DATE IN	-8-04	23/04 ENGINEER YONLO LOGGED IN 10-8-04 FYPE SWD PAPER NO. 428251790
		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - 1220 South St. Francis Drive, Santa Fe, NM 87505
		ADMINISTRATIVE APPLICATION CHECKLIST
		IANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
	[DHC-Dow [PC-Pc	s: ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] mhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] ool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] Ilified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
<b>[1]</b>	TYPE OF AI [A]	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
	Check [B]	c One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	[D]	Other: Specify
[2]	NOTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or  Does Not Apply 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
[3]		CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE ATION INDICATED ABOVE.
	al is <b>accurate</b> an ation until the rea	<b>TION:</b> I hereby certify that the information submitted with this application for administrative nd <b>complete</b> to the best of my knowledge. I also understand that <b>no action</b> will be taken on this quired information and notifications are submitted to the Division.
	Note:	Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

.

Signature

Title

Date

e-mail Address

2004 OCT 8 PO 1 34 Email: judahojl@vahoo.com office: 505-746-1280 cell : 505-748-5488 fax : 505-746-1290

September 29, 2004

Oil Conservation Division 1220 South St Francis Dr. Santa Fe, NM **87**505

RE: Application for Approval to convert Oxy T-Bone Federal 31 Gas Well into a Commercial Salt Water Disposal Well.

Dear Sir or Madam,

Please find enclosed my "Application for Authorization to Inject." Our intent is to convert the Oxy T-Bone Federal 31 Gas Well to a Commercial Saltwater Disposal Well.

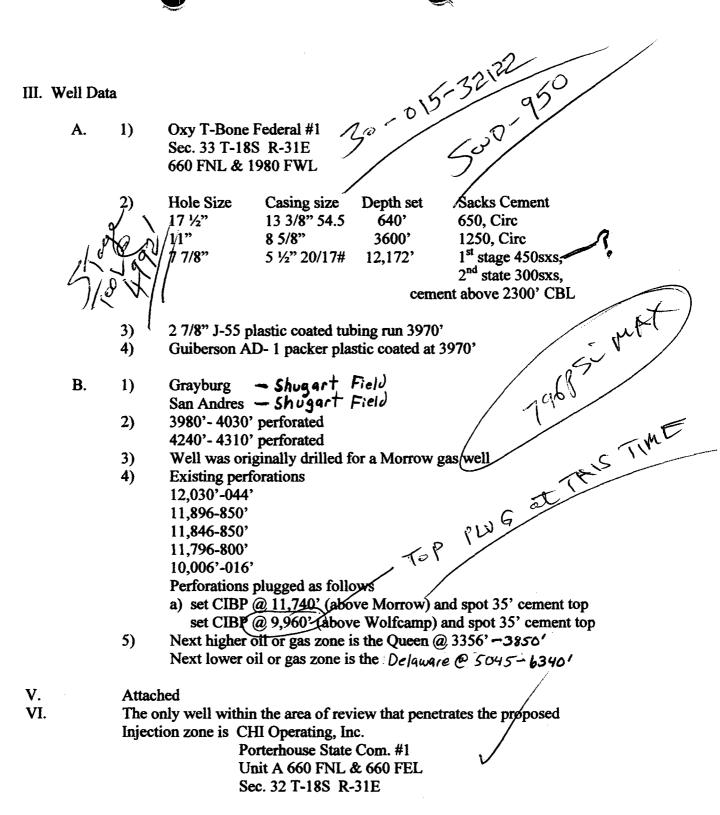
I have met with Owen Loflin of the BLM office in Carlsbad, NM. I have also requested to meet with Eric Holborn of the BLM on location for inspection.

If I can be of any assistance to you in the processing of this application, please let me know. My phone number is 505-748-5488. Thank you for your consideration.

Sincerely,

James B. Campanella Owner of Judah Oil

and Enc/



Please see the attached Well Completion Report, dated 7/17/03 and Received at the Artesia ODC on 7/21/03.



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

	APPLICATION FOR AUTHORIZATION TO INJECT
I.	PURPOSE:       Secondary Recovery       Pressure Maintenance       X       Disposal       Storage         Application qualifies for administrative approval?       Yes       No
II.	OPERATOR: Judah Oil
	ADDRESS:P.O. Box 568 Artesia, NM 88211-0568
	CONTACT PARTY:
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project?YesNo If yes, give the Division order number authorizing the project:
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:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>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.).</li> </ol>
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic 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). CBL - A+tached
*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 sources 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: James B. CampanellaTITLE:TITLE:
	SIGNATURE DATE: 9/23/04

E-MAIL ADDRESS:

E-MAIL ADDRÉSS: <u>judahoil@yahoo.com</u> If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances 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 the 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, New Mexico 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.

- VII. 1) Proposed avg. daily injection is 2500 bpd, and maximum daily Injection volume is 5000 bpd.
  - 2) This system will be open/
  - 3) Estimated injection pressure is 750 PSI and estimated maximum injection Pressure is 1500 PSI
  - 4) Attached
  - 5) Attached
- VIII. 1) Lithologic report attached.
  - 2) Geological name of proposed injection zone-Grayburg/San Andres
  - 3) Grayburg-50' in thickness to be perfed from 3980' to 4030' San Andres -70' in thickness to be perfed from 4240' to 4310'
  - 4) Underground source of drinking water- Rustler- bottom of drinking water @ 632' below surface
  - 5) No underlying fresh water zones
- IX. 1) Set CIBP @ 5,000' w/35' cement, Set CIBP @ 4450' w/35' cement
  - 2) Perf San Andres Formation 4240-4310' w 2spf
    - 3) Pump 1,000gal 15% NEFE HCL
    - 4) Perf Grayburg Formation 3980-4030' w 2spf
    - 5) Pump 1,000 gal 15% NEFE HCL
- X. Well logs and test data have previously been filed with the Division CBL-Attached
- XI. There are no fresh water wells producing within a one mile radius of the proposed disposal well.
- XII. Available geological data has been examined and shows no evidence of open Faults or any hydrological connection between the disposal zone and any Underground source of drinking water.
- XIII. Attached

