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	ADMINISTRATIVE APPLICATION CHECKLIST	
<u> </u>	HIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	;
A ppli	ation 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 [A] NSL [NSL NSP	
	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	
[2]	NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [A] Uvrking, 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	
[3]	SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.	
	CERTIFICATION: I hereby certify that the information submitted with this application for administrative I is accurate and complete to the best of my knowledge. I also understand that no action will be taken on th ion until the required information and notifications are submitted to the Division.	is

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

Print or Type Name

Signature

Title

Date

e-mail Address

Oil Conservation Division 1220 South St. Francis Dr. SANTA FE, NEW MEXICO 87505

Form C-108 Revised June 10, 2003

	APPLICATION FOR AUTHORIZATION TO INJECT
I.	PURPOSE : X Secondary Recovery Pressure Maintenance REDisposal VED Storage Storage
II.	OPERATOR: Chesapeake Operating, Inc.
	ADDRESS : _421 Marti Drive, Cleburne, TX 76033
	CONTACT PARTY : Brenda Coffman PHONE : (817)556-5825
III.	WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? X Yes No If yes, give the Division order number authorizing the project <u>R-12496</u>
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness. and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
XIII.	Applicants must complete the 'Proof of Notice' section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: Brenda Coffman TITLE: Sr. Regulatory Comp. Specialst
	SIGNATURE: JANAA (offman DATE: 10/26/2007
	E-MAIL ADDRESS: bcoffman@chkenergy.com

* If the information required under Sections VI, VHI, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal:

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet' rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

APPLICATION FOR AUTHORIZATION TO INJECT Chesapeake Operating, Inc. Lea County, New Mexico

LIST OF WELLS FOR THIS APPLICATION

Trinity Burrus Abo Unit #20 API #30-025-36566 990' FSL & 2170' FEL Unit Letter O, Section 23, T-12-S, R-38-E

Trinity Burrus Abo Unit #16 API #30-025-36251 1980' FSL & 660' FWL Unit Letter L, Section 23, T-12-S, R-38-E

Trinity Burrus Abo Unit #28 API #30-025-37254 2240' FSL & 2310' FWL Unit Letter K, Section 23, T-12-S, R-38-E

REQUIREMENTS PER FORM D-108

ITEM I

The purpose of this application is secondary recovery.

ITEM II

Chesapeake Operating, Inc. 421 Marti Drive Cleburne, TX 76033 Brenda Coffman (817) 556-5825 ext 2805

ITEM III

See Data Sheet attached

Page 2

ITEM IV

This is an expansion of an existing project and is covered under Order No. R-12496.

ITEM V

See map attached

ITEM VI

See attached list of wells.

ITEM VII

- 1. Daily average injection rate is expected to be 1,000 BWPD. Maximum daily injection rate will be approximately 1,000 BWPD.
- 2. The system will be closed.
- **3.** The proposed average injection pressure is expected to be 100 psig and the maximum pressure is expected to be 4600 psig.
- **4.** The source of water to be injected is produced water, fresh water and Devonian. A water analysis is attached for the fresh water and the Devonian.
- 5. Injection is NOT for disposal.

ITEM VIII

The Gladiola; Wolfcamp pool is located in Southeastern Lea County, New Mexico. The top and depth to the bottom of the Wolfcamp is indicated below for each well in this application. The fresh water for the area is from the Ogallala with depth from the surface at approximately 35' and the total depth at around 125'.

Well Name	Top of Wolfcamp	Bottom of Wolfcamp
TBAU #16 TBAU #20 TBAU #28	9080'	

ITEM IX

There will not be a stimulation program. The Procedure to Convert the wells to an injection is attached.

Page 3

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ITEM X

The logs were set to the Oil conservation Division when the well was completed.

ITEM XI

Water analysis from the fresh water wells within one mile of the injection well is attached.

ITEM XII

This application is NOT for a salt water disposal well.

ITEM XIII

The "Proof of Notice" as required with this application is attached.

Trinity Burrus Abo Offset Operators within 1/2 mile of Unit

Chaparral Energy LLC 701 Cedar Lake Boulevard Oklahoma City, OK 73114

Energen Resources Corporation 3300 North "A" Street Building 4, Suite 100 Midland, TX 79705

Yates Petroleum Corporation 105 South 4th Street Artesia, NM 88210

CHESAPEAKE OPERATING, INC. 421 MARTI DRIVE CLEBURNE, TX 76033 (817) 556-5825 EXT 2805

APPLICATION FOR AUTHORIZATION TO INJECT LIST OF WELLS WITHIN ½ MILE RADIUS THAT PENETRATE INJECTION ZONE FORM C-108 ITEM #VI

