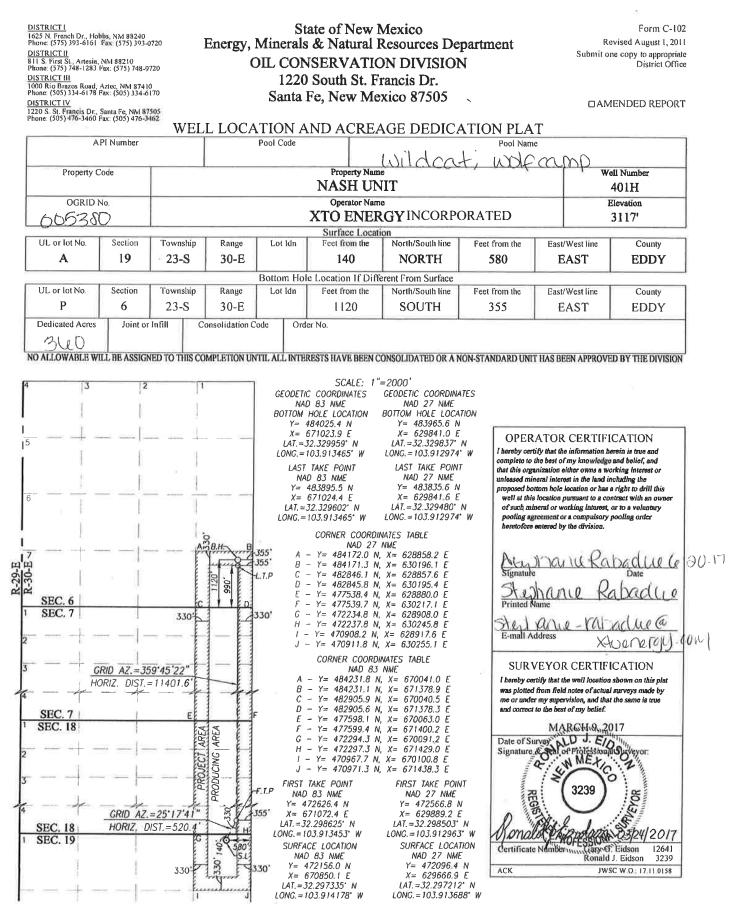


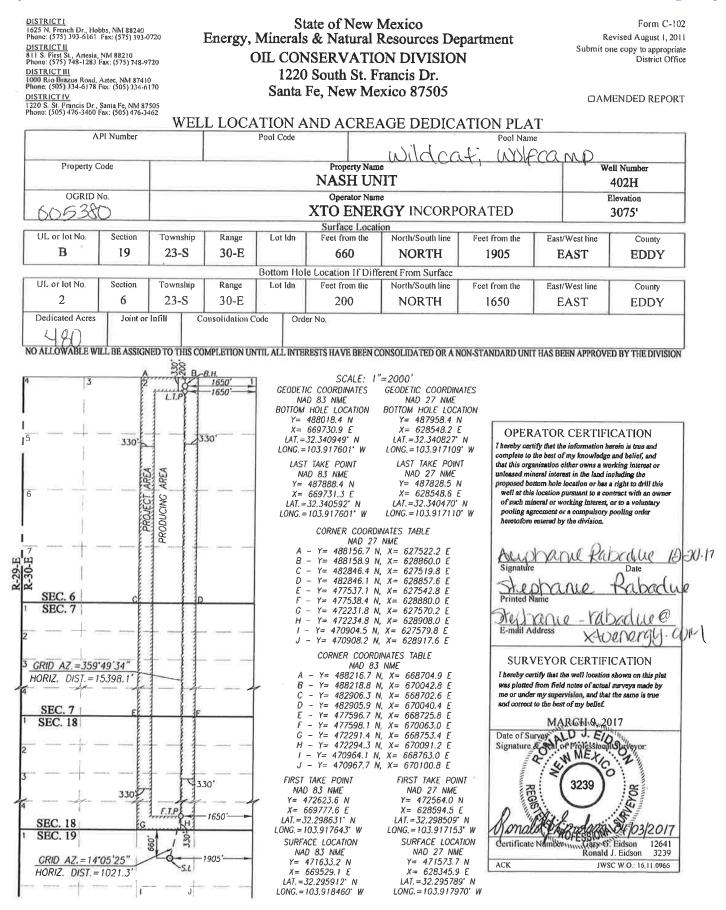












Property Code

OGRID No.

18

6

005330

UL or lot No.

4

UL or lot No.