Side I	INJECTION	INJECTION WELL DATA SHEET		
OPERATOR: Judah	Oil			
WELL NAME & NUMBER:	T-Bone Federal #1			
WELL LOCATION:	1980'FWL	C	5.U	
	FOUTAGE LUCATION	UNIT LETTER	SECTION	
WELLBORE SCHEMATIC	CHEMATIC		<b>WELL CONSTI Surface Casing</b>	WELL CONSTRUCTION DATA Surface Casing
		Hole Size: 173"		Casing Size: 13 3/8
		Cemented with: 650	SX.	or
		Top of Cement:	surface	Method Determined: circulat
	*Surface 660sx"C"		Intermediate Casing	: Casing
	/8 54# 0	Hole Size: 125"		Casing Size: 9 5/8
ent CBL	Intermediate 1250sx"C",	Cemented with: 1250	SX.	0F
	/o 32# Circulat	Top of Cement: <u>surface</u>	1Ce	Method Determined: circulat.
			Production Casing	Casing
2 7,	7/8 Plastic Coated J-55 tub	ubing Hole Size: <u>8 3/4"</u>		Casing Size: 53
AD-Pack <del>ar ind</del> A	<b>Grayburg</b> 3980-4030	Cemented with: 725	SX.	of
	<b>San Andres</b> 4240-4310	Top of Cement: <u>above</u>	2300'	Method Determined: Cement
CIBP CIB	CIBP 4450' IBP 5000'	Total Depth: 12, 172		
			Injection Interval	
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	BP 11740	(Perfi	orated or Open Ho	(Perforated or Open Hole; indicate which)
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# INJECTION WELL DATA SHEET

	Name of the Injection Formation: Grayburg - San Andres
Is this a new well drilled for injection?YesNoYesNoYesNo	iginally drilled?
	ame of the Injection Formation: <u>Grayburg - San Andres</u>

Ś injection zone in this area: Give the name and depths of any oil or gas zones underlying or overlying the proposed

intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
1) Morrow 11796-12044 ... Set CIBP @11740 w/ 35' cement
2) Wolfcamp 10006-10016 ... Set CIBP @9960 w/ 35' cement