TRINITY BURRUS ABO UNIT #20

WELL NAME	TYPE	DATE DRLD	LOCATION	DEPTH
TBAU #21	0	11/02/87	330' FSL & 1650' FWL N 23, T12S, R38E	12650
TBAU #16	0	05/23/03	1980' FSL & 660' FWL L 23, T12S, R38E	9235
TBAU #5	0	02/29/04	2310' FNL & 1650' FWL F 23, T12S, R38E	9793
TBAU #21	WIW	11/02/87	330' FSL & 1650' FWL N 23, T12S, R38E	9316
TBAU #17	0	10/03/03	1650' FSL & 1650' FWL K 23, T12S, R38E	9265
TBAU #18	0	04/28/04	1650' FSL & 2200' FEL J 23, T12S, R38E	9800

ft 3 ff3 щ3 RANGE Method Determined: Circulated Method Detemined: Circulated 38E Method Determined: WELL CONSTRUCTION DATA Casing Size: 13 3/8 Casing Size: 8 5/8" Casing Size: 51/2 TOWNSHIP -feet to 9190 Intermediate Casing Production Casing Injection Interval 12S Surface Casing or 01 or sx. SX. SX. SECTION Cemented with: 365 sx Poz H 23 Cemented wtih: 465Poz C Cemented with: 1500 sx Top of Cement: Surface Top of Cement: Surface Top of Cement: 1550 Hole Size: 17 1/2 Total Depth: 9420 Perforations: 9148 Hole Size: 77/8 Hole Size: 11 UNIT LETTER 0 WELL NAME & NUMBER: Trinity Burrus Abo Unit #20 FOOTAGE LOCATION 990' FSL & 2170' FEL WELLBORE SCHEMATIC OPERATOR: Chesapeake Operating, Inc. WELL LOCATION:

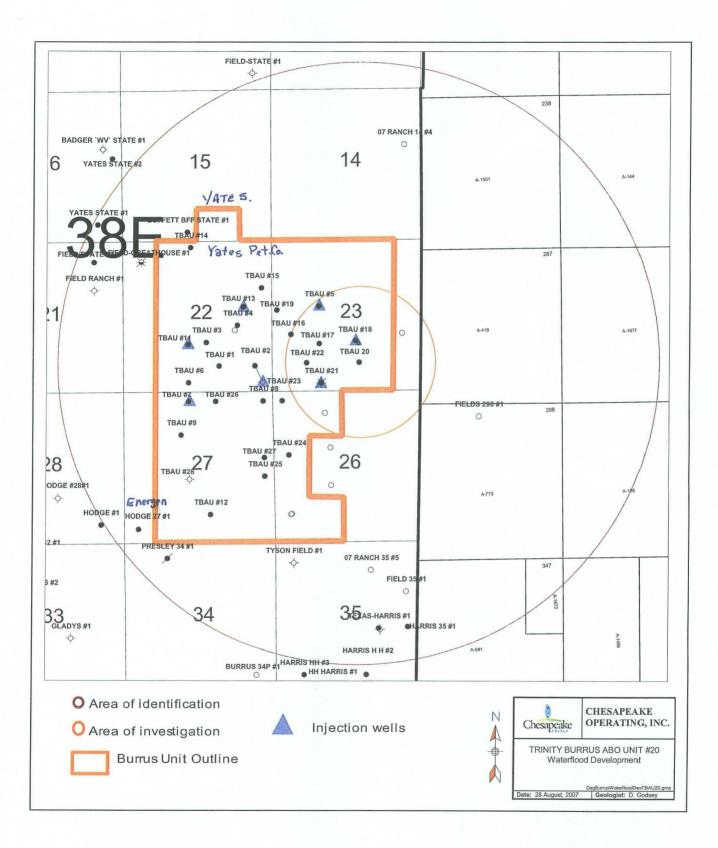
INJECTION WELL DATA SHEET

Side 1

(Peforated or Open Hole; indicated which)

|--|

Side 2



TRINITY BURRUS ABO UNIT #16

WELL NAME	TYPE	DATE DRLD	LOCATION	DEPTH
TBAU #21	0	11/02/87	330' FSL & 1650' FWL N 23, T12S, R38E	,12650
TBAU #16	0	05/23/03	1980' FSL & 660' FWL L 23, T12S, R38E	9235
TBAU #5	0	02/29/04	2310' FNL & 1650' FWL F 23, T12S, R38E	9793
TBAU #21	WIW	11/02/87	330' FSL & 1650' FWL N 23, T12S, R38E	9316
TBAU #17	0	10/03/03	1650' FSL & 1650' FWL K 23, T12S, R38E	9265
TBAU #18	0	04/28/04	1650' FSL & 2200' FEL J 23, T12S, R38E	9800
TBAU #19	0	04/09/05	2431' FNL & 175' FWL E 23, T12S, R38E	9330
TBAU #23	0	09/08/03	330' FNL & 330' FWL D 26, T12S, R38E	9175
TBAU #8	0	07/16/03	330' FNL & 330' FEL A 27, T12S, R38E	9164
TBAU #15	0	10/03/04	1645' FNL & 354' FEL H 22, T12S, R38E	9265
TBAU #13	0	10/19/02	2310' FNL & 990' FEL H, 22, T12S, R38E	9250
TBAU #4	0	02/06/02	2310' FSL & 1210' FEL I, 22, T12S, R38E	9214
TBAU #2	0		900' FSL & 600' FEL O, 22, T12S, R38E	9800

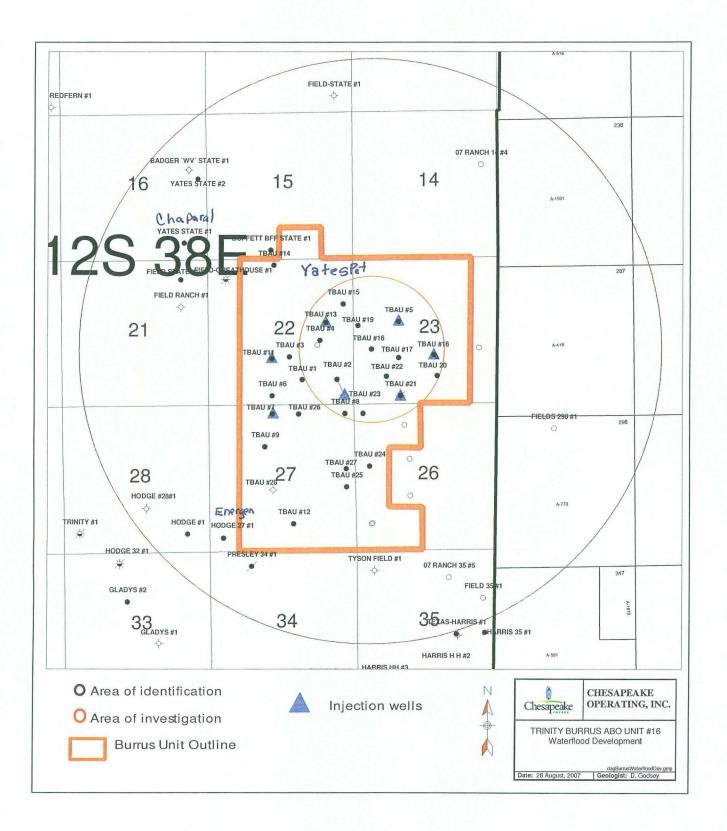
ft 3 h^3 \mathbf{h}^3 RANGE Method Detemined: Circulated Method Determined: Circulated 38E Method Determined: WELL CONSTRUCTION DATA Casing Size: 13 3/8 Casing Size: 8 5/8" (Peforated or Open Hole; indicated which) Casing Size: 5 1/2 TOWNSHIP _feet to <u>9062</u> Intermediate Casing Production Casing Injection Interval 12S Surface Casing or _ 2 01 sx. ___SX. SX. SECTION Cemented with: 1400 sx Poz C Cemented with: 1050 sx Poz H 23 Cemented wtih: 450 Cl C Top of Cement: Surface Top of Cement: Surface Top of Cement: UA Hole Size: 171/2 Total Depth: 9235 Perforations: 9014 Hole Size: 77/8 Hole Size: 11 UNIT LETTER WELL NAME & NUMBER: Trinity Burrus Abo Unit #16 FOOTAGE LOCATION WELL LOCATION: 1980' FSL & 660' FWL WELLBORE SCHEMATIC OPERATOR: Chesapeake Operating, Inc.

INJECTION WELL DATA SHEET

Side 1

If no, for what purpose was the well originally drilled? Oil well 2. Name of the Injected Formation: Wolleann 3. Name of Field or Pool (if applicable): Wolleann 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injected zone in this area: wore	1. Is This a new well drilled for injection? The value of the vell originally drilled? The vell originally drilled? The vell original of the vell original vell original vell or vell	Other Type of Tubing/Casing Seal (if applicable):	Type of Packer: Packer Setting Depth: 8891	INJECTION WELL DATA SHEET Tubing Size: 27/3 Lining Material:
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Side 2



CHESAPEAKE OPERATING, INC. 421 MARTI DRIVE CLEBURNE, TX 76033 (817) 556-5825 EXT 2805

APPLICATION FOR AUTHORIZATION TO INJECT LIST OF WELLS WITHIN ½ MILE RADIUS THAT PENETRATE INJECTION ZONE FORM C-108 ITEM #VI

TRINITY BURRUS ABO UNIT #28

WELL NAME	TYPE	DATE DRLD	LOCATION	DEPTH
TBAU 27	0	08/07/04	1473' FNL & 2056' FWL F, 27, T12S, R38E	9800
TBAU 12	0	03/17/05	990' FSL & 2270' FEL O, 27, T12S, R38E	9404
Hodge 1	0	09/18/97	495' FSL & 495' FWL M 27, T12S, R38E	12138
TBAU 25	0	06/18/03	2310' FSL & 330' FEL I, 27, T12S, R38E	9850

