

Coversheet

DATE IN 08/09/13	SUSPENSE	ENGINEER PRG	LOGGED IN 08/15/2013	TYPE DHC	PPRG 1322755417
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

XTO Energy
Sullivan A #1F
30-045-35372

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

[A] ☒ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

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[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

KRISTEN D. LYNCH

Kristen D. Lynch

REGULATORY ANALYST

08/15/2013

Print or Type Name

Signature

Title

Date

Kristen_lynch@xtoenergy.com
 e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☐ Yes ☒ No

APPLICATION FOR DOWNHOLE COMMINGLING

XTO ENERGY, INC. 382 CR 3100, AZTEC NM 87413

Operator Address
SULLIVAN A #1F UNIT LETTER (L) SEC 25, T29N, R11W

Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 5380 Property Code 22835 API No. 30-045-35372 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	OTERO CHACRA	ARMENTA GALLUP	BASIN DAKOTA
Pool Code	82329	02290	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2,765' - 5,355' 2782' - 2898'	5,335' - 6,205' 5,336' - 5,915'	6,205' - 6,450' 6,199' - 6,389'
Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	1100 psig	1240 psig	1470 psig
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1167 BTU	1254 BTU	1196 BTU
Producing, Shut-In or New Zone	NEW ZONE	NEW ZONE	NEW ZONE
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil / Gas / 0 % 25 %	Oil / Gas / 87 % 23 %	Oil / Gas / 13 % 52 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☐ No ☒
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☒ No ☐

Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kristen D. Lynch TITLE REGULATORY ANALYST DATE 08/05/13

TYPE OR PRINT NAME KRISTEN D. LYNCH TELEPHONE NO. (505)333-3206

E-MAIL ADDRESS kristen_lynch@xtoenergy.com * New perf info from K. Lynch/phone/8-30-13

Average Offset Production

	Gas EUR (BBL)	Oil EUR (MCF)	Water (BBL)
Chacra:	375,832	72	1,594
Gallup:	342,422	27,734	647
Dakota:	787,229	4,098	4,293
Total:	1,505,483	31,904	6,534

Allocation Percentages

	Gas	Oil	Water
Chacra:	24.96%	0.23%	24.39%
Gallup:	22.75%	86.93%	9.91%
Dakota:	52.29%	12.85%	65.70%
Total:	100%	100%	100%

Pre-approved combinations 

basin-dakota & armenta-gallup
basin-dakota & otero chacra

API	LEASE NAME	NO.	RESERVO	SEC	TWN	RNG	1st PROD	LAST PROD	OIL	GAS	WATER	EUR-OIL	EUR-GAS
3E+13	REID B	2F	DAKOTA	31	29 N	10 W	20070501	20100601	448	76,447	452	448	76,447
3E+13	CALVIN	1F	DAKOTA	26	29 N	11 W	20060201	20100601	1,806	154,048	5,577	1,806	154,048

1980's Completions

3E+13	HARE GAS COM B	1E	DAKOTA	23	29 N	11 W	19801130	20100801	10,850	1,731,548	20,466	10,850	2,028,570
3E+13	PEARCE GAS COM	1E	DAKOTA	23	29 N	11 W	19800930	20100801	3,224	430,704	4,027	3,226	431,172
3E+13	MAE GALE COM	1E	DAKOTA	24	29 N	11 W	19810601	20100601	6,481	954,957	510	6,481	993,540
3E+13	VALDEZ A	1E	DAKOTA	24	29 N	11 W	19820531	20100801	3,321	629,253	4,953	3,777	784,668
3E+13	EATON A	1E	DAKOTA	25	29 N	11 W	19810630	19980601	2,134	231,413	1,919	2,134	231,413
3E+13	SULLIVAN A	1E	DAKOTA	25	29 N	11 W	19811031	20041001	1,854	271,647	2,936	1,854	271,647
3E+13	CALVIN	1E	DAKOTA	26	29 N	11 W	19810701	20100601	2,986	991,421	3,202	2,986	1,250,411
3E+13	SULLIVAN GAS COM D	1E	DAKOTA	26	29 N	11 W	19800930	20100801	6,965	1,346,381	6,039	7,087	1,548,704
3E+13	CONGRESS	4E	DAKOTA	35	29 N	11 W	19810801	20100401	370	157,970	594	370	157,970
3E+13	CONGRESS	6E	DAKOTA	35	29 N	11 W	19810801	19910601	60	40,080	8	60	40,080
3E+13	STATE A GAS COM	1E	DAKOTA	36	29 N	11 W	19820201	19980101	8,551	1,111,617	7,002	8,551	1,111,617
3E+13	STATE COM AD	26E	DAKOTA	36	29 N	11 W	19810201	20100601	2,491	321,045	1,627	2,491	321,045
3E+13	BUNCE FEDERAL COM	1E	DAKOTA	19	29 N	10 W	19820101	20100601	9,847	1,517,818	5,238	9,847	1,806,745
3E+13	PAYNE A	1E	DAKOTA	19	29 N	10 W	19810630	19980201	1,407	139,932	1,600	1,407	139,932
3E+13	ABRAMS GAS COM E	1E	DAKOTA	30	29 N	10 W	19820331	20100801	4,362	839,781	3,475	4,362	936,674
3E+13	SULLIVAN FRAME A	1E	DAKOTA	30	29 N	10 W	19820131	20100801	2,218	489,747	5,414	2,218	562,970
3E+13	REID B	1E	DAKOTA	31	29 N	10 W	19810901	20100601	1,985	352,274	7,303	1,985	408,322
3E+13	REID B	2E	DAKOTA	31	29 N	10 W	19811001	20100601	4,082	963,995	952	4,082	1,144,635
average:											4,293	4,098	787,229