Has the well ever been perforated in any other zone(s)? List all such perforated

4

Overlying zone: oil Oueen 3356-3850

Underlying zone: oil Deleware 5045-6340

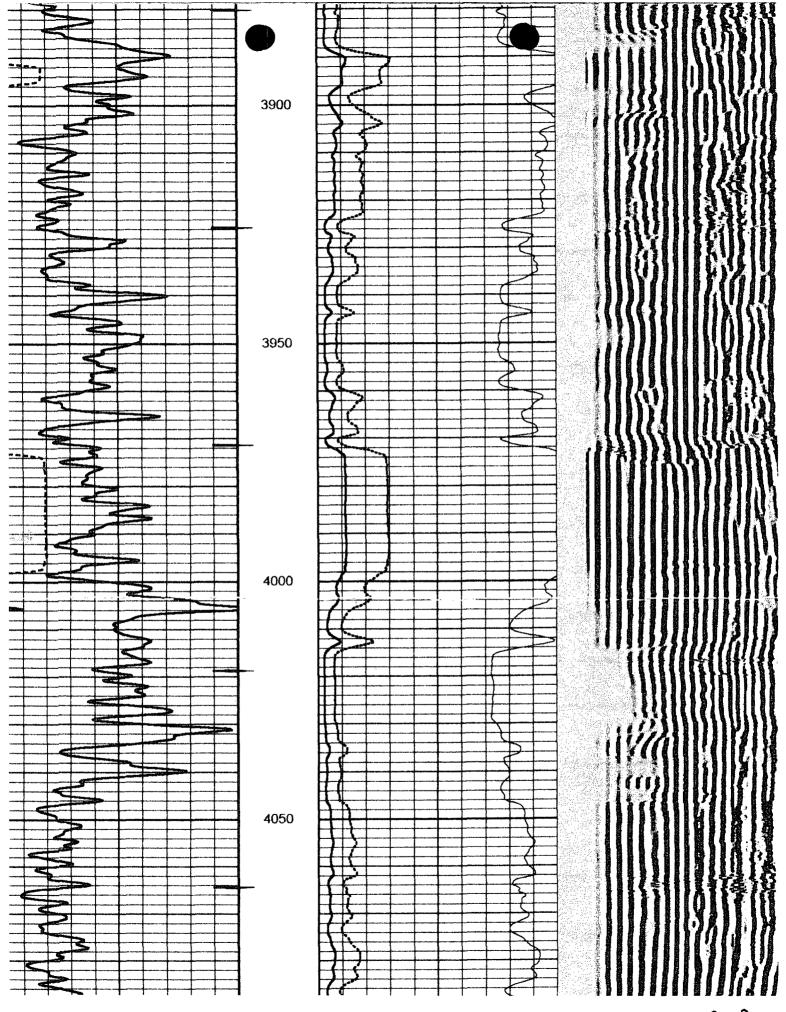
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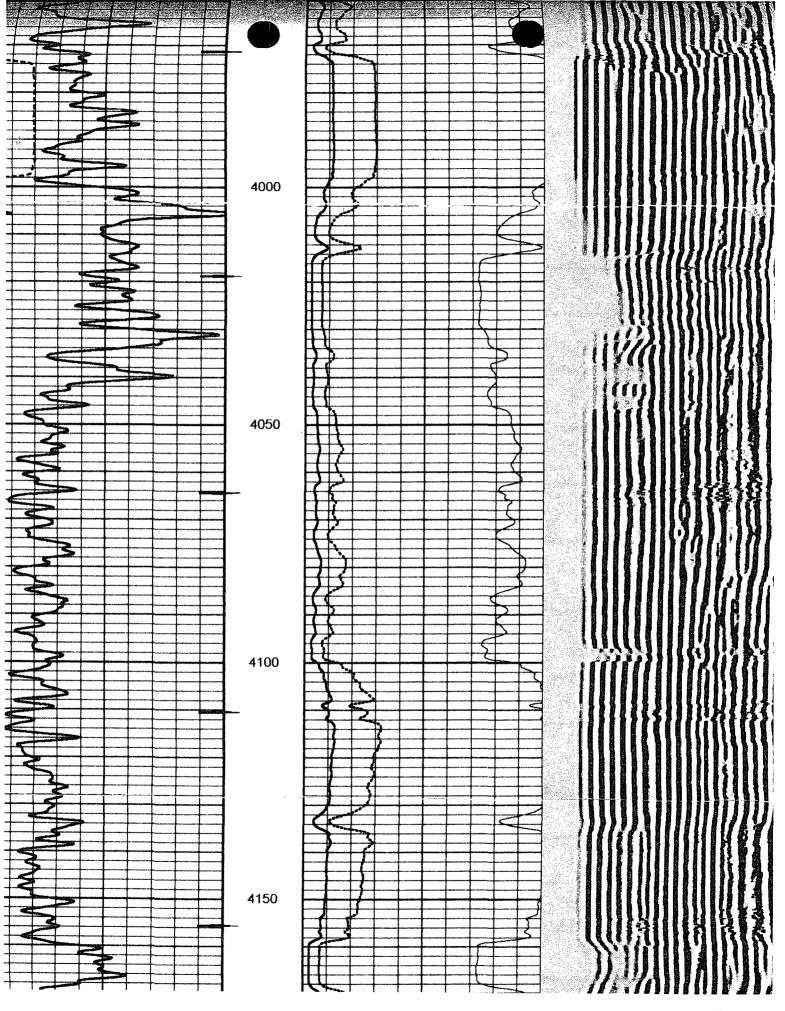
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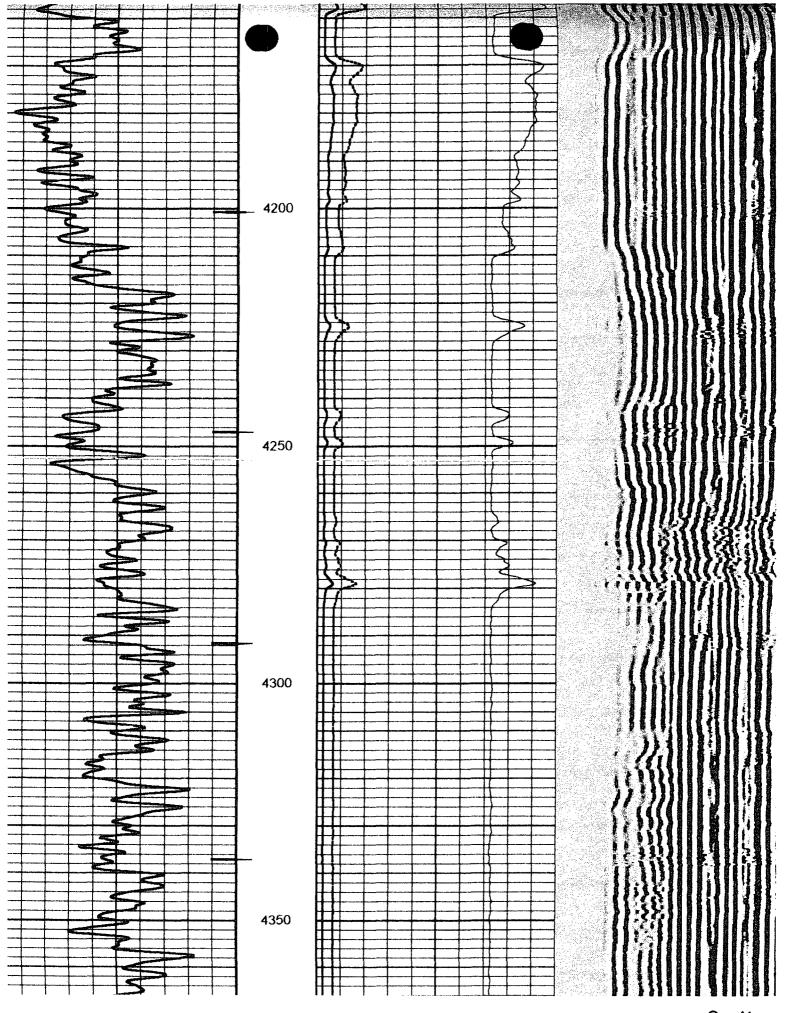


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Attack	mont I		à								
Submit To Anosonia	te District Office		$\sim$	State of New M					×		Form C-105
State Lease - 6 copies	5	Ene	rgy, I	Minerals and Na	atural Ro	sources	ſ	WELL API	NO	Re	vised March 25, 1999
District I 1625 N. French Dr., J	Hobbs, NM 88240		6	Dil Conservation	Division	•		30-015-326			
District II	ne, Artesia, NM 8821	0	-	220 South St. Fr			ľ	5. Indicate		ease	
District III 1000 Rio Brazos Rd.				Santa Fe, NM	87505			the second s	TE 🔀		E
District IV		)6						State Oil &	Gas Lease	No.	
1220 S. St. Francis D	T., Santa Fe, NM 875 OMPLETIO	N OR RECO	MPL	ETION REPO	RT AN	DLOG				in tana	
1. Type of Well:						<u> </u>		7. Lease Nar	ne or Unit Ap	greement	Name
OIL WE b. Type of Comp NEW	LL C GAS WI letion: WORK C DEE OVER			OTHER AND	317 18 19	2027 22 22 22	-	Porterho	ouse State	Com.	
2. Name of Operat		BACK		12	D. M.		1/2	8. Well No.			
Chi Operati	ng, Inc.				AFCC A		12	#]		· · · · · · · · · · · · · · · · · · ·	-
3. Address of Oper P.O. Box 17	99 Midland,	FX 79702		68	ARTES		2623	9. Pool name or	Wildcat		
4. Well Location Unit Letter	_A:660	Feet From The	NOF		and 66	0 c 61,3		Feet From Th	eE/	AST	Line
Section	32	Township	185		31E	and the second se	MPM		County		0
10. Date Spudded	11. Date T.D. R		ate Con	npl. (Ready to Prod.)	13	. Litevations (	•	RKB, RT, GR,	ac.)	14. Elev.	Casinghead
3/29/03	5/06/0		17 161	7/10/03 Multiple Compl. How	<u> </u>	18. Interv		3597'		0.11.0	
15. Total Depth				natupic Compi. riow nes?	Many	Drilled B		Rotary Tools		Cable ]	LOOIS
12,210'		2,138' detion - Top, Bottor	Nam	•		L		12	). Was Dire	tional Su	munt Mada
11.848-66', 11	.804-10', 11.8	96-900', 11,907	-12',		23-33',	11,945-62		4			ES
21. Type Electric a Deviation Surv	nd Other Logs Rut	L		· · · · · · · · · · · · · · · · · · ·				22. Was Well	Cored		
23.			ING	RECORD (Repo	rt all stri	ngs set in	wel	l)		<del>.</del>	
CASING SIZ		GHT LB./FT.		DEPTH SET	HC	LE SIZE		CEMENTING		A	MOUNT PULLED
13 3/8"		54.50#		660'	L	<u>17%"</u>		650sxs, Cir			· · · · · · · · · · · · · · · · · · ·
<u>8 5/8"</u> 5½"		32# 20/17#	÷	3614' 12,210'	,	11" 7 7/8"		1175sxs, die 1 <sup>st</sup> -250sxs,	d not circ	0-0	ks @4530
372	1	cu/1/#		12,210		//0		2 <sup>nd</sup> -350sxs,	>	100 S	ks Tail TOC 23004
24.			L	INER RECORD	1		25.		UBING RI		
SIZE	ТОР	BOTTOM		SACKS CEMENT	SCREEN	1	SIZ	E	DEPTH SH	<u>3</u> T	PACKER SET
					+						
26. Perforation re	cord (interval, size	, and number)			27. AC	ID, SHOT	, FR/	ACTURE, CEN	AENT, SO	UEEZE	ETC.
11.848-66'. 11	.804-107.11.8	96-900°, 11,907	-12'.			INTERVAL		AMOUNT AN			
11,914-18', 11			,			-900',11,9					=7850#, 7bbls/min,
						,914-18', -33',11,94		6750	, Shintos	/4, 101	min/6809, 15min/
					62'	,,-					
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•		- INTERNET IVIDUED	- 12 PC 8			spe pump)		THE SOLUS (1			
7/10 Date of Test	Hours Tested	Choke Size	r	Flowing Produ For	Oil - Bbl		Gae	- MCF	Water - Bb	Prod.	Con Oil Patie
7/15/03				Test Period	1	<u> </u>	<b>J</b> 63			L	Gas - Oil Ratio
Flow Tubing	18 Casing Pressure	48/64 Calculated 24		Oil - Bbl.		0 MCF	V	606 Vater - Bbl.	6		PI - (Corr.)
Press.		Hour Rate	1				1	, und - LHA.		атиу - А	n-10077./
350# 29. Disposition of G	ne (Sold wood for	fuel period ata 1		· · · · · · · · · · · · · · · · · · ·						<b>J</b> D	
S	OLD	wei, renieu, Eic.)							est Witnesse ONNY MAI		
30. List Attachment 31 J hereby certi	s ty that the interv	nation shown an	hoth -	ides of this form a	e truc are	complet-	to It	a haat of			
	$\gamma \gamma \cap C$	1			s n ne una	complete	IU 174	e vest uj my Kh	owieage a	ui oellej	
Signature	nmu	ller		Printed Name ROBIN	ASKEW	T:+1	م D	EGII ATOP	VCIED	י אי	to 7/17/02
	NA		<u> </u>	MILLY AUDIN	INKE W	1 10	<u>v</u> K	EGULATOR	I ULEK	<u>n D</u>	105 //1//05

District I PO Box 1980, Hobbs, District II PO Drawer DD, Arie: District III 1000 Rio Brazos Rd., District IV 2040 South Pacheco,	sia, NM 88 Aztec, NM	211-0719 87410	Energy	, Min N CONSER 2040 Sci		urces Depart N DIVISI heco		Su	bmit to .	Appropr	Form C-10 ctober 18, 1994 istructions on back late District Office 5 Copie	Y NO	Attac	hment #4
1.	R	EQUEST	FOR A	LLOWABI	E AND	AUTHO	RIZA							•••
		•	nator name an	d Address					2 OGRID	Number			pgl	
Gruy Petrol		agement C	ompany							2683	<u> </u>		ry.	
P.O. Box 14		14								or Filing Co				
Irving, Tex	as /50 I Number	14			5 Pool	Name		Change	or upe	_	5/1/97) Pool Code			
	-015-05	£20		Shugar		7rvrs Qu G	navhum	~	ļ		56439			
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1		-		Ke	ohane Eta	al A Feder	ral				1	Ì		
п. "s	urface	Location	1											
UL or lot no.	Section	Township	Rango	Lot. Idn I	eet from the	1	outh Line	Feet from the	East/	West line	County			
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12 Lse Code	13 Produci	ng Method Co	de <sup>14</sup> Gas (	Connection Date	<sup>15</sup> C-129	Permit Numb	or	16 C-129 Effect	ive Date	17 C-	129 Expiration Date			
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III. Oil and	Gas T	ransport	ers							-		-		
<sup>18</sup> Transporter OGRID			nsporter Nam nd Address	c	20 P	OD	21 O/G	22		TR Locati	on	]	: 	
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IV. Produc	ed Wa	ter	· · · · · ·		·							-		
<sup>23</sup> POD				•	24 POD	ULSTR Locati	ion and D	escription						
2326850			8S, R-31	E, SC-28,	U-M				<u>.</u> .			J		
V. Well Co			dy Date	27 TI	<u> </u>	28 PE	PTD	29 Pa	forations	x	DHC, DC, MC	ר		
Spot Dat	•	. Noa	ay Deb					- 10	IOLAUOIS		DIC, DC, MC	1		
<sup>31</sup> Ho	lo Sie		<sup>32</sup> Casin	g & Tubing Size		<sup>33</sup> D	Septh Set			M Sacks (	Coment	1		
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VI. Well T	est Dat		· · ·		I	···		L.				L		
35 Daip New (		36 Gas Dolive	sry Date	37 Test Date		<sup>58</sup> Test Leng	gh -	<sup>39</sup> Tbg. Pro	SUIC	40	Csg. Pressure			
<sup>41</sup> Choke Size		42 Oil		43 Water		<sup>44</sup> Gas		<sup>45</sup> AOF		46	Test Method	1		
47 I hereby certify								ONSERVAT		VICION				
complied with and the best of my kno	that the ir	formation give								VISION				
Signature:	II.	<u>c</u>	<u> </u>		Appro	oved by:	SUPER	ISOR, DIST	RICT II					
Printed name:	R. D. C	ronk	5		Title:									
Title:					Appro	oval Date:		· · · · · · · · · · · · · · · · · · ·						
Det	Vice P	resident of (	÷				OCT_2	3 1997						
Dato:	6/26/9			(2) 401-3111	<u>I</u>									
47 If this is a ch	inge of ope	rator fill in the	OGRID mun	ber and name of t	he previous o		011 0	Gas Company	,		E /1 /07			
Kent Attor	Beers ney-in-	vious Operato Fact	C Signature	bur		Printed Name		aas compail		Title	<u>5/1/97</u> Date			





# Water Analysis AHachment

Date:

9/28/2004 71 # 4/ pga

2401 Sivley, Artesia NM 88210 Phone (505) 746-3140 Fax (505) 746-2293

### **Analyzed For**

				State
Keo	phane Et al 1	Ε	ddy	New Mexic
		Sample #		1
		Depth		
1.080		SG @	60 °F	1.082
6.77		Si	ulfides	
72		Reducing A	gents	
	in Mg/L	-23,799	in PPM	-21,987
	in Mg/L	46,000	in PPM	42,498
	in Mg/L	5,040	in PPM	4,656
	in Mg/L	0.0	in PPM	0
	in Mg/L	58,000	in PPM	53,585
	in Mg/L	1,800	in PPM	1,663
	in Mg/L	288	in PPM	266
3)	in Mg/L	136,000	in PPM	125,647
lc)	in Mg/L	87,329	in PPM	80,681
ation	in Mg/L	82,187	in PPM	75,930
			1	3,244,320
Remote / 500	,000 - 1,000,00	0 Possible / Above	1,000,000 Proba	ble
X			8	2,800,000
Remote / 500,	000 - 10,000,00	) Possible / Above	10,000,000 Proba	ble
	1.080 6.77 72 3) Ic) ation Remote / 500 Sx Remote / 500,	6.77 72 in Mg/L in Mg/L in Mg/L in Mg/L in Mg/L 3) in Mg/L 3) in Mg/L 3) in Mg/L 4tion in Mg/L ation in Mg/L Remote / 500,000 - 1,000,00	Keohane Et al 1         E           Sample #         Depth           1.080         SG @           6.77         St           72         Reducing A           in Mg/L         -23,799           in Mg/L         46,000           in Mg/L         5,040           in Mg/L         5,040           in Mg/L         0.0	Keohane Et al 1         Eddy           Sample #         Depth           1.080         SG @ 60 °F           6.77         Sulfides           72         Reducing Agents           in Mg/L         -23,799         in PPM           in Mg/L         -23,799         in PPM           in Mg/L         5,040         in PPM           in Mg/L         5,040         in PPM           in Mg/L         0.0         in PPM           in Mg/L         1,800         in PPM           in Mg/L         1800         in PPM           in Mg/L         288         in PPM           in Mg/L         136,000         in PPM           in Mg/L         87,329         in PPM           ic)         in Mg/L         82,187         in PPM           ation         in Mg/L         82,187         in PPM

Remarks

30-0 30 7 Proj II.	esia, NM 88 , Aztec, NM , Santa Fe, t Jelim Mar 40907 xas 750 PI Number 0-015-05 perty Code 7/74	azii-o719 I 87410 NM 87505 EQUES' <sup>1</sup> Ope nagement C 014 6636 S Location	OI T FOR A talor name al ompany	v, Minester Nr. 2040 Sc Santa F ULLOWABI ad Address Shugar	JE AND A Pool 1 Property Shuga	vrs Qu Gi	ON RIZAT	FION TO 1	TRANS	Appropr AME SPOR Number 2683 r Filing C rator ( 9 w	ode 5/1/97) Pool Code 56439 fell Number 3	a k k Y ( s G	Attachm <i>en</i> VII #4 Pg 3	ł
UL or lot no. O	Section 29	Township 18S	Range 31E	Lot. Idn I	ieet from the 330	North/So		Feet from the 1650	East	West line E	County			
		Hole Lo				L,						1		
UL or lot no.	Section	Township	Range	Lot. Idn 1	Feet from the	North/So	outh Line	Feet from the	East/	West line	County	]		
12 Lse Code	13 Produc	ing Method Co	vde <sup>14</sup> Gas	Connection Date	15 C-129 P	ermit Numbe	ar 1	<sup>16</sup> C-129 Effecti	vo Date	" C-	129 Expiration Date	-		
RF.		P										}		
III. Oil an	d Gas T					·		· · · · · · · · · · · · · · · · · · ·				<b>-</b>		
<sup>18</sup> Transporter OGRID			nsporter Nar nd Address	ne	20 PC	D	21 O/G	21		TR Locati scription	00			
22628	Т	EXAS NEW	MEXICO		23270	10	0	T-18S,	R-31E	, SC-2	29, U-O	]		
	P	IPELINE	со											
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23 POI			· · · · · · · · · · · · · · · · · · ·	· ·	× POD U	LSTR Locatio	ion and De	escription	·`			]		
2327050		T_18	S, R-31	E, <u>SC-</u> 29,	<u>u0</u>				·	·				
V. Well C			dy Date	27 T	<u> </u>	28 PB		29 Per	forations		DHC, DC, MC	ר		
30 H	lole Sie		<sup>32</sup> Casi	ng & Tubing Size		n D	epth Set			MSacks	Cement	-		
ļ									Fear	ti d	70.3	4		
									10	···»/	47	4		
									4-	hg_	Ex.	4		
VI. Well 7	Cost Do			<u> </u>	l			<u>l</u>				J		
<sup>35</sup> Date New		36 Gas Deliv	ery Date	37 Test Date	3	<sup>8</sup> Test Longt	th	39 Tbg. Pres	SUTE	40	Csg. Pressure	]		
<sup>41</sup> Choke Siz	28	<sup>42</sup> Oil		43 Water		44 Gas		<sup>43</sup> AOF		46	Test Method	]		
<sup>47</sup> I hereby certi complied with an	fy that the r ad phat-the is	ules of the Oil	Conservation on above is to	a Division have been used and complete to	an l		OIL CO	ONSERVATI	ON DIV	VISION		1		
the best of my ki Signature:	noviedge al	bolior.	)	rue and complete to	Approv	ed by:	SUPER	VISOR, DISTI	NCT II					
Printed name:	RD.C		en		- Titlo:		JUFER	100K, DIST	<u></u>		·· ·	·		
Title:						al Date:								
Date;	Vice P	resident of	Phone:				OCT	2 3 1997	<u></u>		·····			
	6/26/9		<u></u> _	(972) 401-311			<u></u>					1		
	ت	$\sim 1$	>	mber and name of i			011 &	Gas Company	_		_5/1/97			
Ker Att	nt Beega orney-ii	evious Operato n-Fact	or Signature		F	rinted Name			т	itle	Date			





# Water Analysis

Date: 9/28/2004

Attachment VII #4 Pg

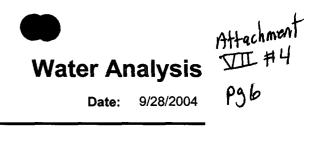
## 2401 Sivley, Artesia NM 88210 Phone (505) 746-3140 Fax (505) 746-2293

## **Analyzed For**

			ounty	State
	Shugart A 3	E	ddy	New Mexico
		Sample #		1
		Depth		
1.125		SG @	60 °F	1.127
6.53		Si	ulfides	
72		Reducing A	gents	
	in Mg/L	-19,970	in PPM	-17,713
	in Mg/L	40,000	in PPM	35,480
	in Mg/L	6,000	in PPM	5,322
	in Mg/L	0.0	in PPM	0
	in Mg/L	56,000	in PPM	49,672
	in Mg/L	1,600	in PPM	1,419
	in Mg/L	732	in PPM	649
3)	in Mg/L	125,000	in PPM	110,875
c)	in Mg/L	84,362	in PPM	74,829
tion	in Mg/L	77,193	in PPM	68,470
			2	9,280,000
Remote / 50	0,000 - 1,000,00	00 Possible / Above	1,000,000 Probal	ble
x			6	4,000,000
Remote / 500	),000 - 10,000,0	0 Possible / Above	10,000,000 Proba	bie
	6.53 72 72 3) c) tion Remote / 50 ex Remote / 500	6.53 72 in Mg/L in Mg/L tion in Mg/L in Mg/L an Mg/L in Mg/L i	Depth         1.125       SG @         6.53       St         72       Reducing A         in Mg/L       -19,970         in Mg/L       40,000         in Mg/L       6,000         in Mg/L       6,000         in Mg/L       0.0         in Mg/L       1,600         in Mg/L       732         3)       in Mg/L       732         3)       in Mg/L       125,000         ic)       in Mg/L       732         3)       in Mg/L       77,193         Remote / 500,000 - 1,000,000 Possible / Above	Depth           1.125         SG @ 60 °F           6.53         Sulfides           72         Reducing Agents           in Mg/L         -19,970         in PPM           in Mg/L         40,000         in PPM           in Mg/L         6,000         in PPM           in Mg/L         0.0         in PPM           in Mg/L         0.0         in PPM           in Mg/L         1,600         in PPM           in Mg/L         732         in PPM           in Mg/L         77,193         in PPM           ition         in Mg/L         77,193         in PPM           Attion         in Mg/L         77,193         in PPM

#### Remarks





2401 Sivley, Artesia NM 88210 Phone (505) 746-3140 Fax (505) 746-2293

## **Analyzed For**

Company	V	Vell Name		County	State
Chi Energy Inc	Porteri	nouse St Cor	n 1	Eddy	New Mexico
Sample Source			Sample #		1
Formation			Depth		
Specific Gravity	1.090		SG (	@ 60 °F	1.092
pН	7.56		i	Sulfides	
Temperature (°F)	71		Reducing	Agents	
Cations					
Sodium (Calc)		in Mg/L	3,655	in PPM	3,347
Calcium		in Mg/L	24,000	in PPM	21,974
Magnesium		in Mg/L	1,200	in PPM	1,099
Soluable Iron (FE2)		in Mg/L	3.0	in PPM	3
Anions	·······				
Chlorides		in Mg/L	50,000	in PPM	45,779
Sulfates		in Mg/L	1,200	in PPM	1,099
Bicarbonates		in Mg/L	1,074	in PPM	983
Total Hardness (as CaCO	3)	in Mg/L	65,000	in PPM	59,513
Total Dissolved Solids (Ca	ılc)	in Mg/L	81,132	in PPM	74,283
Equivalent NaCl Concentra	ation	in Mg/L	73,013	in PPM	66,850
Scaling Tendencies					
*Calcium Carbonate Index					25,766,400
Below 500,000	Remote / 500	,000 - 1,000,00	0 Possible / Abov	re 1,000,000 Proba	ble
Calcium Sulfate (Gyp) Ind Below 500,000		.000 - 10,000.00	) Possible / Abov	2 e 10,000,000 Proba	2 <b>8,800,000</b> able
*This Calculation is only an app treatment.					