4

Dedicated Acres

000

AREA

AREA

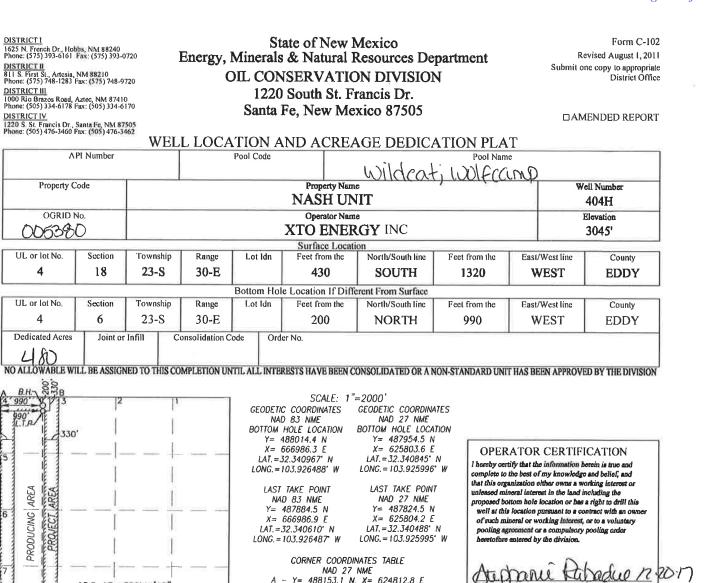
330

990

330

990'

DISTRICT III



Page 31 of 32

.Col

Veyor 1

g

JWSC W.O.: 16.11.0975

iary O. Eidson

Ronald J. Eidson

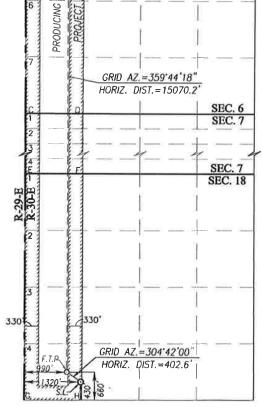
2017

12641

3239

MARCH 10, 2017

3239



488153.1 N, X= 624812.8 E Y =- Y= 488155.0 N, X= 626184.0 E - Y= 482848.4 N, X= 624839.1 E - Y= 482847.4 N, X= 626180.7 E E - Y= 477535.0 N, X= 624864.2 E - Y= 477536.0 N, X= 626206.2 E Y= 472226.2 N, X= 624884.9 E Y= 472229.0 N, X= 626232.2 E CORNER COORDINATES TABLE SURVEYOR CERTIFICATION NAD 83 NMF Y= 488213.1 N, X= 665995.5 E I hereby certify that the well location shown on this plat 8 - Y= 488214.9 N. X= 667366.7 E was plotted from field notes of actual surveys made by -Y =482908.2 N, X= 666021.9 E me or under my supervision, and that the same is true and correct to the best of my belief. - Y= 482907.2 N, X= 667363.6 E E - Y = 477594.7 N, X = 666047.2 EF - Y = 477595.7 N, X = 667389.2 EDate of Survey LDD E Elong G - Y = 472285.7 N, X = 666068.1 EH - Y= 472288.6 N, X= 667415.4 E FIRST TAKE POINT FIRST TAKE POINT NAD 83 NME NAD 27 NME Y= 472947.6 N Y= 472888.0 N X= 667055.1 E X= 625871.9 E LAT.=32.299428' N LAT. = 32.299551° N LONG. = 103.925960* W LONG. = 103.926450' W SURFACE LOCATION SURFACE LOCATION Certificate Namberin NAD 83 NME NAD 27 NME Y= 472658.9 N Y= 472718.4 N ACK X = 667.386.1 EX = 626202.9 ELAT. = 32.298917* N LAT.=32.298795" N