API	DB_ID	LEASE NAME	NO. RESERV	SEC	TWN	RNG	1st PROD	LAST PROD	OIL	GAS	WATER	EUR-OIL	EUR-GAS
3E+13		STATE COM AD	26E	GALLUP	36	29 N	11 W	20040101	20100601	1,446	154,495	0	1,446 154,495

1980's Completions

3E+13		ARCO STATE	102	GALLUP	36	29 N	11 W	19860601	20100101	11,430	183,463	424	11,430 192,322
3E+13		CALVIN	2	GALLUP	26	29 N	11 W	19820701	20100601	51,106	627,649	679	51,106 782,583
3E+13		CALVIN	3	GALLUP	26	29 N	11 W	19830601	20100601	61,948	530,167	840	61,948 570,897
3E+13		CONGRESS	11	GALLUP	35	29 N	11 W	19830401	20100601	13,841	377,946	779	13,841 446,576
3E+13		CONGRESS	12	GALLUP	35	29 N	11 W	19830401	20100601	12,987	301,906	941	12,987 385,011
3E+13		CONGRESS	14	GALLUP	35	29 N	11 W	19830801	20100601	35,695	277,342	625	35,695 277,342
3E+13		CONGRESS	15	GALLUP	35	29 N	11 W	19830601	20100601	7,457	237,759	631	7,457 237,759
3E+13		EARL B SULLIVAN	2	GALLUP	26	29 N	11 W	19840901	20000801	2,426	73,691	657	2,426 73,691
3E+13		FEDERAL 29 10 31	2S	GALLUP	31	29 N	10 W	19830901	19951201	25,359	132,260	121	25,359 132,260
3E+13		REID B	5	GALLUP	31	29 N	10 W	19831001	20100601	40,575	551,952	809	40,575 659,855
3E+13		REID B	6	GALLUP	31	29 N	10 W	19830901	20100601	89,745	482,587	662	89,745 546,133
3E+13	525621	SULLIVAN, EARL B	2	GALLUP	26	29 N	11 W	19840930	20000801	2,426	71,397	664	2,426 71,397
3E+13		VALDEZ	2	GALLUP	24	29 N	11 W	19840601	19970101	15,057	136,600	353	15,057 136,600
3E+13		WILSON	3	GALLUP	31	29 N	10 W	19830901	20100601	18,223	281,484	878	18,223 281,484
										average:		647 27,734 342,422	