#### Remarks

	ARTESIA DIST	-		MAY 1 8 1990 J
	LABORATORY R	EPORT	No	W282-90
NO Yates Energy		- 6	Date May	y 16, 1990
Suite 919 - Sunwest	Cențre	. ?		
Roswell, NM 88201	- Haldhar	9487905, nor 8 948 0207955 1 10805 10 810 00	copy thereof is to be published without approval of laboratory	Incost and naishes 4 nor phy part or percented without lend to comp management, it may however, be none by any person or concern and in Hattourton Services
Submitted by Gene Printz		Date	Rec. May 1	6, 1990
Well No. Thorn Bush Fed. #1	Depth	4670'	Formation	San Andres
Field Sec. 1, T 185, R 31E	County	Eddy	Source	Tank Battery
<b>Resistivity</b> 0.051	@ 75°			
Resistivity       0.051         Specific Gravity       1.129         pH       6.75         Calcium       12,444         Magnesium       3,552	@ 75°			
Specific Gravity         1.129           pH         6.75           Calcium         12,444				
Specific Gravity       1.129         pH       6.75         Calcium       12,444         Magnesium       3,552				
Specific Gravity       1.129         pH       6.75         Calcium       12,444         Magnesium       3,552         Chlorides       114,000				
Specific Gravity       1.129         pH       6.75         Calcium       12,444         Magnesium       3,552         Chlorides       114,000         Sulfates       1,000				
Specific Gravity       1.129         pH       6.75         Calcium       12,444         Magnesium       3,552         Chlorides       114,000         Sulfates       1,000         Bicarbonates       397				
Specific Gravity       1.129         pH       6.75         Calcium       12,444         Magnesium       3,552         Chlorides       114,000         Sulfates       1,000         Bicarbonates       397         Soluble Iron       0				

'era Respectfully submitted

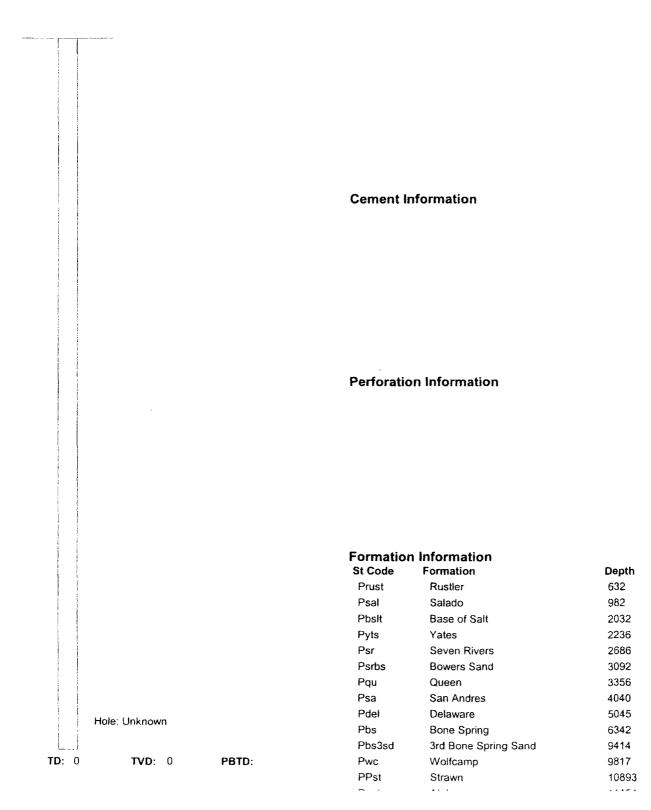
Analyst: Rocky Chambers - Field Engineer

HALLIBURTON SERVICES

NOTICE:

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9/27/2004	Wellbore Diagram	r263
30-015-32122-00-00		OXY T-BONE FEDERAL No. 001
Company Name: JUDAH OIL		
Location: Sec: 33 T: 18S R: 31E Spot:	String Information	Attachment VIII
Lat/Long: Lat: 32.7094386190837 Long: -103.8	76617627423	
Property Name: OXY T-BONE FEDERAL		
County Name: Eddy		



. ..

# Affidavit of Publication

State of New Mexico, County of Eddy, ss.

#### Dawn Higgins, being first duly sworn, on oath says:

That she is Business Manager of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy. state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

October 2	······	2004
		2004
		2004
		2004

That the cost of publication is \$ 37.64 and that payment thereof has been made and will be assessed as court costs

 $L(v_{\gamma})$ 

Subscribed and sworn to before me this

day of 2 My commission expires

Notary Public

October 2, 2004 Public Notice

Revised from 9-16-204

Judah Oil P.O. Box 568 Artesia, New Mexico 88211-0558 Phone #505-748-5488

Well Name Oxy T-Bone Fed #1 Location 660 FNL 1980 FWL Section 33 Township 18 South Range 31-E

interested parties must file request for hearing with the Oli Conservation Division at 1220 South St. Francis Dr. Santa Fe New

Mexico 87505 within 15 days of this publication.