LONG. = 103.924892" W

В

С

D

G _

Н

A

Ĉ

D

LONG. = 103.925382' W

_

Certified Mailing Number	Name		Address	City	State	Zip
7019 0700 0001 0025 7199	BENJAMIN JACOB OAKES		3214 HICHORY GROVE LN	MIDLAND	X	79701-0000
7019 0700 0001 0025 7205	BERNICE J BRADSHAW CHARITABLE TRUST	WELLS FARGO BANK NA TTEE	PO BOX 40909	TULSA	Ş	74121-1468
7019 0700 0001 0025 7212	CAROL ANN HOFFMAN MNGMT TRUST	CAROL ANN HOFFMAN TRUSTEE	1854 W CAPE COD WAY	MIDLAND	Ĕ	79701-0000
7019 0700 0001 0025 7229	CONCHO RESOURCES INC	DBA COG OPERATING LLC ERIC CLARK AIF	ONE CONCHO CENTER, 600 W. ILLINOIS AVE	MIDLAND	¥	79702-0000
7019 0700 0001 0025 7236	DAVID TRENT DALTON		1385 HOMESTEAD	ARTESIA	WN	88210-0000
7019 0700 0001 0025 7243	ELIZABETH ANN CLINE		15400 WHISTLING STRAITS DR	ALBUQUERQUE	WN	87103-0000
7019 0700 0001 0025 7250	ELIZABETH T. OVERLY		11410 SHADOW WAY STREET	MCKINNEY	¥	75070-0000
7019 0700 0001 0025 7267	FRANKLIN J BRADSHAW FAM TR FBO MARILYN B REAGAN TR	WELLS FARGO BANK NA TTEE	PO BOX 40909	KEMPNER	¥	76539-5056
7019 0700 0001 0025 7274	HUTCHINGS OIL CO.		PO BOX 1216	AUSTIN	Ĕ	78704-0000
7019 0700 0001 0025 7281	INNOVENTIONS INC		PO BOX 40	MIDLAND	Ĕ	79710-0000
7019 0700 0001 0025 7298	KAISER FRANCIS OIL COMPANY		PO BOX 21468	FORT WORTH	¥	76147-0698
7019 0700 0001 0025 7304	LAVINIA SCHREUDER TR	WELLS FARGO BANK NA TTEE	PO BOX 40909	CHESTERFIELD	QW	63017-7403
7019 0700 0001 0025 7311	LAWRENCE J BRADSHAW SPECIAL NEEDS TR	WELLS FARGO BANK CONSERVATOR	PO BOX 40909	MIDLAND	ΧĽ	79702-0000
7019 0700 0001 0025 7328	MARK B MURPHY IRREV TR	MARK B MURPHY TTEE	PO BOX 2484	ALBUQUERQUE	N	87103-0000
7019 0700 0001 0025 7335	MATTHEW DAVID OAKES		116 N JOHNSON AVE	ROSWELL	MZ	88202-2484
7019 0700 0001 0025 7342	MCMULLEN MINERALS LLC	ATTN WILLIAM MALLOY	PO BOX 470857	ALBUQUERQUE	MN	87103-0000
7019 0700 0001 0025 7359	MEC PETROLEUM CORPORATION		PO BOX 11265	ARTESIA	MN	88210-0000
7019 0700 0001 0025 7366	MILLIS JEFFREY OAKES		21302 CASTLEMONT LN	PEARLAND	¥	77584-0000
7019 0700 0001 0025 7373	MILTON R. FRY		11014 HIDDEN BEND DR.	KEMPNER	¥	76539-5056
7019 0700 0001 0025 7380	MITCHELL EXPLORATION INC		6212 HOMESTEAD BLVD	MIDLAND	Υ	79702-8265
7019 0700 0001 0025 7397	MURCHISON OIL & GAS COMPANY		PO BOX 21228 DEPT 37	ROSWELL	WN	88202-2484
7019 0700 0001 0025 7403	OLIN BRENT DALTON		335 GRANITE ROW	KEMPNER	¥	76539-5056
7019 0700 0001 0025 7410	PEGASUS RESOURCES LLC		PO BOX 470698	HOUSTON	¥	77064-0000
7019 0700 0001 0025 7427	PERMIAN BASIN INVESTMENT CORP	C/O PATRICIA RUTLEY	302 W TILDEN	ARTESIA	WN	88210-0000
7019 0700 0001 0025 7434	ROBIN L MORGAN		135 WEST COTTONWOOD RD	MIDLAND	¥	79710-0000
7018 2290 0001 1289 5429	RUTTER & WILBANKS		PO BOX 3186	SOUTHLAKE	¥	76092-0000
7018 2290 0001 1289 5412	SOUTHWEST ROYALTIES INC		PO BOX 53570	AUSTIN	¥	78704-0000
7018 2290 0001 1289 5405	STEPHEN WILLIAM OAKES		4700 SPANISH MOSS	SPRING	¥	77389
7018 1130 0001 5531 4484	SUSAN S MURPHY MARITAL TR	SUSAN S MURPHY TTEE	PO BOX 2484	ROSWELL	ΜN	88202-2484
7018 1130 0001 5531 4491	THOMAS J DEPKE		2027 COUNTRY FIELD DRIVE	HOUSTON	Ĕ	77024-5215
7018 1130 0001 5531 4507	WAYNE NEWKUMET		PO BOX 11330	MIDLAND	¥	79702-0000
7016 1970 0000 4404 3770	WILLIAM C LONQUIST JR		PO BOX 92032	ROSWELL	MN	88203-0000

l, Tracie J Cherry, do hereby certify the interest owners for the well(s) in the Nash Deep East Tank Battery were furnished a copy of XTO's application, via certified mail on this date.

Signed: Tracie \$ litle:

Page 32 of 32

Received by OCD: 11/14/2019 1:00:00 PM

XTO Energy Inc Certified Mailing List Nash Deep East Tank Battery

> Regulato Date: