- Geologica	OIL CONSERVATION DIVI al & Engineering Bureau - ncis Drive, Santa Fe, NM 8		
1220 SOUTH ST. FIGT	icis Drive, Santa Fe, NM 8	/505	
	TIVE APPLICATION CHECK		
THIS CHECKLIST IS MANDATORY FOR ALL A REGULATIONS WHICH REQU	JIRE PROCESSING AT THE DIVISION LEVEL I		
Applicant:_Hilcorp Energy Company		OGRID Number: 372171	
Vell Name: Fullerton Federal 14 1		API: 30-045-30855	
ool: West Kutz Pictured Cliffs		Pool Code:	
SUBMIT ACCURATE AND COMPLETE INFO	RMATION REQUIRED TO PRO INDICATED BELOW	CESS THE TYPE OF APPLICATION	i .
1) TYPE OF APPLICATION: Check those wh A. Location – Spacing Unit – Simultar NSL INSP (PROJE	neous Dedication	DHC-4	845
B. Check one only for [1] or [1] [1] Commingling – Storage – Mec XDHC CTB PLC	asurement	λ.	
[II] Injection – Disposal – Pressure	Increase - Enhanced Oil Re	scovery	· · ·
 NOTIFICATION REQUIRED TO: Check the A. Offset operators or lease holde B. Royalty, overriding royalty own 	ers	Notice Complete	
C. Application requires published D. Notification and/or concurrent E. X Notification and/or concurrent	l notice t approval by SLO	Application Content Complete	
F. Surface owner G. For all of the above, proof of n H. X No notice required	otification or publication is a	attachéd, and/or,	•
B) CERTIFICATION: I hereby certify that the administrative approval is accurate an understand that no action will be taken notifications are submitted to the Division	nd complete to the best of n n on this application until the	ny knowledge. I also	
	i by an individual with managerial and	I/or supervisory capacity.	
	11/30/	2018	
Christine Brock	Date		,
Print or Type Name			
	······································	4-5155	
Johnistine Brock	Phone Nu		
- WIDDER COUCH		@hilcorp.com	
Signature	e-mail Ad	(10) (10)	

District I 1625 N. French Drive, Hobbs, NM 88240 District II \$11 S. First St. NM 88210 District III NM 87410 District IV 1220 S. St. Francis Dr., S anta Fe, NM 8750

State of New Mexico Energy, Minerals and Natural Resources Department

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107A Revised August 1, 2011

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

Single Well Establish Pre-Approved Pools EXISTING WELLBORE

APPLICATION TYPE

X Yes No

Hilcorp Energy Company

382 ROAD 3100, Aztec NM 87410

Operator		Address	
Fullerton Federal 14	1	UL A (NENE) - Sec. 14, T27N, R11W	San Juan
Lease	Well No.	Unit Letter-Section-Township-Range	County

OGRID No. 372171 Property Code 321951 API No. 30-045-30855 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	KUTZ PICUTRED CLIFFS, WEST (GAS)	KUTZ GALLUP, SOUTH (GAS)	BASIN DAKOTA (PRORATED GAS)
Pool Code	79680	96852	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1891' - 1989' - Estimated	5788'-5802'	6360'- 6452'
Method of Production (Flowing or Artificial Lift)	NEW ZONE	Artificial Lift	Artificial Lift
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)	640 psi	900 psi	500 psi
Oil Gravity or Gas BTU Degree API or Gas BTU)	BTU 1100	BTU 1100	BTU 1100
Producing, Shut-In or New Zone	NEW ZONE	PRODUCING	PRODUCING
Date and Oil/Gas/Water Rates of Last Production. Note: For new zones with no production history, applicant shall be required to attach production spitmates and supporting data.)	Date: Rates:	Date: 9/1/2018 Rates: 188 MCF - GAS 0 BBL - Oil 2 BBL - Water	Date: 9/1/2018 Rates: 566 MCF GAS 0 BBL Oil 2 BBL Water
Fixed Allocation Percentage Note: If allocation is based upon something other ban current or past production, supporting data or aplanation will be required.)	Oil Gas Will be supplied upon completion	Oil Gas Will be supplied upon completion	Oil Gas Will be supplied upon completion

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Are all produced fluids from all commingled zones compatible with each other?

Will commingling decrease the value of production?

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?

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.

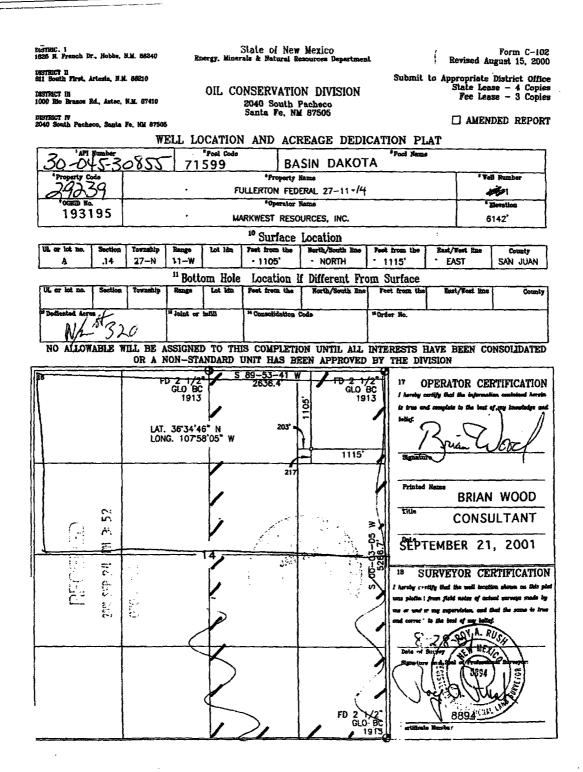
Notification list of working, royalty and overriding royalty interests for uncommon interest cases. Any additional statements, data or documents required to support commingling.