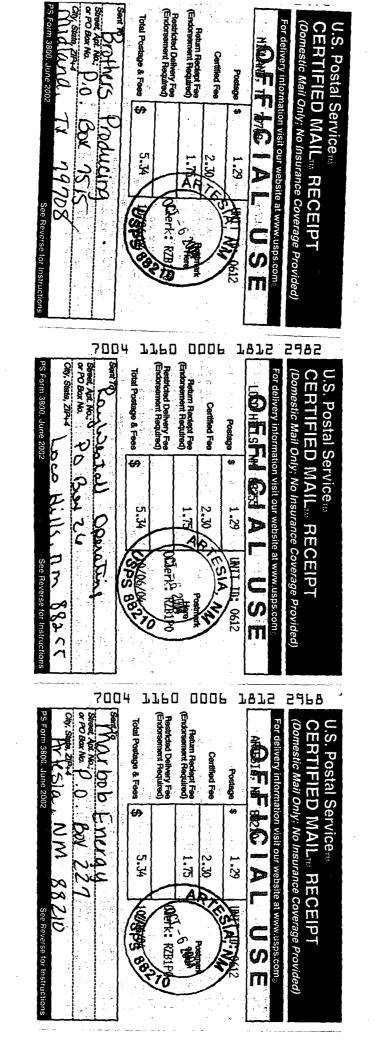
mum pressure of 1500

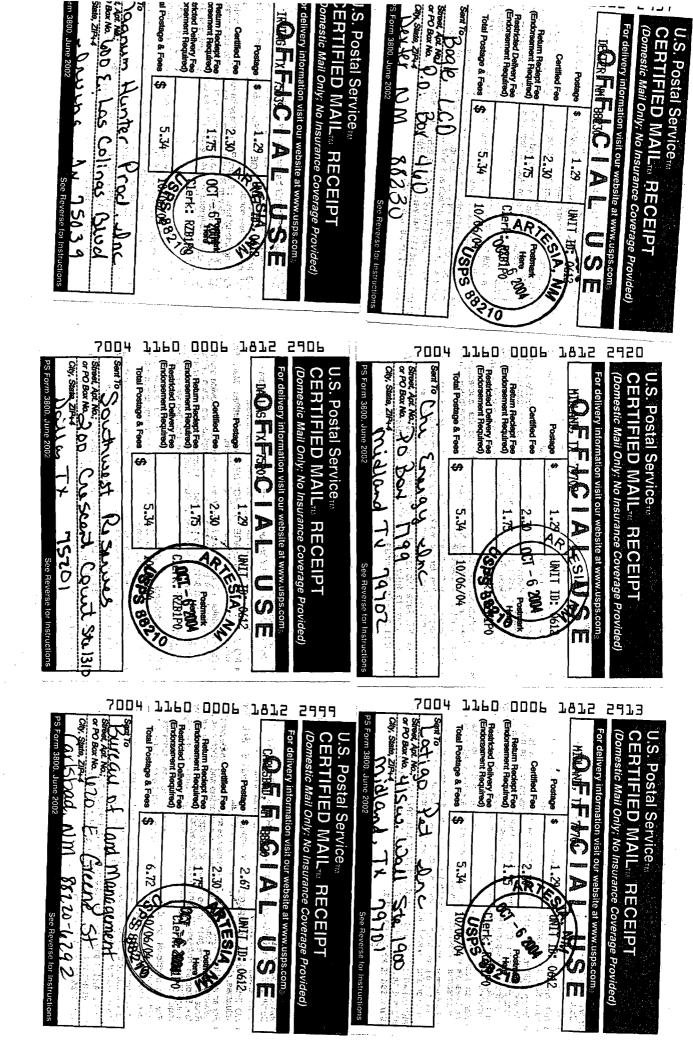
ibs

Eddy Co. New Mexico Hearby notify our intent to

convert above captioned well to a commercial Salt Wafer Disposal Weil. Water will be injected into the Grayburg/San Andres formation. 3980 to 4310 feet below surface.

Expected maximum rate is 5000 bwpd with maxi-





18/22/286	14 02:58 5		2011年1月1日					
		058859264 NI	M. OII C	COS D	V-Dist. 2	2	PA	GE 02/03
		IN	1301 W.	Grand	Avenue			
Form 31	ALS					<b>i</b> .	form approved	
(April 20	04)		D STATES		904 IV	E	PORM APPROVED DM B No. 1004-0137 xpires: March 31, 2007	
			AND MANAGEN			5. Leave Serial 1	-12211	
			AND REPORT				Allottee or Tribe Name	
			3160 - 3 (APD)	for such area				
	SUBMIT IN T	RIPLICATE- (	Other instruction			7. If Unit or C	A/Agrocracht, Name an	Vor No.
1. Typ	e of Well Oil Well		Other	00	1 2 8 2004	1		<u></u>
					ARTERIA	8. Well Name Oxy	rend Na <b>F-Bone Fed</b> F	• 1
	udah Oil					9. API Wall	No.	
34 Ad D	0. <u>801 568</u>	Actoria NM		Phone No. (include) 505-748		30-0	IS-32122 Pool, or Exploratory Arc	
4. Loci	nion of Well (Footage, Sec	. T., R., M., or Survey	Description)		<u> </u>	Wilcrat	Sugart	
66	OFNL, 198	O FWL	_			1). County of		
<u>S</u>	rtion 33,	T185, R3	16			Eddy	New Me	<u>kico</u>
		APPROPRIATE E	BOX(ES) TO INDE	CATE NATURI	2 OF NOTICE, R	EPORT, OR	OTHER DATA	: 
TY	PE OF SUBMISSION			TYP	E OF ACTION			
	latics of Intent			eepen	Production (St	art/Resume)	Water Shut-Off	
	inbsequent Report		· · · · · · · · · · · · · · · · · · ·	acture Treat	Recomplete	ĺ	Other	
	inal Abandonment Notice		we 🛄 ph	ug and Abandon	Temporarily Al			
			Injection (25) Ph	vg Back	Water Disposel			
2 3	Set CIBP Tested Brid Set CIBPO Ran CBL	ge Plug to 9 <b>996</b> 0'	500 lbs - Spatled 33	Held. 5'C <b>cme</b> nt				
7 5	Submittin	g applica	lion for	20' (omercia	al Water I	ge Plug . Disposol	well	
				20' (om+rcia	al Water 1	ye Plug . Disposol	well	
[4, ]]	bereby certify that the fo ame (Printed.Typed)	regoing is true and	correct	i	al Water I	ge Plug . Disposol	'well	
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9/27/2004

# Wellbore Diagram

30-015-32122-00-00

OXY T-BONE FEDERAL No. 001

 Company Name:
 JUDAH OIL

 Location:
 Sec:
 33 T:
 18S R:
 31E
 Spot:
 Stat/Long:

 Lat:
 32.7094386190837
 Long:
 -103.876617627423

pot: String Information

Property Name: OXY T-BONE FEDERAL County Name: Eddy

**Cement Information** 

**Perforation Information** 

#### **Formation Information**

St Code	Formation	Depth
Prust	Rustler	632
Psal	Salado	982
Pbslt	Base of Salt	2032
Pyts	Yates	2236
Psr	Seven Rivers	2686
Psrbs	Bowers Sand	3092
Pqu	Queen	3356
Psa	San Andres	4040
Pdel	Delaware	5045
Pbs	Bone Spring	6342
Pbs3sd	3rd Bone Spring Sand	9414
Pwc	Wolfcamp	9817
PPst	Strawn	10893
Ppat	Atoka	11154
Ppmorl	Morrow Limestone	11554
Ppmorc	Morrow Clastics	11722



**TVD:** 0

**TD:** 0

PBTD: