

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT DIL CONSERVATION DIVISION



1935 - 198

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING

SANTA FE, NEW MEXICO 87501 (505) 827-5800

April 22, 1985

Maralo, Inc. P.O. Box 832

Midland, Texas 79701

Attention: Brenda Coffman Agent

Re: Jalmat Yates Unit Well

Nos. 1 and 2

Sec. 12, T-25S, R-36E Lea County, Waterflood Expansion Application

Case No. 8584

Dear Ms. Coffman:

Per our telephone conversation, Friday, April 19, 1985, concerning the above-described Waterflood Expansion Application, it is my understanding in this matter that Maralo, Inc. wishes to delete from consideration the use of Well No. 1 as an injection well. Doyle Hartman objected to only that portion of this application seeking the conversion of Well No. 1, hence, this application was docketed for hearing which now has been dismissed. However, Maralo, Inc. still seeks the approval to expand the Maralo Jalmat Unit to convert only Well No. 2 to an injection well since Doyle Hartman has no objection (see Doyle Hartman's letter dated March 26, 1985 and per a telephone conversation with Michelle Hembree) this well will be considered administratively.

If this is not the case, please contact me. Thank you.

Sincerely,

MICHAEL E. STOGNER Chief Hearing Officer

MES/dp

l na.

cc: Doyle Hartman
Dan Nutter

DOYLE HARTMAN

Oil Operator 500 N. MAIN P.O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

March 26, 1985

TOTAL TOTAL SUBSION

State of New Mexico Energy and Minerals Department Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87501 Case 8584

Re: Maralo's Jalmat Yates Unit Division Order #R-5816 Well Nos. © & 2 Section 12, T-25-S, R-36-E Lea County, New Mexico

Gentlemen:

Reference is made to Maralo's application to inject water for purposes of secondary recovery in the above-referenced wells in the Jalmat Yates Unit.

We have no objection to the injection of water into the Jalmat Yates Unit No. 2 well which appears to be located 2310' FSL and 1650' FEL Section 12, T-25-S, R-36-E, Lea County, New Mexico. However, the Jalmat Yates Unit No. 1 well, located 2310' FSL and 330' FEL (I) Section 12, T-25-S, R-36-E is a short 933' diagonal from our Etz No. 2 well (not shown on Maralo's plat) located 2310' FNL and 330' FWL (E) Section 7, T-25-S, R-37-E, and the proposed injection interval in the No. 1 well is the same as the producing interval in our Etz No. 2. Injection of water in the same interval would cause premature abandonment of our Etz No. 2 due to excessive water production, and would deny us the right to produce any remaining recoverable reserves, and would therefore interfere with our correlative rights.

However, if Maralo is in need of an additional water injection well, we would not have any opposition to Maralo drilling an injection well at a location consisting of approximately 1650' FSL and 330' FEL of Section 12. An injection well at this location would fit the pattern Maralo has already established for water injection in the Jalmat Yates Waterflood, and the well would still be located far enough from our Etz No. 2 to prevent interference in the production of any remaining recoverable reserves from our well. By copy of this letter, we are informing Maralo that we would be happy to meet with Maralo to work out a satisfactory solution.

New Memico Gil Conservation Division March 26, 1985 Fage 2

we runther request that we be notified in the event any work is done on the Ualmat Yates Unit No. 2. Thank you for your consideration.

Very truly yours,

DOYLE HARIMAN

Michelle Nemarce

Michelle Hembree Administrative Assistant

MH/dm

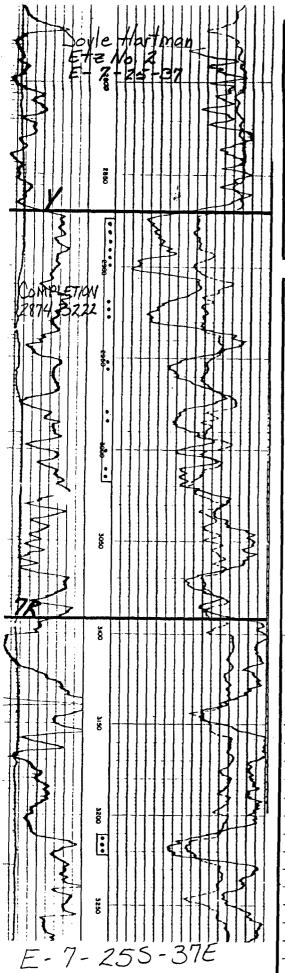
Enclosure

cc: Maralo, Inc.

Post Office Box 832

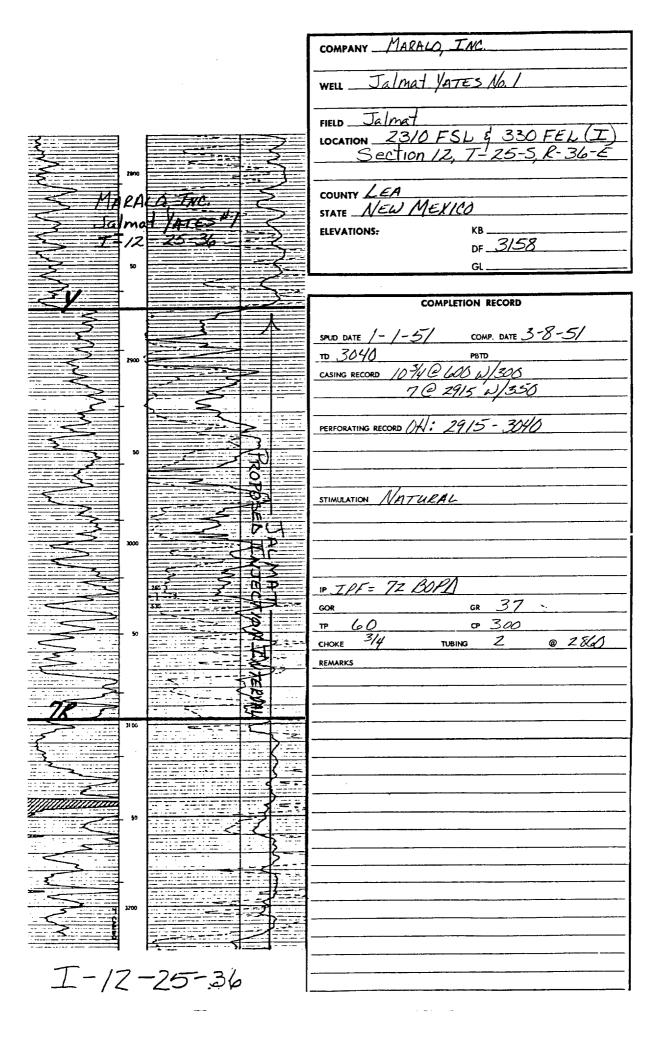
Midland, Texas

Attention: Ms. Brenda Coffman



COMPANY Doyle	Hartman
WELL ETE A	42
	TNL \$ 430 FWL (E) 7 T-25-5 R-37-E
STATE NEW MEX	//CO KB_3/66
	DF

<u>,</u>
COMPLETION RECORD
SPUID DATE 9-19-78 COMP. DATE 10-18-78
TD 3560 PBTD 3520
CASING RECORD 8 5/8 @ 294 W/ 225
TD 3560 PBTD 3520 CASING RECORD 85/8 @ 294 W/ 225 51/2 @ 3557 W/ 750
PERFORATING RECORD POFF: 2874-3222 W/21
STIMULATION A/6000
SWF / 60,000 + 80,000
IP IPF = 15 BOPD + 72 BWPD + 400 MFPD
GOR 26 666 GR 35
TP 50 0P 50
IP TPF = 15 BOPD + 72 BWPD + 400 M(FP) GOR 26,666 GR 35 TP 50 CP 50 CHOKE 40/64 TUBING 23/8 @ 34/07 REMARKS (10 x 86 x 1/2)
REMARKS (10 x 86 x 1/2)
TO A BO / TE/
8-1984 CUM PROD: 7.1 MBO 267.0 MMCF
2/27.0 MMCF
62.8 MBW
.
1984 Aug. PROD: 2.4 BOPD
88,3 MCFAD
15.0 BWPD
7=.0,0-7





February 18, 1985

e cos 8584

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

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 $\frac{1}{2}$ 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

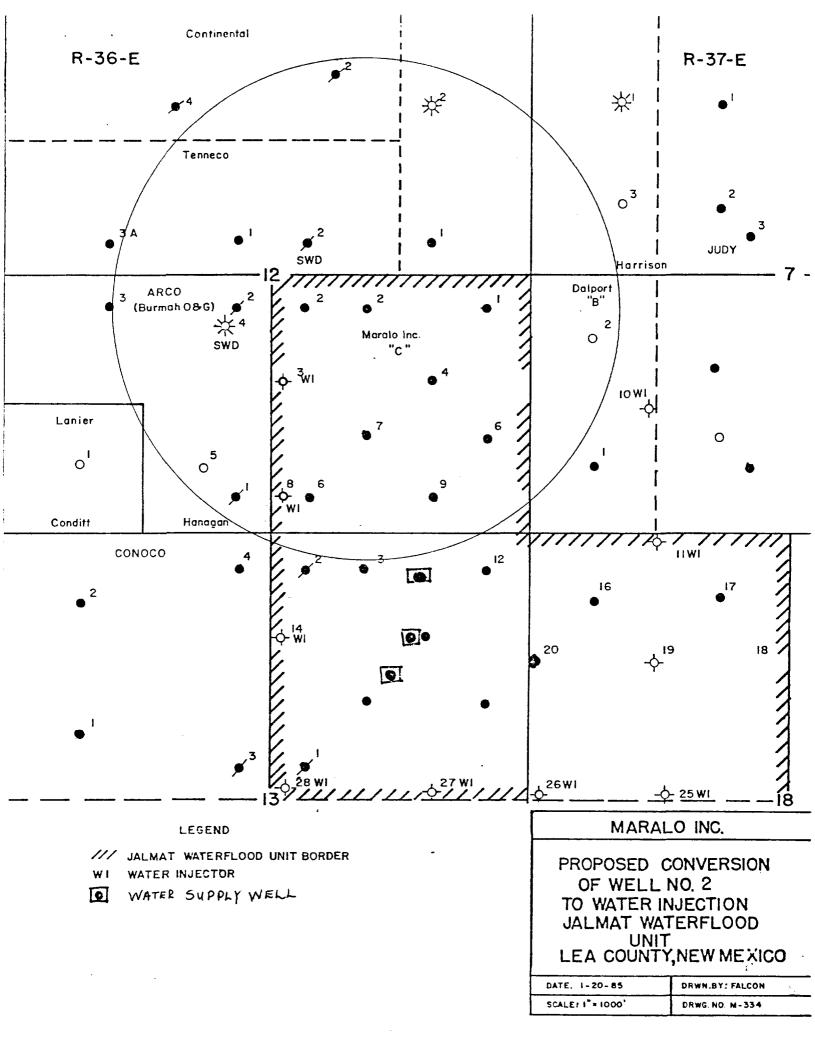
Tahoe Oil & Cattle Company P. O. Box 3084 4402 W. Industrial Midland, Texas 79702

of the earlier submittal.

UIL DULISERVATION DIVISION POST OFFICE BOX 2018 STATE LAND OFFICE BUILDING BANTA FE, NEW MEXICO 8/501

I.	Purpose: 🗵 Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? 🛛 yes 🗍 no						
II.	Operator: Maralo, Inc.						
	Address: P. O. Box 832, Midland, Texas 79702 0832						
	Contact party: Brenda Coffman Phone: 915 684-7441						
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? X yes \square no If yes, give the Division order number authorizing the project $R-5816$.						
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:						
·	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). 						
VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.						
IX.	Describe the proposed stimulation program, if any.						
х.	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: Bronda Coffman Date: 3-18-85						

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.



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
Rollant L. Summe Publisher.
Sworn and subscribed to before
me this day of
January , 19 85
January, 19 85 Vera Murphy Notary Public.
My Commission expires, 1988 (Seal)
This was a second of the secon

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 #915 684-7441, is applying
to the Oil Conservation Commission for a permit to inject
water into the Jalmat Yates
Unit Well #2, for the purpose of
secondary recovery. The well
is located in the NW/4 of the
SE/4 of Section 12, T-25-S,
R-36-E, Lea County, New Mexico, and is 2310' FNL and 330'
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 Dvision, P.O. Box 2088,
Santa Fe, New Mexico 87501
within 15 days.

-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

Oxygen is being controlled by a gas blanket.
Brenda Coffman
12-13-82

P. O. 80X 1468 MGNAHANS, TEXAS 79786

709 W. INDIANA MIDLAND, TEXAS 78701 PHONE 683-4521

RESULT OF WATER ANALYSES

LE RECEIVED . LTS REPORTED Jalmat Yate ea st well supply nit #1.		
Jalmat Yato ea st well supply	es Unit)
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ea st		
well supply	ATE New	
well supply		Mexico
	#1 & #2	
	1,1 0 1/2	
. wells #3	£ #/.	
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mpany S brow	wit in J-A.	
PERTIES		
NO. 2	NO. 3	NO. 4
1.0208	1.0078	1.0057
8.08	7.50	7.51
878	1,305	1,903
125	420	250
7.850	2,975	1,680
260	780	336
1,750	249	204
6,614	1,315	1,678
2,967	1,691	<u> 252 </u>
12,996	2,131	2,486
2.8	0.30	0.04
		
25,525	7.471	6,859
35.0	375	850
0.290	0.750	0.810
		
		
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on attached.		
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Form No. 3

Бу

Waylan C. Martin, M. A.

OPERATOR			
MARALO, INC.	JALMAT YATES UNIT		
WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGL
1 2310' FNL & 330' FEL	12	25-S	36 - E
· ·	Surface Casing Size 10 3/4 " TOC Surface fee Hole size 12" TOC fee Hole size " TOC fee Hole size " TOC 2808 fee Hole size 9" Total depth 3500' Injection interval 2917 feet to (perforated or open-hole,	Cemented with et determined by Cemented with et determined by Cemented with et determined by	36-E 300 sx. observation sx. 350 sx.
7. D. 3500			•
Tubing size 2 3/8" lin	ed with fiber q	lass 1)	set in a
Baker AD - 1 nickel plated (brand and model)			
(brand and model) (or describe any other casing-tubi			
	<i>y</i>		
Other Data	vn Vatoe		
1. Name of the injection formation		ates Unit	
2. Name of field or Pool (if app)			
3. Is this a new well drilled for If no, for what purpose was the			
4. Has the well ever been performend give plugging detail (sack	ited in any other zone(s)? L is of cement or bridge plug(s	ist all such perf.) used) <u>no</u>	orated intervals
5. Give the depth to and name of this area. Seven River	any overlying and/or underly s (now depleted)	ing oil or gas zo	nes (pools) in

OPERATO	11		LEASE						_
MARALO,	, INC.		JALMAT YATES	S UNIT					
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4	·	10 3 /4" 6	toc St	ırface	feet	determined	by obs	ervation	
4		10 3/4" @ 600' w/		12"		· · · · · · · · · · · · · · · · · · ·	•		
		300 sx. circ	Intermedia	te Casing					
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			Hole size				-		
	•		Long strin	-					
			Size	1/2	n	Comented v	ith	350	_:
			TOC		fect	determined	bу	_	
			Hole size	<u>7"</u>			-		
		`	Total dept	h <u>3064</u>	l 		-		
			Injection	interval					
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B	aker AD -	l nickel plated		packer	at	2800		feet	
		other casing-tubin	ng seal).						
Other D	ata								
1. Nam	e of the ir	njection formation	1	Yates					
		or Pool (if appli			at Yat	es Unit			
		well drilled for						— 	_
		at purpose was the							
= -	•								
4. Ilas	the well o	ever been perforat	ed in any ot	her zone(s)	? Li:	t all such	perforat	ted inter	va
bna	give plug	jing detail (sacks	of cement o	r bridge pl	uŋ(s)	nséq) <u>DO</u>			

Tenneco WELL NO. 1001ACE LO #3 2310 FNL 8 Init letter E" Schematic Date Completed 10/23/52 Active	2 990'FWL	Hole size		Cemented of the determined of	with	500 s NA
#3 2310'FNL & nit letter"E" Schematic Date Completed 10/23/52	2 990'FWL	Surface Casi Sizo 13 TDC NA Hole size Intermediate Size 9 5 TOC NA Hole size Long string Size 5 1/ TOC NA Hole size Total depth Injection in	7 3067 terval	Cemented Cemented Cemented Cemented Cemented Cemented Cet determined	with	75 s: 75 s: 75 s: 75 NA
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	; ;	Size 5 1/ TOC NA Hole size Total depth Injection in	7 3067 terval	et determined	by	NA .
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V/4			DY A			
ubing size NA	lined v	with	NA (materi	al)		set in a
	NA		_ packer at	NA		feet
(brand and model		• •				
or describe any other c	asing-tubing s	scal).				·
Other Data						
l. Name of the injectio	n formation _					
2. Name of Field or Poo	1 (if applicat	ble) <u>Jalmat</u>				····
3. Is this a new well d	rilled for in	jection? /	7 Yes <u>/x</u>	7 No		
If no, for what purp				011.		
2, 110, 100		-	•			
4. Has the well ever be and give plugging de	en perforated tail (sacks o	in any othe f cement or	r zone(s)? bridge plug(List all such s) used) _Oil	perfor	ated interva
5. Give the depth to an this ores.	od name of any				is zone:	s (paols) in

UPERATOR	LEASE		
(Sinclair) Maralo	W.F.Hanagan		
WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
#1 330'FSL & 2310'FWL	12	25-S	36-E
Unit letter"N"			
		-	
Schematic	Tabuln	r Data	
•	Surface Casing		
Date Completed 10/3/34			
Status: P&A 6/18/81	Size <u>15 1/2</u> "	Comented with	50 sx.
	TOC Surface feet	determined by	circulated
Plugging:	· · · · · · · · · · · · · · · · · · ·		
Cleaned out hole to 98'top of 10 3/4'	Hole size		
csg.Bridge @675',fishing out junk.			
Cleaned out to 1500'. Top 7"@ 2447'.	Intermediate Casing		
Cleaned out to 2477'.Cleaned out to	Size 10	Cemented with	700 sx.
1500'.Cleaned out to 1500'.			
Cleaned out to 2800'. Picked up 2 3/8'	Tog. Tect	netermined by	
tbg. & tagged btm@ 3070'. Tagged cemer	Hole size 12 5/8		
plug @ 3070'.Loaded hole w/brine mud.Pickedup 2 3/8"tbg.to 3070'.			
Spotted 50 sx. cement w/2% CaCl2.	tong string		
Pld up to 2609'. Pumped 75 sx.	Size	Cemented with	125 sx.
cement w/2% CaCl2.Pld 20'jts.WOC	_		
5 hrs. POTT.Drlg.out to 1460'.	TOC <u>squeeze</u> feet	determined by	NA
Pumped 60 sx. cement 2% CaCl2 WOC 4 h	n#sle size 9 7/8		
hrs.Tried to tag.plugNo plug@			
1460'.Pumped 70 sx.cement 2% CaCl2	Total depth 3332		
POH. Tagged cement plug @1334'.Went	Injection interval		
in hole to 1166'.Pmpd.50sx. cmt.	_		
2% CaCl2, pulled up to 124'. Pumped 200 sx cmt.2% CaCl2 cmt.circ.	3300 feet to	3320	_ feet
Pumped 200 sx cmt.2% CaCl2 cmt.circ.	(perforated or open-hole, i	ndicate which)	
•			
•			•
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·			
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		•	
 Name of the injection formation 			····
2. Name of Field or Pool (if applies	able) Talmat		
•	·		
3. Is this a new well drilled for i	njection? /// Yes /X/	No	
If no, for what purpose was the	well originally drilled? (11	
i i i i i i i i i i i i i i i i i i i	, ,		
			····
4. Has the well ever been perforate	d in any other zone(s)? Lis	t all such perf	orated intervals
and give plugging detail (sacks	of cement or bridge plug(s)	used) <u>No</u>	
	u quantuina and/an	vi oil o=	non (monte) :=
Give the depth to and name of an this area.			ones (poots) in
CHIE GICH.			

OPERATOR	LEASE		
ARCO O & C Co.	W.F.Hanagan		
WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
#5 760'FSL & 2080'FWL	12	25-S	36-E
Unit letter"N" Schematic	Tohule		•
		r Data	
Date completed: 5/11/80	Surface Casing		250
Date completed. Jilly 00	Size 8 5/8 "		
Active Oil.	TOC <u>Surface</u> feet	determined by	Circulated
	Hole size		
	Intermediate Casing		
	Size <u>5 1/4</u> "	Cemented with	750 sx.
	TOC NA feet		
		_	
	Hole size		
	Long string		
C	Size2_7/8"	Cemented with	sx.
	TOC NA feet	determined by _	NA
	Hole sizeNA		
	Total depth 3200		
	Injection interval		
	2992 feet to (perforated or open-hole,	3042 indicate which)	. feet
•			
	•		
			•
·			
	•		
	•		
•			
Tubing size NA lined	with NA		set in a
	(material		
NA (brand and model)	packer at		reet
(or describe any other casing-tubing	seal).		
Other Data			
1. Name of the injection formation			
2. Name of Field or Pool (if applic	able) <u>Jalmat</u>		
3. Is this a new well drilled for i	njection? $\sqrt{7}$ Yes \sqrt{y}	No	
If no, for what purpose was the	well originally drilled? Oi	1	
4. Has the well ever been perforate	d in any other zone(s)? Lie		orated intervals
and give plugging detail (sacks	of cement or bridge plug(s)	used) NO	STOCOG ANGSIVAIS
5. Give the depth to and name of an	y overlying and/or underlyi	my oil or gas zo	nes (pools) in
this area.			

OPERATOR		LEASE		
Doyle Han	rtman	Etz		
WELL NO		SECTION	TOWNSHIP	RANGE
#2	2310'FNL & 430'FWL	. 7	25-S	37-E
Scl	hematic	<u>I</u>	abular Data	
•		Surface Casing	_	
Data Compl	eted; 10/18/78	Size 8 5/8	" Cemented wit	h250 sx.
•	•	TOC <u>Surface</u>		
Activ	e Oil	Hole size12		
		Intermediate Casing		
		Size	" Cemented wit	h ex
		TOC		
		Hole size		
		Long string		750
		Size 5 1/2		<u> </u>
		TOC		
		Hole size 77		
		Total depth 3560		
	•	Injection interval		
		2874 feet to the company of the comp	10 <u>3233</u>	_ feet
		(Yates-Seven Rivers		
				•
	•		•	
7 1 1	1;	ned with		set in a
lubing siz	е 11	(mate	erial)	
(b)	rand and model)	packer a	ıt	feet
	be any other casing-tub	ing scal).		
Other Dala	<u>!</u>		•	
1. Name o	of the injection formati	on		-W
2. Name o	of Field or Pool (if app	licable) Jalmat		
3. Is thi	s a new well drilled fo	r injection? /7 Yes	<u>/</u> X∕ No	
If no,	for what purpose was t	he well originally drilled	i? <u>0i1</u>	
•	· · · · · · · · · · · · · · · · · · ·			
4. Has th and gi	ne well ever been perfor ive plugging detail (sac	ated in any other zone(s)? ks of cement or bridge plo	? List all such per ug(s) used) <u>No.</u>	forated intervals
5. Give t	•	any overlying and/or unde	rlyimy oil or gas z	ones (pools) in
				

OPE	RATOR		LEASC			
Dalo	ort (Humble))	Clydia C. Wi	nters.etal	"B	
		DOTAGE LUCATION	SECTION		TOWNSHIP	RANGE
		30'FSL&660'FWL	7		25-S	37-E
Unit	Schematic			7-5-1-		
	<u>Stremntic</u>	<u>:</u>		Tabula	r vata	
			Surface Casing			
Date	Completed:	3/15 /5 1	Size 8 5/8			
Stat	us: Active		TOC <u>Surface</u>	feet	determined by	Circulated
			Hole size	11"		
			Intermediate Cas	ing		
					Cemented with	sx.
						
			Hole size			
			Long string			
			Size <u>5 1/2</u>	1)	Cemented with	_900sx.
			TOC	feet	determined by	
			Hole size			
			Total depth	3034		
			•			
			Injection interva			
			2950 (perforated or or	feet to <u>3</u> con-hole, i	034 .ndicate which)	_ feet
			,			
		÷				
		•				•
				•		
					•	
•		``			·	
Tubi	ing size	NA line	d with	NA (material)		set in a
		NA	pac			feet
	•	nd model)				
(or	describe any	other casing-tubin	g seal).			
Othe	er Data					
1.		injection formation				
2.	Name of Fiel	d or Pool (if appli	cable) Jalmat			
3.	Is this a ne	w well drilled for	injection? /7 Ye	es <u>/X</u> 7	No	
	If no, for w	hat purpose was the	well originally di	rilled? <u>O</u>	1.Re-classed	to Gas, then
•	re-class to	o 0il 3/1/74				
4.		ever been perforat gging detail (sacks	ed in any other zor	ne(s)? Lis	t all such per	forated intervals
	and give plu	gging detail (sacks	of coment or bride	ge plug(s)	used) NO	
5.		th to and name of a	ny overlying and/o	r underlyi	oil or gas zo	ones (pools) in
	this area					
				 ,		

OPERATOR	LLASC		
Worldwide Energy Corp.	E.J.Wells		
WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
#1 2310'FNL & 990'FEL	12	25-S	36-E
Unit Letter"H"			
Schematic		Tabular Data	
	Surface Casing	·	
Date Completed 4/25/52	Size 9 5/8	_ Cemented with	325 sx.
T & A Status	TOC NA	feet determined by	NA
	Hole size NA		
	Intermediate Casing		
		_" Cemented with	
	TOC <u>NA</u>	_ feet determined by _	NA
	Hole size NA		
	Long string		·
	Size	_" Cemented with	SX.
		_ _ feet determined by _	
	Hole size		
	Total depth3059		
			
	Injection interval		
	2950 feet (perforated or open-	to 3059 hole, indicate which)	feet
-	•	, , , , , , , , , , , , , , , , , , , ,	
	•		
•		•	
		•	
•		•	
Tubing size <u>NA</u> lined	with NA	terial)	set in a
(brand and model)	packer	at NA	feet
(or describe any other casing-tubing	seal).		
Other Data			
1. Name of the injection formation			
2. Name of Field or Pool (if applic			
•			
			
If no, for what purpose was the	well originally drill	eq? <u>Ull</u>	
4. Has the well ever been perforate and give plugging detail (sacks	d in any other zone(s of cement or bridge p)? List all such perfo lug(a) used) No	orated intervals
5. Give the depth to and name of an	v overlying and/or un-	derlyign oil or one re-	aca (nunla) in
	y bverrying and/or und		100 (p0075) III
		-	