Page 3

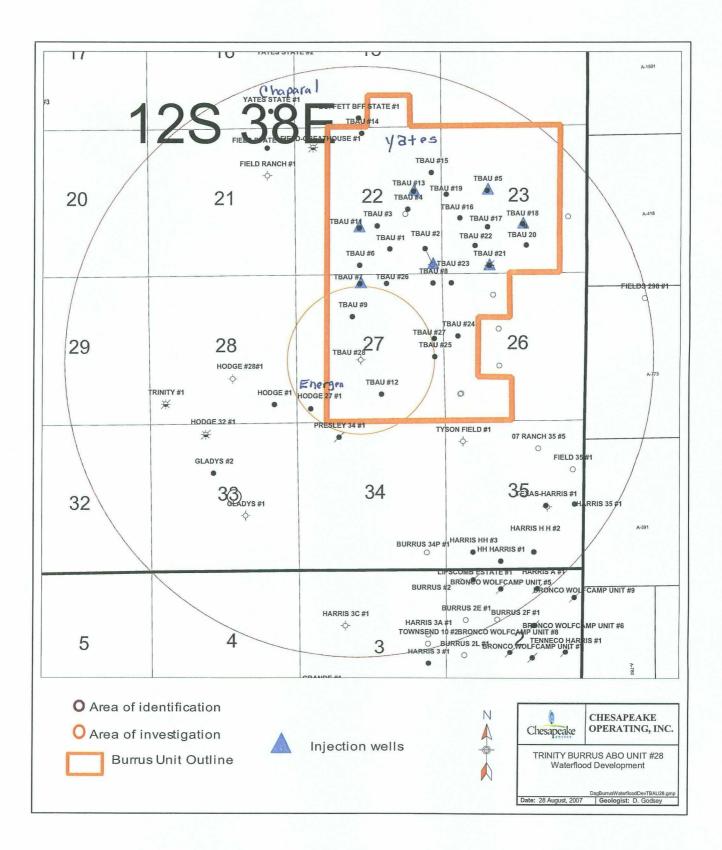
ft 3 fi³ с^п RANGE Method Determined: Circulated Method Detemined: Circulated 38E Method Determined: WELL CONSTRUCTION DATA Casing Size: 13 3/8 Casing Size: 8 5/8" (Peforated or Open Hole; indicated which) Casing Size: 51/2 TOWNSHIP -feet to 9126 Intermediate Casing **Production Casing** Injection Interval 12S Surface Casing or _ or or. SX. Cemented with: 1000 sx 35/65 Poz H_sx. -SX. SECTION 27 Cemented with: 1900sx Cl. C Cemented wtih: 500sx Cl. C Top of Cement: Surface Top of Cement: Surface Top of Cement: <u>NA</u> Hole Size: 17 1/2 Total Depth: 9814 Perforations: 9078 Hole Size: 77/8 Hole Size: 11 UNIT LETTER ¥ WELL NAME & NUMBER: Trinity Burrus Abo Unit #28 FOOTAGE LOCATION 2240' FSL & 2310' FWL WELLBORE SCHEMATIC OPERATOR: Chesapeake Operating, Inc. WELL LOCATION:

INJECTION WELL DATA SHEET

Side 1

3

Side 2



Procedure to Convert Producing Wells to Injectors Burrus Waterflood Lea Co. NM

- 1. MIRU workover rig. ND wellhead, NU BOP.
- 2. POH and lay down rods, pump and tbg.
- 3. RIH w/ injection packer on 2 3/8" plastic lined tbg. Place packer within 100' of the top perf.
- 4. Load backside with packer fluids and set packer.
- 5. Pressure test back side to 500 psi.
- 6. ND BOP, NU wellhead. RD workover rig. Hook well up for injection with flow meter. Install pressure gauges to monitor both tubing and annulus pressures.

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No. 3011 P. 2

P.O. BOX 98 Ma	artin Water Laborat	torles, Inc.		709 W. INDIANA
MIDLAND, TX. 79702)	410LAND, TEXAS 7970 FAX (432) 682-8819
PHONE (432) 683-4521	RESULT OF WATER AN	VALYSES	, ¢A	• •
	LA	BORATORY NO.		4-102
TO: Mr. Rob Crews	SA	MPLE RECEIVED _		13-04
5014 Carisbad Hwy, Hobbs, NM 88240	Re	SULTS REPORTED_	-8	17-04
COMPANY Chesapeake Operating				
COMPANY	LEA	\$E		······
FIELD OR POOL SURVEY	COUNTY Lea	BTAT	EN	4
		Q / A /		
SOURCE OF SAMPLE AND DATE TAKEN: Drinking water - taken from win	idmill south of new lo	ocation for Burrus	#12.	
NO. 1	er well next to Burru	s#2-A.		
Maximum contents for drinking	water as recommend	ed by the Texas D	ept. of Health.	······································
NU. 3				
NO. 4				
REWARKS:				
СНЕ	MICAL AND PHYSICAL		NOAT	NOA
	NO. 1 1.0007	NO. 2	NO. 3	NO. 4
Specific Gravity at 80 ° P.	1.0001	1.0013		
pH When Sompted	7.00	6.90		
pH When Received Biderbonato as HCO,	259	205		·····
Superativision to CaCO,				
Undersaturgtion as CaCO.				
Total Hardatas as CaCO.	250	700		
Caloum as Ca	90	216		
Magnesium as Mg	6	39		
Sadium and/or Potessium	89	300		
Builate as 80,	145	310	300	
Chloride as Ot	57	611	300	
Iron ga Fa	0.25	0.40	0.30	+·
Ballum as Ba				
Turbickty, Electric		·····		
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Carbon Dibuide, Calculated				
Dissolved Oxygen,			· · · · · · · · · · · · · · · · · · ·	
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Additional Determinations And Remarka	The analysing octa	ues die 200ve to o	e true and correct	to the pest
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		Kiteg (Jgden, B.S.	*

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LATHOM PRINTING CO. - 535-1292

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Devonian

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Analytical Laboratory Report for:

Chesapeake Operating

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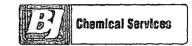
Account Representative: Jerry White

Production Water Analysis

Listed below please find water analysis report from: Apache, SWD

Lab Test No: Specific Gravity:	2005133824 1.034	Sample	Sample Date:	
TDS: pH:	50896 6.80			
Cations:	· <u>····································</u>	mg/L	<u>as:</u>	· · <u>· · · · · · · · · · · · · · · · · </u>
Calcium		1954	(Ca ^{⁺⁺})	
Magnesium		522	(Mg ⁺⁺⁾	
Sodium		14091	(Na ⁺)	
Iron		56.41	(Fe ⁺⁺)	
Potassium		480.0	(K [*])	
Barlum		0.35	(Ba ^{⁺+})	
Strontium		55.89	(Sr ⁺⁺)	
Manganese		1.23	(Mn ^{⁺†})	
Anions:		mg/L	as:	
Bicarbonate		415	(HCO ₃)	
Sulfate		1200	(SO,)	
Chloride		32600	(CI)	
Gases:			*·/	
Carbon Dioxide		50	(CO ₂)	
Hydrogen Sulfidø			(H ₂ S)	