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. TITLE Operation/Regulatory Tech SIGNATURE DATE 11/30/2018 TYPE OR PRINT NAME Christine Brock TELEPHONE NO. (505 324-5155

E-MAIL ADDRESS cbrock@hilcorp.com

Yes _X___ No No Yes X No Yes No_

Yes X No



MUNICI II 1000 Ro Brons Rd., Av INCRET W	-	OIL C	ONSERVATI 2040 South Santa Ps. N	DN DIVISION Pacheco M 87505		Fee Les	nse – 4 Copie nse – 3 Copie IDED REPORT
Distance of 2040 Routh Pacheon, Su		LOCATIO	N AND AC	REAGE DEDI	CATION P		
30-045-	30855	7162	9	South k	utz GA	Ilup	
*Property Code		1	Property FULLERION FEL		14		A Nambur 1
193195			Poparatar IARKWEST RESI				firstin
L			¹⁰ Surface	Location		1	
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Page 1 of 1

Form C-102 August 1, 2011

Permit 260256

District I 1625 N. French Dr., Hobbs, NM 88240 Phone;(575) 393-6161 Fax:(575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone;(575) 748-1283 Fax:(575) 748-9720 -District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone;(505) 334-6170 District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone;(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-045-30855	79680	KUTZ PICTURED CLIFFS, WEST (GAS)
4. Property Code	5. Property Name	6. Well No.
321951	FULLERTON FEDERAL 14	001
7. OGRID No.	8. Operator Name	9. Elevation
372171	HILCORP ENERGY COMPANY	6142

 10. Surface Location

 UL - Lot
 Section
 Township
 Range
 Lot Idn
 Feet From
 N/S Line
 Feet From
 E/W Line
 County

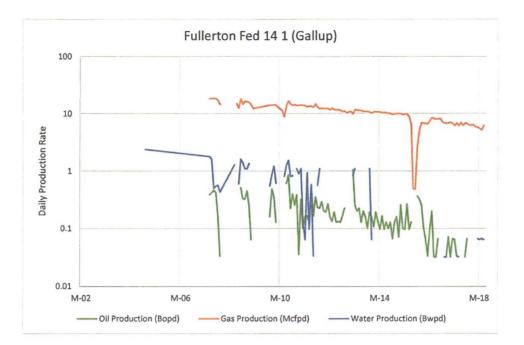
 A
 14
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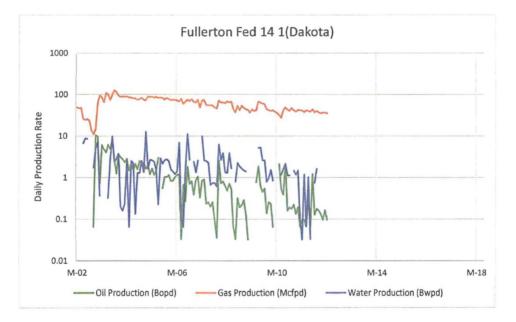
11. Bottom Hole Location If Different From Surface									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicate 1	d Acres 60.00 NE/4		13. Joint or	Infill	14. Consolida	tion Code		15. Order No	•

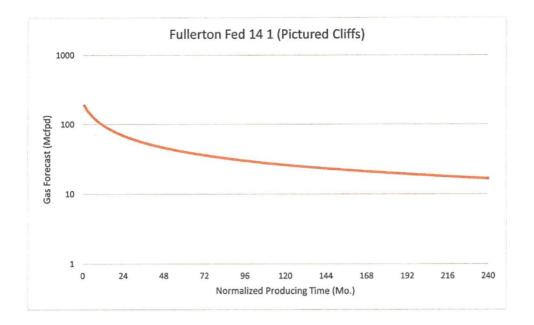
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

OPERATOR CERTIFICATION I hareby certify that the information contained harein is true and complete to the bast of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the location pursuant to a contract with an owner of such a mineral or working the loc
interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. E-Signed By: LUWISTIRE BLOCK Title: Operation/Regulatory Tech - Sr. Date: 11/27/2018
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.
Surveyed By: Roy Rush Date of Survey: 8/28/2001
Certificate Number: 8894

https://wwwapps.emnrd.state.nm.us/OCD/OCDPermitting/Report/C102/C102Report.aspx... 11/27/2018







The forecast for Pictured Cliffs production has been generated using a type curve of PC gas production in the surrounding production trend.

Fullerton Federal 14 1 - Production Allocation Method

Production for the downhole trimmingle will be allocated using the subtraction method in agreement with local agencies. The base formations are the Dakota and Gallup and the added formation to be trimmingled is the Pictured Cliffs. The subtraction method applies an average monthly production forecast to the base formations using historic production. All production from this well exceeding the forecast will be allocated to the new formation. After 3 years production will stabilize. A production average will be gathered during the 4th year and will be utilized to create a fixed percentage based allocation. Oil production will be allocated based on average formation yields from offset wells. All documentation will be submitted to the Aztec NMOCD office.



November 28, 2018

New Mexico Oil Conservation Division Attn: Engineering Bureau 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Fullerton Federal 14 # 1 (30-045-30855) Common Ownership in All Depths San Juan County, New Mexico

To Whom It May Concern:

In the subject well, Hilcorp plans to downhole commingle existing pay from the Basin Dakota and Kutz Gallup formations with potential pay from the West Kutz Pictured Cliffs formation. In accordance with Subsection C of 19.15.12.11 New Mexico Administrative Code, we have concluded that ownership is the same between all three aforementioned pools. Therefore, this letter serves as Hilcorp Energy's statement that ownership is common throughout all depths in the subject well.

This letter represents a good faith effort to adhere with applicable notification requirements. Hilcorp appreciates the opportunity to enhance production from the subject well.

Please contact Brad Pearson by email at <u>bpearson@hilcorp.com</u> or by phone at 713-289-2793 with any questions you may have.

Regards,

Brudley W. Yearson

Landman Hilcorp Energy Company 713-289-2793

Encl.

PO Box 61229, Houston, TX 77208-1229 1111 Travis Street Houston, TX 77002 Phone: 713/209-2400, Fax 713/209-2420 hilcorp.com

Hilcorp Energy Company **Current Schematic** Well Name: FULLERTON FEDERAL 14 #1 State/Province Surface Legal Location ield Name Well Configuration Type Route T27N-R11W-S14 Basin Dakota 0602 3004530855 New Mexico Vertical Original KB/RT Elevation (ft) KB-Casing Flange Distance (ft) KB-Tubing Hanger Distance (ft) KB-Ground Distance (ft) Ground Elevation (ft) 6,142.00 6.154.00 12.00 Vertical, Original Hole, 11/30/2018 2:37:30 PM T\/D MD (ftKB) Vertical schematic (actual) (ftKB) shed Rod; 22.00 ft Sub; 16.00 ft Surface Casing Cement; 12.0-379.0; 2/15/2 Sucker Rod w/Molded Guides; 375.00 ft Nacimiento (final) 0.0 Sucker Rod wiviolded Guides; 375.00 ft Sucker Rod w/Snap On Guides; 1,375.00 ft Sucker Rod; 1,925.00 ft Production Casing Cement; 12.0-6,544.0; 2 Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 12.0 ftKB; 12 1 44.3 ftKB Cement Squeeze; 4,020.0-4,052.0; 11/10 Sucker Rod wiSnap On Guides; 750.00 ft Sucker Rod wiMolded Guides; 1,750.00 ft Sand Frac; 1/30/2003; **** XTO StimTreat Tubing Sub; 2 7/8 in; 6.50 lb/ft; J-55; 44.3 44.3 ftKB; 62.5 ftKB Top Perf (ftKB): 5788 Bottom Perf (ftKB): 5802 Top Perf TVD (ftKB): Bottom Perf TVD (ftKB): 5 Min (psi): 10 Min (psi): 15 Min (psi): 1; Surface; 8 5/8 in; 8.08 in; 12.0 ftKB; 379.0 378.9 ftKB 400.9 15 Min (psi): Frac Interval TVD (ftKB): Initial Frac Gradient: AIR (bbl/min): Ojo Alamo (final) 930.1 Kirtland (final) ATE UP-22 MIR (bbl/rinh): SICP (psi): Breakdown Pressure (psi): Ball Seat ?: Designed Water (bbl): Total Water Pumped (bbl): Proppart (bb): Flush Volume (bbl): Fruitland Coal (final) 1,775.9 Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 62.5 ftKB; 3,448.2 6,359.7 ftKB Flush Volume (bbl): % Pad (%): Surfactant Yolume (gal): Surfactant Volume (gal): Surfactant Average Concentration: Bactericide Volume (gal): Bactericide Journe (gal): Bactericide Jourage Concentration Sinkel Bar; 25 00 ft Stabilizer Rod; 3 00 ft Stabilizer Rod; 3 00 ft Viesaverue (IIIIai) 3,547.9 4.020.0 tabilizer Rod; 3.00 ft inker Bar; 25.00 ft tabilizer Rod; 3.00 ft inker Bar; 25.00 ft 4,451.1 r Rod 3 00 ft Mancos (final) 4,591.9 ker Bar; 25.00 ft bilizer Rod; 3.00 ft bilizer Rod; 3.00 ft ker Bar; 25.00 ft bilizer Rod; 3.00 ft ker Bar; 25.00 ft 5.390.1 Gallup (final) sinker par, 25.00 ft sinker Bar; 25.00 ft tabilizer Rod; 3.00 ft tabilizer Rod; 3.00 ft CO2 Energized Frac; 4/6/2002; **** XTO StimTreat data * 5,737.9 CU2 Energizes Frac. 49/2. Top Part (TKS): 6380 Borbert Tu (KS): 6452 PortPart Tu (KS): 6452 PortPart Tu (KS): 5 Min (psi): 10 Min (psi): 10 Min (psi): 110 Min (psi): 111 Min (psi): 111 Min (psi): 111 Min (psi): 111 Min (psi): 112 Min (psi): 113 Min (psi): • Perforated; 5,788.0-5,802.0; 1/29/2003 93939 5,801.8 ~ ~ ~ ~ ~ ~ ~ ~ 6,226.0 6,253.9 6,259.8 Braskown Pressure (psi): Ball Set 7: Designed Water (bb): Total Water Pumped (bb): Propant Type: Total Propant (bb): % Pad (%): Surfactant Type: Surfactant Volume (gal): Surfactant Volume (gal): Bactericide Average Concentration: Bactericide Average Concentration: Acid Frac: 4/6/2002; *** XTO StimTreat data * 6.285.1 6,313.0 -Dakota (final) 6,337.9 6.359.6 6,366.1 Perforated; 6,360.0-6,452.0; 4/5/2002 6,394.0 888 Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 6,359.7 **Bishca** 1036 6,421.9 ftKB; 6,456.6 ftKB 1818 I NORK STREET 636 6,425.5

6,452.1

6.454.7

6,456.7

6.461.3

6,470.1

6,497.7

6,526.9

6,547.9

www.peloton.com

Seat Nipple; 2 3/8 in; 6,456.6 ftKB; 6,457.3

Perforated Sub; 2 3/8 in; 6,457.3 ftKB;

Tubing; 2 7/8 in; 6.50 lb/ft; J-55; 6,461.4

4-1/2" x 2-3/8" Tbg Anchor Catcher; 4 in;

Notched Collar; 2 3/8 in; 6,497.7 ftKB;

2; Production; 4 1/2 in; 4.00 in; 12.0 ftKB

ftKB

6,461.4 ftKB

6,498.0 ftKB PBTD; 6,527.0

6,544.0 ftKB

ftKB; 6,494.3 ftKB

6,494.3 ftKB; 6,497.7 ftKB

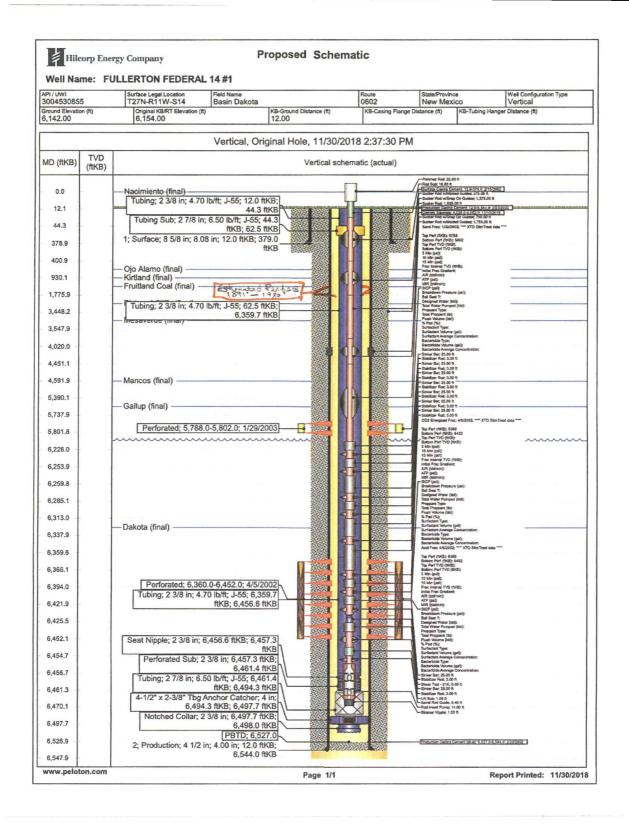
iker Bar; 25.00 ft ibilizer Rod; 3.00 ft ear Tool - 21K; 0.60 ft iker Bar; 25.00 ft ibilizer Rod; 3.00 ft

ift Sub; 1.00 ft piral Rod Guide; 0.40 ft

Insert Pump; 14.00 ft ner Nipple: 1.00 ft

Production Casing Cement (plug): 6.527 0-6 544 0: 2/23

5





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

ADMINISTRATIVE ORDER DHC-3096

Markwest Resources, Inc. 155 Inverness Drive West, #200 Englewood, Colorado 80112

Attention: Ms. Cindy Bush

Fullerton Federal 14 Well No. 1 API No. 30-045-30855 Unit A, Section 14, Township 27 North, Range 11 West, NMPM, San Juan County, New Mexico Basin-Dakota (Prorated Gas 71599), and South Kutz-Gallup (Oil 96852) Pools

Dear Ms. Bush:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

The applicant shall consult with the supervisor of the Aztec District Office of the Division upon completion and testing of the well in order to determine a fixed allocation of production from each of the commingled zones. Allocation shall be based on expected ultimate recovery from each zone. Upon approval by the Division's Aztec District Office, the applicant shall submit the allocation formula to the Santa Fe Office of the Division.

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of commingling operations.

Administrative Order DHC-3096 Markwest Resources, Inc. January 21, 2003 Page 2

Pursuant to Rule 303.C.(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on the 21st day of January 2003.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

(นิขนิ) Lorí Wrotenber LORI WROTENBERY Director

LW/wvjj

cc: Oil Conservation Division – Aztec Bureau of Land Management - Farmington

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Form 3160-5 (April 2004)		UNITED S			•				1 .	FORM APPROVED MB NO. 1004-0137
April 2004)		ARTMENT OF						,		pires March 31, 2007
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	abandoned well.	Use Form 316	0-3 (APD) f	or such	n proposal:	s. [107 M	AL LI	AN 11- 2	0
								oresi	12 Billoit or	CA/Agreement, Name and/or N
5	SUBMIT IN TRIPL	ICATE - Other	r instruction	ns on re	everse side	•		KEUEI EL		CAVAgreement, Mame and/or ty
Type of Well					·		2107		CTOX NF	1
Oil Well	X Gas Well Oth	er					L		8. Well Nam	e and No.
Name of Operato	<u>а</u> ж								FULLERICE	n Federal 14 #1
XTO Energy	Inc.								9. API Well	No
. Address				3b. P	hone No. (inc	iude are	a code)		30-045-30	
2700 Farmir	natan Ave., Bldg.	<u>K. Ste l Fa</u>	mington,		505-324-1	L090				d Pool, or Exploratory Area
Location of Well	(Footage, Sec., T., R., M.,	or Survey Descrip	tion)							KOTA/S. KUTZ GALLUP
1105' FNL &	1115' FEL SEC 1	4A-127N-R11V	7							
									11. County	or Parish, State
					·			<u> </u>	SAN JUAN	NM
12.	CHECK APPRO	PRIATE BOX	(ES) TO IN	DICATI	e nature	E OF N	IOTICE	E, REP(ORT, OR O	THER DATA
TYP	E OF SUBMISSION					TYP	E OF A	CTION	-	
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_			After Casing		Fracture Trea	t		leclamatio	n	Well Integrity
	Subsequent Report		Casing Repair		New Constru	ction		Recomplete	e	X Other DOWNHOLE
			Change Plans		Plug and Aba	ndon		•	y Abandon	
	Final Abandonment Notice		•		יי נ ר			•	-	COMMINGLE ALLOC
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Submit 3 Copies To Appropriate District State of New Mexico	Form C-103
Office Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 87240 District II	WELL API NO. 30-045-30855
1301 W. Grand Ave., Artesia, NM 88210 OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505	STATE FEE
District IV	
1220 S. St. Francis Dr., Santa Fe, NM 87505	6. State Oil & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name: FULLERION FEDERAL 14
1. Type of Well:	8. Well Number
Oil Well Gas Well 🕱 Other	#1
2. Name of Operator	9. OGRID Number
XIO Energy Inc.	5380
3. Address of Operator	10. Pool name or Wildcat
2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401	BASIN DAKOTA/GALLEGOS GALLUP
4. Well Location	1
Unit Letter A : 1105 feet from the NORTH line and	1115 feet from the EAST line
Section 14 Township 27N Range 11W	NMPM County SAN JUAN
11. Elevation (Show whether DR, RKB, RT, GR, e	10.)
Pit or Below-grade Tank Applicationor Closure	
Bit type Depth to Groundwater Distance from nearest fresh water well	· j
Pit Liner Thickness: mil Below-Grade Tank: Volumebbls; Construct	on Material
12. Check Appropriate Box to Indicate Nature of Notice NOTICE OF INTENTION TO: SUE PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	, Report, or Other Data SEQUENT REPORT OF: ALTERING CASING
TEMPORARILY ABANDON C CHANGE PLANS COMMENCE DRILL	
PULL OR ALTER CASING CASING TEST AND COMPLETION CASING TEST AND	
OTHER: OTHER: DRC Allo	
	cations X
 Describe proposed or completed operations. (Clearly state all pertinent details, and giv of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attack or recompletion. 	e pertinent dates, including estimated date
of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attac	e pertinent dates, including estimated date in wellbore diagram of proposed completion prod from the DK (71599) and the GP te recovery/well of 8 DK & 9 GP wells
of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach or recompletion. XTO previously requested exception to OCD rule 303A to permit DHC of (36550) pools. Proposed oil & gas alloc are based on est ave ultimation	e pertinent dates, including estimated date in wellbore diagram of proposed completion prod from the DK (71599) and the GP te recovery/well of 8 DK & 9 GP wells
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of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attack or recompletion. XTO previously requested exception to OCD rule 303A to permit DEC of (36550) pools. Proposed oil & gas alloc are based on est ave ultimat in T27N-R11W. Wtr alloc are based on SUR wtr prod/well & recommender Basin Dakota: Gas: 75% Water: 58% Oil: 38% Gallegos Gallup: Gas: 25% Water: 42% Oil: 62% Flease see attached supporting documents. HLM has been notified by I hereby certify that the information above is true and complete to the best of my knowledg grade tank has been/will be constructed of closed according to NMOCD guidelines id , a general permit SIGNATURE TITLE RESULATORY C E-mail address: low	e pertinent dates, including estimated date in wellbore diagram of proposed completion prod from the DK (71599) and the GP the recovery/well of 8 DR & 9 GP wells as follows: Ecom 3160-5. e and belief. I further certify that any pit or below- icor an (attached) alternative OCD-approved plan CMPLIANCE TECH DATE <u>5/10/07</u> cri_bingham@ctoenergy.com Telephone No. 505-324-1090

Fullerton Federal 14 #1 Allocation Percentages

The proposed gas and oil production allocation percentages are based on estimated average ultimate recovery per well of the 8 Dakota wells and 9 Gallup wells in T27N R11W. Water allocation is based on E.U.R. water production per well. Please see attached Dakota and Gallup E.U.R. analysis.

Proposed Allocation Percentages:

Pool	Oil	Water	Gas
Gallup	62%	42%	25%
Dakota	38%	58%	75%

Basin Dakota Pool (Per well avg. est. ultimate gas, oil and water recovery prod.)

BO	BW	MCF
5,173	7,077	916,085

South Kutz Gallup Pool (Per well avg. est. ultimate gas, oil and water recovery prod.)

BO	BW	MCF
8,551	5,221	310,815

Offset Analysis: All wells completed in Dakota and Gallup in T27N R11W

	LEASE NAME	NO.	RESERVOIR	SEC	LOCATION	1st PROD	LAST PROD	CUM OIL	REM OIL	CUM GAS	REM GAS	EUR-OIL	EUR OIL	EUR-GAS	EUR GAS. mcf	EUR WATER, BOL
30045067500000	FRONTIER B	2	DAKOTA	9	27 N 11 W	19590701	20060101	5,283	0	2,683,266	79,685	5,283	5,283	2,683,266	2,762,951	413
30045068380000	FRONTIER C	2	DAKOTA	5	27 N 11 W	19590701	19770101	1,110	0	1,520,428		1,110	1,110	1,520,428	1,520,428	0
30045130450000	FRONTIER E	1	DAKOTA	4	27 N 11 W	19601101	19970201	4,358	0	1,244,846		4,358	4,358	1,244,846	1,244,846	351
30045067700000	SCHLOSSER WN FEDERAL	2	DAKOTA	3	27 N 11 W	19601201	19801201	10,894		2,874,969		10,894	10,894	2,874,969	2,874,969	0
30045069140000	BOLACK A	1	DAKOTA	2	27 N 11 W	19810131	19950201	37,507	0	3,363,848		37,507	37,507	3,363,848	3,363,848	24
	SCHLOSSER WN FEDERAL	1	DAKOTA	10	27 N 11 W	19610801	19831001	7,824		1,548,765		7,824	7,824	1,548,765	1,548,765	8
30045130490000	FULLERTON FEDERAL	11	DAKOTA	14	27 N 11 W	19621130		12,358		1,633,297	121,169	12,454	12,454		1,754,466	15,648
30045206950000	HILLSIDE	1	DAKOTA	9	27 N 11 W	19701201	20060101	9,264	46	2,031,931	482,649	9,284	9,330	2,031,931	2,514,580	3,791
30045237810000	PIPKIN, EH	10E	DAKOTA	1	27 N 11 W	19800430	20021001	3,122		298,684	0	3,122	3,122	298,684	298,684	2,009
30045241020000	FRONTIER E	ίE	DAKOTA	4	27 N 11 W	19811201	20060101	8,034		1,510,931	711,114	8,034	8,110	1,510,931	2,222,045	3,230
30045246390000	FULLERTON FEDERAL	6E	DAKOTA	11	27 N 11 W	19840131	20060501	7,989	175	1,293,384	381,865	8,164	8,164	1,675,249	1,675,249	13,038
30045130470000	FULLERTON FEDERAL	9	DAKOTA	13	27 N 11 W	19990131	20060501	2,104	1,592	108,711	163,511	3,696	3,696	272,222	272,222	13.038
30045297410000	FULLERTON FEDERAL GD	41	DAKOTA	15	27 N 11 W	19990930	20060501	1,314	1,197	284,056	420,739	2,511	2,511	704,795	704,795	10,273
30045297400000	FULLERTON FEDERAL GD	23	DAKOTA	11	27 N 11 W	20000630	20060301	773		14,327	0	580	773	14,327	14,327	403
30045311480000	PIPKIN, EH	8R	DAKOTA	1	27 N 11 W	20030331	20060501	4,444	6,306	240,271	769,969	10,750	10,750	1,010,240	1,010,240	7.504
30045312830000			DAKOTA		27 N 11 W	20040430	20060501	1.920		174,632	956,486		4.262			7.120
		1				Pre 1980 Av	rage Dakota	11.077	18	2,112,669	227,834	11.089	11,095	2 127,815	2,198,107	2,517
		-					Dakota Well			490.625	425,480	5,140	5.173		916.085	7.077
ha mar a		••••							****							· · · · ·
	LEASE NAME		RESERVOIR				LAST PROD	CUM OIL	REM OIL	CUM GAS	REM GAS	EUR-OIL	EUR OIL	EUR-GAS	EUR GAS. mcf	EUR WATER, BBL
20045087500000																LON WATEN, DEG
	FRONTIER B		GALLUP		27 N 11 W	19590401	19710701			233,160		188	188	233,160	233,160	17
30045068380000	FRONTIER C	2	GALLUP	5	27 N 11 W	19590701	19720101	73,261	0	233,160 278,509		1B8 73,261	188 73,261	233,160 278,599	233,160 278,599	<u>17</u> 106
30045068380000 30045067430000	FRONTIER C SCHLOSSER WN FEDERAL	2	GALLUP	5 10	27 N 11 W 27 N 11 W	19590701 19600101	19720101 19770801	73,261 66,965	0	233,160 278,509 63,613	-	188 73,261 66,965	188 73,261 66,965	233,160 278,599 63,613	233,160 278,599 63,613	17 106 713
30045068380000 30045067430000 30045130450000	FRONTIER C SCHLOSSER WN FEDERAL FRONTIER E	2	GALLUP GALLUP GALLUP	5 10 4	27 N 11 W 27 N 11 W 27 N 11 W	19590701 19600101 19600801	19720101 19770801 19791001	73,261 66,965 50,769	0 0 0	233,160 278,509 63,613 9,556		188 73,261 66,965 50,769	188 73,261 66,965 50,769	233,160 278,599 63,613 9,566	233,160 278,599 63,613 9,556	17 106 713 69
30045068380000 30045067430000 30045130450000 30045067700000	FRONTIER C SCHLOSSER WN FEDERAL FRONTIER E SCHLOSSER WN FEDERAL	2 1 1 2	GALLUP GALLUP GALLUP GALLUP	5 10 4 3	27 N 11 W 27 N 11 W 27 N 11 W 27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201	19720101 19770801 19791001 19720701	73,261 66,965 50,769 20,349	0 0 0 0	233,160 278,509 63,613 9,556 2,082		188 73,261 66,965 50,769 20,349	188 73,261 66,965 50,769 20,349	233,160 278,599 63,613 9,566 2,082	233,160 278,599 63,613 9,556 2,082	17 106 713
