

February 18, 1985

New Mexico Oil Conservation Commission P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Jalmat Yates Unit, Div. Order # R-5816 Well No's. 1 & 2 Section 12, T-25-S, R-36-E Lea County, New Mexico

Dear Sir:

Attached for your consideration is Maralo's application for administrative approval to inject water for purpose of secondary recovery in the above referenced wells in the Jalmat Yates Unit.

Well number 1 is currently producing 2 BOPD + 83 BWPD and well number 2 is currently producing 4 BOPD + 60 BWPD. It is our proposal that the wells be recompleted from oil wells to water injection wells. The wells will serve the unit more effectively flooding the north end of the unit. The oil swept by this injection that is produced by other producers will more than compensate for the small production lost by converting the wells. Injection will be limited to the top 100' of the Yates which occurs at 2860'. The average injection pressure will be 100 psi with a maximum of 600 psi and injection will be at an average daily rate of 500 barrels of water with a maximum of 1,000 barrels of water per day. The system will be a closed system and the source of water to be injected will be produced from water supply wells located within a mile of the injection wells. The water supply wells are spotted on the attached map in red. A chemical analysis of fresh water from the supply wells is attached.

The Yates zone (the zone of injection) is made up of several series of sand, shale and carbonates and is approximately 300' thick. The overlying sources of underground drinking water can be found at a total depth of 525'.

The zone of injection will be stimulated by acidizing with approximately 3000 gals 15% NE acid.

Jalmat Yates Unit, Well #'s 1 & 2 Page 2

All logs for the wells have been previously submitted to the New Mexico Oil Conservation Commission. If there are any questions or you need any further information, please let me know.

Yours truly,

Brenda Coffman

Agent

BC



March 18, 1985

I, Brenda Coffman, do hereby certify that a copy of our Application For Authorization To Inject for purpose of secondary recovery (Form C-108) has been sent by way of certified mail to the surface owner and each of the Leasehold Operators per the attached list. A copy of the certified receipt is attached.

Jalmat Yates Unit, Division Order # R-5816 Well #'s 1 & 2 Section 12, T-25-S, R-36-E Lea County, New Mexico

Brenda Coffman, Agent

### Р 639 385 270

# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

517	Sent to J. F. Bryant, etal		
* U.S.G.P.O. 1983-403-517	Street and No. Drawer D		
0. 19	P.O., State and ZIP Code Jal, NM		
S.G.P	Postage	<b>\$.</b> 39	
n *	Certified Fee	<b>.</b> 75	
	Special Delivery Fee		
	Restricted Delivery Fee		
	Return Receipt Showing to whom and Date Delivered	.60	
1982	Return receipt showing to whom, Date, and Address of Delivery		
-eb. 1	TOTAL Postage and Fees	\$1.74	
Return receipt showing to whom, Date, and Address of Delivery  TOTAL Postage and Fees  Postmark or Date  Postmark or Date			
PS Fo			

### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

Sent to Doyle Hartman			
Street and No. P.O. Box 10426			
P.O., State and ZIP Code Midland, TX	79701		
Postage	<b>\$</b> .39		
Certified Fee	.75		
Special Delivery Fee			
Restricted Delivery Fee			
Return Receipt Showing to whom and Date Delivered	.60		
Return receipt showing to whom, Date, and Address of Delivery			
TOTAL Postage and Fees	<b>\$</b> 1.74		
TOTAL Postage and Fees \$1.74 Postmark or Date			
Postmark or Date			
	Street and Nop.O. Box 104 P.O., State and ZIP Code Midland, TX Postage Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt Showing to whom and Date Delivered Return receipt showing to whom, Date, and Address of Delivery TOTAL Postage and Fees		

#### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

1517	Sent to Arco Oil & (	Gas Co.		
83-403	Street and Nop.O. Box 1610			
+ U.S.G.P.O. 1983-403-517	P.O., State and ZIP Code Midland, TX	79702		
.S.G.F	Postage	<b>s</b> .39		
*	Certified Fee	<b>.</b> 75		
	Special Delivery Fee			
İ	Restricted Delivery Fee			
	Return Receipt Showing to whom and Date Delivered	.60		
1982	Return receipt showing to whom, Date, and Address of Delivery			
Form 3800, Feb. 1982	TOTAL Postage and Fees	<b>\$</b> 1.74		
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# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

### (See Reverse)

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200	Sent to Conoco, Inc.	
383.40	Street and Np.O. Box 219	97
+ U.S.G.P.O. 1983.403.547	P.O., State and ZIP Code Houston, TX	77252
U.S.G.	Postage	<b>s</b> .39
*		.75
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	.60
Feb. 1982	Return receipt showing to whom, Date, and Address of Delivery	
Feb	TOTAL Postage and Fees	\$1.74
orm 3800,	Postmark or Date	

PS For

# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

	(See Reverse)		
	Sent to Tenneco Oil Ex	cpl. & Pro	7.
Š	Street and No Milam	·pr· a Pro	pa 
U.S. Got Co. G. O.	P.O., State and ZIP Code HOUSTON, TX 7	7001	
U.S.G	Postage	7001 \$.39	
*	Certified Fee	1	
	Special Delivery Fee	.75	
	Restricted Delivery Fee	<del>                                     </del>	
	Return Receipt Showing to whom and Date Delivered	60	
1982	Return receipt showing to whom, Date, and Address of Delivery	.60	
F.	TOTAL Postage and Fees	\$1.74	-
90g F	Postmark or Date		l
PS Form 3800,		1	1
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### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

Sent to	Worldwide E	nergy Co	
Street a	nd No 1700 Lincol	n, S-440	
Sent to Street a P.O., Sta Postage Certified	ate and ZIP Code Denver, CO	80203	
Postage		<b>\$</b> .39	
Certified	1 Fee	.75	
Special	Delivery Fee		
Restrict	ed Delivery Fee		
	Receipt Showing and Date Delivered	.60	
Return re Date, an	eceipt showing to whom, ad Address of Delivery		
Return re Date, and TOTAL I	Postage and Fees	\$ 1.74	
Postmai	k or Date		
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### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

	3-517	Sent to Dalport Oil	Corp.	
	83-40	Street and No 3471 lst Na	t'l Bank	Bld
	+ U.S.G.P.O. 1983-403-517	P.O., State and ZIP Code Dallas, TX	75202	
	J.S.G.1	Postage	<b>s</b> .39	
	*	Certified Fee	.75	
		Special Delivery Fee		
		Restricted Delivery Fee		
		Return Receipt Showing to whom and Date Delivered	.60	
	1982	Return receipt showing to whom, Date, and Address of Delivery		
	PS Form 3800, Feb. 1982	TOTAL Postage and Fees	<b>s</b> 1.74	
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	orm			
	PS F	<i>2</i> *		
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# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

-517	Sent to	Tahoe Oil & (	Cattle Co.
33-403	Street and No. O. Box 3084		
* U.S.G.P.O. 1983-403-517	P.O., State	and ZIP Code Midland, TX	79702
S.G.P	Postage		<b>\$</b> .39
÷	Certified Fee		.75
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	Return Reto whom	.60	
1982	Return re Date, and	ceipt showing to whom, d Address of Delivery	
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300,	Postmar	k or Date	
38			
PS Form 3800,			
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# 639 385 2**61**

# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

#### (See Reverse)

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3.517	Sent to Flag Redfer	n Oil	Co.
83-40	Street and No1200 Wall T	owers.	West
.0.18	P.O., State and ZIP Code Midland, T		702
* U.S.G.P.O. 1983-403-517	Postage	\$ .39	
*	Certified Fee	.75	
	Special Delivery Fee		
	Restricted Delivery Fee		
	Return Receipt Showing to whom and Date Delivered	.60	
1982	Return receipt showing to whom, Date, and Address of Delivery		
Feb.	TOTAL Postage and Fees	\$ 1.7	4
n 3800,	Postmark or Date		

PS Form

#### JALMAT YATES UNIT WELL NO'S 1 & 2 LEA COUNTY, NEW MEXICO

#### SURFACE OWNER

J. F. Bryant, etal Drawer D Jal, New Mexico 88252

### LEASEHOLD OPERATORS WITHIN 1/2 MILE RADIUS

Doyle Hartman
P. O. Box 10426
Midland, Texas 79701

Arco Oil & Gas Company P. O. Box 1610 Midland, Texas 79702

Conoco, Inc. P. O. Box 2197 Houston, Texas 77252

Tenneco Oil Exploration & Production 1010 Milam P.O. Box 2511 Houston, Texas 77001

Worldwide Energy Corp. One United Bank Center 1700 Lincoln, Ste. 4400 Denver, Colorado 80203

Dalport Oil Corporation 3471 First National Bank Building Dallas, Texas 75202

Flag Redfern Oil Company P. O. Box 11050 1200 Wall Towers West Midland, Texas 79702

Tahoe Oil & Cattle Company P. O. Box 3084 4402 W. Industrial Midland, Texas 79702

of the earlier submittal.

# OIL CONSERVATION DIVISION POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 8/501

FORM C-108 Revised 7-1-81

APPLIC	ATION FOR AUTHORIZATION TO INJECT
I.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? X yesno
II.	Operator: Maralo, Inc.
	Address: P. O. Box 832, Midland, Texas 79702 0832
	Contact party: Brenda Coffman Phone: 915 684-7441
111.	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? $\overline{X}$ yes $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $
٧.	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 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 source 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 Agent
	Signature: Branda Comman Date: 3-18-85
* If'th	ne information required under Sections VI, VIII, X, and XI above has been previously itted, it need not be duplicated and resubmitted. Please show the date and circumstance

#### 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

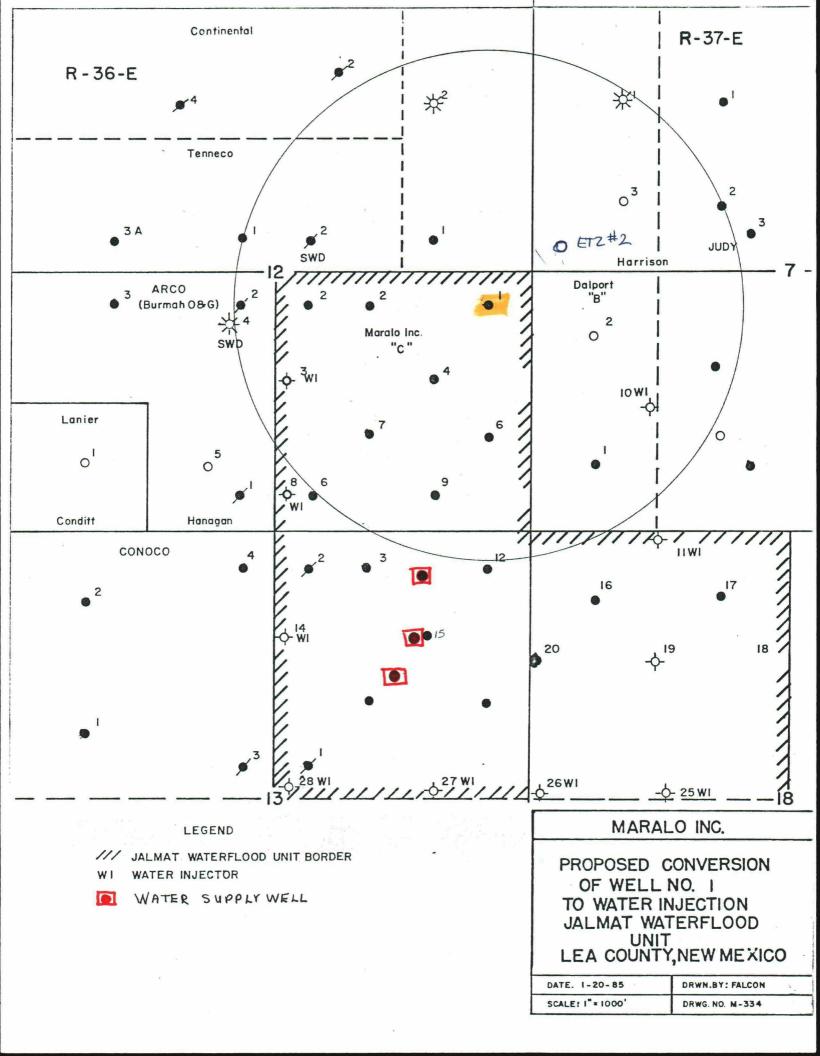
All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

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, P. O. Box 2088, Santa Fe, New Mexico 87501 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.



#### AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.
1,
Robert L. Summers
of the Hobbs Daily News-Sun, a daily 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 in a supplement thereof for a period
of
One weeks.
Beginning with the issue dated
November 5 , 19 84
and ending with the issue dated
November 5 , 19 84
Files F. Summer Publisher.
Sworn and subscribed to before
me this day of
January, 1985 Vera Murchy
Visa Murchy Notary Public.
My Commission expires
1100. 14 , 1988
•

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.

LEGAL NOTICE
November 5, 1984
NOTICE OF APPLICATION
FOR APPROVAL TO INJECT
WATER FOR PURPOSE OF
SECONDARY RECOVERY,
Maralo, Inc. of P.O. Box 832,
Midland, Texas 79702, Telephone #915 4845 441-15 application Marato, Inc. of P.O. Box 832.
Midland, Texts 79702, Telephone #915 6849 441; is applying to the Oil Conservation Commission for a permit to inject water into the Jaimst Yates Unit Well # one (1), for the purpose of secondary recovery. The well is located in the NE/4 of the SE/4, of Section 12, T-25-S, R-36-E, Lea County, New Mexico, and is 330° FNL and 1650° FEL of the section. Injection will occur at a depth of from 2917 to 3010 in the Yates formation; with a maximum injection rate of 500 B/day and a pressure of 1000 psi.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

within 15 days.

MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

#### WATER CONSULTANTS SINCE 1953 BACTERIAL AND CHEMICAL ANALYSES

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

November 11, 1980

Mr. R. A. Lowery Maralo, Inc. P.O. Box 832 Midland, TX 79702

Subject: Recommendations relative to analysis #118064 (11-11-80) - Jalmat

Yates Unit.

Dear Mr. Lowery:

The objective of this analytical study is to evaluate the compatibility potential between the three waters represented. The factors of concern in this regard are as follows:

- 1. We have encountered a comparatively high pH level in the Jalmat Yates which we question is representative of the natural water. We also suspect the Tenneco water has an artificially high pH. This can frequently occur as a result of the loss of carbon dioxide during sampling. The concern here is the potential calcium carbonate scaling tendency of the waters (especially the Jalmat Yates) and consequently the combinations. However, this is not an incompatibility in that a combination of waters would likely have less tendency to scale than the individual water samples herein represented.
- 2. In our efforts to compare the results to identify any potential incompatibility, we do not see any in these waters. However, this needs to be qualified in that if there is any oxygen in the supply water (which we could not test for on this sample), it will create an incompatibility in the form of oxidation of sulfide in the produced waters which would cause the precipitation of elemental sulfur and greatly accelerate corrosiveness.

In summary of the above, we find the primary concern to be in regard to oxygen in the supply water. If the oxygen is absent or can be chemically eliminated, then we consider the waters clearly compatible.

Very truly yours,

Waylan C. Martin

WOM/me Oxygen is being controlled by a gas blanker.
Burda Coffman
12-13-82

#### P. O. BOX 1468 MONAHANS, TEXAS 79786 PHONE 943-3234 OR \$63-1040

# RESULT OF WATER ANALYSES

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4821

	LA	BORATORY NO	118064	(corrected co
ro: Mr. R. A. Lowery		MPLE RECEIVED	11 10 00	)
P.O. Box 832, Midland, Texas		SULTS REPORTED		)
COMPANY Maralo, Inc.	LEASE _	Jalmat Yat	es Unit	
FIELD OR POOL		· · · · · · · · · · · · · · · · · · ·		·
ECTION BLOCK SURVEY	COUNTY	<u>Lea</u> st	NewNew	Mexico
OURCE OF SAMPLE AND DATE TAKEN:				
NO. 1 Composite supply water - t	aken from wate	r_well_supply	#1 & #2.	
NO. 2 Produced water - taken fro				
NO. 3 Produced water - taken from			£ #4	
NO. 4 Produced water - taken from				
	III Apporto ott	Company S BIO	WΠ #3-A.	
REMARKS:				
CHEMICAL	AND PHYSICAL P		<del></del>	
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0020	1.0208	1.0078	1.0057
pH When Sampled pH When Received				
	7.54	8.08	7.50	7.51
Bicarbonate as HC03	378	878	1,305	1,903
Supersaturation as CaCO3 Undersaturation as CaCO3	14	125	420	250
Total Hardness as CaCO3		7 050		
Calcium as Ca	268	7,850	2,975	1,680
Magnesium as Mg	40	260	780	336
Sodium and/or Potassium	41	1,750	249	204
Sulfate as SO4	189	6,614	1,315	1,678
Chloride as Cl	248	2,967	1,691	252
Iron as Fe	78	12,996	2,131	2,486
Barium as Ba	0.89	2.8	0.30	0.04
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	974	25,525	7.471	6.859
Temperature °F.			1.411	
Carbon Dioxide, Calculated			i	
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0	35.0	375	850
Resistivity, ohms/m at 77° F.	8.20	0.290	0.750	0.810
Suspended Oil				
Filtrable Solids as mg/i			I	
Volume Filtered, m'		!		
Carbonate, as CO <sub>2</sub>	- 0	60	0	0
3				
Results	Reported As Milligrams	Per Liter		
Additional Determinations And Remarks Letter	of recommendat	tion attached	•	
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Form No. 3

		LEASE		
ARALO, INC.		JALMAT YATES UNIT		
	TAGE LUCATION  NL & 1650' FEL	SECTION	TOWNSHIP	RANGL
330 11	NJ & 1050 11III	12	25-S	36-E
Schematic		T a T	bular Data	•
$A \overline{)}$		Surface Casing •		
<b>4</b>		Size 10 3/4 **	Camanta 1	250
2	10 3/4" @	Toc Surface	feet determined by	observation
	600' w/	Hole size 12"		
	300 sx. circ	Intermediate Casing		
		Size	Cemented with	ıs
		TOC		
		Hole size		
		•		
		Long string		250
		Size 5 1/2 "		
		TOC	fect determined by	
·		Hole size 7"		
		Total depth 3064'		
		Injection interval		
		_	3010	fact - Open ho
	. •	(perforated or open-ho)	le, indicate which)	_ reet open in
(	2885 w/350sx.			
\{ -		•		
\{ \frac{-}{}				
}	T. D. 3064'		<u>.</u>	
			· ·	
			-	
ubing size	T. D. 3064'	d with <u>fiber</u>	glass	set in a
	T. D. 3064'	d with fiber (mater		
	T. D. 3064'	d withfiber (mater packer at		
Baker AD - (brand and	T. D. 3064'	packer at		
Baker AD - (brand and	7. D. 3064'  2 3/8" line  1 nickel plated d model)	packer at		
Baker AD - (brand and or describe any o ther Data . Name of the in	T. D. 3064'  2 3/8" line  1 nickel plated d model; other casing-tubin	packer at	2800	
Baker AD - (brand and or describe any o ther Data . Name of the in	T. D. 3064'  2 3/8" line  1 nickel plated d model; other casing-tubin	packer at	2800	
Baker AD - (brand and or describe any of ther Data . Name of the in . Name of Field	T. D. 3064'  2 3/8" line  1 nickel plated d model; other casing-tubin njection formation or Pool (if appli	packer at garden seal).  Yates  Cable) Jalmat	2800	
Baker AD - (brand and or describe any of ther Data Name of the in Name of Field Is this a new	T. D. 3064'  2 3/8" line  1 nickel plated d model; other casing-tubin  njection formation or Pool (if appli	packer at  g seal).  Yates  cable) Jalmat	2800 Yates Unit	
Baker AD - (brand and or describe any of ther Data  Name of the in Name of Field Is this a new If no, for who	T. D. 3064'  2 3/8" line  1 nickel plated d model; other casing-tubin or Pool (if appli well drilled for at purpose was the	yates  cable) Jalmat  injection? /7 Yes	2800  Yates Unit  Yates Unit  Oil  List all such per	feet
Baker AD - (brand and or describe any of ther Data  Name of the in Name of Field Is this a new If no, for who	T. D. 3064'  2 3/8" line  1 nickel plated d model) other casing-tubin or Pool (if appli well drilled for at purpose was the ever been perforat ging detail (sacks	yates  cable) Jalmat  injection? /// Yes // well originally drilled?  ed in any other zone(s)? of cement or bridge pluce	Yates Unit  Yates Unit  One oil  List all such per g(s) used)no	forsted interva
Baker AD - (brand and or describe any of ther Data  Name of the in Name of Field Is this a new If no, for who Has the well and give plug	T. D. 3064'  2 3/8" line  1 nickel plated d model) other casing-tubin or Pool (if appli well drilled for at purpose was the ever been perforat ging detail (sacks	yates  cable)  Jalmat  injection? /// Yes  well originally drilled?  ed in any other zone(s)?  of cement or bridge pluc	Yates Unit  Yates Unit  One oil  List all such per g(s) used)no	forsted interva

DEATED, NO. TOUTAGE LUCATION SCETTON TOWNSHIP FAMORE  2310' PRE 6 230' FET. 12 25-S 36-E    Scheentie	OPERATOR		LEASE		<del></del>
2310' FNL s 330' FET.    12	MARALO, INC.	OUTAGE LASSATION			
Sthematic    Surface Casing   Size   10 3/4   Cenented with   300   100   Surface   feet determined by observation   10 3/4"   Hole size   12"		· \-			
Surface Casing  Size 10.3/4 " Cemented with 300  10.3/4"   Surface   Feet determined by observation    10.3/4"   Size 12"   Internadiate Casing    Size   Total depth   3500    Injection interval   2808   Feet determined by Tomo, Survey    Hole size   7   Cemented with 350    100   2808   Feet determined by Tomo, Survey    Hole size   9"    Total depth   3500'    Injection interval   2917   feet to 3010   feet open    The foot determined by Tomo, Survey    Hole size   9"   Total depth   3500'    Injection interval   2917   feet to 3010   feet open    The foot depth   3500'    Injection interval   2917   feet to 3010   feet open    The foot depth   3500'   feet open    Th		, IMI & JJO THE		23 5	
Size   10 3/4   Commented with   300	Schemati 1	ic ID		<u> Tabular Data</u>	
10 3/4" 10 3/4" 100 w/ 300 sx. circ.    Intermediate Cosion   Size	<b>1</b>		Surface Casing	•	
## ## ## ## ## ## ## ## ## ## ## ## ##	31		Size 10 3/4	" Cemented w	ith <u>300</u> s
Solution	2	10.3/4"	TOC Surface	feet determined	by <u>observation</u>
Size		600' w/	•	12"	
TOC		300 sx. ci:	rc. <u>Intermediate Casin</u>	<u>n</u>	
Hole size  Long string  Size 7 " Comented with 350  100 2808 feet determined by Temp. Survey  Hole size 9"  Total depth 3500'  Injection interval  2917 feet to 3010 feet open  (perforated or open-hole, indicate which)  T. D. 3500'  T. D. 3			Size	" Cemented w	ith
Long string   Size			TOC	fect determined	by
Long string   Size			Hole size		
Size				•	
Hols size 9"  Total depth				" Cemented w	<b>ith</b> 350
Hole size 9"  Total depth 3500'  Injection interval  2917					
Total depth					
Injection interval  2917					•
2917   feet to 3010   feet open					
20 & 23# 7" @ 2853' w/ 350 sx.  T. D. 3500'			_	at to 3010	s open h
20 & 23# 7" @ 2853' w/ 350 sx.  T. D. 3500'  The state of the injection packer at the state of the injection formation to the injection for what purpose was the well originally drilled?  The state well ever been perforated in any other zone(s)? that all such perforated intervent give plugging detail (sacks of cement or bridge plug(s) used) no first the depth to and name of any overlying and/or underlying oil or gas zones (pools) in the injection formation to the injec		1.	(perforated or oper	n-hole, indicate whi	ch)
Baker AD - 1 nickel plated packer at 2800 feet (brand and model) or describe any other casing-tubing seal).  Cher Data  Name of the injection formation Yates  Name of Field or Pool (if applicable) Jalmat Yates Unit  Is this a new well drilled for injection? /7 Yes /x/ No  If no, for what purpose was the well originally drilled? oil  Has the well ever been perforated in any other zone(s)? List all such perforated intervand give plugging detail (sacks of cement or bridge plug(s) used) no  Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) is		T. D. 3500	<b>,</b>		
Baker AD - 1 nickel plated packer at 2800 feet (brand and model) or describe any other casing-tubing seal).  Ther Data  Name of the injection formation Yates  Name of Field or Pool (if applicable) Jalmat Yates Unit  Is this a new well drilled for injection? / Yes / X No  If no, for what purpose was the well originally drilled? oil  Has the well ever been perforated in any other zone(s)? List all such perforated intervand give plugging detail (sacks of cement or bridge plug(s) used) no  Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) is					
Name of the injection formation	bing size	2 3/8" lin	ed withf	iber glass material)	set in a
Name of the injection formation	Baker AD	- 1 nickel plated	packe	er at	feet
Name of the injection formation					
Name of the injection formation Yates  Name of Field or Pool (if applicable) Jalmat Yates Unit  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled? oil  Has the well ever been perforated in any other zone(s)? List all such perforated intervand give plugging detail (sacks of cement or bridge plug(s) used) NO  Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) is		•			
Name of Field or Pool (if applicable)		e injection formatio	n Yates		
Is this a new well drilled for injection? // Yes /x/ No  If no, for what purpose was the well originally drilled?				almat Yates Unit	
If no, for what purpose was the well originally drilled?Oil  Has the well ever been perforated in any other zone(s)? List all such perforated intervand give plugging detail (sacks of cement or bridge plug(s) used)O  Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) is					-
and give plugging detail (sacks of cement or bridge plug(s) used) <u>NO</u> Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) i					
. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) i this area. Seven Rivers (now depleted)	Has the wel	l ever bern perfora lugging detail (sack	ited in any other zone is of cement or bridge	(s)? List all such plug(s) used) <u>no</u>	perforated interv
this area. Seven Rivers (now depleted)				underlaise eil e-	n rouge (control in
	. Give the do this area.	epth to and name of Seven Rivers	s (now depleted)	onderiving oil or da	a zones (poois) 11
	<del></del>				

### INJECTION WILL DATA SHEET

OPER	ATUR	LEASE		
World	dwide Energy Corp.	E.J.Wells		
	NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
#1	2310'FNL & 990'FEL	12	25-S	36-Е
Unit	Letter"H" Schematic	· Tr	abular Data	
		Surface Casing		
Date	Completed 4/25/52			
Date	Completed 4/25/52		Cemented with	
T & A	A Status	TOC NA	feet determined by	NA
		Hole size <u>NA</u>		
		Intermediate Casing		
		Size <u>5 1/2</u> "	Cemented with	n <b>350</b> sx.
			feet determined by	
		Hole size NA		
	•			
		Long string		
		Size	Cemented with	sx.
		TOC	feet determined by	<del> </del>
		Hole size		
		Total depth 3059		
		Inication interval		
		Injection interval		
		2950 feet t (perforated or open-ho	le, indicate which)	_ feet
	·			
		•		
	•			
			•	
٠			•	
* 11.	ng size <u>NA</u> line	duith NA		cet in a
lubin	ig size <u>na</u> line	(mate	rial)	dec in a
	NA (brand and model)	packer a	t <u>NA</u>	feet
(or d	describe any other casing-tubin	g seal).		
	Data	-	•	
	<del></del>			
	lame of the injection formation			
-	lame of Field or Pool (if appli			
	s this a new well drilled for		<u>∕</u> X∕ No	
,	f no, for what purpose was the	well originally drilled	? <u>0i1</u>	
4. H	las the well ever been perforatend give plugging detail (sacks	ed in any other zone(s)? of cement or bridge plu	List all such per g(s) used) <b>No</b>	forated intervals
	Give the depth to and name of a	ny overlying and/or unde	rlyimy oil or gas z	ones (pools) in
_				

# INJECTION WILL DATA SHEET

OPERATOR		LEASE			
Tenneco Oil	Co.	E.J.Wells			
WELL NO. #1	COUTAGE LOCATION  2310'FNL &2310'FWL	SECTION 12		TOWNSHIP	RANGE <b>36-E</b>
Unit letter		12		25-S,	30-E
<del></del>	ematic		Tabula	r Data	·
		Surface Casing	•		
Date comple	sted 7/5/52	Size 12 1/2	"	Cemented wit	<sub>ch</sub> 200 <sub>sx.</sub>
-	84,still active.	TOC surfaces			circulation
		Hole size		determined by	circulation
		·			
		Intermediate Casi	<del></del>		
		Size 9 5/8			
		TOC surface	feet	determined by	circulation
	·	Hole size			
		Long string		,	
		Size <u>5 1/2</u>		Cemented wit	h 100 sx
		TOC			
		Hole size7			<del></del>
			3346		
		<del></del>			
		Injection interva			
		(perforated or ope	eet to <u> </u>	051 indicate which	· feet
Tubino size	lined	ł with			set in a
Tubing Size	lined		(material)		
(br	and and model)	pacl	ker at		feet
	e any other casing-tubing				
Other Data					
1. Name of	the injection formation				
2. Name of	Field or Pool (if applic	eable) <u>Jalmat</u>		· · · · · · · · · · · · · · · · · · ·	
3. Is this	a new well drilled for i	injection? <u>/</u> // Yes	s <u>*</u> 7	No	
If no,	for what purpose was the			011	
4. Has the	well ever been perforate e plugging delail (sacks	ed in any other zand of cement or bridge	c(s)? Lis	et all such per used) <u>No.</u>	rforated interval
	e depth to and name of ar				zones (pools) in
this ar	ea.				

	dil Corp	O.C.Winters "B"		
LL NO.	footage Location	SECTION SECTION	TOWNSHIP	RANGE
#2	1650'FSL & 1939'FWL	7	25-S	36-E
<u>Sch</u>	ematic	Ta	bular Data	
ate Comp	leted: 6/20/55	Surface Casing		
-	to Inj.well 2/24/71.	\$ize <u>8 5/8</u> "	Cemented with	200 sx.
		TOC <u>Surface</u>	feet determined by	Circulated
	ds & tubing, ran sand	Hole size 11"	·	
oump.Clea	ned out to 3368'w/sand	Intermediate Casing		
an 103 j	ts. 2 3/8"EUE cmt.lined	Size "	Comented with	
	5 1/2"Baker Model"AD" acker.Set packer at			
	,000#tension.	700		
	hibited fresh wtr.in	Hole size		
esg. annu	itus.	Long string		
		Size <u>5 1/2</u> "	Cemented with	, 20 <b>0</b>
		TOC		
•		Hole size 7 7/8"		
				•
		Total depth 3358		
		Injection interval		
		3298 feet to perforated or open-ho.	3358	feet
		Production Perfs. (Qu		
		•		
		-		
	•		•	
			·	
	2 3/8	1 with		cat in a
ıbing size	e <u>2 3/8</u> lineo	(mate	rial)	set in a
Baker Mo	odel "AD" tension	(mate	cial) 202	set in a feet
Baker Mo		(mater	•	<del></del>
Baker Mo (bi	odel "AD" tension rand and model)	(mater	•	<del></del>
Baker Mo (b) or descrit	odel "AD" tension rand and model) be any other casing-tubing	(mater packer at g seal).	•	<del></del>
Baker Mo (br or describ ther Data	odel "AD" tension rand and model) be any other casing-tubing f the injection formation	(mate	•	<del></del>
Baker Mo (b) or descrit ther Data . Name of	odel "AD" tension rand and model) be any other casing-tubing f the injection formation f Field or Pool (if applic	(mater af packer	3202	<del></del>
Baker Mo (b) or descrit ther Data Name of Name of	odel "AD" tension rand and model) be any other casing-tubing  f the injection formation  f Field or Pool (if applie s a new well drilled for	(mater and packer and	3202 (x/ No	<del></del>
Baker Mo (b) or descrit ther Data Name of	odel "AD" tension rand and model) be any other casing-tubing f the injection formation f Field or Pool (if applic	(mater and packer and	3202 (x/ No	<del></del>
Baker Mo (b) or descrit ther Data Name of Name of	odel "AD" tension rand and model) be any other casing-tubing  f the injection formation  f Field or Pool (if applie s a new well drilled for	(mater and packer and	3202 (x/ No	<del></del>
Baker Mo (b) or describe ther Data Name of Name of Is this	odel "AD" tension rand and model) be any other casing-tubing f the injection formation f Field or Pool (if applie s a new well drilled for for what purpose was the	(mater packer at packer at seable) Jalmat injection? / Yes well originally drilled ed in any other zone(s)?	x/ No 2 Oil tist all such per	feet
Baker Mo (b) or describe ther Data Name of Name of Is this If no, Has the and give	odel "AD" tension rand and model) be any other casing-tubing f the injection formation f Field or Pool (if applie s a new well drilled for for what purpose was the e well ever been perforate ve plugging detail (sacks	(mater packer at g seal).  cable) Jalmat  injection? / Yes well originally drilled  ed in any other zone(s)? of cement or bridge plug	X No P Oil tist all such per interpretations	feet  forated intervals tervals; (2925-29)
Baker Mo (b) or describe ther Data Name of Name of Is this If no,	odel "AD" tension rand and model) be any other casing-tubing f the injection formation f Field or Pool (if applie s a new well drilled for for what purpose was the	(mater packer at g seal).  cable) Jalmat  injection? / Yes well originally drilled  ed in any other zone(s)? of cement or bridge plug	X No P Oil tist all such per interpretations	feet  forated intervals tervals; (2925-29)
Baker Mo (b) r descrit her Data Name of Is this If no, Has the and give	odel "AD" tension rand and model) be any other casing-tubing f the injection formation f Field or Pool (if applie s a new well drilled for for what purpose was the e well ever been perforate ve plugging detail (sacks is) (2968-2978) (2987-2998)	(mater packer at	3202  (x/ No  2 Oil  List all such per 10(s) used) Perf integral Perf 10(s)  -3058) (3115-3126)  med to TD, then pu	feet  forated intervals tervals; (2925-29) (Ran Baker retric
Baker Mo (b) r descrit her Data Name of Is this If no, Has the and give	odel "AD" tension rand and model) be any other casing-tubing  f the injection formation f Field or Pool (if applic s a new well drilled for for what purpose was the  e well ever been perforate ve plugging detail (sacks  i8) (2968-2978) (2987-2998  ug on tubing to 3170' to  broduction.	(mater packer at	3202  (x/ No  2 Oil  List all such per 10(s) used) Perf integral Perf 10(s)  -3058) (3115-3126)  med to TD, then pu	feet  forated intervals tervals; (2925-29; (Ran Baker retriculation)

# INJECTION WILL DATA SHLET

OPE	RATOR		LEASE				
Dalr	ort (Humble	e)	Clydia	C. Winters, eta	1."B		
		FOOTAGE LOCATION		TION	TOWNSHIP	RANGE	
····	19 19 19 19 19 19 19 19 19 19 19 19 19 1	980'FSL&660'FWL	7		25-S	3 7-E	
UIII	Schemat:			Tabul	ar Data		
			Surface Ca	<del></del>			
				<del></del>	Committee	150	
	Completed				Cemented with		SX.
Stat	us: Active				t determined by	Circulated	
			noie size	11"			
			Intermedia	te Casing			
			Size	ti	Cemented with		_sx.
			TOC	fee	t determined by		
			Hole size				
			Long strin	g			
•			Size 5 1	- /2 "	Cemented with	900	sx.
					t determined by		
				7 7/8	_		
		·		3034			
•			·				
			Injection				
			2950 (perforate		3034 indicate which)	. feet	
				-			
							•
				,	·		
					•		
Tub	ing size	NA	lined with	MA (material	)	set in a	1
		NA and model)		packer at	NA .	feet	
(or		and model) ny other casing-					
	er Data	., comer cocing					
		injection form	ation				
1.			applicable)				
2.				•	No.		_
3.			for injection?			سياه مماري	
	•	-	s the well origin	ally orilled: _C	oli,ke-classed t	o Gas, then	
4.	Has the wel	to 0il 3/1/74 Il ever been per lugging detail (	forated in any ot sacks of cement o	her zone(s)? Li r bridge plug(s)	st all such perf used) NO	orated interv	als
5.			of any overlying		my oil or gas zo	nes (pools) i	n

	OPERATOR	LEASE		***************************************
## 660'FSL & 660'FWI 7 25-S 37-E  Unit terter'HT  Schemic	( Dalport ) Humble Oil Co.	Clydia C. Winters		
Schematie   Surface Casing		SECTION		
Schematic  Surface Chains Size 8.5/8 " Cemented with 150 nm.  TOC Surface feet determined by Circulated Hole size 11  Intermediate Canting Size " Cemented with nm.  Size " Cemented with nm.  Feet determined by Hole size Long string Size 51/2 " Comented with 800 nm.  TOC NA Feet determined by NA  Hole size 10 NA Feet determined by NA  Hole size 7.7/8  Total depth 3054  Injection interval 2832 Feet to 3056 Feet (particulated or open-hole, indicate which)  Feet (particulated or open-hole, indicate which)  Tubing size NA Ined with NA Feet (natural) Feet (particulated or open-hole, indicate which)  Tubing size NA Ined with NA Feet (particulated or open-hole, indicate which)  NA packer at NA Feet (natural) Feet (natural)  NA packer at NA NA packe		7	25-S 	37-E
Surface Casing  Size 8 5/8 " Comented with 150 ox. 100 Surface Feet determined by Circulated Holo size 11    Intermediate Casing   Size " Cemented with			•	•
Size   8.5/8	Schematte		lar Data	
Tubing size NA lined with				
Hole size		Size <u>8 5/8</u> "	Cemented with	<u>150</u> sx.
Intermediate Casing  Size	•	TOC Surface fee	et determined by	Circulated
Size		Hole size 11	<del></del>	
Tubing size	·	Intermediate Casing		
Tubing size		Size	Cemented with	sx
Hole size   Long string   Size   5 1/2     Cemented with   800   ox				
Long string   Size   5 1/2   Comented with   800   9x				
Size 5 1/2 " Comented with 800 ox  10C NA feet determined by NA  Hole size 7 7/8  Total depth 3054  Injection interval  2882 feet to 3054 feet (perforated or open-hole, indicate which)  NA packer at NA feet  (brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable) Jalmat  3. Is this a new well drilled for injection?  Yes No  If no, for what purpose was the well originally drilled?  Oth  A. Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement or bridge plug(s) used) No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in		•		
Tubing size NA lined with NA set in a (material) (brand and model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable) Jalmat  3. I this a new well drilled for injection? Tes XY No If no, for what purpose was the well originally drilled? Other and give plunging detail (sacks of cement or bridge plung(s) used) No (pools) in Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in Sive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in Sive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in				800
Hole size 77/8  Total depth 3054  Injection interval  2882   feet to 3054   feet  (perforated or apen-hole, indicate which)    NA		•		<del></del>
Tubing size NA lined with NA set in a (material) packer at NA feet (brand and model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation 2. Name of field or Pool (if applicable) Jalmat 3. Is this a new well drilled for injection? The NA set in a for what purpose was the well originally drilled? Oth  A. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No  S. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in				N <b>A</b>
Injection interval  2882	·	Hole size 7 7/8	3	
Tubing size NA lined with NA set in a set in a (material)  NA packer at NA feet (brand and model)  Other Data  1. Name of the injection formation  2. Name of field or Pool (if applicable) Jalmat  3. Is this a new well drilled for injection? Yes No If no, for what purpose was the well originally drilled? Otl  4. Has the well ever been perforated in any other zone(a)? List all such perforated intervals and give plugging detail (sucks of cement or bridge plug(s) used) No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in		Total depth 3054		
Tubing size NA lined with NA (material)  NA packer at NA feet  (brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of field or Pool (if applicable) Jalmat  3. Is this a new well drilled for injection? / Yes No  If no, for what purpose was the well originally drilled? Otl  4. Has the well ever been perforated in any other zone(a)? List all such perforated intervals and give plugging detail (sacks of eement or bridge plug(a) used) No  5. Give the depth to and name of any overlying and/or underlyim oil or gas zones (pools) in		Injection interval		
Tubing size NA lined with NA set in a (material)  NA packer at NA feet  (brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of field or Pool (if applicable) Jalmat  3. Is this a new woll drilled for injection?  Yes No  If no, for what purpose was the well originally drilled? Otl  4. Has the well ever been perforated in any other zone(a)? List all such perforated intervals and give plugging detail (sacks of exment or bridge plug(a) used) No  5. Give the depth to and name of any overlying and/or underlyim oil or gas zones (pools) in	•	2882feet to	3054	feet
Tubing size NA lined with NA set in a (material)  NA packer at NA feet  (brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of field or Pool (if applicable) Jalmat  3. Is this a new well drilled for injection? Tyes No  If no, for what purpose was the well originally drilled? Oil  4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in		(perforated or open-hole,	indicate which)	<b></b>
(brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)				
(brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)				
(brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)	•		·	
(brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)				
(brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)				
(brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)				
(brand and model)  (or describe any other easing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)				
(brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)	`			
(brand and model)  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)	Tubing size <u>NA</u> li	ined withNA		set in a
(or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if applicable)				feet
1. Name of the injection formation  2. Name of field or Pool (if applicable)	(brand and model)			
<ol> <li>Name of the injection formation</li> <li>Name of Field or Pool (if applicable) Jalmat</li> <li>Is this a new well drilled for injection? / Yes XX No         If no, for what purpose was the well originally drilled? Oil     </li> <li>Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No</li> <li>Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in</li> </ol>	(or describe any other casing-tub	oing seal).		·
2. Name of Field or Pool (if applicable) Jalmat  3. Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled? Oil  4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No  5. Give the depth to and name of any overlying and/or underlyimg oil or gas zones (pools) in				
3. Is this a new well drilled for injection? /7 Yes XX No  If no, for what purpose was the well originally drilled? Oil  4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in	1. Name of the injection format:	ion		
If no, for what purpose was the well originally drilled? Oil  4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No  5. Give the depth to and name of any overlying and/or underlyimg oil or gas zones (pools) in	2. Name of Field or Pool (if app	plicable) Jalmat		
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No  5. Give the depth to and name of any overlying and/or underlyimg oil or gas zones (pools) in	3. Is this a new well drilled for	or injection? /7 Yes XX	No	
and give plugging detail (sacks of cement or bridge plug(s) used) No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in	If no, for what purpose was	the well originally drilled? _	011	
·	4. Has the well ever been perfor and give plugging detail (sa	rated in nny other zone(s)? L cks of cement or bridge plug(s	ist all such per ) used) No	forated intervals
· ·				
	·	f any overlying and/or underly	ima oil or gas zo	ones (paals) in

# INJECTION WELL DATA SHEET

OPERATOR	LEASE		
John H. Hill	Judy		
John H. Hill WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
#2 1980'FNL & 1980'FWL	7	25-S	37-Е
Unit letter "F"			
Schematic		Tabular Data	
	Surface Casing	·	
	Size <u>8 5/8</u>	Cemented with	175 sx.
Date completed; 9/13/74 Re-completed 10/12/79	TOC	feet determined by	
•	Hole size 11'	1	
P&A 4/18/83.	•		
Plugging	Intermediate Casing		
	Size	Cemented with	S X .
Pulled 135 - 3/4"sockerrods &	TOC	feet determined by	
105 joints 2 1/16" tubing. RU  Dowell to the 2 7/8" tbg. 4 1/2"	Hole size		
& pumped 140 sx. Class-C-cement.			
RU Apache service, ran tubing cutter & made cut @1200'. Pulled	Long string		
40,000# on 2 7.8" tbgwould		Cemented with	
not pull, cement above cut @1200'.	TOC	feet determined by	
RU Dowell to 2 7/8" tbg.,pumped 50 sx. Class"C".RU to 8 5/8"csg.	Hole size	7 7/8	
& pumped 25 sxC".Well filled	Total depth 3520	)	
w/cement.	Injection interval		
	_		
	(perforated or open-	t to <u>3469</u> -hole, indicate which)	_ feet
	( porduction Yates		
			•
		·	
	,		
·			
	•		
		•	
Tubing size <u>NA</u> lined	with NA	A terial)	set in a
NA NA	packer	at <u>Na</u>	feet
(brand and model) (or describe any other casing-tubing	easl)		
	304174		
Other Data			
1. Name of the injection formation			
2. Name of Field or Pool (if applic	able) Jalmat		
3. Is this a new well drilled for i	njection? / Yes	XX No	
If no, for what purpose was the			
4. Has the well ever been perforate and give plugging detail (sacks	d in any other zone(s of cement or bridge p	s)? List all such per	forated intervals perf (3075-3469)
No indecation to how this zone	was plugged.		
5. Give the depth to and name of an this area.	y overlying and/or un	oderlyimų oil or gas z	ones (pools) in

### INJECTION WELL DATA SHELT

g we 200*		LEASC			
loyle .Hartina	n FOOTAGE LOCATION	Etz SECTION		TOWNSHIP	RANGE
	2310'FNL & 430'FWL			25 <del>-</del> S	37-E
<u> </u>	2310 FRL & 430 FWL		<del></del>		37-E
Schema	tic		Tabula	r Data	
•		Surface Casing			
ite Completed	1 10/18/78	Size 8 5/8	**	Cemented with	250
		TOC <u>Surface</u>	feet	determined by	
Active Oi	[1	Hole size	12 1/4		
		Intermediate Casir	ıa		
		Size	<del></del> -	Cemented with	
		тос			
		Hole size			
	<u>.</u>	11016 3126		<del></del>	
		Long string			
		Size <u>5 1/2</u>			
		TOC			
		Hole size			
		Total depth 3	560		
		Injection interval			
		2874 fe	et to	3233	feet
				indicate which)	
		( Yates-Seven Ri	vers )		
•	•	-			
	·				
	·				
	·				
	·				
	·		·	•	
ubing size _	lin	ed with	material		set in a
ubing size _	lin	,	material er at	)	
(branc	d and model)	pack		•	
(brance)		pack		)	
(brand or describe a Other Data	d and model) any other casing-tubi	ng seal).	er at		feet
(brand or describe a ther Data . Name of th	d and model) any other casing-tubi he injection formatio	ng seal).	er at		feet
(brand or describe a ther Data . Name of the	d and model) any other casing-tubi he injection formatio ield or Pool (if appl	pack ng seal). n icable) Jalmat	er at		feet
(brand or describe a Other Data 1. Name of th 2. Name of F	d and model) any other casing-tubi he injection formatio ield or Pool (if appl	pack ng seal).  in icable)Jalmat injection? /7 Yes	er at	)	feet
(brand (or describe a Other Data 1. Name of the 2. Name of F. 3. Is this a If no, for	d and model) any other casing-tubi he injection formatio ield or Pool (if appl	pack ng seal). n icable) Jalmat	er at	)	feet
(brand) (or describe a Other Data  1. Name of the C. Name of F. 3. Is this a If no, for	d and model) any other casing-tubi he injection formatio ield or Pool (if appl new well drilled for r what purpose was th	pack ng seal).  in icable) Jalmat injection? // Yes ne well originally dri	er at	No 011	feet
(brand) (or describe a  Other Data  1. Name of the control of the	d and model) any other casing-tubi he injection formatio ield or Pool (if appl new well drilled for r what purpose was th	pack  ng seal).  icable) Jalmat  injection? /// Yes  ne well originally dri	er at	No Oil st all such per	forated interv
(brand) (or describe a  Other Data  1. Name of the control of the	d and model) any other casing-tubi he injection formatio ield or Pool (if appl new well drilled for r what purpose was th	pack ng seal).  in icable) Jalmat injection? // Yes ne well originally dri	er at	No Oil st all such per	forated interv
(brand) (or describe a  Other Data  1. Name of the control of the	d and model) any other casing-tubi he injection formatio ield or Pool (if appl new well drilled for r what purpose was th	pack  ng seal).  icable) Jalmat  injection? /// Yes  ne well originally dri	er at	No Oil st all such per	forated interv
(brance) (or describe and give part) (brance) (b	d and model) any other casing-tubi he injection formatio ield or Pool (if appl new well drilled for r what purpose was th ell ever been perfora plugging detail (sack	pack  ng seal).  icable) Jalmat  injection? /// Yes  ne well originally dri	/X/	No Oil st all such per used) No.	forated interv

# INJUCTION WELL DATA SHEET

OPERATOR		LEASE		<del></del>	· · · · · · · · · · · · · · · · · · ·
Tenneco		E.J.Wells			
WELL NO. FOOTAGE LO	CATION	SECTION		TOWNSHIP	RANGE
	2310' FEL	12	<del></del>	25-S	36-E
Unit Letter"G"					
Schematic	•		Tabular	Data	
Date Manual Lt. 1 12/10/60		Surface Casing			
Date Completed 12/19/68 This well was completed	as an	Size 16		Cemented with	200 s
oil well, but after comp		TOC Surface	feet	determined by	circulated
allowable was canceled a	nd well	Hole size	-	·	
was to be held for secon At present this well is	dary recove a SWD well				
ne present this were re-	<u> </u>	Intermediate Cas	ing		
				Cemented with	
		TOCNA	feet	determined by	NA
		Hole size	NA	•	
		Long string			
		Size		Cemented with	
		TOC	feet	determined by	
		Hole size			•
		Total depth	3372		
,					
•		Injection interv	al		
			feet to		feet
		(perforated or o	pen-hole, i	ndicate which)	
		•			
		•			
•					
,					
			•		
			1		
				•	
•					
Tallian at an MA	lined	with	NI A		set in a
Tubing size <u>NA</u>	•		(material)		
NA (brand and model	·	pa	cker at	2800'+	feet
(or describe any other c		seal).	•		
			•	•	
Other Data					·
1. Name of the injectio					· · · · · · · · · · · · · · · · · · ·
2. Name of Field or Poo	l (if applic	able) Jalma	t		
3. Is this a new well d	rilled for i	njection? /7 Y	es <u>/x</u> 7	No	
If no, for what purp	ose was the	well originally d	rilled? _(_	Oil ), them al	lowable was
canceled, and well wa					
4. Has the well ever be and give plugging de	en perforate	d in any other zo	ne(s)? Lis	t all such perf used)	orated interva
			_		
					······································
5. Give the depth to an this area.	d name of an	y overlying and/o	r underlyim	oil or gas zo	nes (pools) in

# INJUSTION WELL DATA SHEET

OPERATOR	LEASE			<del></del>	
Sinclair O & G Co.	F. Hanagan	Y, '			
WELL NO. FOOTAGE LOCATION FWL #2 2310'FSL & 2310'FWL	SECTIO	N	TOWNSHIP	RANGE	
#2 2310'FSL & 2310'FWL Unit letter "K"	12		<b>25</b> S	36-E	
Schematic		Tabula	r Data		
•	Surface Casin	g			
	Size 15 1/	2 "	Cemented with	100	8 4
Date Completed; 1/9/35 P & A 12/13/79			determined by		-
	Hole size		ossisiminad by		
Plugging	<del></del>				
) m	Intermediate			•	
) Top of plug 10'.Drlg. & cleaned out to 150'.	<b>Y</b> ize <u>10</u>		Cemented with	600	_s
) Drlg. & cleaned out boards & jun			determined by	Circulated	
to 180'. Dr1g.2' 8 3/4"hole. ) Cleaned out 7" csg.from 2300'-	Hole size	19			
2683'.Mixed mud & conditioned	Long string	•			
hole, Spotted 40 sx.plug from 2683'-2596', 87'plug. Shot 60 sx.	Size	11	Cemented with	375	S
2240'.Tagged @2190',top of 7"	TOC NA	feet	determined by	NA	_
csg.Spotted additional 40 sx.@ 2190'.Tag-No plug.Spot 30 sx.	Hole size				
plug@ 1500' tag. Spot75 sx.plug	Total depth				
@1500'-tag.No plug. Spotted 75 sx. plug @ 1500'-					
tag @1342'(158'plug.) Spot,50 sm			•		
plug @1150 to 1050'.Spot 150 sx.	Sperforated or	feet to	3162 indicate which)	_ feet	
plug @ 200'. POH.Pumped 60 sx brough cement to surface.	(portoracea of	. open-nore, r	indicate whiteh)		
- brough cement to surface.	·			•	
- brough cement to surface.					
Tubing sizeNA line	d with	NA (material)		. set in	a
Tubing size <u>NA</u> line		(material)	Na		Э
Tubing size NA line  NA (brand and model)		(material)			a
Tubing size NA line  NA (brand and model)  (or describe any other casing-tubin		(material)			a
Tubing size NA line  NA (brand and model)  (or describe any other casing-tubin Other Data	g seal).	(material)			Ð
Tubing size NA line  NA (brand and model)  (or describe any other casing-tubin Other Data  1. Name of the injection formation	g seal).	(material) packer at			a
Tubing size NA line  NA (brand and model)  (or describe any other casing-tubin Other Data  1. Name of the injection formation 2. Name of Field or Pool (if appli	g seal).	(material) packer at	Na		a
Tubing size NA line  NA (brand and model)  (or describe any other casing-tubin Other Data  1. Name of the injection formation 2. Name of Field or Pool (if appli 3. Is this a new well drilled for	g seal).  cable) Jalmat  injection? /_7	(material) packer at	Na No		a
Tubing size NA line  NA (brand and model)  (or describe any other casing-tubin Other Data  1. Name of the injection formation 2. Name of Field or Pool (if appli	g seal).  cable) Jalmat  injection? /_7	(material) packer at	Na No		a 
Tubing size NA line  NA (brand and model)  (or describe any other casing-tubin Other Data  1. Name of the injection formation 2. Name of Field or Pool (if appli 3. Is this a new well drilled for	g seal).  cable) Jalmat  injection? / / well originally  ed in any other	(material) packer at  Yes / / drilled? Of	Na No 1 t all such peri	forated inter	 va
Iubing size NA line  NA (brand and model)  (or describe any other casing-tubin Other Data  1. Name of the injection formation 2. Name of Field or Pool (if appli 3. Is this a new well drilled for If no, for what purpose was the and give plugging detail (sacks)	g seal).  cable) Jalmat injection? / / / well originally ed in any other of cement or br	(material) packer at  Yes /X/ drilled? Oi  zone(s)? Lis ridge plug(s)	Na No 1 t all such perfused) NO	feet	va.
Tubing size NA line  NA  (brand and model)  (or describe any other casing-tubin  Other Data  1. Name of the injection formation  2. Name of Field or Pool (if appli  3. Is this a new well drilled for  If no, for what purpose was the  4. Has the well ever been perforat	g seal).  cable) Jalmat injection? / / / well originally ed in any other of cement or br	(material) packer at  Yes /X/ drilled? Oi  zone(s)? Lis ridge plug(s)	Na No 1 t all such perfused) NO	feet	va

# INJECTION WELL DATA SHELT

OPERATOR		LEASC	<del></del>	****	
Worldwide Ener	gy,Corp.	E.J.We			
	OUTAGE LOCATION OF THE PROPERTY OF THE PROPERT		CTION 2	TOWNSHIP 25-S	RANGE 36-E
Unit letter"A'		TEL 1		23-3	30-E
Schemati	_		Tabula	ır Data	
•		Surface C	asing		
Date Completed		Size 9	5/8 "	Cemented with	350 sx.
Active Gas as	or this year.		feet	determined by	NA
		Hole size	NA		
		Intermedia	ate Casing		
			/2"	Cemented with	450 av
			Afeet		<del></del>
			NA	_	NA
			,		
		<u>Long</u> strin	<del></del>		
			<u>-NA</u> "		
		TOC <u>NA</u>	feet	determined by _	NA
		Hole size	NA	·	
		Total dept	th <u>3032</u>		
		Injection	interval		
		280		3032	feet
		(perforate	ed or open-hole,	indicate which)	
					• .
	•				
		•	•		
		:	•		
Tubing size	NA	_ lined with	NA (material)	)	set in a
(brand	NA and model)		packer at	NA	feet
(or describe an		-tubing seal).			
Other Data	,	-			
<del></del>	injection for	mation			
	_	applicable)Ja			
•		d for injection?			
		as the well origin			
4. Has the well and give pl	l ever been pe ugging detail	rforated in any ot (sacks of cement o	her zone(s)? Lis r bridge plug(s)	st all such perfoused) NO	orated intervals
5. Give the de this area.		e of any overlying	and/or underlyim	ng oil or gas zor	nes (pools) in

# INJUCTION WELL DATA SHEET

OPERATOR	LEASE	· · · · · · · · · · · · · · · · · · ·		
Worldwide Energy, Corp.	E.J.Wells			
#3 1650'FNL & 330			TOWNSHIP 25-S	RANGE 36-E
Init Letter"H"	7 FEL 12	<del></del>	2,3-5	
Schematic		Tabula	r Data	•
	Surface Casing		1 Data	
Date Completed 7/20/83		•	•	Poods Wiss
Active Oil				th Ready Mix sx.
	TOC Surface	feet	determined b	y Circulated
	Hole size	····		
	Intermediate C			
	Size 10 3/4	······································	Cemented wi	th <b>225</b> sx
	TOC	feet	determined b	у
	Hole size	12 1/4		
	<b>Long</b> string	• •		
		11	Cemented wi	th 400sx.,50-50 sx
	TOC NA			600sxlite
	Hole size			у
	Total depth	3833		
	Injection inte			
	3306 (perforated or	_ feet to	3393	feet
•			,	
			·	
Tubing size <u>NA</u>	lined with	NA	-	set in a
		(material)		
(brand and model)		Jacker at	_ NA	1660
(or describe any other casin	g-tubing seal).			
Other Data				
1. Name of the injection fo	rmation			
2. Name of Field or Pool (i	f applicable) <b>Jalm</b>	at		
3. Is this a new well drill	ed for injection? /_/	Yes X	No	
If no, for what purpose	was the well originally	drilled? 01	L	
4. Has the well ever been p and give plugging detail	erforated in any other . (sacks of cement or br	zone(s)? Lis idge plug(s)	et all such pe used) <u>No</u>	erforated intervals
5. Give the depth to and no				zones (pools) in
this area.		·		····
		· · · · · · · · · · · · · · · · · · ·		

# INJECTION WELL DATA SHEET

OPERAT	OR	LEASC		· · · · · · · · · · · · · · · · · · ·	
Dovle	Hartman O. FOUTAGE LOCATION	Etz			
			N	TOWNSHIP	RANGE
#4		л. 7		25-S	37-E
	stter"D"		<b>-</b>		
	Schematic		Tabula	or Data	
•		Surface Casin	ত্র		
Data as	1atal. 12/20/90	Size 8 5	<u>/8                                    </u>	Cemented with	300 sx.
Date Co	ompleted: 12/30/80	TOC Surface	feet	t determined by	Circulated
Act	tive	Hole size	12 1/4		
		Intermediate	Casing		•
		Size	#1	Cemented with	SX.
		100	feet	t determined by	
		Hole size			
			•		
		<u>Long</u> string			
		Size <u>5 1/</u>	<u> </u>	Cemented with	650sx.
		TOC NA	feet	determined by	NA
		Hole size	7 7/8		
		Total depth			
		iour depen	3000		
		Injection int	erval	•	
		3324	feet to	3600	feet
		(perforated o	r open-noie,	indicate which)	
Tubing	size NA	lined with	NA		set in a
_	NA		(material		feet
	(brand and model)		packer at	NA	
(or de	scribe any other casing-	tubing seal).			
Other	Data				
	 me of the injection form	ation			
•	me of Field or Pool (if				
	this a new well drilled				
Ιf	no, for what purpose wa	s the well originall	y drilled?	011	
4. Ha on	s the well ever been per d give plugging detail (	forated in any other sacks of cement or b	zone(s)? Li ridge plug(s)	st all such per( ) used) <u>No</u>	forated intervals
•					·····
	ve the depth to and name	of any overlying an	d/or underlyi	imy oil or gas zo	ones (pools) in
		/			

# INJUSTION WELL DATA SHELT

OPERATOR	LLASL		
ARCO O & G Co.	W.F.Hanagan		
WELL NO. FOOTAGE LOCATION  #4 2173'FSL & 2173'FEL	SECTION 12	TOWNSHIP 25-S	RANGE 36-E
	12	25-3	JU-E
Unit letter"K" Schematic	· •	abulas Data	•
Jenema e re	_	abular Data	
	Surface Casing .		
	Size 13 3/8	." Cemented wit	th 250 sx.
SWD Well	TOC <u>Surface</u>	feet determined by	Circulated
Date completed 3/23/53	Hole size	15	
Completed as Gas well 12/10/53	Intermediate Casing		
Converted to SWD well	Size	" Cemented wit	h 500 sx.
1/30/70	TOC Surface		
			orr correct
	More 512e8	3/4	
	Long string		
	Size <u>2 3/8</u>	" Cemented wit	h <u>NA</u> sx.
	TOC NA	feet determined by	NA
	Hole size	NA .	
	Total depth	3164	
	Injection interval		
		h. 2017	6 .
	2892 feet (perforated or open-he	ole, indicate which	Teet
	· · · · · · · · · · · · · · · · · · ·		
	•		
		× .	
•			
	•	•	
•			
Tubing size 2 3/8 line	d with EUE 8 rd interna	ally plastic coate	d tub.set in a
Tension type packer	nacker:	erial) at 2881.58	feet
T <u>ension type packer</u> (brand and model)	pocker		
(or describe any other casing-tubing	g seal).		•
Other Data			
1. Name of the injection formation			
2. Name of Field or Pool (if applied)	cable) <u>Jalmat</u>		
3. Is this a new well drilled for	injection? /_/ Yes	<u>∕</u> X∕ No	
If no, for what purpose was the	well originally drilled	d? Gas	
4. Has the well ever been perforate and give plugging detail (sacks	ed in any other zone(s)' of cement or bridge plo	? List all such per ug(s) used) <u>.<b>Perf 3</b></u>	rforated intervals 105-3130
Plugged off Oil & water, re-pe	rforated & re-complete	ed as Gas well/	
5. Give the depth to and name of a	ny overlyina and/or und	erlyima oil or ose	zones (nools) in
5. Give the depth to and name of a this area.		ora va yas a	
	والوجود والمساورة المقالة ومدان ومدان ومدان المساورة المساورة المساورة المساورة والمساورة والمساورة		

# INDECTION WELL DATA SHELT

OULDATOR				
Maralo, I	'nC.	Jalmat Yates Unit		
WELL NO.	FOUTAGE LOCATION	SECTION	TOWNSHIP	RANGE
7	990' FSL & 1650'	FEL 12	25S	36E
Sche	ematic	Inb	ular Data	
		Surface Casing		
			Connect of the	225
		Size 10 3/4 "		
		Nole size 12 1/4"		Observation
	:	Intermediate Casing		
		Size"		
		TOC f		
		Hole size		
	•	Long string		
		Size <u>5 1/2</u> "		
		TOC f	ect determined by	
•	,	Hole size		
		Total depth 307	9	
		Injection interval		
	. •	2960 feet to (perforated or open-hol	3073	_ feet
٠		(periorated of open-nor	e, indicate which,	
	•		h .	
		· · · · · · · · · · · · · · · · · · ·		
				-
				-
				-
				-
			Laā	set in a
	<del></del>	lined with <u>plastic coa</u> (mater	1a!)	set in a
Baker AD ·	- 1 nickel plated	lined with <u>plastic coa</u> (mater packer at	ted ial) 2900'	set in a fect
Baker AD (br	<del></del>	(mater packer at	1a!)	
Baker AD (br	- 1 nickel plated	(mater packer at	1a!)	<del></del>
Baker AD (br or describ	- 1 nickel plated	(mater packer at ubing seal).	1a!)	
Baker AD (br for describ Other Data	- l nickel plated  and and model)  e any other casing-to  the injection format	(mater packer at ubing seal).	1a!)	<del></del>
Baker AD (br for describ Other Data 1. Name of 2. Name of	- 1 nickel plated  and and model)  be any other casing-to  the injection format  Field or Pool (if ap	(mater packer at packer at the	1a!)	<del></del>
Baker AD (br (or describ Other Data  1. Name of 2. Name of 3. Is this	- 1 nickel plated  rand and model)  re any other casing-to  the injection format  Field or Pool (if appears a new well drilled in	(mater packer at packer at tion Yates palicable) Jalmat Yates	2900'	<del></del>
Baker AD (br (or describ Other Data  1. Name of 2. Name of 3. Is this	- 1 nickel plated  rand and model)  re any other casing-to  the injection format  Field or Pool (if appears a new well drilled in	(mater packer at packer at ubing seal).  tion Yates  oplicable) Jalmat Yates  for injection? / 7 Yes /	2900'	<del></del>
Baker AD  (br (or describ  Other Data  1. Name of  2. Name of  3. Is this  If no,	- 1 nickel plated  and and model)  be any other casing-to  the injection format  field or Pool (if any a new well drilled for what purpose was	mater.  packer at  ubing seal).  tion Yates  pplicable) Jalmat Yates  for injection? / Yes /  the well originally drilled?	No Oil List all such per	feet
Baker AD  (br (or describ  Other Data  1. Name of  2. Name of  3. Is this  If no,	- 1 nickel plated  and and model)  be any other casing-to  the injection format  field or Pool (if any a new well drilled for what purpose was	mater.  packer at  ubing seal).  tion Yates  uplicable) Jalmat Yates  for injection? / Yes /  the well originally drilled?	No Oil List all such per	feet
Baker AD  (br  (br  for describ  Other Data  Name of  Name of  Is this  If no,	- 1 nickel plated  and and model)  be any other casing-to  the injection format  field or Pool (if any a new well drilled for what purpose was	mater.  packer at  ubing seal).  tion Yates  pplicable) Jalmat Yates  for injection? / Yes /  the well originally drilled?	No Oil List all such per	feet
Baker AD  (br  (or describ  Other Data  Name of  Name of  Is this  If no,  Has the  and giv	- l nickel plated  and and model)  be any other casing-to  the injection format  field or Pool (if ap  a new well drilled for what purpose was  e well ever been perfore plunging detail (sa	mater.  packer at  ubing seal).  tion Yates  pplicable) Jalmat Yates  for injection? / Yes /  the well originally drilled?	2900'  X No  Oil  List all such per (s) used)no	feet

# INJECTION WELL DATA SHELT

Schematic UNCATION SECTION HUNSHIP RANGE  400' FSL's 1000' FSL's 1000' FSL's 12 25-S 36-E  Schematic Surface Casing Size 8.5/8 " Commented with 200 o  100 Surface feet determined by observation  Hole size 11"  Intersediate Casing Size 6.5/2 " Commented by Hole size tong string Size 5.1/2 " Commented by Hole size tong string Size 7.7/8" Total depth 3557  Injection interval 2971 feet to 3044 feet  (perforated or open-hole, indicate which)  Feet  United and model or open-hole or open-hole, indicate which)  Feet  Feet  Name of the injection formation Yates  Name of fleid or Pool (if applicable) Jalmat Vates  Is this a new well drilled for injection? /7 Yes		LEASC			
Schematic    Surface Casing   Size 3.5/8   Cemented with200   molecular Data	Maralo, Inc.				
Schematic    Surface Casing   Size   B 5/8   Cemented with   200   g	· · · · · · · · ·				
Surface Casing  Size 8.5/8	9 400 FSL & 1000	red 12		25-5	36-E
Size 8 5/8 Comented with 200 or 100 Surface feet determined by observation. Hole size 11"    Interaction Cosing Size	Schematic		Tabula	r Data	
TOC   Surface   Feet determined by observation	•	Surface Cas	sing ·		
Hole size 11"  Interaction Cosion  Size		<b>Size</b> 8 5/	/8	Cemented with	200
Intersectate Cosing   Size	•	Toc Surf	face feet	determined by	oservation
Size		Hole size	11"		
Hole size  Long string Size 5 1/2 " Comented with 1200  100 — feet determined by —  Hale size 7 7/8"  Total depth 3557  Injection interval  2971 feet to 3044 feet  (perforated or open-hole, indicate which)  (perforated or open-hole, indicate which)  (prind and model)  (prind and		Intermediat	te Casing		
Hole size  Long string Size 5 1/2 " Comented with 1200  100 — feet determined by —  Hale size 7 7/8"  Total depth 3557  Injection interval  2971 feet to 3044 feet  (perforated or open-hole, indicate which)  (perforated or open-hole, indicate which)  (prind and model)  (prind and		Size	88	Cemented with	
Hole size  Long string  Size 5 1/2 " Camented with 1200  10C — feet determined by —  Hole size 7 7/8"  Total depth 3557  Injection interval  2971 feet to 3044 feet  (perforated or open-hole, indicate which)  Feet  Paker Model AD 1 packer at 2914 feet  (brand and model) packer at 2914 feet  Name of the injection formation Yates  Name of field or Pool (if applicable) Jalmat Yates  Is this a new well drilled for injection? 7 Yes X7 No  If no, for what purpose was the well originally drilled? oil  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (aacks of cement or bridge plug(s) used) 3069 - 3184  Give the depth to and name of any overlying and/or underlying eil or gas zones (peols) in five the depth to and name of any overlying and/or underlying eil or gas zones (peols) in five the depth to and name of any overlying and/or underlying eil or gas zones (peols) in					
Size		•		_	
Size		Long string	· 1		
Hole size 7 7/8"  Total depth 3557  Injection interval 2971 feet to 3044 feet (perforated or open-hole, indicate which)  **  **  **  **  **  **  **  **  **			_	Cemented with	1200
Hole size 7.7/8"  Total depth 3557  Injection interval  2971					
Injection interval  2971				, <del>-</del>	
ubing size 2 3/8" lined with plastic coated set in a (material) set in a (material) packer at 2914 feet (brand and model) packer at 2914 feet of describe any other cosing-tubing seal).  ther Data  Name of the injection formation Yates  Name of Field or Pool (if applicable) Jalmat Yates  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled? oil  Has the well ever been perforated in any other zone(s)? List all such perforated intervent give plugging detail (sacks of cement or bridge plug(s) used) 3069 - 3184		Total depth	3557		
ubing size 2 3/8" lined with plastic coated set in a (material) set in a (material) packer at 2914 feet (brand and model) packer at 2914 feet of describe any other cosing-tubing seal).  ther Data  Name of the injection formation Yates  Name of Field or Pool (if applicable) Jalmat Yates  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled? oil  Has the well ever been perforated in any other zone(s)? List all such perforated intervent give plugging detail (sacks of cement or bridge plug(s) used) 3069 - 3184		Injection i	nterval		
wbing size 2 3/8" lined with plastic coated set in a (material)  Baker Model AD 1 packer at 2914 feet (brand and model)  or describe any other casing-tubing seal).  ther Data  Name of the injection formation Yates  Name of field or Pool (if applicable) Jalmat Yates  Is this a new well drilled for injection? / Yes No  If no, for what purpose was the well originally drilled? oil  Has the well ever been perforated in any other zone(s)? List all such perforated intervent of the depth to and name of any overlying and/or underlying oil or gas zones (paols) in		_		3044	6
ubing size 2 3/8" lined with plastic coated set in a (material)  Baker Model AD 1 packer at 2914 feet (brand and model)  or describe any other casing-tubing seal).  ther Data  Name of the injection formation Yates  Name of field or Pool (if applicable) Jalmat Yates  Is this a new well drilled for injection? / Yes X7 No  If no, for what purpose was the well originally drilled? Oil  Has the well ever been perforated in any other zone(s)? List all such perforated intervent and give plugging detail (sacks of cement or bridge plug(s) used) 3069 - 3184	. •	(perforated	or open-hole,	indicate which)	reet
(material)  Baker Model AD l					
Baker Model AD 1 packer at				,	
ther Data  Name of the injection formation	ubing size <u>2 3/8"</u>	lined with	plastic coa (material	uted	set in a
Name of the injection formation	Baker Model AD 1	lined with	(material)		
Name of the injection formation Yates  Name of Field or Pool (if applicable)Jalmat Yates  Is this a new well drilled for injection?	Baker Model AD l		(material)		
Name of Field or Pool (if applicable)	Baker Model AD l (brand and model) or describe any other casi		(material)		
Is this a new well drilled for injection? /// Yes /X/ No  If no, for what purpose was the well originally drilled? Oil  Has the well ever been perforated in any other zone(s)? List all such perforated interve and give plugging detail (sacks of cement or bridge plug(s) used)3069 - 3184  Give the depth to and name of any overlying and/or underlying ail or gas zones (pools) in	Baker Model AD l (brand and model) or describe any other casi ther Data	ing-tubing seal).	packer at		
If no, for what purpose was the well originally drilled?	Baker Model AD l (brand and model) or describe any other casi ther Data . Name of the injection f	ing-tubing seal). Formation <u>Ya</u> t	packer at		
and give plugging detail (sacks of cement or bridge plug(s) used)	Baker Model AD l (brand and model) or describe any other casi ther Data . Name of the injection f	ing-tubing seal).  formation Yat  (if applicable) Jal	packer at packer at tes mat Yates	2914	
and give plugging detail (sacks of cement or bridge plug(s) used)3069 - 3184  . Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in	Baker Model AD 1 (brand and model) or describe any other casi ther Data . Name of the injection f . Name of Field or Pool ( . Is this a new well dril	ing-tubing seal).  formationYat  (if applicable)Jal  lled for injection? /	material)  packer at  es  mat Yates	2914 No	
. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Seven Rivers (now depleted)	Baker Model AD l (brand and model) or describe any other casi ther Data . Name of the injection f . Name of Field or Pool ( . Is this a new well dril If no, for what purpose	ing-tubing seal).  formation Yat  (if applicable) Jal  lled for injection? /  was the well origina	material, packer at  es  mat Yates  7 Yes  Ally drilled?	29]4 No oil	fect
this area. Seven Rivers (now depleted)	Baker Model AD 1 (brand and model) or describe any other casi ther Data . Name of the injection f . Name of Field or Pool ( . Is this a new well dril If no, for what purpose	ing-tubing seal).  formation Yat  (if applicable) Jal  lled for injection? /  e was the well original	mat Yates  Types /X7  Types /X7  Types /X7  Types /X7	No oil	feet
	Baker Model AD 1 (brand and model) or describe any other casi ther Data  Name of the injection f Name of field or Pool ( Is this a new well dril If no, for what purpose Has the well ever been and give plugging detai	ing-tubing seal).  formation Yat  (if applicable) Jal  lled for injection? /  e was the well original  perforated in any othe  il (sacks of cement or	material, packer at  es  mat Yates  7 Yes /X7  ally drilled?  cer zonc(s)? Lie bridge plug(s)	No oil t all such perfoused) 3069 -	rated interv

# INJECTION WELL DATA SHELT

OPERATOR	LEASC		
Maralo, Inc. Jalma	at Yates Unit		
WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
6 960' FSL & 425 FEL	12	25S	36E
<b>-</b>			
Schematic		Tabular Data	:
•	Surface Casing	•	
	Size <u>10 3/4</u>	" Cemented with	<u>300</u> sx.
•	TOC Surface	feet determined by	observation
	Hole size 12	1/4	
	•		
	Intermediate Casi	<del></del>	
	Size	" Cemented with	5 x
	TOC	feet determined by	
	Hole size		
	lana atrias	•	
	Long string		
		" Cemented with	
	TOC	feet determined by	<del></del>
-	Hole size		
	Total depth	2983	
	Injection interval	1	
. •		eet to en-hole, indicate which)	_ feet
•			
	-	1	
<b>-</b>			
			•
ubing size $\frac{23/8}{}$ line	d withplasti	c coated	set in a
Baker Model AD 1	pacl	ker at 2914	feet
(brand and model)			
or describe any other casing-tubin	ng seal).		·
ther Data			
. Name of the injection formation	Yates		
. Name of field or Pool (if appli	cable) Jalmat Yates		
. Is this a new well drilled for			
If no, for what purpose was the	e well originally ur.	011	
. Has the well ever been perforat	ed in any other zone	c(s)? List all such perf	orated interval
not give plugging detail (sacks	s of cement or bridge	e plug(s) used)none	
Give the depth to and name of a	nny overlying and/or	underlying oil or gas zo	ones (pools) in
this area.			
Seven Rivers (now d	depleted)		

# INJECTION WELL DATA SHEET

PERATOR (Atl	antic) (Sinclair Re	LEASE epollo)	Gloyd				
	FOUTAGE LUCATION	_	ECTION		TOWNSHIP	RANGE	· · · · · · · · · · · · · · · · · · ·
2	2310 FSL & 2310 F		12		25S	36E	
	2310 10H & 2310 1	<u> </u>		<del></del>			·
Sch	<u>ematic</u>			Jabular	Data	•	
		Surface	Casing .				
		Size	13 3/8	**	Cemented w	ith N77	\ 5
			urface				
		Hole siz				ODSCLVE	ICTO!!
			-				
			iate Casing				
			10 3/4				
		TOC	<del></del>	_ feet	determined t	) y	
		Hole siz	e				
		Long str	ing				
			7"		Comented wi	ith	,
						· /	<del></del>
			e				
		iotai de	pth		3325		
		Injectio	n interval				
	•		feet ted or open-	to		feet	
f this P	was originally plu & A; however, Mara for your convenienc	lo re-plugged					
f this P	& A; however, Mara	lo re-plugged					
f this P	& A; however, Mara	lo re-plugged					
f this P	& A; however, Mara	lo re-plugged					
f this P	& A; however, Mara	lo re-plugged					
f this P	& A; however, Mara	lo re-plugged					
f this P ttached :	& A; however, Mara for your convenienc	llo re-plugged	on February	3, 198	0 — a copy (	of C-103 i	
f this P ttached :	& A; however, Mara	lined with	on February	3, 198	0 - a copy o	of C-103 i	t in a
f this P ttached : bing size	& A; however, Mara for your convenienc	lined with	on February	3, 198	0 - a copy o	of C-103 i	t in a
f this P ttached  bing size	& A; however, Mara for your convenienc	lined with	on February	3, 198	0 - a copy o	of C-103 i	t in a
f this P ttached  bing size  (br	& A; however, Mara for your convenience  and and model)	lined with	on February	3, 198	0 - a copy o	of C-103 i	t in a
f this P ttached  bing size  (br r descrit	& A; however, Mara for your convenience  and and model)	lined withtubing scal).	on February (ma	3, 198 terial)	0 - a copy o	of C-103 i	t in a feet
f this P ttached  bing size  (br r descrit her Data	& A; however, Mara for your convenience and model) be any other casing-	lined with tubing scal).	on February  (mapacker	3, 198 terial)	0 - a copy o	of C-103 i	t in a feet
f this P ttached  bing size  (br r descrit her Data  Name of	& A; however, Mara for your convenience and and model) be any other casing-	lined with tubing scal). ation applicable)	on February  (mapacker	3, 198 terial)	0 - a copy o	of C-103 i	t in a
f this P ttached  bing size  (br r descrit her Data  Name of Name of	& A; however, Mara for your convenience  rand and model)  re any other casing-  f the injection form  f Field or Pool (if	lined with  tubing seal).  ation applicable) for injection?	on February  (ma packer	terial) at	0 - a copy o	of C-103 i	t in a feet
this P ttached  bing size  (br r descrit her Data  Name of Is this If no,	& A; however, Mara for your convenience of the injection form field or Pool (if is a new well drilled)	lined with  tubing scal).  ation applicable) for injection? s the well orig	(ma packer	3, 198  terial) at  // ed? )? Lis.	No tall such p	of C-103 i	t in a feet

ANT A FE . MEXICO OIL CONSERVATION COMMISSION	C-702 and C-703 Effective 14-65
ILE	
J.S.G.S	Sa. Indicate Type of Lease
AND OFFICE	State Fee,
PERATOR	5. State Oll & Gas Leose No.
•	N A
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. Unit Agreement Name
WELL OTHER- P & A	·
Nanie of Operator	B. Farm or Leuse Name
Maralo, Inc. (Atlantic) (Sinclair Repollo)	Cloyd
Address of Operator ·	9. Well No.
P. O. Box 832, Midland, Texas 79702	2
Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER J 2310 FEET FROM THE SOUTH LINE AND 2310 FEET FROM	Jalmat
East LINE, SECTION 12 TOWNSHIP 25-S RANGE 36-E NMPM.	
THE TOWNSRIP RANGE NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
N.A.	Lea ////////
Check Appropriate Box To Indicate Nature of Notice, Report or Oth	er Data
NOTICE OF INTENTION TO: SUBSEQUENT	REPORT OF:
	•
REFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING .
MPORARILY ABANDON COMMENCE DRILLING OPNS	Re-PLUG AND ABANDONMENT
ILL OR ALTER CASING TEST AND CEMENT JOB	
. OTHER	
DTHCR	
Describe Proposed of Completed Operations (Clearly state all pertinent details, and give pertinent dates, including e- work) SEE RULE 1103.	stimated date of starting any proposed
1-20-80 Drld. top plug in 10 3/4" csg. Picked up total 6 - 4 3/4" DC. Drld	d. and washed plug @ 490'
1-22-80 Started drlg and washing to 1691' open hole.	1 5 -
1-23-80 Drld & washed to 1755'. Drld. on board to 2311'	•
1-24-80 Drld & washed on wood to 2383'. Circ. hole clean.	
1-25-80 Worked 30' into top of 7" csg. OPen hole to 2580'. Washed to 2601	t .
1-30-80 WIH w/2 7/8" tbg. open ended to 2873' Spotted 50 sx 2% CaC1. Cemer	
1-31-80 Tagged cement plug @ 2684'. 189' fill. Spotted 75 sx NE cmt. 2% (	
@ 2304. WOC 5 hrs. Pmpd 50 sx cmt 2% CaCl2.	
2-01-80 Tagged cement plug @ 2227'. Pumped 100 sx Cl. C 2% CaCl2 @ 1490'.	WOC 4 hrs. Tagged cmt.
plug @ 1480'. Pmpd 75 sx Cl. C cmt. 2% CaCl2 @ 1480'.	
2-02-80 Tagged cmt. plug @ 1460'. Pmpd 75 sx cmt 2% CaCl2. WOC 5 hrs. Tagg	ged cmt. plug @ 1402.
Pmpd 25 sx cmt 2% CaCl2. Pld. tbg to 1165. Pmpd 50 sx cmt 2% CaCl2	2. Pld and lay down all
2 7/8" tbg. Removed BOP.	
2-03-80 Plugged top 13 3/8" csg. w/10 sx cmt.	
All pits have been filled and location has been levelled and clear	red of junk .
	٠.
	•
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Bunda Collma - Production Clerk	6-18-81
TITLE	DATE
IDITIONS OF APPROVAL, IF ANY:	
INTITIONS OF AFFROYAC, IF ARTS	

# INJECTION WELL DATA SHEET

OPERATOR			LEA	SC		<del></del>	<del></del>	
Maralo, Ir		LOCATION	Jalmat	Yates Unit	-	**************************************		
WI 3		& 2500' FEL		SECTION		TOWNSHIP	RANGE	
MT 2		1 & 2300 FELL	<del> </del>	12		25S	36E	
Sche	matic				Tabula	r Data		
•			Surfac	e Casing	•			
			Size _	8 5/8	11	Cemented wi	th <u>300</u>	s×
			TOC	Surface	feet	determined b	y <u>Observatio</u>	on
			Hole s	ize	124"			
			Interm	ediate Casi	ng			
			Size _	<del></del>		Cemented wi	th	s
			TOC		fect	determined b	у	
			Hole s	ize	<u> </u>			
			Long s	tring				
			Size _	4 1/2	11	Comented wi	th <u>1500</u>	s
			TOC		feet	determined by	y	
•			Hole s	ize	7 7,	/8"		
		`	Total	depth	3496			
			Inject	ion interva	1			
	_		291	5 <b>f</b>	eet to	3163	feet	
				•.	1			
	٠							
						•		
					•			
					•			
ubing size	2.3/8	" lineo	d with	plastic	coated		set in	a
		ickel plated			(material) ker at	2893'	feet	
(bra	and and mod	cl)		pac				
	e any other	casing-tubing	g seal).					•
Other Data								
		ion formation			7-1	<u>, , , , , , , , , , , , , , , , , , , </u>		
Name of		ool (if applie						
			injectio	n/ /A/ Ye	s <u>/</u> /	NO		
		drilled for a						
If no, t	for what pu		well or	iginally dr	illed?	t all such poused)NO	erforated into	rva
If no, the had give	for what pu well ever e plunging	rpose was the been perforate detail (sacks	well or ed in an of ceme	iginally dr y other zon nt or bridg	illed? e(s)? Lis e plug(s)	used) <u>no</u>		
Has the and give	for what pu well ever e plugging e depth to	rpose was the been perforate detail (sacks	well or ed in an of ceme	iginally dr y other zon nt or bridg	illed? e(s)? Lis e plug(s)	used) <u>no</u>		

# INJECTION WELL DATA SHEET

	T ~	Tell		
Maralo,	Inc.	Jalmat Yates Unit	TOWNSHIP	RANGE
4	1440' FSL & 1150' FEI		25S	36E
Sel	hematic	1	abular Data	<b>:</b>
•		Surface Casing .		
		Size 8 5/8	" Cemented with	s
	•	TOC Surface	feet determined by	observation
		Hole size11"		
		Intermediate Casing		
		Size	" Cemented with	6
		TOC	feet determined by	
		Hole size		
		Long string		
		Size5\frac{1}{2}	" Cemented with	800 s
		TOC		
		Hole size 7	_	
	,	<del></del>	00'	
		Injection interval		
			+- 3002	Cook
	. •	2917 feet (perforated or open-h	ole, indicate which)	_ 1560
	·			
				_
	<b></b>			
	<b></b>			
,				
ubing siz	re 2 3/8 line	ed withFUE_plastic	coated	set in a
	ze <u>2 3/8</u> line Baker AD - l nickel plate	. 3	2002	
B	aker AD - 1 nickel plate	packer	2002	set in a
B	Baker AD - 1 nickel plate	packer	2002	
B	waker AD - 1 nickel plate prand and model) ibe any other casing-tubin	packer	2002	
(i or descri	waker AD - 1 nickel plate prand and model) ibe any other casing-tubin	packer	2002	
(i or descr ther Data . Name (	aker AD - l nickel plate prand and model) ibe any other casing-tubin	packer ng seal).  Yates	2002	
Or describing the Data  Name of Name of States	caker AD - 1 nickel plate  prand and model)  ibe any other casing-tubin  a  of the injection formation	ed packer ing scal).  Yates icable) Jalmat Yates	2002	
or describing the Data  Name of Name of States	Baker AD - 1 nickel plate prand and model)  ibe any other casing-tubing  of the injection formation  of field or Pool (if appl	yates icable) Jalmat Yates injection? /7 Yes	2883	
ther Data Name (	caker AD - 1 nickel plate orand and model)  ibe any other casing-tubing  of the injection formation of Field or Pool (if applicits a new well drilled for	ed packer  ng seal).  Name Yates  icable) Jalmat Yates  injection? / 7 Yes  well originally drille  ted in any other zone(s)	// No d?	fect
Or describing ther Data  Name of State of the State of th	caker AD - 1 nickel plate orand and model)  ibe any other casing-tubing  of the injection formation of field or Pool (if applicity a new well drilled for poor what purpose was the median over been performation.	ed packer  ng seal).  Name Yates  icable) Jalmat Yates  injection? / 7 Yes  well originally drille  ted in any other zone(s)	// No d?	feet