Chesapeake Operating Lab Test No: 2005133824 DownHole SAT[™] Scale Prediction @ 100 deg. F



Mineral Scale	Saturation Index	Momentary Excess (Ibs/1000 bbls)
Calcite (CaCO3)	3.18	.13
Aragonite (CaCO3)	2.69	.119
Witherite (BaCO3)	< 0.001	-20.42
Strontlanite (SrCO3)	.157	-1.43
Magnesite (MgCO3)	.939	0103
Anhydrite (CaSO4)	.632	-152.48
Gypsum (CaSO4*2H2O)	.729	-112.54
Barite (BaSO4)	1.67	.0828
Celestite (SrSO4)	.259	-89.81
Silica (SiO2)	0	-52.27
Brucite (Mg(OH)2)	< 0.001	583
Magnesium silicate	0	-120.03
Strengite (FePO4*2H2O)	. 0	>-0.001
Siderite (FeCO3)	154.45	.219
Halite (NaCi)	.00771	-178312
Thenardite (Na2SO4)	< 0.001	-70042
Iron sulfide (FeS)	0	0256

Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

Trinity Burrus Abo Unit

Surface Ownership:

* *

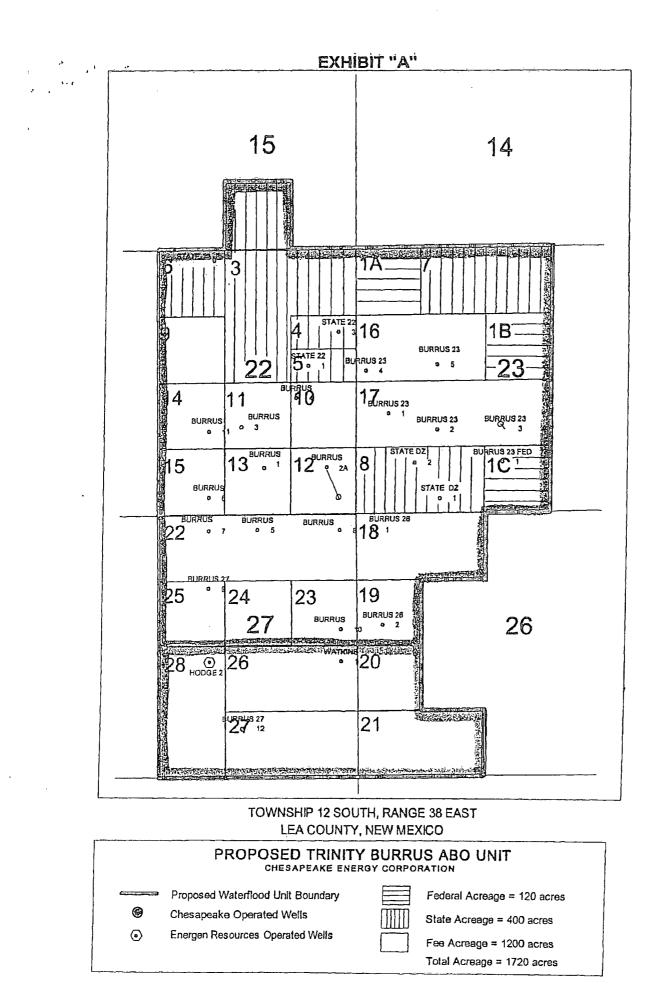
PO Box 1090 Plains, TX 79355 (806/456-7401)

Owns all of surface inside unit, less the below listed land.

Jimmy P. Hodge P.O. Box 565 Lovington, NM 88260 (505/396-2104)

> NW SW & S/2 SW of Sec.26; And SE & E/2 SW of Sec. 27; All in T12S-R38E Lea County, NM

(See attached map)



AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of _____ 1

weeks.

___ 2007

Beginning with the issue dated

October 5 _____ 2007

and ending with the issue dated

October 5

Publisher Sworn and subscribed to before

8th me this_ _day of

October

Notary Public.

My Commission expires February 07, 2009 (Seal)



OFFICIAL SEAL DORA MONTZ NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires:

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

02107807000 02596498 CHESAPEAKE ENERGY CORP. P.O. BOX 548806 OKLAHOMA CITY, OK 73154

LEGAL NOTICE October 5, 2007 Chesapeake Operating, Inc. intends to convert the following well to a water injection service: Trinity Burrus Abo-Unit #20, which is 990 ft from the south line and 2,170 ft from the east line of Sec 23, T12S, R38E, Lea County, New Mexico. The formation to be injected into is the Wolfcamp at the following intervals 9,148 ft to 9,190 ft: This formation is productive of oil and gas. The proposed injection is for the purpose of increasing recovery of oil and gas from this formation and this well is part of the Trinity-Burrus (Abo) Unit. The maximum expected injection rate is 1,000 BWPD at a maximum injection pressure of 1,850 psi. Questions or objections can be addressed to Chesapeake Operating, Inc., 6224 N Western Ave, Oklahoma City, OK 73118, or call Charlie Robinson @ 405 879-8522. Objections or requests for hearing must be filed within 15 days of this notice to the Oil Conservation Division, 1220 S. St Francis Dr.; Santa Fe; NM 87505. • • • ••... ٠. #23560 -----

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

1

of _____

____ weeks.

____ 2007

Beginning with the issue dated

October 5 2007 and ending with the issue dated

October 5

Publisher Sworn and subscribed to before

8th me this_ . day of

October 2007 Notary Public.

My Commission expires February 07, 2009 (Seal)



OFFICIAL SEAL DORA MONTZ NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires:

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made. 02107807000 02596553 CHESAPEAKE ENERGY CORP. P.O. BOX 548806 OKLAHOMA CITY, OK 73154

LEGAL NOTICE October 5, 2007

Chesapeake Operating, Inc. intends to convert the following well to water injection service: Trinity Burrus Abo Unit #28, which is 2,240 ft from the south line and 2,310 ft from the west line of, Sec 27, T12S, R38E, Lea County, New Mexico. The formation to be injected into is the Wolfcamp at the following intervals: 9,078 ft to 9,126 ft. This formation is productive of oil and gas. The proposed injection is for the purpose of increasing recovery of oil and gas from this formation and this well is part of the Trinity-Burrus (Abo) Unit. The maximum expected injection rate is 1,000 BWPD at a maximum injection pressure of 1,850 psi. Questions or objections can be addressed to Chesapeake Operating, Inc., 6224 N Western Ave, Oklahoma City, OK 73118, or call Charlie Robinson @ 405 879-8522. Objections or requests for hearing must be filed within 15 days of this notice to the Oil Conservation Division, 1220 S. St Francis Dr., Santa Fe, NM 87505 -----#23562

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

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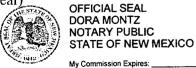
October 5

Publisher Sworn and subscribed to before

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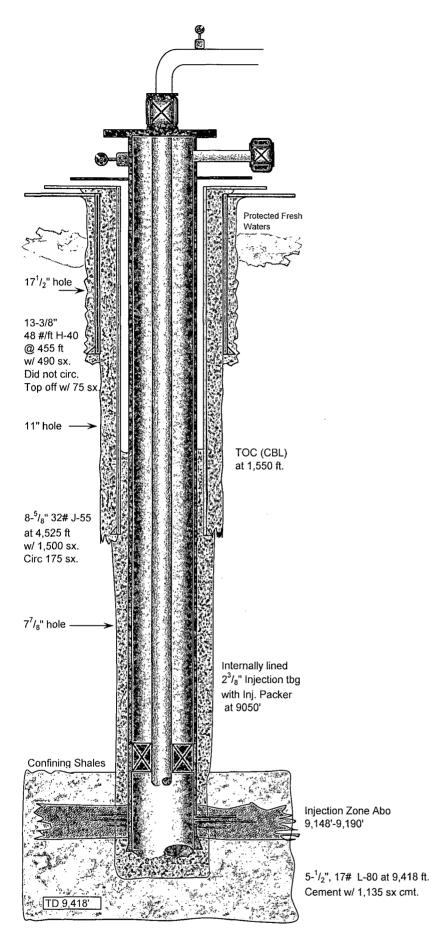
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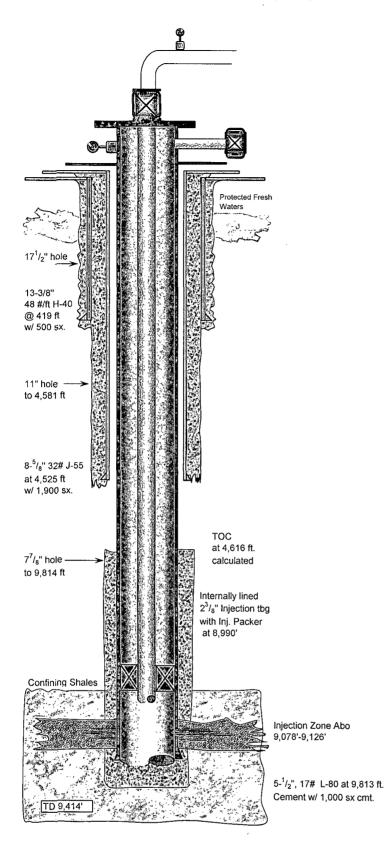
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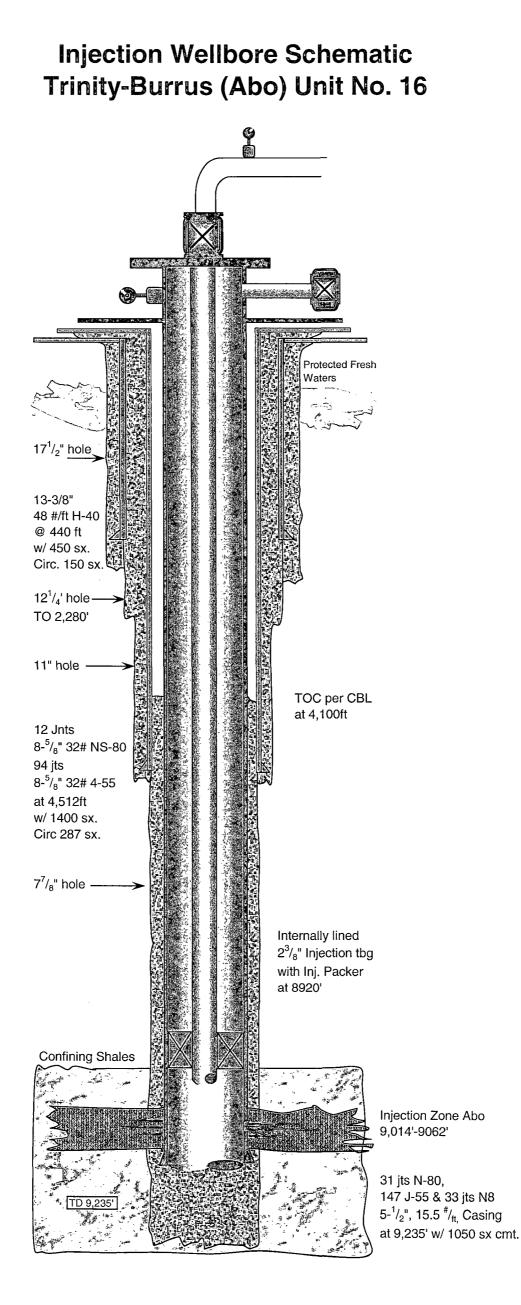
	LEGAL NOTICE	1 - A
• • • • • • • • • • • • • • • • • • •	October 5, 2007	
well to a water in #16, which is 1,98 west line of Sec 2 The formation to t lowing intervals: S ductive of oil and d pose of increasing tion and this well The maximum exp maximum injection jections can be at 624 N Western Charlie Robinson for hearing must b	rating, Inc. intends to convert the following njection service: Trinity Burrus Abo Unit 10 ft from the south line and 660 ft from the 3, T12S, R38E, Lea County', New Mexico. De injected into is the Wolfcamp at the fol- 0,014 ft to 9,062 ft. This formation is pro- gas. The proposed injection is for the pur- gerovery of oil ang gas from this forma- is part of the Trinity-Burrus (Abo) Unit. Decled injection rate is 1,000 BWPD at a Depressure of 1,850 psi. Questions or ob- differessed to Chesapeake, Operating, Inc., Ave, Oktahoma CityOK, 73118, or call @ 405 879-8522, Objections or requests e filed within 15 days of this notice to the ivision, 1220 S. St Francis Dr., Santa Fe,	

Injection Wellbore Schematic Trinity-Burrus (Abo) Unit No. 20



Injection Wellbore Schematic Trinity-Burrus (Abo) Unit No. 28





Jones, William V., EMNRD

From:	Jones, William V., EMNRD		
Sent:	Thursday, November 29, 2007 4:25 PM		
To:	'Brenda Coffman'		
Cc:	'Charlie Robinson'; Ezeanyim, Richard, EMNRD		
Subject: RE: TBAU Injection Permits			

Hello Brenda:

Concerning the 4 proposed increased injection wells in the Trinity Burrus Abo Unit Waterflood Project:

Everything looks OK, but I have some notice questions and a vertical limit question:

NOTICE:

Your map indicates that Energen is the operator or lessee of the well #28's AOR (outside the Unit boundary) in the W/2 W/2 of Section 27 - is that true? For the AOR of #20, in Units I, P of Section 23 and in Units A, B of Section 26, who is the lessee or Division designated operator? Would you send copies of your mailer notifications to all affected parties including the surface owner? Your Cleburne Texas contact info is different than the address used in the newspaper notification - why is that?

VERTICAL LIMITS:

The Unit was approved with vertical limits from 9063' to 9131' as measured in the State DZ #2 30-025-36373. Would you check with your geologist and send a confirmation that all injection proposed in these 4 new injection wells will be within those boundaries?

I have the two permits you submitted ready to release, pending answers to these questions and pending the Rule 40 issues.

Thank You

William V. Jones PE New Mexico Oil Conservation Division 1220 South St. Francis Santa Fe, NM 87505 505-476-3448

From: Charlie Robinson [mailto:CRobinson4@chkenergy.com]
Sent: Wednesday, November 28, 2007 1:31 PM
To: Jones, William V., EMNRD
Subject: RE: TBAU Injection Permits

Thanks for the reply. I understand the amount of work you and your people must be facing. I appreciate the information and look forward to hearing from you soon.

Charlie

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Wednesday, November 28, 2007 12:27 PM
To: Charlie Robinson
Subject: RE: TBAU Injection Permits

Charlie:

11/29/2007

TBAU Injection Permits

Thanks for your info about the unit.

We had an engineer retire here and no Petr Engr. seems willing to work for the State at this time - so we are backed up.

You are not the only one asking for critical orders to be released - even within Chesapeake. Yesterday, I did an NSL for Chesapeake that was critical and one for Yates and one for EOG and seven hearing orders for El Paso that were critical.

Can't say when this will get released, but will try to get it in the next two weeks.

I am telling everyone to plan on more than the normal 30 day delay for applications.

Regards,

William V. Jones PE New Mexico Oil Conservation Division 1220 South St. Francis Santa Fe, NM 87505 505-476-3448

From: Charlie Robinson [mailto:CRobinson4@chkenergy.com]
Sent: Wednesday, November 28, 2007 10:34 AM
To: Jones, William V., EMNRD
Cc: Jarvis Hensley; Terry Frohnapfel; Everett Bradley
Subject: TBAU Injection Permits

Mr. Jones,

My name is Charlie Robinson and I am an Asset Manager for the North Permian district for Chesapeake Energy. I work the waterfloods in New Mexico and was curious about the status of the injection permits for several wells in the Trinity Burrus Abo Unit (TBAU) waterflood. We have sent in permits for the TBAU 4H, 16, 20 and 28, each of which are located within the existing waterflood unit.

We have seen response in several wells thus far and have performed various diagnostic tests to understand the injection in this field. Based on the response observed and the test results, these additional injection wells are required to optimize the sweep of the flood. As the response continues, it is imperative that these wells be placed on injection as soon as possible to maximize sweep in the flood.

Your consideration in expediting the approval process would be greatly appreciated. Do you have any questions regarding any of the applications? Thanks for your time.

CHARLIE ROBINSON

ASSET MANAGER - NORTH PERMIAN CHESAPEAKE ENERGY CORPORATION PHONE: 405.879.8522 CELL: 405.213.5343 EMAIL: CROBINSON4@CHKENERGY.COM

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11/29/2007



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E. Director Oil Conservation Division

December 19, 2007

Will Jones, OCD Hearing Examiner Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

Hand delivered

Re: Chesapeake Operating, Inc., OGRID 147179 Inactive well list

Dear Mr. Jones,

Charlie Robinson of Chesapeake Operating, Inc. (Chesapeake) has informed me that Chesapeake has a pending application for an injection permit, and he is concerned about Chesapeake's standing under Rule 19.15.1.40 NMAC (Rule 40).

As an operator of over 1000 wells, Chesapeake may have no more than 10 wells on the inactive well list. I have attached a copy of the current inactive well list for Chesapeake, which shows 11 wells.

One of those wells, the Lotos 11 Federal #002, API 30-015-28821, was converted to an injection well in March 2007. I have attached a copy of the federal sundry showing the work that was done on the well. I have also attached a sundry filed with the local Oil Conservation Division district office indicating that the well has been converted to an injection well.

The Lotos 11 Federal #002 still appears on the inactive well list because C-115s showing injection have not yet been filed.

Rule 19.15.1.7.I(4) NMAC defines inactive well as a well "which is not being utilized for beneficial purposes such as production, injection or monitoring and which is not being drilled, completed, repaired or worked over." Because the Lotos 11 Federal #002 was re-completed in March 2007, it was returned to activity at that time. It should be included when considering how many wells Chesapeake has on the inactive list. It appears on the inactive well list only because the computer does not recognize sundries showing drilling, completion, repairs or workovers.

As Rule 40 states, the listing of a well on the inactive well list as a well inactive for more than one year plus ninety days creates a "rebuttable presumption" that the well is out of compliance with Rule 19.15.4.201 NMAC. Chesapeake has rebutted that presumption as to the Lotos 11 Federal #002. I ask that you exclude that well when evaluating Chesapeake's inactive well list for compliance with Rule 40.

Mil Man Joda Sincerely,

Gail MacQuesten, OCD Attorney

Cc: Charlie Robinson

R <u></u>		ection Permit (
SWD Order Number	Date	s: Division Approve	edDistri	ct Approved			
Well Name/Num RWITY	BURENS ABOUNII	H 20, 18, 0	Date Spudded	· >			
API Num: (30-)	County:	Lea		R-12496			
Footages	§	Sec <u>23</u> Tsp _ [25 Rge 38E	1 1 1 1 1 1 1 1			
Operator Name: Ches opente Office INC Contact Branch Coffin							
Operator Address: 421 Marti Pr. Caburne TX 76033 - TV Cak							
Current Status of Well:	Pla	nned Work:	·	Inj. Tubing Size: E718 63 70			
	Hole/Pipe Sizes	Depths	Cement	thop Weethod 7			
Surface				#28 21/80 1			
Intermediate							
Production	L						
Last DV Tool							
Open Hole/Liner							
Plug Back Depth	- A Del.						
Diagrams Included (Y/R):		After Convers		0Fel 32-025-3656 #20			
Checks (Y/I)	ell File Reviewed	9014-19062 ELogs in Imagin 6.78-1912-6	5 1980 F51/660	FWL 30-025-36251 #16			
Intervals:	Depths	Formation	Producing (Yes/No	oFWL 30-085-37254#28			
Salt/Potash							
Capitan Reef							
Cliff House, Etc:	· .						
Formation Above							
Top Inj Interval	29080			PSI Max. WHIP			
Bottom Inj Interval				Open Hole (Y/N)			
Formation Below				Deviated Hole (Y/N)			
Fresh Water: Depths: 3. Salt Water Analysis: Inject Notice: Newspaper(Y/N)	ion Zone (Y/N/NA)	DispWaters (Y/	lysis Included (Y/V): /N/NA) / ? EMIneral Owner(s)	Affirmative Statement Pw/Fw/DEVoNIA			
Other Affected Parties:	Afree	Hop. / Eron	m/Yate				
AOR/Repairs: NumActiveV			and the second data and th	AOR 12			
AOR Num of P&A Wells	Repairs?	Diagrams Included	1?	RBDMS Updated (Y/N)			
Well Table Adequate (Y/N)	AOR STRs:	Sec	_TspRge	UIC Form Completed (Y/N)			
New AOR Table Filename		Sec	TspRge	This Form completed			
Conditions of Approval:			TspRge				
#20; UNITS #16; all in #28; Ener AOR Required Work:				26; UNITS A, B			
Required Work to this We	ll:		· · · · · · · · · · · · · · · · · · ·				