30045068380000 30045067430000 30045130450000 30045067700000 30045067860000	FRONTIER C SCHLOSSER WN FEDERAL FRONTIER E SCHLOSSER WN FEDERAL BOLACK A	2 1 1 2 1	GALLUP GALLUP GALLUP GALLUP GALLUP	6 10 4 3 2	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 19601201 19700101	19720101 19770801 19791001 19720701 19701001	73,261 66,965 50,769 20,349 18,143	0 0 0 0	233,160 278,509 63,613 9,556 2,082 133,855		188 73,281 66,965 50,769 20,349 18,143	188 73,261 66,965 50,769 20,349 18,143	233,160 278,599 63,613 9,666 2,082 133,855	233,160 278,599 63,613 9,556 2,082 133,855	17 106 713 69 388 0
30045068380000 30045067430000 30045130450000 30045067700000 30045067860000 30045206950000	FRONTIER C SCHLOSSER WN FEDERAL FRONTIER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE	2 1 1 2 1	GALLUP GALLUP GALLUP GALLUP	6 10 4 3 2 9	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 19601201 19700101 19701101	19720101 19770801 19791001 19720701 19701001 19701001 20060101	73,261 66,965 50,769 20,349 18,143 6,779	0 0 0 0 0 0	233,160 278,509 63,613 9,556 2,082 133,855 384,635		188 73,281 66,965 50,769 20,349 18,143 6,779	188 73,261 66,965 50,769 20,349 16,143 6,885	233,160 278,599 63,613 9,566 2,082 133,855 384,635	233,160 278,599 63,613 9,556 2,082 133,855 470,668	17 106 713 69 308 0 7,272
30045068380000 30045067430000 30045130450000 30045067700000 30045067860000	FRONTIER C SCHLOSSER WN FEDERAL FRONTIER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE	2 1 1 2 1	GALLUP GALLUP GALLUP GALLUP GALLUP	6 10 4 3 2 9 4	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 19700101 19700101 19701101	19720101 19770801 19791001 19720701 19701001 20060101 20060101	73,261 66,965 50,769 20,349 18,143 6,779 17,944	0 0 0 0 106 182	233,160 278,509 63,613 9,556 2,082 133,855 384,635 231,131	92,618	188 73,281 66,985 50,769 20,349 18,143 6,779 17,944	188 73,261 66,965 50,769 20,349 18,143 6,885 18,128	233,160 278,599 63,613 9,566 2,082 133,855 384,635 231,131	233,160 278,599 63,613 9,656 2,062 133,855 470,668 323,749	17 106 713 69 306 0 0 7.272 116
30045068380000 30045067430000 30045130450000 30045067700000 30045067860000 30045206950000 30045241020000	FRONTIER C SCHLOSSER WN FEDERAL FRONTIER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE	2 1 2 1 1 1 1 1 1 1 1 1 1	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	6 10 4 3 2 9 4 14	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 19700101 19701101 19820201 19970228	19720101 19770801 19791001 19720701 19701001 20060101 20060101 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967	0 0 0 0 106 182 1,660	233,160 278,509 63,613 9,556 2,082 133,855 384,635 231,131 649,083	92,618 748,791	188 73,281 66,985 50,769 18,143 6,779 17,944 4,627	188 73,261 66,965 50,769 20,349 18,143 6,885 18,128 4,627	233,160 278,599 63,613 9,666 2,082 133,855 384,635 231,131 1,397,874	233,160 278,599 63,613 9,556 2,082 133,855 470,668 323,749 1,397,874	17 106 713 69 386 0 7.272 116 3.648
30045068380000 30045087430000 30045130450000 30045067700000 300450676660000 30045266660000 30045241020000 30045241020000	FRONTIER C SCHLOSSER WN FEDERAL FRONTER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE FRONTIER E	2 1 2 1 1 1 1 1 1 1 1 1 1	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	6 10 4 3 2 9 4 14	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 19700101 19701101 19820201 19970228 19990131	19720101 19770801 19791001 19720701 19701001 20060101 20060101 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967 3,080	0 0 0 0 106 182 1,680 2,733	233,160 278,509 63,613 9,556 2,082 133,855 384,635 231,131 649,083 126,181	92,618 748,791 165,838	188 73,281 66,985 50,769 20,349 18,143 6,779 17,944 4,627 5,813	188 73,261 66,985 50,769 20,349 18,143 6,885 18,126 4,627 5,813	233,160 278,599 63,613 9,556 2,082 133,855 384,635 231,131 1,397,874 282,019	233,160 278,599 63,613 9,556 2,082 133,855 470,668 323,749 1,397,874 292,019	17 106 713 69 306 0 0 7.272 116
30045068380000 30045067430000 30045130450000 30045067700000 30045067700000 30045206950000 30045241020000 30045130490000	FRONTIER C SCHLOSSER WN FEDERAL FRONTIER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE FRONTIER E FULLERTON FEDERAL	2 1 1 1 1 1 1 1 1 1 1 9	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	5 10 4 3 2 9 4 14 13	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 19700101 19701101 19820201 19820201 19970228 19980131 19990930	19720101 19770801 19791001 19720701 19701001 20060101 20060501 20060501 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967 3,080 2,456	0 0 0 0 106 182 1,660 2,733 1,133	233,160 278,569 63,613 9,556 2,082 133,855 384,635 231,131 649,083 126,181 48,058	92,618 748,791	188 73,281 66,985 60,769 20,349 18,143 6,779 17,944 4,627 5,813 3,589	198 73,261 66,965 50,769 20,349 18,143 6,885 18,126 4,627 5,813 3,689	233,160 276,599 63,613 9,666 2,082 133,855 384,635 231,131 1,397,874 262,019 83,066	233,160 278,599 63,613 9,556 2,082 133,655 470,668 323,749 1,397,874 282,019 83,066	17 106 713 89 386 0 0 7.272 116 3.648 11.055 1.490
30045068380000 30045067430000 30045130450000 30045067700000 30045206950000 30045241020000 30045130490000 30045130490000 30045130470000 300451410000	FRONTIER C SCHLOSSER WN FEDERAL FRONTER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE FRONTIER E FULLERTON FEDERAL FULLERTON FEDERAL	2 1 1 1 2 1 1 1 1 1 1 1 1 1 9 41	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	5 10 4 3 2 9 4 14 13 15 15 11	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 19700101 19700101 19820201 19870228 19990131 19990330 19990330	19720101 19770801 19791001 19720701 19701001 20060101 20060501 20060501 20060501 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967 3,080 2,456 1,801	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	233,160 278,569 63,613 9,556 2,082 133,855 384,635 231,131 649,083 126,181 48,058 81,781	92,618 748,791 165,838 35,008	188 73,281 66,865 50,769 20,349 18,143 6,779 17,944 4,627 5,813 3,589 1,602	198 73,261 66,965 50,769 20,349 18,143 6,885 18,126 4,627 5,813 3,689 1,801	233,160 278,599 63,613 9,656 2,082 133,855 384,635 231,131 1,397,874 262,019 83,066 81,781	233,160 278,599 63,613 9,556 2,082 133,655 470,668 323,749 1,397,874 292,019 83,066 81,781	17 106 713 69 386 0 7.272 116 3.648 11,055 1,490 871
30045068380000 30045067430000 3004513045000 30045067700000 30045266950000 3004521020000 30045211020000 30045130490000 30045130470000 30045287410000	FRONTIER C SCHLOSSER WN FEDERAL FRONTER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE FRONTIER E FULLERTON FEDERAL FULLERTON FEDERAL FULLERTON FEDERAL FULLERTON FEDERAL GD	2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	5 10 4 3 22 9 4 14 13 15 11 11	27 N 11 W 27 N 11 W	19590701 19600101 19600201 19601201 1970101 1970101 1970228 1990130 1999030 19991130 2001103	19720101 19770801 19791001 19791001 20060101 20060501 20060501 20060501 20060501 20060501 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967 3,080 2,456 1,801 2,343	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	233,160 278,569 63,613 9,556 2,082 133,855 384,635 231,131 649,083 126,181 48,058 81,781 100,439	92,618 748,791 165,838 35,008 0 284,330	188 73,281 66,985 50,769 20,349 18,143 6,779 17,944 4,627 5,613 3,589 1,602 4,327	188 73,261 66,965 20,349 16,143 6,885 18,126 4,627 5,813 3,689 1,801 4,327	233,160 276,599 63,613 9,656 2,082 133,855 384,635 231,131 1,397,874 262,019 83,066 81,781 384,665	233,160 278,599 63,613 9,556 2,082 133,855 470,688 323,749 1,367,874 292,019 83,066 81,781 334,769	17 106 713 69 386 0 7.272 116 3.648 (11.055 1.490 871 871 4.088
30045068380000 30045067430000 3004513045000 30045067700000 30045266950000 3004521020000 30045211020000 30045130490000 30045130470000 30045287410000	FRONTIER C SCHLOSSER WN FEDERAL FRONTER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE FRONTIER E FULLERTON FEDERAL FULLERTON FEDERAL FULLERTON FEDERAL GD FULLERTON FEDERAL GUILERTON FEDERAL	2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 6 E	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	5 10 4 3 22 9 4 14 13 15 11 11	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 19700101 19700101 19820201 19870228 19990131 19990330 19990330	19720101 19770801 19791001 19720701 19701001 20060101 20060501 20060501 20060501 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967 3,080 2,456 1,801	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	233,160 278,569 63,613 9,556 2,082 133,855 384,635 231,131 649,083 126,181 48,058 81,781	92,618 748,791 165,838 35,008	188 73,281 66,865 50,769 20,349 18,143 6,779 17,944 4,627 5,813 3,589 1,602	188 73,261 66,965 20,349 16,143 6,885 18,126 4,627 5,813 3,689 1,801 4,327	233,160 276,599 63,613 9,656 2,082 133,855 384,635 231,131 1,397,874 262,019 83,066 81,781 384,665	233,160 278,599 63,613 9,556 2,082 133,855 470,688 323,749 1,367,874 292,019 83,066 81,781 334,769	17 106 713 69 386 0 7.272 116 3.648 11,055 1,490 871
30045068380000 30045067430000 3004513045000 30045067700000 3004526650000 30045266650000 30045266650000 300452106650000 30045211020000 30045297410000 30045297410000 30045297400000	FRONTIER C SCHLOSSER WN FEDERAL FRONTER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE FRONTIER E FULLERTON FEDERAL FULLERTON FEDERAL FULLERTON FEDERAL GD FULLERTON FEDERAL GD FULLERTON FEDERAL FULLERTON FEDERAL	2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 6 E 8 R	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	5 10 4 3 2 9 4 14 13 15 15 11 11	27 N 11 W 27 N 11 W	19590701 19600101 19600201 19601201 1970101 1970101 1970228 1990130 1999030 19991130 2001103	19720101 19770801 19791001 19791001 20060101 20060501 20060501 20060501 20060501 20060501 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967 3,080 2,456 1,801 2,343	0 0 0 0 106 162 1,680 2,733 1,133 1,984 3,524	233,160 278,569 63,613 9,556 2,082 133,855 384,635 231,131 649,083 126,181 48,058 81,781 100,439	92,618 748,791 165,838 35,008 0 284,330	188 73,281 66,965 50,769 20,349 18,143 6,779 17,944 4,627 5,513 3,589 1,602 4,327 6,135	188 73,261 66,965 20,349 16,143 6,885 18,126 4,627 5,813 3,689 1,801 4,327	233,160 276,599 63,613 9,656 2,082 133,855 231,131 1,397,874 262,019 83,066 81,761 384,766 100,306	233,160 278,599 63,613 9,556 2,082 133,855 470,688 323,749 1,367,874 292,019 83,066 81,781 334,769	17 106 713 69 386 0 7.272 116 3.648 (11.055 1.490 871 871 4.088
30045068380000 300451045000 3004513045000 3004513045000 30045067700000 30045266760000 30045241020000 30045241020000 30045297410000 30045297410000 30045297400000 30045246380000	FRONTIER C SCHLOSSER WN FEDERAL FRONTER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE FRONTER E FULLERTON FEDERAL FULLERTON FEDERAL FULLERTON FEDERAL GD FULLERTON FEDERAL FULLERTON FEDERAL PIPKIN, EH	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 6 E 8 R 10 E	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	6 10 4 3 2 9 4 4 14 13 15 11 11 11	27 N 11 W 27 N 11 W	19690701 19600101 19600801 19600801201 19701001 19701001 19701001 19870228 19990131 19990930 19990130 19990133 19990133	19720101 19770801 19770801 19720701 19720701 20060101 20060501 20060501 20060501 20060501 20060501 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967 3,080 2,456 1,801 2,343 2,811	0 0 0 0 106 182 1,680 2,733 1,133 1,133 1,984 3,524 3,963	233,160 278,569 63,613 9,556 2,082 133,855 384,635 231,131 640,083 126,181 48,058 81,781 100,439 26,699	92,618 748,791 165,838 35,008 0 284,330 73,607 104,015	188 73,281 66,985 50,789 20,349 18,143 6,779 17,944 4,827 5,813 3,589 1,602 4,327 6,135 5,533	198 73,261 66,965 50,769 20,349 16,143 6,885 18,126 4,627 5,813 3,589 1,801 4,327 6,135	233,160 276,569 63,613 9,666 2,082 133,855 234,635 231,131 1,397,874 262,019 83,066 81,781 364,766 100,306 144,486	233,169 278,569 63,813 9,656 2,062 133,855 470,668 323,749 1,307,874 282,019 83,066 81,781 384,769 100,306 144,486	17 106 713 660 3868 0 0 7.272 116 3.648 11.055 1.490 871 4.088 4.317
30045068380000 300453045000 300453045000 300453045000 30045206950000 3004521020000 3004521020000 30045211020000 30045297110000 3004529710000 30045297410000 30045297410000 30045297410000	FRONTIER C SCHLOSSER WN FEDERAL FRONTER E SCHLOSSER WN FEDERAL BOLACK A HILLSIDE FRONTER E FULLERTON FEDERAL FULLERTON FEDERAL FULLERTON FEDERAL GD FULLERTON FEDERAL FULLERTON FEDERAL PIPKIN, EH	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 6 E 8 R 10 E	GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP GALLUP	6 10 4 3 2 9 4 4 14 13 15 11 11 11	27 N 11 W 27 N 11 W	19590701 19600101 19600801 19601201 1970100 1970100 1970228 19990130 19990130 20011031 20030331 20030733 20040400	19720101 19770801 19770801 19720701 19720701 20060101 20060501 20060501 20060501 20060501 20060501 20060501	73,261 66,965 50,769 20,349 18,143 6,779 17,944 2,967 3,080 2,456 1,801 2,343 2,811 1,570 1,769	0 0 0 0 106 182 1,660 2.733 1,133 1,984 3,524 3,963	233,160 278,569 63,613 9,556 2,082 133,855 231,131 649,083 126,181 48,058 81,781 100,439 26,699 40,471	92,618 748,791 165,838 0 284,330 73,607 104,015 106,131	188 73,281 66,865 50,789 20,349 18,143 6,779 17,944 4,627 5,813 3,589 1,602 4,327 6,135 5,533 824	188 73,261 66,965 50,769 20,349 18,143 6,885 18,128 4,627 5,813 3,689 1,801 4,327 6,135 5,533	233,160 278,569 63,613 9,656 2,082 133,855 384,635 231,131 1,397,874 282,019 83,066 81,781 384,766 100,306 144,466 144,466	233,160 278,569 63,613 9,656 2,062 133,655 470,668 323,749 1,397,874 292,019 83,066 81,781 384,769 100,336 11,781 384,769 100,336 144,486 128,876	17 106 7133 69 386 0 7.272 116 3.648 11,055 1.490 871 4.988 4.317 6.254

		Baesd on EUR					
	% Gallup (% Gallup Ga	%Gallup Water				
	3%	8%	4%				
	99%	15%	100%				
	90%	4%	99%				
	92%	1%	16%				
	65%	0%	100%				
	70%	8%	0%				
	42%	16%	66%				
	69%	13%	3%				
	27%	44%	19%				
	61%	12%	77%				
	59%	11%	13%				
	70%	85%	68%				
	35%	19%	24%				
	36%	9%	37%				
	64%	33%	91%				
	29%	10%	46%				
Pre 1980 Gallup Well	75%	7%	33%				
Post 1980 Gallup Well	62%	25%	42%				