OPERATOR		LENSE	·	-
Tenneco Oil	L Co.	E.J.Wells		
WELL NO #1	FOOTAGE LOCATION 2310'FNL &2310'FWL	SECTION 12	TOWNSHIP	RANGE
		12	25-S,	36-E
Unit letter Scho	ematic		Jabular Data	•
	- 	Surface Casing		
Date comple	eted 7/5/52	Size 12 1/2	" Cemented wi	th 200
•	84,still active.	TOC surfaces		
		Hole size	feet determined b	y <u>circulation</u>
		note size		
		Intermediate Casin	<u>a</u>	
		Size 9 5/8	Cemented wi	
		TOC surface	feet determined b	y circulation
	·	Hole size		
		Long string	•	
		Size5 1/2	Cemented wi	th 100 sx.
			feet determined b	
		Hole size 7		
		Total depth	3346	
			3310	
		Injection interval		
		2924 fee	et to <u>3051</u> n-hole, indicate which	feet
•	•	•	·	
		•		
`				
	٠,			
	,			1
Tubing size	lined	with(n	naterial)	set in a
- (br	and and model)	packe	er at	feet
	e any other casing-tubing	seal).		
Other Data				
	the injection formation			
	Tield or Pool (if applic			
•	a new well drilled for i			
	for what purpose was the			
4. Has the	e well ever been perforate re plugging detail (sacks	ed in any other zone of cement or bridge	(s)? List all such popular plug(s) used) <u>-No.</u>	erforated intervals
5. Give th	ne depth to and name of an	y overlying and/or u	inderlying oil or gas	zones (poels) in
				

OPERATOR		LLASE		
Tenneco WELL NO. 1	OUTAGE EDUCATION	E.J.Wells	•	
		SECTION 12	10WNSHIP 25-8	RANGE
Unit Letter"G"	310'FNL & 2310' FEL	12	25-S	36-E
Schemati	<u>c</u>		Tabular Data	
•		Surface Casing		
Date Completed 1		Size 16	" Comented wi	th 200 sx.
This well was co oil well, but af			feet determined b	
allowable was ca	nceled and well			,
	or secondary recove well is a SWD well			
P1		Intermediate Casing		
		N A	" Cemented wi	N A
		101	feet determined b	у
		Hole size NA		
		Long string		
		Size	_" Comented wi	th sx.
		тос		
		Hole size		
		Total depth 3:	372	
		Injection interval		
		feet (perforated or open-	to hole, indicate which	feet
	•	•		
	•			
·				
	•,,			
Tubing size	NA lined	with 1	NA.	set in a
Tubing size	NA 111160	(ma	terial)	
(brand	NA and model)	packer	at <u>2800¹+</u>	feet
•	y other casing-tubing	seal).	•	
Other Data				
1. Name of the	injection formation			
2. Name of Fie	ld or Pool (if applic	oble) Jalmat		
•	ew well drilled for i		·	
	what purpose was the			allowable was
	well was to held f			DIII WAS
	l ever been perforate			erforated inturvals
4. Has the wel and give pl	ugging detail (sacks	of cement or bridge p	lug(s) used)	
		<u> </u>		
5. Give the de	pth to and name of an	y overlying and/or un	derlyim oil or gas	zones (pools) in
this oren.				

LEASE

OPERATOR

Sinclair O & G Co.	F. Hanagan	· · · · · · · · · · · · · · · · · · ·	¥		
WELL NO. FOOTAGE LOCATION FWL	SECTION		TOWNSHIP	RANGE	
#2 2310 FSL & 2310 FNL	12		25S	36-E	
Init letter "K" Schematic		Tabular	n Data		
		100101	- Vatta		
	Surface Casing		_		
Pate Completed; 1/9/35	Size15_1/2				
% A 12/13/79	TOC Surface		determined by	Circulated	
lugging	Hole size 19	 -			
	Intermediate Casing				
Top of plug 10'.Drlg. & cleaned	Y ize <u>10</u>	**	Cemented with	600	
out to 150'. Drlg. & cleaned out boards & junk				*	_
to 180'. Drlg.2' 8 3/4"hole.	Hole size		·	officaracea	
Cleaned out 7" csg.from 2300'- 2683'.Mixed mud & conditioned		·			
hole.Spotted 40 sx.plug from	Long string	•	•		
2683'-2596',87'plug.Shot 60 sx.	Size 7	_"	Cemented with	375	
2240'.Tagged @2190',top of 7" csg.Spotted additional 40 sx.@	TOC NA	feet	determined by	NA	
2190'.Tag-No plug.Spot 30 sx.	Hole size 9	5/8	·		
plug@ 1500' tag. Spot75 sx.plug @1500'-tag.No plug.	Total depth 3347				
Spotted 75 sx. plug @ 1500'-					
tag @1342'(158'plug.) Spot,50 sx.	•		•		
plug @1150 to 1050'.Spot 150 sx. plug @ 200'. POH.Pumped 60 sx.	3158 feet (perforated or open-	to hole, i	3162 ndicate which)	_ feet	
- brough cement to surface.					
				•	
	:				
·			•		
	•				
٠.		•			
m	with	NA		set in	a
Tubing size NA lines					
Tubing size NA lined	(ma'	terial)			
NA (brand and model)	(ma'	terial) at	Na		
	(ma packer	terial) at	Na		
NA (brand and model)	(ma packer	terial) at	Na		
NA (brand and model) (or describe any other casing-tubing	(ma packer seal).	at	Na		
NA (brand and model) (or describe any other casing-tubing Other Data	(ma packer seal).	at	Na		
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of field or Pool (if applied)	seal).	at	Na		
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of field or Pool (if applie) 3. Is this a new well drilled for i	(ma- packer seal). able) Jalmat njection? /// Yes	at	Na No		
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of field or Pool (if applied)	(ma- packer seal). able) Jalmat njection? /// Yes	at	Na No		
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of field or Pool (if applie 3. Is this a new well drilled for i If no, for what purpose was the 4. Has the well ever been perforate	(mapacker packer seal). able) Jalmat njection? /// Yes well originally drilled in any other zone(s	/X/ ! ed? <u>Oil</u>	Na No L t all such perf	feet	
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of field or Pool (if applic 3. Is this a new well drilled for i	(mapacker packer seal). able) Jalmat njection? /// Yes well originally drilled in any other zone(s	/X/ ! ed? <u>Oil</u>	Na No L t all such perf	feet	·va
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of field or Pool (if applie 3. Is this a new well drilled for i If no, for what purpose was the 4. Has the well ever been perforate	(mapacker packer seal). able) Jalmat njection? /// Yes well originally drilled in any other zone(s	/X/ ! ed? <u>Oil</u>	Na No L t all such perf	feet	·va
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of field or Pool (if applie 3. Is this a new well drilled for i If no, for what purpose was the 4. Has the well ever been perforate and give plugging detail (sacks	main packer seal). Table) Jalmat njection? /// Yes well originally drilled in any other zone(s of cement or bridge p	/\overline{X} ! ed? Oil	No L t all such perf used) <u>NO</u>	orated inter	
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of field or Pool (if applie 3. Is this a new well drilled for i If no, for what purpose was the 4. Has the well ever been perforate	main packer seal). able) Jalmat njection? /// Yes well originally drilled in any other zone(s of cement or bridge party overlying and/or units and seal of the se	/\overline{X} ed? Oi) 1. Ois lug(s) of the original of the	No L t all such perfused) NO	orated inter	

LEASE

OPERATOR

Worldwide Energy, Corp. WELL NO. 1001AGE LOCATION	E.J.Wells SECTION	TOWNSHIP	RANGE
#2 990'FNL & 990'FEL	12	25-S	36-E
Unit letter"A"			
Schematic		Tabular Data	
•	Surface Casing		
Date Completed 1/9/35	Sizo 9 5/8	" Cemented wit	h 350 sx.
Active Gas as of this year.	TOC NA	feet determined by	NA
		A	
	Intermediate Casing		·
	Size <u>5 1/2</u>	" Cemented wit	n <u>450</u> sx.
	TOC NA	feet determined by	NA
	Hole size	NA	,
	Long string	•	
	SizeNA	Cemented with) NA cv
		feet determined by	
	Hole sizeN		MA
	Total depth <u>3032</u>		
	Injection interval		
	2809 feet	t to <u>3032</u> -hole, indicate which)	feet
•			
•			
•			•
			•
			•
			•
			•
			•
Tubing sizeNAlined	with <u>NA</u>	oterial)	set in a
Tubing size <u>NA</u> lined	(ma	oterial)	
Tubing size NA lined NA (brand and model)	(ma packes	eterial)	
Tubing size NA lined NA (brand and model) (or describe any other casing-tubing	(ma packes	eterial)	
NA lined NA (brand and model) (or describe any other casing-tubing) Other Data	macker packer seal).	rat <u>NA</u>	feet
NA lined NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation	(mackes	rat <u>NA</u>	feet
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of Field or Pool (if applied)	macker seal). soble) Jalmat	rat <u>NA</u>	feet
NA lined NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of Field or Pool (if applied) 3. Is this a new well drilled for in	macker seal). able)	rat <u>NA</u>	feet
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of Field or Pool (if applied)	macker seal). able)	rat <u>NA</u>	feet
NA lined NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of Field or Pool (if applied) 3. Is this a new well drilled for in	macker seal). sable)	r at NA X7 No led? Gas s)? List all such per	feet
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of Field or Pool (if applie 3. Is this a new well drilled for it If no, for what purpose was the 4. Has the well ever been perforate	macker seal). sable)	r at NA X7 No led? Gas s)? List all such per	feet
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of Field or Pool (if applie 3. Is this a new well drilled for it If no, for what purpose was the 4. Has the well ever been perforate and give plugging detail (sacks)	max packer seal). sable)	Aterial) That NA NA NA No Led? Gas Solve List all such per plug(s) used) NO	feet forated intervals
NA (brand and model) (or describe any other casing-tubing Other Data 1. Name of the injection formation 2. Name of Field or Pool (if applie 3. Is this a new well drilled for it If no, for what purpose was the	mat packer packe	Aterial) That NA NA NA No Led? Gas Solve List all such per plug(s) used) NO	feet forated intervals

OPERATOR		LLASE		······································	
	Energy, Corp.	E.J.We			
· · · · · · · · · · · · · · · · · · ·	FOOTAGE LOCATI 1650'FNL & 330		CTION 12	TOWNSHIP	RANGE 36-E
Unit Letter		PEL	12	25-S	30-E
	nematic		Y = 1		•
,	TEMA ETC	fun fara C		oular Data	
Date Comp	leted 7/20/83	Surface Ca			
Active Oi					with Ready Mix sx.
		TOC Surf		feet determined	by Circulated
		Hole size			·
		Intermedia	ate Casing		
		Size 10	3/4 "	Cemented i	aith <u>225</u> sx.
		TOC	f	feet determined	by
		Hole size	12 1/4		
		<u>Long</u> strir			·
			<u></u>		400sx 50-50
					ith 400sx.,50-50 sx.
					by
•			8 3/4		-
	•	Total dept	th <u>3855</u>		-
		Injection	interval		
	•	3306	fect to	3393	fee t
		(perforate	d or open-hol	e, indicate whi	ch)
		•			
		•			
		•	,		,
					•
				_	
	• •		•		
	27.4	1:			set in a
lubing size	e <u>NA</u>	lined with	NA (mater	ial)	set in a
	NA rand and model)		packer at	<u>NA</u>	feet
	rand and model, be any other casin	n-tubing scal).			
Other Data	·				
	f the injection fo	rmation			
		f applicable)			······································
•				77 No	
		ed for injection?		<u>X</u> / No	
If no,	for what purpose	was the well origin	ally drilled?	OIL	
4. Has th	e well ever been p	erforated in any ot (sacks of cement o	her zone(s)? r bridge plug	List all such (s) used) No	perforated intervals
and gr	re hardbrid neres		, , . .		

			nn#1==	1ina = 13	
5. Give t this s		me of any overlying	ana/ or u nder	ryang oil or ga	a zones (pools) in

OPERATOR	LLASC	··		**************************************	
ARCO O & G Co. WELL NO. FOUTAGE LOCATION	W.F.Hanagan				
	SECTION		TOWNSHIP	RANGE	
	12	··.	25-S	36-E	
Unit letter"K" Schematic		Tabula	- D. L.	•	
·	£	Tabula	<u>r vata</u>		
	Surface Casing	•			
	Size <u>13 3/8</u>				sx.
SWD Well	TOC <u>Surface</u>		determined by	Circulated	
Date completed 3/23/53 Completed as Gas well 12/10/53	Hole size Intermediate Casing				
Converted to SWD well		•		500	
1/30/70	Size 7				sx
	TOC Surface	<u>-</u>	determined by	Circulated	
	Hole size	8 3/4			
	Long string				
	Size <u>2 3/8</u>		Cemented with	NA	sx.
	TOC NA				
	Hole size				
	Total depth		· · · · · · · · · · · · · · · · · · ·		
	Injection interval				
	2892 feet (perforated or open-	t to	2914	feet	٠
•			Marcace William		
	•				
	•				
``		•			
2.242					
Tubing size 2 3/8 lines	with EUE 8 rd inter (ma	nally paterial)	lastic coated	tub. set in	а
T <u>ension type packer</u> (brand and model)	packet	at2	881.58	feet	
(or describe any other casing-tubing	seal).				
Other Data	,				
1. Name of the injection formation					
2. Name of Field or Pool (if applic				· · · · · · · · · · · · · · · · · · ·	
3. Is this a new well drilled for i		/ <u>X</u> /			
If no, for what purpose was the	well originally drill	led? Gas	· · · · · · · · · · · · · · · · · · ·		
			·····		
4. Has the well ever been perforate and give plugging detail (sacks	ed in any other zone(s of cement or bridge p	s)? Lis. olug(s)	t all such perf used) <u>-Perf 31</u> (orated inte 05-3130	rvals
Plugged off Oil & water, re-per	rforated & re-comple	ted as	Gas_well/		
5. Give the depth to and name of arthic area.	ny overlying and/or u	nderlyim	g oil or gas zo	nes (pools)	in
					

OPERATOR	LEASE			
Sinclair) Maralo	W.F.Hana	gan		
WELL NO. TOUTAGE LOCATION	SECT		TOWNSHIP	RANGE
#1 330'FSL & 2310'FWL	12		25-S	36-E
nit letter"N"			•	
Schematic		Tab	ulor Data	
ate Completed 10/3/34	Surface Cas	ing		•
tatus: P&A 6/18/81	Size <u>15 1</u>	/2"	Cemented v	vith 50s
lugging:	TOC Surfa	ce f	eet determined	by circulated
leaned out hole to 98'top of 10 3/4	"Hole size	19"		
sg.Bridge @675',fishing out junk. leaned out to 1500'. Top 7"@ 2447'.				
leaned out to 2477'.Cleaned out to 500'.Cleaned out to 1500'.		#	Cemented v	ith 700
leaned out to 2800'.Picked up 2 3/8	3"fbe	f	eet determined	by
bg. & tagged btm@ 3070'.Tagged ceme lug @ 3070'.Loaded hole w/brine	ent Hole size	12 5/8		•
ud.Pickedup 2 3/8"tbg.to 3070'. potted 50 sx. cement w/2% CaCl2.	Long string			
1d up to 2609'. Pumped 75 sx.	Size 7	11	Cemented w	ith 125
ement w/2% CaCl2.Pld 20'jts.WOC			eet determined	
hrs. POTT.Drlg.out to 1460'. umped 60 sx. cement 2% CaCl2 WOC 4				
rs.Tried to tag.plugNo plug@ 460'.Pumped 70 sx.cement 2% CaCl2	_			
OH.Tagged cement plug @1334'.Went n hole to 1166'.Pmpd.50sx. cmt.	Injection in	iterval	•	
% CaCl2, pulled up to 124'.	3300	feet to	3320	feet
umped 200 sx cmt.2% CaCl2 cmt.circ.	(perforated	or open-hole	e, indicate whi	ch)
		,		
			•	
•			•	
Tubing size NA lined	l with	NA		set in a
		(materi		
NA (brand and model)		_ packer at	NA	fect
(or describe any other casing-tubing	seal).			
Other_Data				
1. Name of the injection formation				
<u></u>				
2 Name of Field or Pool (if applie	able) z-z			
2. Name of Field or Pool (if applie	• • • • • • • • • • • • • • • • • • • •		77 N.	
3. Is this a new well drilled for i	injection? /	7 Yes <u>/X</u>	7 No	
3. Is this a new well drilled for i	injection? /	7 Yes <u>/X</u>	7 No	
3. Is this a new well drilled for i	well original	7 Yes /X ly drilled?	7 No Oil List all such	

LEASE

OPERATOR

ARCO O & O C	Co. FOOTAGE LOCATION	W.F.Hanag				
#5	760'FSL & 2080'F	SLCT WL 12		TOWNSHIP	RANGE	
Unit letter'		WL 12		25-S	36-E	
	ematic		Tabula	er Data	•	
•		Surface Cas	 ing •			
Date complet	ted: 5/11/80	Size 8	5/8 "	Cemented with	350	sx.
Active Oil.				determined by		_
Active Oil.			12 1/4	•	VII CUITALEA	
			•			
		Intermediat				
		Size 5	1/4"	Cemented with	750	s x
		TOC NA	fect	determined by	NA NA	
		Hole size	7 7/8			
		<u>Long</u> string	·			
		· · · · · · · · · · · · · · · · · · ·	•	Cemented with		sx
				determined by		
•			NA NA	•		·
			3200			
		Injection i	nterval	•		
		2992 (perforated	or open-bole.	3042 indicate which)	_ feet	
				indicate milen,		
•						
		•	-			
			•			
	·			•		
				•		
	•					
Tubing size	NA	lined with	NA (material	· -	set in	а
	NA				feet	
•	and and model)					
	e any other casing-t	ubing sear).				
Other Data						
	the injection forma			····		
•	Field or Pool (if a					
	a new well drilled					
If no,	for what purpose was	the well origina.	lly drilled? <u>Oi</u>	1		
4. Has the	well ever been perf e plugging detail (s	orated in any other	er zone(s)? Lis	st all such perf	orated inter	rvals
ana giv	e proggrag decarr (S	dend of comette of	aujo prug(s)	1000/ 100		
						
					,	
	e depth to and name ea,				ones (pools)	3 U

PERATOR			LEASE		
Maralo, Inc			Jalmat Yates Unit		
•	FOUTAGE LOCATION		SECTION	TOWNSHIP	RANGE
7	990' FSL & 1650'	FEL	12	25S	36E
Schema	stic		*	nbular Data	•
·			_	abblat vata	
			Surface Casing .		
			Size 10 3/4		
			TOC Surface	•	by observation
			Hole size 12 1/4		•
	;		Intermediate Casing		
			Size	Cemented s	ıith :
			тос		
			Hole size		
			•		-
		•	Long string		
			Size <u>5 1/2</u>		
			TOC	feet determined	by
•		,	Hole size		
	·		Total depth30)79	_
			Injection interval		
				.o3073	. Cant
	. •	τ°.	(perforated or open-ho	le, indicate whi	ch)
			•		
	•			1	
	,	•	•	1	
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			•	•	
				•	
	· . ·			•	
				•	
bing size _		lined	withplastic_co	rial)	set in a
Baker AD -	2 3/8" l nickel plated	lined	with <u>plastic cc</u> (mate	rial)	set in a
Baker AD - :	2 3/8" l nickel plated		(mate packer a	rial)	
Baker AD - (bran	2 3/8" l nickel plated		(mate packer a	rial)	
Baker AD — (bran or describe ther Data	2 3/8" l nickel plated d and model) any other casing-t	ubing	(mate packer a scal).	rial)	
Baker AD - (bran or describe ther Data Name of t	2 3/8" l nickel plated d and model; any other casing-t	ubing	(mate packer a scal). Yates	t2900'	
Baker AD - (bran or describe ther Data . Name of t	2 3/8" l nickel plated d and model) any other casing-t he injection forma	ubing tion	(mate packer a scal). Yates able) Jalmat Yates	t 2900'	
Baker AD (bran ar describe ther Data Name of the Name of for Is this a	2 3/8" l nickel plated d and model; any other casing-t he injection formaticld or Pool (if a	ubing tion pplic	(mate packer a scal). Yates able) Jalmat Yates njection? /// Yes	2900' t	
Baker AD (bran ar describe ther Data Name of the Name of for Is this a	2 3/8" l nickel plated d and model; any other casing-t he injection formaticld or Pool (if a	ubing tion pplic	(mate packer a scal). Yates able) Jalmat Yates	2900' t	
Baker AD (bran or describe ther Data Name of the Name of for Is this a	2 3/8" l nickel plated d and model; any other casing-t he injection forma ield or Pool (if a	ubing tion pplic	(mate packer a scal). Yates able) Jalmat Yates njection? /// Yes	2900' t	
Baker AD - (bran or describe ther Data Name of the Name of four following for the state of the s	2 3/8" l nickel plated d and model; any other casing-t he injection forma ield or Pool (if a new well drilled r what purpose was	ubing tion pplic for it	yates Yates Jalmat Yates mjection? /// Yes well originally drilled	t 2900' No ir oil	perforated interva
Baker AD - (bran or describe ther Data Name of the Name of four four four four four four four f	2 3/8" l nickel plated d and model; any other casing-t he injection forma ield or Pool (if a new well drilled r what purpose was	ubing tion pplic for it	yates Talmat Yates Total originally drilled	t 2900' No ir oil	perforated interva
Baker AD - (bran or describe ther Data Name of the Name of four four four four four four four f	2 3/8" l nickel plated d and model; any other casing-t he injection forma ield or Pool (if a new well drilled r what purpose was	ubing tion pplic for it	yates Yates Jalmat Yates mjection? /// Yes well originally drilled	t 2900' No ir oil	perforated interva
Baker AD — (bran or describe ther Data Name of t Name of f Is this a If no, fo Has the w and give	2 3/8" I nickel plated d and model; any other casing-t he injection forma ield or Pool (if a new well drilled r what purpose was ell ever been perf plugging detail (s	ubing tion pplic the for its	yates yates able) Jalmat Yates njection? /// Yes well originally drilled d in any other /one(s)? of cement or bridge pla	t 2900' X No Y oil List all such ag(s) used)n	perforated interva
Baker AD — (bran or describe ther Data Name of t Name of f Is this a If no, fo Has the w and give	2 3/8" I nickel plated d and model; any other casing-t he injection forma ield or Pool (if a new well drilled r what purpose was ell ever been perf plugging detail (s	obing tion police for it the contest of an	yates Yates Talmat Yates	t 2900' X No Y oil List all such ag(s) used)n	perforated interva

9 400' FSL & 1000' FEL Schematic	Intermediate Casin Size TOC Hole size Long string Size 5 1/2 TOC - Hole size Total depth Injection interval	feet " feet 7 7/8" 3557	Cemented with determined with determined	by Observation with with	s:
9 400' FSL & 1000' FEL Schematic	Surface Casing Size 8 5/8 TOC Surface Hole size 1: Intermediate Casin Size	feet 1" feet 7 7/8" 3557	25-S r Dota Cemented watermined Cemented watermined Cemented watermined	36-E with 200 by Observation with 1200 by	s:s:
<u>Schematic</u>	Surface Casing Size 8 5/8 TOC Surface Hole size 1: Intermediate Casin Size TOC Hole size Long string Size 5 1/2 TOC - Hole size Total depth Injection interval 2971 fe	feet 1" feet 7 7/8" 3557	r Data Cemented watermined Cemented watermined Cemented watermined	with	s:s:
	Size 8 5/8 TOC Surface Hole size 1: Intermediate Casin Size TOC	feet 1" feet 7 7/8" 3557	Cemented watermined Cemented watermined Cemented watermined	by Observation with with	s:s:
	Size 8 5/8 TOC Surface Hole size 1: Intermediate Casin Size TOC	feet 1" feet 7 7/8" 3557	Cemented watermined Cemented watermined Cemented watermined	by Observation with with	s:s:
	Size 8 5/8 TOC Surface Hole size 1: Intermediate Casin Size TOC	feet 1" feet 7 7/8" 3557	Cemented with determined with determined	by Observation with with	s:s:
	Hole size 1: Intermediate Casin Size TOC Hole size Long string Size 5 1/2 TOC - Hole size Total depth Injection interval	feet 1" feet 7 7/8" 3557	Cemented with determined with determined	by Observation with with	s:s:
	Hole size 1: Intermediate Casin Size	feet 7 7/8" 3557	Cemented watermined	th	s
	Intermediate Casin Size TOC Hole size Long string Size 5 1/2 TOC - Hole size Total depth Injection interval	feet 7 7/8" 3557	Cemented with determined	by	s:
	Size TOC Hole size Long string Size 5 1/2 TOC - Hole size Total depth Injection interval	feet 7 7/8" 3557	Cemented with determined	by	s:
	Hole size Long string Size 5 1/2 TOC - Hole size Total depth Injection interval	feet 7 7/8" 3557	Cemented with determined	by	s
	Hole size Long string Size 5 1/2 TOC - Hole size Total depth Injection interval 2971 fe	fect 7 7/8" 3557 eet to en-hole, i	Cemented with determined	with 1200 by -	s
	Long string Size 5 1/2 TOC - Hole size Total depth Injection interval	feet 7 7/8" 3557 eet to en-hole, i	Cemented with determined	by	
	Size 5 1/2 TOC - Hole size Total depth Injection interval 2971 fe	7 7/8" 3557 eet to en-hole, i	determined	by	
	Hole size Total depth Injection interval 2971 fe	7 7/8" 3557 eet to en-hole, i	determined	by	
	Hole size Total depth Injection interval 2971 fe	7 7/8" 3557 eet to en-hole, i	determined	by	
	Hole size Total depth Injection interval 2971 fe	7 7/8" 3557 set to en-hole, i	3044	- · feet	
	Total depth Injection interval 2971 fe	3557	3044	feet	
	Injection interval	eet to en-hole, i	3044 indicate whi	feet	
	2971 fe	eet toen-hole, i	3044 indicate whi	feet	
		en-hole, i	3044 indicate whi	ch) feet	
	tperiorated or ope	·	indicate whi	ch)	
	· -	1			
`,					
ubing size 2 3/8" lined				set in	าอ
Baker Model AD l	pack:	material) er at			,
(brand and model)					•
or describe any other casing-tubing	scal).				•
ther Data					
. Name of the injection formation _	Yates				
. Name of Field or Pool (if applica	ые)Jalmat Yat	tes			
. Is this a new well drilled for in	jection? /7 Yes	<u>/X7</u>	No		
If no, for what purpose was the w	ell originally dri	11ed?	oil		
. Has the well ever been perforated	in any other zone	·(5)? lis	st all such	perforated into	erva
 Has the well ever been perforated and give plugging detail (sacks of the plugging detail) 	f cement or bridge	plug(s)	used) 306	69 - 3184	
			,		
6. Give the depth to and name of any this area. <u>Seven Rivers (now de</u> r		underlyit	g oil or ga	s zones (pools) in

OPERATOR		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	LEAS	ic .	·•		····	
Maralo, Inc									
WELL NU.	•	HAGE LOCA			SECTION		TOWNSHIP	RANGE	
6	960.	FSL & 42	5 FEL	·	12		25S	36E	
Schem	ntic					Tabula	r_Dota	•	
•				Surface	Casing	•			
				Size 1	0 3/4	11	Cemented with	300	SX
							determined by		
						2 1/4			
				Interme	diate Casi	ina			
							Cemented with		_
							determined by		
					ze		determined by _		
			·	•			·····		
				Long st					•
							Cemented with		s
							determined by _		
			4			2002	· · · · · · · · · · · · · · · · · · ·		
				Total d	epth	2983			
				Injecti	on interva	1			
				Tearfor	f	eet to	ndicate which)	feet	
			14 <u>2</u> 1	(perior	eceo or op	en-noic, i	ndicate which)		
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					-				
-									
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		2 2/0	• .		ml nati				
ubing size _		2 3/0	11ne	0 WITH	prasci	(material)		set in	1 a
Baker M		AD 1			pac	ker at	2914	feet	t
or describe			ing-tubin	g seal).					
ther Data									
. Name of	the i	njection :	formation	Yat	es				
. Name of f	Field	or Pool	(if appli	cable) Jal	mat Yates	5			
. Is this	a new	well dri	lled for	injection'	? <u>/</u> 7 Ye	s <u>/x</u> 7 1	٧o		
If no, fo	or wh	at purpos	e was the	well orig	jinally dr	illed?	oil		
. Has the a	well plug	ever becn ging deta	perforat il (sacks	ed in any of cement	other zon t or bridg	c(s)? Lis e plug(s) (t all such perforsed) — none	orated into	erva.
						· · · · · · · · · · · · · · · · · · ·			
. Give the		h to and i	name of a	ny overly:	ing and/or	underlyin	g oil or gas zon	nes (pools)) in
		even River	s (now d	epleted)					

INJECTION WELL DATA SHELT

Atlantic) (Sinclair Repollo) Gloyd Mill No. Filliant Lucialibn Sittin Boneship RANGE 2 2310 FSL 6 2310 FEL 12 258 36E Schematic	(Atlantic) (Sinclair Repollo	LEASE		
Schematic Industr Date Surface Casing Size 13 3/B Cescented with NA 100 size 13 3/B Cescented with NA 100 size 13 3/B Cescented with 100 size 10 3/4 Cescented with 100 size 10 3/4 Cescented with 100 size 10 3/4 Cescented with 100 feet determined by 100 size 10 3/4 Cescented with 100 feet determined by 100 size 100 feet determined by 100 feet to 100 feet	-			
Surface Casing Size 13.3/8 " Cemented with NA 100 surface feet determined by observation. 101	and the second s			
Size 13.3/B Comented with NA	<u>Schematic</u>		Inbular Data	•
Size 13.3/8 " Comented with NA 10C Surface feet determined by observation hole size Intermediate Casinn Size 10.3/4 " Cemented with TOC feet determined by hole size Long string Size 7" Cemented with TOC feet determined by Hole size Long string Size 7" Cemented with TOC feet determined by Hole size Long string Feet determined by Hole size Total depth 1325 Injection interval feet to (perforated or open-hole, indicate which) feet (perforated or open-hole, indicate which) feet this P & A; however, Maralo re-plugged on Pebruary 3, 1940 - a copy of C-103 is attached for your convenience. feet material feet feet material feet fe		Surface Casing		
Toc Surface feet determined by observation Hole size Intermediate Casing Size 10 3/4 " Cemented with Toc feet determined by Hole size Long string Size 7" " Cemented with Toc feet determined by Hole size Total depth 3325 Injection interval feet to feet determined by Hole size Total depth 3325 Injection interval feet to			" Cemented with	אוא ה
Mole size Intermediate Casing Size 10 3/4 " Cemented with Tot (eet determined by Hole size Long string Size 7" " Cemented with Tot feet determined by Hole size Total depth 3325 Injection interval (perforated or epen-hole, indicate which) feet feet (perforated or epen-hole, indicate which) feet		•		
Size 10 3/4 " Cemented with 100			•	ODDET VILLEDIT
Hole size Long string Size 7" " Cemented with TOC feet determined by Hole size Total depth 3325 Total depth 3325 Injection interval feet to (perforated or open-hole, indicate which) feet (perforated for your convenience. feet		Intermediate Casing		
Hole size Long string Size 7" " Cemented with TOC feet determined by Hole size Total depth 3325 Total depth 3325 Injection interval feet to (perforated or open-hole, indicate which) feet (perforated for your convenience. feet		Size <u>10 3/4</u>	Cemented with	י:
Hole size Lang string Size 7" " Commented with				
Size 7"	•			
Size 7" Commented with		Long string	•	
Hole size Total depth			" Comented with	
Hole size Total depth				
Injection interval feet to feet to (perforated or open-hole, indicate which)				
Injection interval feet to (perforated or open-hole, indicate which) This well was originally plugged and abandoned on October 1, 1942. We have no record of this P & A; however, Maralo re-plugged on February 3, 1980 - a copy of C-103 is intrached for your convenience. Indeed with (material) packer at feet (brand and model) or describe any other casing-tubing seal). There Data Name of the injection formation Name of field or Pool (if applicable) Is this a new well drilled for injection? Test No If no, for what purpose was the well originally drilled? Has the well ever been perforated in any other cone(s)? tist all such perforated internal give plugging detail (sacks of cement or bridge plug(s) used)	•			
This well was originally plugged and abandoned on October 1, 1942. We have no record of this P & A; however, Maralo re-plugged on February 3, 1980 - a copy of C-103 is attached for your convenience. Description				
This well was originally plugged and abandoned on October 1, 1942. We have no record of this P & A; however, Maralo re-plugged on February 3, 1980 - a copy of C-103 is attached for your convenience.		feet	to	feet
phing sizelined with		-		
phing sizelined with				
phing sizelined with			·	
packer at feet	· ·			
(brand and model) or describe any other casing-tubing seal). ther Data Name of the injection formation Name of Field or Pool (if applicable) Is this a new well drilled for injection? /7 Yes /7 No If no, for what purpose was the well originally drilled? Has the well ever been perforated in any other zone(s)? List all such perforated interested give plugging detail (sacks of cement or bridge plug(s) used)				
(brand and model) or describe any other casing-tubing seal). ther Data Name of the injection formation Name of Field or Pool (if applicable) Is this a new well drilled for injection? / Yes / No If no, for what purpose was the well originally drilled? Has the well ever been perforated in any other zone(s)? List all such perforated interested give plugging detail (sacks of cement or bridge plug(s) used)		d with		set in a
Name of the injection formation Name of field or Pool (if applicable) Is this a new well drilled for injection? /// Yes /// No If no, for what purpose was the well originally drilled? Has the well ever been perforated in any other zone(s)? List all such perforated interested give plugging detail (sacks of cement or bridge plug(s) used)				
Name of the injection formation Name of Field or Pool (if applicable) Is this a new well drilled for injection? /// Yes /// No If no, for what purpose was the well originally drilled? Has the well ever been perforated in any other zone(s)? List all such perforated interent give plugging detail (sacks of cement or bridge plug(s) used)	(brand and model)	packer		
Name of Field or Pool (if applicable) Is this a new well drilled for injection? /// Yes /// No If no, for what purpose was the well originally drilled? Has the well ever been perforated in any other zone(s)? List all such perforated interested give plugging detail (sacks of cement or bridge plug(s) used)	(brand and model)	packer		
Is this a new well drilled for injection? // Yes // No If no, for what purpose was the well originally drilled? Has the well ever been perforated in any other zone(s)? List all such perforated interested give plugging detail (sacks of cement or bridge plug(s) used)	(brand and model) or describe any other casing-tubin	g scal).	at	feet
If no, for what purpose was the well originally drilled? Has the well ever been perforated in any other zone(s)? List all such perforated interested give plugging detail (sacks of cement or bridge plug(s) used)	(brand and model) or describe any other casing-tubin	g scal).	at	feet
Has the well ever been perforated in any other zone(s)? List all such perforated interested interested plugging detail (sacks of cement or bridge plug(s) used)	(brand and model) or describe any other casing-tubin ther Data . Name of the injection formation	g scal).	at	feet
and give plugging detail (sacks of cement or bridge plug(s) used)	(brand and model) or describe any other casing-tubin ther Data Name of the injection formation Name of Field or Pool (if appli	packer g seal). 	at	feet
	(brand and model) or describe any other casing-tubin ther Data Name of the injection formation Name of Field or Pool (if appli	packer g seal). cable) injection? /// Yes		feet .
. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) :	(brand and model) or describe any other casing-tubin ther Data Name of the injection formation Name of Field or Pool (if appli Is this a new well drilled for If no, for what purpose was the	packer g seal). cable) injection? /// Yes well originally drill ed in any other zone(s	/7 No ed?)? List all such per	forated interva

TAPE N	MEXICO OIL CONSERVATION COMMISSI	Cold Cas Colds Effective 14-55
c.s.		Sa. Indicate Type of Lease
D OFFICE .		State Fee
RATOR	•	
AATOR		5. State Off & Gas Leose No.
		- Immedelimen
SUNDRY NOTICES A	ND REPORTS ON WELLS	
USE "APPLICATION FOR PERMIT -"	OR TO DEEPEN OR PLUC BACK TO A DIFFERENT RESTRYDIA. (FORM C-101) FOR SUCH PROPOSALS.	
OIL [•	7. Unit Agreement Name
VELL OTHER- P	& A	
te of Operator	•	E. Fam or Leuse Name
ralo, Inc. (Atlantic) (Sinclair F	epollo)	Cloud
iress of Operator -		9. Well No.
O. Box 832, Midland, Texas 797	02	
ction of Well		10. Field and Pool, or Wildcal
J 2310	NOM THE South LINE AND 2310 FEE	T 1
WIT LETTER J 2310 FEET F	ROM THE BUILTI LINE AND ZOTO FEE	TINOW Jalmat
East 12	25-5 36-5	
HE LINE, SECTION 12	TOWNSHIP 25-S RANGE 36-E	NMPM. (
mmmmm.	Cl I DE DE CD.	
//////////////////////////////////////	evation (Show whether DF, RT, GR, etc.) N.A.	12. County Lea
	N.A.	
Check Appropriate B	ox To Indicate Nature of Notice, Report of	or Other Data
NOTICE OF INTENTION TO		UENT REPORT OF:
,		
RM REMEDIAL WORK	LUG AND ARANDON RENEDIAL WORK	ALTERING CASING ,
TRARILY ADANDON	COMMENCE DRILLING OPHS.	Re-PLUG AND ABANDONMENT
\exists	HANGE PLANS CASING TEST AND CEMENT JOB	T Res too and an annual Ca
	OTHER	
		U

scribe Proposed or Completed Operations (Clearly	state all pertinent details, and give pertinent dates, inc	luding estimated date of starting any proposed
30-80 WIH w/2 7/8" tbg. open end 31-80 Tagged cement plug @ 2684' @ 2304. WOC 5 hrs. Pmpd 50 01-80 Tagged cement plug @ 2227' plug @ 1480'. Pmpd 75 sx 0 02-80 Tagged cmt. plug @ 1460'. Pmpd 25 sx cmt 2% CaCl2. P 2 7/8" tbg. Removed BOP. 03-80 Plugged top 13 3/8" csg. w	383'. Circ. hole clean. csg. OPen hole to 2580'. Washed to ed to 2873' Spotted 50 sx 2% CaCl 189' fill. Spotted 75 sx NE cmt sx cmt 2% CaCl2 Pumped 100 sx Cl. C 2% CaCl2 @ 14 1. C cmt. 2% CaCl2 @ 1480'. Pmpd 75 sx cmt 2% CaCl2. WOC 5 hrs ld. tbg to 1165. Pmpd 50 sx cmt 2%	Cement plug @ 2873'. 2% CaCl2. Tagged cement 490'. WOC 4 hrs. Tagged cmt. Tagged cmt. plug @ 1402. CaCl2. Pld and lay down all
`		
ereby certify that the information above is true and	complete to the best of my knowledge and belief.	
· · · · · · · · · · · · · · · · · · ·	D 1	
Frenda Collman	Production Clerk	6-18-81
	TITLE	DATE
TIONS OF APPROVAL, IF ANY:		
	and the second of the second o	
The state of the s		CONTRACTOR CARRIES

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INJUCTION WELL DATA SHEET

Maralo, Inc.	Jalmat Yates Unit		
ELL NO FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGL
WI 3 1550' FSL & 2500' FEL	12	258	36E
			•
Schematic		bular Data	
·	Surface Casing .		
	Size 8 5/8 "	Comented with	h <u>300</u> sx
•	Surface	feet determined by	Observation
	Hole size $12\frac{1}{4}$ "	·	
	Intermediate Casing		
	Size	Cemented with	n s
	TOC		
	Hole size		
	•		
	Long string		
	Size <u>4 1/2</u> "		
	TOC		
	Hole size		
	Total depth 349	96	
	Injection interval		
	2915 feet to open-hol	3163	feet
	(perforated or open-ho)	le, indicate which)	_
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ubing size <u>2 3/8"</u> linec	d withplastic_coated		set in a
ubing size <u>2 3/8"</u> lined Baker AD - l nickel plated	d with <u>plastic coate</u> c	28931	set in a
Baker AD - 1 nickel plated (brand and model)	d with <u>plastic coated</u> (mater packer at	28931	
Baker AD - 1 nickel plated (brand and model)	d with <u>plastic coated</u> (mater packer at	28931	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing	d with <u>plastic coated</u> (mater packer at	28931	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing	d with <u>plastic coated</u> (mater packer at	28931	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data . Name of the injection formation	d withplastic_coated (mater at packer at seal).	2893'	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data . Name of the injection formation . Name of Field or Pool (if applied	with <u>plastic coated</u> (mater packer at packer at year). Yates	2893'	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data . Name of the injection formation . Name of field or Pool (if applie	yates yates yates yates yates yates	2893' 	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data . Name of the injection formation . Name of Field or Pool (if applie) . Is this a new well drilled for	yates yates yates yates yates yates	2893' 	
(brand and model) or describe any other casing-tubing ther Data . Name of the injection formation . Name of field or Pool (if applie) . Is this a new well drilled for If no, for what purpose was the	yates Yates well originally drilled:	2893' 77 No 2 List all such per	feet
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data . Name of the injection formation . Name of field or Pool (if applied) . Is this a new well drilled for If no, for what purpose was the	yates Yates well originally drilled:	2893' 77 No 2 List all such per	feet
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data . Name of the injection formation . Name of field or Pool (if applied) . Is this a new well drilled for If no, for what purpose was the	yates Yates well originally drilled:	2893' 77 No 2 List all such per	feet
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data . Name of the injection formation . Name of field or Pool (if applie) . Is this a new well drilled for . If no, for what purpose was the . Has the well ever been perforate . and give plugging detail (sacks	yates withplastic coated (mater packer at packer	2893' /// No P List all such per po(s) used)	forsted interva
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data Name of the injection formation Name of field or Pool (if applied) Is this a new well drilled for If no, for what purpose was the	yates withplastic coated (mater packer at packer	2893' /// No P List all such per po(s) used)	forsted interva

INDECTION WELL DATA SHEET

	LEASC		
Maralo, Inc.	Jalmat Yates Unit	TOWNSHIP	RANGE
4 1440' FSL & 1150' FEL	12	25S	36E
1 11.0 10.0 11.30 11.0		230	
Schematic	<u> 1</u> :	nbular Data	:
•	Surface Casing .		
	Size 8 5/8	* Cemented wi	th 300 s
		feet determined b	
	Hole size 11"		,
	Intermediate Casing		
	Size	Consoled with	A.L.
	TOC		
	Hole size	reet determined h	y <u>-</u>
•	noie size		
•	Long string		
	Size $5\frac{1}{2}$	Cemented wi	th <u>800</u> s
	TOC	feet determined by	у
	Hole size7	7/8"	
	Total depth 350	00'	
	Injection interval		
	2917 feet t	3002	feet
	(perforated or open-ho	le, indicate which	<u>n)</u>
	•		
•		1	
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<u>-</u>			
		·	
	d withEIE_plastic	coated	set in a
bing size 2 3/8 line	" (mate	1002	
	~ (mate	1002	set in a
bing size <u>2 3/8</u> line Baker AD - 1 nickel plated (brand and model)	l packer a	1002	
Baker AD - 1 nickel plated (brand and model) r describe any other casing-tubing	l packer a	1002	
Baker AD - 1 nickel plated (brand and model) r describe any other casing-tubing	packer a	1002	
Baker AD - 1 nickel plated (brand and model) r describe any other casing-tubing her Data Name of the injection formation	packer a packer a yates	1002	
Baker AD - 1 nickel plated (brand and model) r describe any other casing-tubing her Data Name of the injection formation Name of Field or Pool (if appli	yates [matc] packer a yates	1002	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data Name of the injection formation Name of field or Pool (if appli	yates yates injection? /7 Yes	2883	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data Name of the injection formation Name of Field or Pool (if appliance) Is this a new well drilled for	yates yates injection? /7 Yes	2883	
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data Name of the injection formation Name of field or Pool (if appliance). Is this a new well drilled for 1f no, for what purpose was the	Yates Cable) Jalmat Yates injection? /7 Yes well originally drilled	77 No 3? oil	fect
Baker AD - 1 nickel plated (brand and model) or describe any other casing-tubing ther Data Name of the injection formation Name of field or Pool (if appliance) Is this a new well drilled for If no, for what purpose was the	Yates Cable) Jalmat Yates injection? /7 Yes well originally drilled	77 No 3? oil	fect
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Baker AD - 1 nickel plated (brand and model) r describe any other casing-tubing her Data Name of the injection formation Name of field or Pool (if appliance) Is this a new well drilled for If no, for what purpose was the	Yates Cable) Jalmat Yates injection? /7 Yes well originally drilled	77 No 3? oil	fect
Baker AD - 1 nickel plated (brand and model) r describe any other casing-tubing her Data Name of the injection formation Name of field or Pool (if appliance) Is this a new well drilled for If no, for what purpose was the	Yates Yates Yates Talmat Yates Injection? /7 Yes Well originally drilled and in any other zone(s)? The coment or bridge place The coment of bridge place	2883 /// No /// No /// No /// Oil // List all such pour (s) used)	erforated interva