LEASE NAME	NO.	RESERVOIR	SE	TWN	RNG	1st PROD	LAST PROD	OIL	GAS	WATER	EUR-OIL	EUR-GAS
STATE COM AD	26E	CHACRA	36	29 N	11 W	20030601	20061201	0	11,377	0	0	11,377
EARL B SULLIVAN GAS CO	1	CHACRA	23	29 N	11 W	19850201	19960601	321	120,089	112	321	120,089
HARE GAS COM F	1	CHACRA	23	29 N	11 W	19800531	20100801	4	874,551	1,363	4	875,547
HARE GAS COM I	1 (B)	CHACRA	23	29 N	11 W	19920131	20100601	0	237,502	1,293	0	237,502
STATE GAS COM BS	1	CHACRA	23	29 N	11 W	19800331	20050801	610	542,742	3,368	610	542,742
STATE GAS COM BS	1	CHACRA	23	29 N	11 W	19800301	20051201	505	550,835	3,326	505	550,835
MAE GALE A	1	CHACRA	24	29 N	11 W	19790501	20100601	0	428,294	1,501	0	428,294
PHYLLIS HARTMAN	1	CHACRA	24	29 N	11 W	19820401	20050501	0	371,143	2,320	0	371,143
VALDEZ A	1E	CHACRA	24	29 N	11 W	19820531	20100801	0	217,121	1,152	0	217,420
VALDEZ COM B	1	CHACRA	24	29 N	11 W	19811130	20030101	6	410,616	1,055	6	410,616
BRUCE SULLIVAN COM B	1	CHACRA	25	29 N	11 W	19811001	19950601	42	282,070	1,356	42	282,070
EATON A	1E	CHACRA	25	29 N	11 W	19810630	20100801	90	429,404	3,496	90	460,939
EATON COM B	1	CHACRA	25	29 N	11 W	19811001	19910701	0	98,600	0	0	98,600
SULLIVAN A	1E	CHACRA	25	29 N	11 W	19820228	20031101	27	31,277	295	27	31,277
CONGRESS	9	CHACRA	26	29 N	11 W	19810701	20100601	0	216,018	1,075	0	216,018
DAVIS GAS COM J	1	CHACRA	26	29 N	11 W	19830531	20080101	0	181,368	843	0	181,368
DELO	10	CHACRA	26	29 N	11 W	19750301	20100601	0	933,532	80	0	933,532
SULLIVAN, EARL B	1	CHACRA	26	29 N	11 W	19790630	20100801	0	688,351	450	0	742,321
CONGRESS	8	CHACRA	35	29 N	11 W	19760101	20100601	0	455,264	600	0	477,342
CONGRESS	10	CHACRA	35	29 N	11 W	19810501	20100601	0	482,152	572	0	525,687
CONGRESS	4E	CHACRA	35	29 N	11 W	19811201	20100601	0	126,729	656	0	126,729
CONGRESS	6E	CHACRA	35	29 N	11 W	19811201	20100601	0	391,665	526	0	452,899
BUNCE A	1	CHACRA	19	29 N	10 W	19790301	20100601	293	199,465	984	293	199,465
BUNCE COM	1	CHACRA	19	29 N	10 W	19810701	19940801	161	160,918	1,295	161	160,918
HUBBELL	10	CHACRA	19	29 N	10 W	19740501	20100601	0	279,102	1,412	0	279,102
PAYNE A	1E	CHACRA	19	29 N	10 W	19810630	20100701	39	233,717	520	39	233,715
ABRAMS GAS COM G	1	CHACRA	30	29 N	10 W	19850331	20100801	0	405,671	932	0	522,007
SULLIVAN FRAME A	1E	CHACRA	30	29 N	10 W	19820131	20100801	143	261,287	1,833	143	281,437
SULLIVAN FRAME COM B	1	CHACRA	30	29 N	10 W	19811231	19910501	61	122,155	11,385	61	122,155
REID B	3	CHACRA	31	29 N	10 W	19810701	20100601	0	497,248	602	0	497,248
REID B	1E	CHACRA	31	29 N	10 W	19820101	20100601	0	456,812	5,417	0	458,756
REID B	2E	CHACRA	31	29 N	10 W	19820101	20100601	0	297,940	346	0	297,940
WILSON	2	CHACRA	31	29 N	10 W	19800701	20100601	0	690,910	836	0	690,910
								average:		1,594	72	375,832

1625 N. French Dr. Hobbs, NM 88249
Phone (505) 393-6101 Fax (505) 393-6720
District II
311 S. First St. Artesia, NM 88210
Phone (505) 748-1283 Fax (505) 748-9120
District III
10047 Rio Brazos Road, Artesia, NM 88210
Phone (505) 744-6108 Fax (505) 744-6150
District IV
1220 N. St. Francis Dr. Santa Fe, NM 87505
Phone (505) 476-3463 Fax (505) 476-3465

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised August 1, 2011
Submit one copy to
appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 71599	*Pool Name Basin Dakota
*Property Code 22835	*Property Name SULLIVAN A		*Well Number #1F
*OCRID No. 5380	*Operator Name XTO ENERGY, INC		*Elevation 5595.5

¹⁰ Surface Location

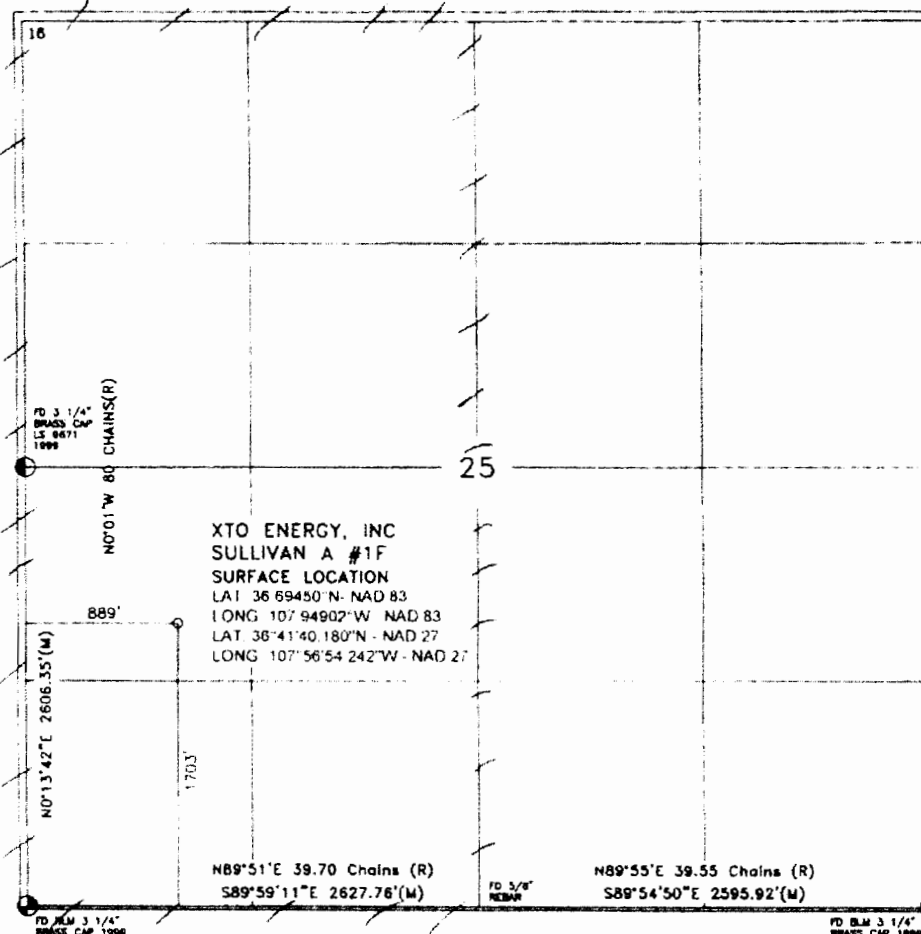
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	25	29-N	11-W		1703'	SOUTH	889'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres 212.320	Joint of Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Malia Villers 5.7.12
Signature Date
Malia Villers
Printed Name
malia.villers@xtoenergy.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

FEB 28, 2012
Date of Survey
Signature and Seal of Professional Surveyor:

WILLIAM E. MAHNKE II
Certificate Number PLS-8466

DISTRICT I
 1625 N. French Dr. Hobbs, NM 88240
 Phone: (575) 397-6100 Fax: (575) 397-6729
 DISTRICT II
 311 S. First St., Artesia, NM 88210
 Phone: (505) 748-1283 Fax: (505) 748-1279
 DISTRICT III
 1000 Rio Brazos Road, Artesia, NM 88210
 Phone: (505) 334-6178 Fax: (505) 334-6179
 DISTRICT IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Revised August 1, 2011
 Submit one copy to
 appropriate
 District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30 045-		*Pool Code 82329	*Pool Name CANA LINDA
*Property Code 22835	*Property Name SULLIVAN A		*Well Number #1F
*OGRD No. 5380	*Operator Name XTO ENERGY, INC		*Elevation 5595.5

10 Surface Location

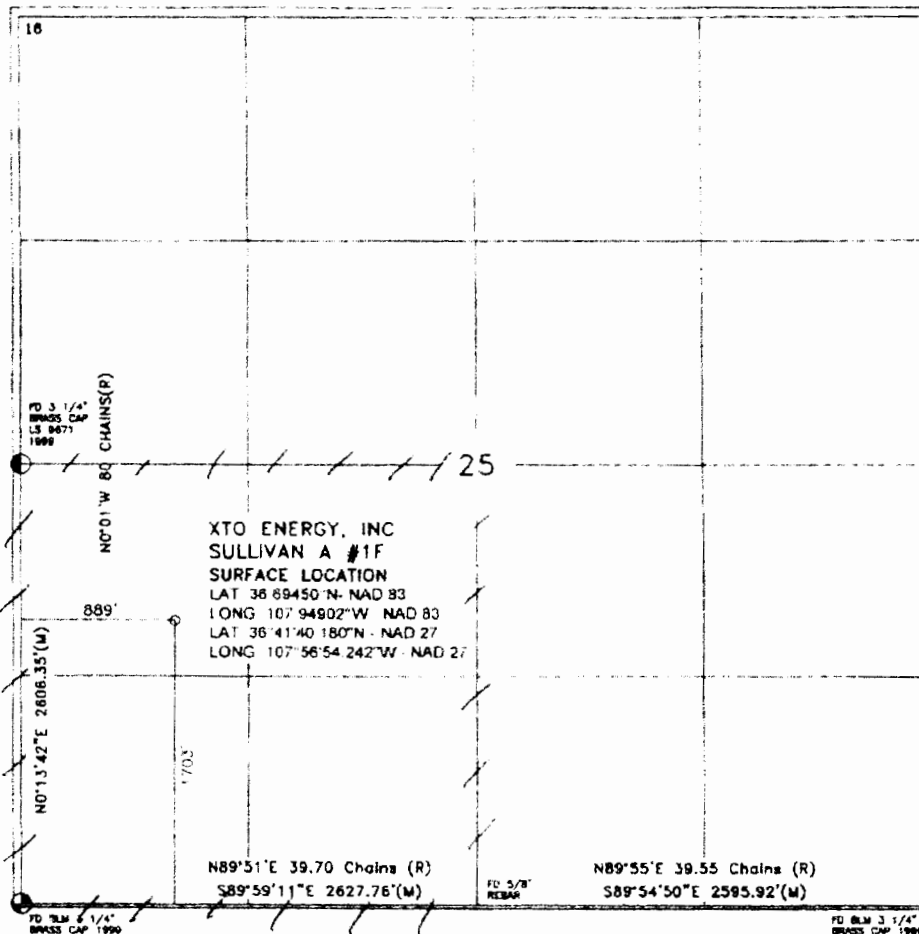
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	25	29-N	11-W		1703'	SOUTH	889'	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres 5.50/4 1100	Joint of Infill	Consolidation Code	Order No.
---------------------------------	-----------------	--------------------	-----------

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Maria Villers 5.7.12
 Signature Date
 Maria Villers
 Printed Name
 maria.villers@xtoenergy.com
 E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

FEB 28, 2012
 Date of Survey
 Signature and Seal of Professional Surveyor
 WILLIAM E. MAHINKE II
 Certificate Number PLS-8486

District I
 1625 N. French Dr. Hobbs, NM 88240
 Phone: (505) 745-6100 Fax: (505) 745-6120
 District II
 511 S. First St., Artesia, NM 88210
 Phone: (505) 748-1283 Fax: (505) 748-1220
 District III
 1000 Rio Hondo Road, Aztec, NM 87410
 Phone: (505) 334-6138 Fax: (505) 334-6130
 District IV
 1220 N. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-1100 Fax: (505) 476-1107

State of New Mexico
 Energy, Minerals & Natural Resources Department
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 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Revised August 1, 2011
 Submit one copy to
 appropriate
 District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 229D	*Pool Name Armenta Gallup
*Property Code 22835	*Property Name SULLIVAN A		*Well Number #1F
*OGRD No. 5380	*Operator Name XTO ENERGY, INC		*Elevation 5595.5

10 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	25	29-N	11-W		1703'	SOUTH	889'	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
*Dedicated Acres 12 N 1/4 Sec 4 40									
Joint of Infill		Consolidation Code		Order No					

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Maha Villers</u> Date: <u>5-2-12</u> Printed Name: <u>Maha Villers</u> E-mail Address: <u>maha-villers@xtoenergy.com</u>
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: <u>FEB 28, 2012</u> Signature and Seal of Professional Surveyor: WILLIAM E. MAHINKE II Certificate Number PLS-8466

Sullivan A #1F DHC Allocations

Average Offset Production

	Gas EUR (BBL)	Oil EUR (MCF)	Water (BBL)
Chacra:	375,832	72	1,594
Gallup:	342,422	27,734	647
Dakota:	787,229	4,098	4,293
Total:	1,505,483	31,904	6,534

Allocation Percentages

	Gas	Oil	Water
Chacra:	24.96%	0.23%	24.39%
Gallup:	22.75%	86.93%	9.91%
Dakota:	52.29%	12.85%	65.70%
Total:	100%	100%	100%



382 CR 3100
Aztec, NM 87410

July 30, 2013

Interest Owners

Subject: Notice of Intent to Apply for Downhole Commingling
Sullivan A #1F
Unit L, Sec 25, T29N, R11W

XTO Energy Inc is submitting an application to the New Mexico Oil Conservation Division (NMOCD) to downhole commingle production from the, Basin Dakota, Armenta Gallup, and the Otero Chacra gas pools in the Sullivan A #1F gas well in San Juan County. Commingling of these pools will minimize operating costs, add reserves and improve economics of the well.

The proposed allocation percentages for each pool are as follows:

Basin Dakota	Gas: 52 %	Water: 66 %	Oil: 13 %
Armenta Gallup	Gas: 23 %	Water: 10 %	Oil: 87 %
Otero Chacra	Gas: 25 %	Water: 24 %	Oil: 0 %

NMOCD requires that all interest owners be notified of our intent to downhole commingle, if ownership is different between formations. If you need additional information or have any questions, I may be contacted at (505) 333-3206. If you have any objections to our application, please contact me within twenty (20) days of the date of this letter.

Sincerely,

A handwritten signature in cursive script that reads 'Kristen D. Lynch'.

Kristen D. Lynch
Regulatory Analyst

**A R WEBB C/O FIRST NATL BK OF
BLOOMFIEL ACCOUNT NO
1200 WEST BROADWAY
BLOOMFIELD, NM 874136790**

SULLIVAN A 01F DK dhc reg dept kdl

**A R WEBB C/O FIRST NATL BK OF
BLOOMFIEL ACCOUNT NO
1200 WEST BROADWAY
BLOOMFIELD, NM 874136790**

SULLIVAN A 01F DK dhc reg dept kdl

**A R WEBB C/O FIRST NATL BK OF
BLOOMFIEL ACCOUNT NO
1200 WEST BROADWAY
BLOOMFIELD, NM 874136790**

SULLIVAN A 01F DK dhc reg dept kdl

**ANGEL PEAK EXPERIENCE LLC
330 ROAD 4960
BLOOMFIELD, NM 874130000**

SULLIVAN A 01F DK dhc reg dept kdl

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330 ROAD 4960
BLOOMFIELD, NM 874130000**

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BLOOMFIELD, NM 874130000**

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**BRUCE L & DORAL D SULLIVAN
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PO BOX 55
BLOOMFIELD, NM 874130055**

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SULLIVAN A 01F DK dhc reg dept kdl

**BURLINGTON RESOURCES OIL & GAS
COMPANY LP
22295 NETWORK PL
CHICAGO, IL 606731222**

SULLIVAN A 01F DK dhc reg dept kdl

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COMPANY LP
22295 NETWORK PL
CHICAGO, IL 606731222**

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**BURLINGTON RESOURCES OIL & GAS
COMPANY LP
22295 NETWORK PL
CHICAGO, IL 606731222**

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**CELIA A JUDKINS
4080 SOUTH CAMINO DE LA CANOA
GREEN VALLEY, AZ 856220276**

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4080 SOUTH CAMINO DE LA CANOA
GREEN VALLEY, AZ 856220276**

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**CELIA A JUDKINS
4080 SOUTH CAMINO DE LA CANOA
GREEN VALLEY, AZ 856220276**

SULLIVAN A 01F DK dhc reg dept kdl

**CHACE MCKAY MAYHEW
2701 PALO ALTO DR NE
ALBUQUERQUE, NM 871120000**

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**CHACE MCKAY MAYHEW
2701 PALO ALTO DR NE
ALBUQUERQUE, NM 871120000**

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**CHACE MCKAY MAYHEW
2701 PALO ALTO DR NE
ALBUQUERQUE, NM 871120000**

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**COWAN FAMILY TRUST JOAN
SULLIVAN COWAN & TROY COWA
6100 4TH STREET NW #338
ALBUQUERQUE, NM 871070000**

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**COWAN FAMILY TRUST JOAN
SULLIVAN COWAN & TROY COWA
6100 4TH STREET NW #338
ALBUQUERQUE, NM 871070000**

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**COWAN FAMILY TRUST JOAN
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ALBUQUERQUE, NM 871070000**

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**CYNTHIA H SCOFIELD
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HOUSTON, TX 770571928**

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1610 POTOMAC DR
HOUSTON, TX 770571928**

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**CYNTHIA H SCOFIELD
1610 POTOMAC DR
HOUSTON, TX 770571928**

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**DARROW FAMILY LMTD
PARTNERSHIP
3004 COLONNADE CT NW
ALBUQUERQUE, NM 871070000**

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**DARROW FAMILY LMTD
PARTNERSHIP
3004 COLONNADE CT NW
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**DARROW FAMILY LMTD
PARTNERSHIP
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**DRY CREEK RESERVE COMPANY
8013 S ADAMS WAY
CENTENNIAL, CO 801223603**

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CENTENNIAL, CO 801223603**

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8013 S ADAMS WAY
CENTENNIAL, CO 801223603**

SULLIVAN A 01F DK dhc reg dept kdl

**E TAYLOR ARMSTRONG AS
INDIVIDUAL & AS TTEE
3801 CENTENARY DR
DALLAS, TX 752255226**

SULLIVAN A 01F DK dhc reg dept kdl

**E TAYLOR ARMSTRONG AS
INDIVIDUAL & AS TTEE
3801 CENTENARY DR
DALLAS, TX 752255226**

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**E TAYLOR ARMSTRONG AS
INDIVIDUAL & AS TTEE
3801 CENTENARY DR
DALLAS, TX 752255226**

SULLIVAN A 01F DK dhc reg dept kdl

**EL PAMCO, INC
P O BOX 14738
ALBUQUERQUE, NM 871914738**

SULLIVAN A 01F DK dhc reg dept kdl

**EL PAMCO, INC
P O BOX 14738
ALBUQUERQUE, NM 871914738**

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**EL PAMCO, INC
P O BOX 14738
ALBUQUERQUE, NM 871914738**

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**ELIZABETH D HICKMAN WOMBLE
321 S CHURCH
AZTEC, NM 874100000**

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**ELIZABETH D HICKMAN WOMBLE
321 S CHURCH
AZTEC, NM 874100000**

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**ELIZABETH D HICKMAN WOMBLE
321 S CHURCH
AZTEC, NM 874100000**

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**ELIZABETH MAYER BOECKMAN
GRANTOR TRUST
P O BOX 5083
DENVER, CO 802170000**

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**FREDERICA H MAYER TRUST
FREDERICK R MAYER & ELIZAB
P O BOX 5083
DENVER, CO 802170000**

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FREDERICK R MAYER & ELIZAB
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DENVER, CO 802170000**

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**GENIE H BENTLEY
5536 SOUTHWESTERN BLVD
DALLAS, TX 752093434**

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5536 SOUTHWESTERN BLVD
DALLAS, TX 752093434**

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**HANCOCK-DORIE TRUST JOHN
HANCOCK DORIE & MARTHA DO
PO BOX 670231
DALLAS, TX 753670231**

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HANCOCK DORIE & MARTHA DO
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**HERBERT W SMITH EST
4303 52ND B
LUBBOCK, TX 794130000**

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4303 52ND B
LUBBOCK, TX 794130000**

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**J LANHAM HIGGINBOTHAM JR TR J
LANHAM HIGGINBOTHAM
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DALLAS, TX 753720579**

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J LUDWIG MOSLE
6125 WESTWICK
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J LUDWIG MOSLE
6125 WESTWICK
DALLAS, TX 752050000
SULLIVAN A 01F DK dhc reg dept kdl

J LUDWIG MOSLE
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JACK L. GRAHAM OR RITA R GRAHAM
6 CR 4996
BLOOMFIELD, NM 874130000
SULLIVAN A 01F DK dhc reg dept kdl

JACK L. GRAHAM OR RITA R GRAHAM
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JACK L. GRAHAM OR RITA R GRAHAM
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JAMES L SHARP & KATHRYN B
SHARP REVOC LIVING TRUST
1020 FOXWOOD LN
WYLIE, TX 750980000
SULLIVAN A 01F DK dhc reg dept kdl

JAMES L SHARP & KATHRYN B
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1020 FOXWOOD LN
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JEANNE D ZACHRY
510 DELLWOOD DR
MT PLEASANT, TX 754550000
SULLIVAN A 01F DK dhc reg dept kdl

JEANNE D ZACHRY
510 DELLWOOD DR
MT PLEASANT, TX 754550000
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JEANNE D ZACHRY
510 DELLWOOD DR
MT PLEASANT, TX 754550000
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JEANNE Z SHARP
7116 ABERDEEN AVE
DALLAS, TX 752300000
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KRYSTINA K MAYHEW
6904 CHERRY HILLS PL NE
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KRYSTINA K MAYHEW
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LENORE L WOLFE EST
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STE 230
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LINDA J RAYES
4212 LOMO ALTO #101A
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LYNCH RESOURCES LTD
1845 WOODALL RODGERS FWY
SUITE 1600 LB-16
DALLAS, TX 752012295
SULLIVAN A 01F DK dhc reg dept kdl

LYNCH RESOURCES LTD
1845 WOODALL RODGERS FWY
SUITE 1600 LB-16
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LYNCH RESOURCES LTD
1845 WOODALL RODGERS FWY
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MASON W. MAYHEW
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ALBUQUERQUE, NM 871910000
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MASON W. MAYHEW
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MASON W. MAYHEW
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MMS XTO FEDERAL
C/O XTO ENERGY INC
810 HOUSTON STREET
FORT WORTH, TX 761026298
SULLIVAN A 01F DK dhc reg dept kdl

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NIGH REV TR UTA DTD 8-3-89 BRETT
D NIGH TTEE
824 SURREY HILL LN
GREENWOOD, IN 461420000
SULLIVAN A 01F DK dhc reg dept kdl

NIGH REV TR UTA DTD 8-3-89 BRETT
D NIGH TTEE
824 SURREY HILL LN
GREENWOOD, IN 461420000
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NIGH REV TR UTA DTD 8-3-89 BRETT
D NIGH TTEE
824 SURREY HILL LN
GREENWOOD, IN 461420000
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NORTH AMERICAN ENERGY
INVESTORS INC
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QEP ENERGY CO
PO BOX 45601
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ROBERT E. MCALISTER
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GARLAND, TX 750450000
SULLIVAN A 01F DK dhc reg dept kdl

ROBERT E. MCALISTER
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PO BOX 451541
GARLAND, TX 750450000
SULLIVAN A 01F DK dhc reg dept kdl

ROBERT G STOREY & SONS
3225 EDWARDS DR
PLANO, TX 750254545
SULLIVAN A 01F DK dhc reg dept kdl

ROBERT G STOREY & SONS
3225 EDWARDS DR
PLANO, TX 750254545
SULLIVAN A 01F DK dhc reg dept kdl

ROBERT G STOREY & SONS
3225 EDWARDS DR
PLANO, TX 750254545
SULLIVAN A 01F DK dhc reg dept kdl

ROYALTY CLEARINGHOUSE LTD
401 CONGRESS AVE STE 1750
AUSTIN, TX 787010000
SULLIVAN A 01F DK dhc reg dept kdl

ROYALTY CLEARINGHOUSE LTD
401 CONGRESS AVE STE 1750
AUSTIN, TX 787010000
SULLIVAN A 01F DK dhc reg dept kdl

ROYALTY CLEARINGHOUSE LTD
401 CONGRESS AVE STE 1750
AUSTIN, TX 787010000
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SEAN MCALISTER
69 SPANISH DAGGERS DR
ALAMOGORDO, NM 883100000
SULLIVAN A 01F DK dhc reg dept kdl

SEAN MCALISTER
69 SPANISH DAGGERS DR
ALAMOGORDO, NM 883100000
SULLIVAN A 01F DK dhc reg dept kdl

SEAN MCALISTER
69 SPANISH DAGGERS DR
ALAMOGORDO, NM 883100000
SULLIVAN A 01F DK dhc reg dept kdl

SINGER BROTHERS A PARTNERSHIP
GEORGE A SINGER,GENE
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TULSA, OK 741010000
SULLIVAN A 01F DK dhc reg dept kdl

SINGER BROTHERS A PARTNERSHIP
GEORGE A SINGER,GENE
PO BOX 755
TULSA, OK 741010000
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SINGER BROTHERS A PARTNERSHIP
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TULSA, OK 741010000
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SUSAN & ARTHUR P SULLIVAN JT
634 CR 4990
BLOOMFIELD, NM 874139609
SULLIVAN A 01F DK dhc reg dept kdl

SUSAN & ARTHUR P SULLIVAN JT
634 CR 4990
BLOOMFIELD, NM 874139609
SULLIVAN A 01F DK dhc reg dept kdl

SUSAN & ARTHUR P SULLIVAN JT
634 CR 4990
BLOOMFIELD, NM 874139609
SULLIVAN A 01F DK dhc reg dept kdl

TOURMALINE EXPLORATION
COMPANY
2403 TENDERFOOT DR
LARKSPUR, CO 801188757
SULLIVAN A 01F DK dhc reg dept kdl

TOURMALINE EXPLORATION
COMPANY
2403 TENDERFOOT DR
LARKSPUR, CO 801188757
SULLIVAN A 01F DK dhc reg dept kdl

TOURMALINE EXPLORATION
COMPANY
2403 TENDERFOOT DR
LARKSPUR, CO 801188757
SULLIVAN A 01F DK dhc reg dept kdl

UNITED PIPE & SUPPLY
4131 SPICEWOOD SPRINGS RD.
SUITE G-2
AUSTIN, TX 787590000
SULLIVAN A 01F DK dhc reg dept kdl

UNITED PIPE & SUPPLY
4131 SPICEWOOD SPRINGS RD.
SUITE G-2
AUSTIN, TX 787590000
SULLIVAN A 01F DK dhc reg dept kdl

UNITED PIPE & SUPPLY
4131 SPICEWOOD SPRINGS RD.
SUITE G-2
AUSTIN, TX 787590000
SULLIVAN A 01F DK dhc reg dept kdl

VICKSBURG ROYALTY, LLC
PO BOX 2070
HOBBS, NM 882412070
SULLIVAN A 01F DK dhc reg dept kdl

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WILLIAM LARRY & SANDRA MARIE
HICKMAN LIVING TRUST
HICKMAN, WILLIAM & SANDRA TRST
1216 MCCOY
AZTEC, NM 874100000
SULLIVAN A 01F DK dhc reg dept kdl

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1216 MCCOY
AZTEC, NM 874100000
SULLIVAN A 01F DK dhc reg dept kdl

Goetze, Phillip, EMNRD

From: Lynch, Kristen <Kristen_Lynch@xtoenergy.com>
Sent: Friday, August 30, 2013 10:13 AM
To: Goetze, Phillip, EMNRD
Subject: FW: Sullivan A #1F DHC Application Revisited

Phillip,

Here is what I just received from Reservoir Engineering.

Thanks,

Kristen

From: Fivecoat, Kameron
Sent: Friday, August 30, 2013 10:05 AM
To: Lynch, Kristen
Subject: RE: Sullivan A #1F DHC Application Revisited

	<u>BTU</u>	<u>BHP (psig)</u>
Chacra	1167	1100
Gallup	1254	1240
Dakota	1196	1470

Kameron Fivecoat

Reservoir Engineer, San Juan
(817) 885-2209

From: Lynch, Kristen
Sent: Friday, August 30, 2013 10:34 AM
To: Fivecoat, Kameron
Subject: RE: Sullivan A #1F DHC Application Revisited

It asks for, Oil Gravity or BTU (Defree API or Gas BTU)

From: Fivecoat, Kameron
Sent: Friday, August 30, 2013 9:02 AM
To: Lynch, Kristen
Subject: RE: Sullivan A #1F DHC Application Revisited

Do you also need gravity – I noticed it was mentioned in the email below did not remember you saying that over the phone?

From: Lynch, Kristen
Sent: Friday, August 30, 2013 9:21 AM
To: Fivecoat, Kameron
Cc: Logan, Michael
Subject: FW: Sullivan A #1F DHC Application Revisited

From: Goetze, Phillip, EMNRD [<mailto:Phillip.Goetze@state.nm.us>]

Sent: Thursday, August 29, 2013 5:31 PM

To: Lynch, Kristen

Cc: Hoppe, William, EMNRD

Subject: Sullivan A #1F DHC Application Revisited

Kristen:

I have finished the review of the Sullivan A #1F package. I need to retract my previous request – the down hole pressures/BTU/gravity - will not be necessary for the preapproved pools. There is one problem with the current application: the Upper Zone is described as Otero Chacra (pool code 82329) with perfs from 2,765' to 5,335'. This interval will include the existing Blanco Mesaverde pool (72319) in Section 25 (all of the section included under expansion by R-7046) – see attachment. The down-side: I need you to provide (by e-mail) a modified C-107-A (two form pages with "zones" title-blocks edited) showing all four pools with corresponding perf separation. There will be no requirement to re-notify, but there will be a need to recalculate allocations to be submitted with the new C-107s. The up-side: 99% percent of the pools are pre-approved – the only commingling that requires approval from Santa Fe is the combination of Otero Chacra and the Gallup. So any info (down hole pressures/BTU/gravity) on the two would be helpful, but not necessary. The new allocation formula would be necessary. Of course, the other option is to change perf intervals. Call with any questions. PRG

Phillip R. Goetze, P.G.

Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462