

APPLICATION FOR AUTHORIZATION TO INJECT

CORRECTED REPORT

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? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-5816

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. 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.

* 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: Brenda Coffman Date: 12-8-82

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

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 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

OCTOBER 3, 1982

and ending with the issue dated

OCTOBER 3, 1982

Robert L. Summers
Publisher.

Sworn and subscribed to before

me this 3RD day of

OCTOBER, 1982

Synette Nagle
Notary Public.

My Commission expires _____

March 29, 1986
(Seal)

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
NOTICE OF PUBLICATION
PROVAL TO INJECT WATER FOR SECONDARY RECOVERY
Marado, Inc. of P. O. Box 832, Midland, Texas 79702, Telephone # 815-684-7441, has applied to the Oil Conservation Commission for a permit to inject water into the Jalmat Yates Unit Well #30, for the purpose of secondary recovery in the Jalmat Yates Unit. The well is located in the NE 1/4 of the SW 1/4 of Sec. 18, T. 25 S., R. 37 E, Lea County New Mexico; and is 2310' FS & WL of the section. Injection will occur at a depth of from 2822' to 3040' in the Yates formation; with a maximum injection rate of 100 B/D and a pressure of 1000 psi. Interested parties must file objections, or requests for hearing with the Oil Conservation Division, P. O. Box 200, Santa Fe, New Mexico 87501 within 15 days.

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R-36-E

R-37-E

MARALO, INC.
 JALMAT YATES WATER FLOOD UNIT

1/2 MILE RADIUS
 CIRCLE

DALPORT "E"

DALPORT "D"

TEXAS PACIFIC

SO. CALIF.
 RESERVE

PROPOSED
 INJECTION
 WELL

LEGEND

JALMAT WATER FLOOD UNIT BORDER

MARALO, INC.

PROPOSED CONVERSION
 OF WELL NO. 30 TO
 WATER INJECTION
 JALMAT WATER FLOOD
 UNIT
 LEA COUNTY, NEW MEXICO

DATE. 9-26-82

DRWN BY. R. N. WALDEN

SCALE. 1" = 1000

DRWG. NO. M-4583

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
MARALO, INC WI 31	1650'FSL & 1700'FWL	JALMAT YATES UNIT 18	T-25-S	R 37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 400 sx.TOC Circulated feet determined by ----Hole size 12 1/4"Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/2 " Cemented with 635 sx.TOC Circulated feet determined by ---Hole size 7 7/8"Total depth 3500'Injection interval2830' feet to 3210' feet
(perforated or open-hole, indicate which)Tubing size 2 1/16 lined with Plastic Coated set in a
(material)#45-B Model "AZ" Lok - Set packer at 2812' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Yates
- Name of Field or Pool (if applicable) JALMAT, YATES, SEVEN RIVERS,
- Is this a new well drilled for injection? ☐ Yes ☒ No *(water injector?)*
If no, for what purpose was the well originally drilled? Dual Gas & oil
- 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) 3092-3210', 500gals 15% NEA + 800 gals. 15% acid; 2775-3051', 250 gals 15% MCA, 4000 gals 15% MCA.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3052
QUEENS 3476

INJECTION WELL DATA SHEET

OPERATOR <u>MARALO, INC.</u>		LEASE <u>MARALO JALMAT YATES UNIT</u>		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
29	2310' FNL& 990' FWL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 10 3/4 " Cemented with 200 sx.TOC Circulated feet determined by ---Hole size 12"Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 7 " Cemented with 300 sx.TOC 1055 feet determined by Temp. surv.Hole size 8 3/4 "Total depth 2970'Injection interval2860' feet to 2970' feet
(perforated or open-hole, indicate which)Tubing size Not reported lined with (Not Reported) set in a
(material)Not Reported packer at ---- feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) JALMAT YATES, SEVEN RIVERS
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil Well
- 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 other work indicated
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR MARALO, INC LEASE JALMAT YATES UNIT
WELL NO. 25 FOOTAGE LOCATION 2500' FNL & 1550' FWL SECTION 18 TOWNSHIP R-25-S RANGE R-37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 250 sx.TOC Circulated feet determined by --Hole size 12 1/4Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 635 sx.TOC Circulated feet determined by ---Hole size 7 7/8Total depth 3500'Injection interval2858' feet to 3031' feet
(perforated or open-hole, indicate which)Tubing size 2 7/8 lined with Packer fluid set in a
(material)Dual Tension packer at 2761' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) JALMAT YATES, SEVEN RIVERS
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Gas Well
- 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) Set Iron Bridge Plug @3260' w/l sx cement on top: Set wireline bridge plug @3464' w/l sx cement on top.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3085
QUEEN 3310

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC.		MARALO JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
24	1980' FNL & 1980' FWL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 800 sx.TOC Circulated feet determined by ---Hole size 11'Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 175 sx.TOC Circulated feet determined by ----Hole size 6 3/4Total depth 3400'Injection interval2855' feet to 2935' feet
(perforated or open-hole, indicate which)Tubing size 5 1/2 lined with _____ set in a
(material)Baker Production Model D-5 packer at 3235' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) JALMAT YATES, SEVEN RIVERS
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? OIL WELL
- 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) Treated 3260-3400' w/2700 gals. chem. Pro. 15% type J acid. Swd. dry. no show fluid & very slight show gas. Put on Baker bull plug & nipple & closed Queen formation.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. QUEEN 3283

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC.		MARALO JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
23	1980' FNL & 660' FWL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 13 3/8 " Cemented with 200 sx.TOC Circulated feet determined by ---Hole size 15"Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/2 " Cemented with 200 sx.TOC Circulated feet determined by ---Hole size 7 1/4"Total depth 2983'Injection interval2880' feet to 2930' feet
(perforated or open-hole, indicate which)Tubing size 2" lined with Not reported set in a
(material)Brown H packer at 2836' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation
- Name of Field or Pool (if applicable) JALMAT YATES, SEVEN RIVERS
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? OIL WELL
- 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) Prod. interval open hole 2881'-2983:Frac. open hole w/ 15,000 gals. refined oil & 30,000 lbs.sand in 3 stages of 5000 gals.& 10,000 lbs each w/600 lbs oil soluble naphthalene between stages
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC		MARALO JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
22	1650'FNL & 330'FEL	13	T-25-S	R-35-E

SchematicTabular DataSurface CasingSize 10 3/4 " Cemented with 250 sx.TOC Circulated feet determined by ---Hole size 13 3/8Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 7 " Cemented with 350 sx.TOC 500 feet determined by Temp. survey.Hole size 9"Total depth 3000'Injection interval2835 feet to 3000 feet
(perforated or open-hole, indicate which)

Tubing size 2" lined with Not reported set in a
(material)
Not reported packer at 2850 feet
(brand and model)

(or describe any other casing-tubing seal).

Other 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 well
- 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) _____
Records indicate no other work
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC.		MARALO JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
21	1650'FNL & 1650'FEL	13	T-25-S	R-36-E

SchematicTabular DataSurface CasingSize 10 3/4 " Cemented with 250 sx.TOC Circulated feet determined by ----Hole size 12"Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/2 " Cemented with 450 sx.TOC 1122 feet determined by Temp. surveyHole size 7"Total depth 3058'Injection interval2960 feet to 3048 feet
(perforated or open-hole, indicate which)

Tubing size Not reported lined with Not reported set in a
(material)
Not reported packer at Not reported feet
(brand and model)

(or describe any other casing-tubing seal).

Other 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 Well
- 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 other work reported
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC		JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
20	1250' FNL & 70' FWL	18	T-25-S	R 37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 250 sx.TOC Circulated feet determined by ---Hole size 12 1/4Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 850 sx.TOC Circulated feet determined by --Hole size 7 7/8 "Total depth 3500'Injection interval2920' feet to 3138' feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with J-55 EUE plasket coated set in a
(material)
Baker Model AD-1 Nickel plated packer at 2881' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation YATES2. Name of Field or Pool (if applicable) JALMAT YATES3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? Oil Well4. 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) Cast iron bridge plug@ 3460'. PF.3196-3202' (7 holes) 3266-3270' 5 holes) 3382-3389' (6 holes) 3425'-29'(6 holes) 3443-47' (5 holes) 3483-86' (5 holes) 5000 gals. 15% NEA acid, 2000 gals.5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVER 3184'QUEENS 3363'

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC.		JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
19	1300' FNL & 1350' FWL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 300 sx.TOC Circulated feet determined by ---Hole size 11"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 950 sx.TOC Circulated feet determined by ---Hole size 7 7/8Total depth 3540'Injection interval2902' feet to 3130' feet
(perforated or open-hole, indicate which)

Tubing size Not reported lined with Not reported set in a
(material)
Not reported packer at 2900' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) JALMAT SEVEN RIVERS, GAS
- Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? GAS WELL

- 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) Ran injection packer and packer & coated tubing to 2900'. Set packer, loaded casing w/packer fluid & pressure to 400psi.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3141'
QUEENS 3357'

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
MARALO, INC 17	660' FNL & 1980' FWL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 8 5/7 " Cemented with 800 sx.TOC Circulated feet determined by ---Hole size 11"Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/2 " Cemented with 950 sx.TOC Circulated feet determined by -----Hole size 7 7/8 "Total depth 3400'Injection interval feet to feet
(perforated or open-hole, indicate which)Tubing size 2 1/2 lined with Not reported set in a
(material)Formation packer at 3300 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation 2. Name of Field or Pool (if applicable) Jalmat QUEEN3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? Oil Well4. 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) Squeeze pf from 2980'-3010', Pf: 2892-2925 w/ 2 shots per ft. Acidized pf w/ 500 gals. Frac. pf: 2848-84 & 2892-2925 w/ 20,000 gals. Humble frac. & 40,000# Sand in 4 stages.5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. QUEEN 3280

OPERATOR		LEASE	
MARALO, INC.		JALMAT YATES UNIT	
WELL NO.	PORTAGE LOCATION	SECTION	TOWNSHIP
15	1050' FNL & 1100' FEL	13	T-25-S
		RANGE	
		R-36-E	

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 250 sx.TOC Circulated feet determined by ----Hole size 12 1/4Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/2 " Cemented with 635 sx.TOC Circulated feet determined by ----Hole size 7 7/8Total depth 3570'Injection interval2954 feet to 3178 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with J-55 EUE plastic coated set in a
(material)
Not reported packer at 2915 feet
(brand and model)

(or describe any other casing-tubing seal).

Other 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 Well
- 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 other work reported
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3191
QUEEN 3410

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC.		MARALO JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
13	330' FNL & 1650' FEL	13	T-25-S	R-36-E

SchematicTabular DataSurface CasingSize 10 3/4 " Cemented with 250 sx.TOC circulated feet determined by -----Hole size 12"Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/2 " Cemented with 450 sx.TOC 1105 feet determined by Temp. SurveyHole size 10"Total depth 3195'Injection interval2950 feet to 3060 feet
(perforated or open-hole, indicate which)Tubing size Not reported lined with Not reported set in a
(material)Not reported packer at Not reported feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of field or Pool (if applicable) JALMAT, YATES, SEVEN RIVERS
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil Well
- 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 other work reported done on this well
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC		MARALO JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
12	330' FNL & 330' FEL	13	T-25-S	R-36-E

SchematicTabular DataSurface CasingSize 10 3/4 " Cemented with 350 sx.TOC Circulated feet determined by ----Hole size -----Intermediate CasingSize ----- " Cemented with ----- sx.TOC ----- feet determined by -----Hole size -----Long stringSize 7 " Cemented with 300 sx.TOC 1310 feet determined by Temp. Surv.Hole size 10"Total depth 2997'Injection interval2947 feet to 2997 feet
(perforated or open-hole, indicate which)

Tubing size Not reported lined with Not reported set in a
 (material)
Not reported packer at Not reported feet
 (brand and model)

(or describe any other casing-tubing seal).

Other 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 Well
- 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 other work reported done on this well
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. -----

OPERATOR		LEASE	
MARALO INC.		JALMAT YATES UNIT	
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP RANGE
WT 28	2540'FNL & 2530'FEL	13	T-25-S R-36-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 400 sx.TOC Circulated feet determined by ----Hole size 12 1/4Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 4 1/4 " Cemented with 635 sx.TOC Circulated feet determined by ----Hole size 7 7/8"Total depth 3498'Injection interval2902 feet to 3165 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with Not reported set in a
(material)
Not reported packer at 2880 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Yates
- Name of Field or Pool (if applicable) Jalmar YATES
- 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 intervals and give plugging detail (sacks of cement or bridge plug(s) used)
No other work reported
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

OPERATOR		LEASE	
MARALO, INC.		JALMAT YATES UNITS	
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP
WI 27	2550' FNL & 1100' FEL	13	T-255
		RANGE	
		R-36-E	

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 250 sx.

TOC Circulated _____ feet determined by _____

Hole size 12 1/4 "Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 4 1/4 " Cemented with 635 sx.

TOC Circulated _____ feet determined by _____

Hole size 7 7/8 "Total depth 3501'Injection interval2885 feet to 3127 feet
(perforated or open-hole, indicate which)

Tubing size 2 2/8" lined with Not reported set in a
(material)
Not reported packer at 2848 feet
(brand and model)

(or describe any other casing-tubing seal).

Other 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? _____
- 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 other work reported
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
MARALO, INC.		JALMAT YATES UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
WI 26	2600' FNL & 50' FWL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 300 sx.TOC Circulated feet determined by --Hole size 12 1/4Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 4 1/2 " Cemented with 635 sx.TOC Circulated feet determined by ---Hole size 7 7/8Total depth 3500'Injection interval2865' feet to 3092' feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with Not reported set in a
(material)
Not reported packer at 2845' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Yates
- Name of Field or Pool (if applicable) JALMAT YATES, SEVEN RIVERS
- 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 intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3093

INJECTION WELL DATA SHEET

OPERATOR		LEASE			
MARALO, INC.		JALMAT YATES UNIT			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE	
WI 18	1300' FNL 7 2519' FWL	18	T-25-S	R-37-E	

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 300 sx.TOC Circulated feet determined by ----Hole size 12 1/4Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 1500 sx.TOC Circulated feet determined by ----Hole size 7 7/8Total depth 3500'Injection interval2836' feet to 3055' feet
(perforated or open-hole, indicate which)Tubing size 2 2/3 lined with Not reported set in a
(material)Not reported packer at 2797 feet
(brand and model)

(or describe any other casing-tubing seal).

Other 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? _____
- 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) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3074

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
MARALO, INC.	JALMAT YATES UNIT			
WELL NO. 1110	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
WI 14	1110' FNL & 2530' FEL	13	T-25-S	R-36-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 250 sx.TOC Circulated feet determined by ----Hole size 12 1/4"Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 4 1/2 " Cemented with 635 sx.TOC Circulated feet determined by ----Hole size 7 7/8"Total depth 3525'Injection interval2916 feet to 3185 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with Not reported set in a
(material)
Not reported packer at Not reported feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of field or Pool (if applicable) JALMAT
- 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 intervals and give plugging detail (sacks of cement or bridge plug(s) used) SEVEN RIVERS 3186
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Schematic

Surface Casing

TOC Circulated. feet determined by ---

Hole size

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC feet determined by

Hole size

Long string

Size 5 1/2 " Cemented with 1600 sx.

TOC Circulated feet determined by ----

Hole size 7 7/8'

Total depth 3497 (plug back to 3107')

Injection interval

2878' feet to 3107' feet
(perforated or open-hole, indicate which)

Инъекция

c) Tubing size 2 3/8 lined with _____ set in a
_____ (material)
_____ packer at 2858'
_____ feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation YATES
2. Name of Field or Pool (if applicable) JALMAT YATES
3. Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
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) _____
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
GETTY OIL COMPANY		SOUTH LAMGLIE JAL UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
16	1980'FEL & 2310' FSL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 200 sx.TOC Circulated feet determined by ----Hole size 12 3/4Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 400 sx.TOC Circulated feet determined by -----Hole size 8 "Total depth 3349'Injection interval3237 feet to 3349 feet
(perforated or open-hole, indicate which)Tubing size 5 1/2 lined with EUE cement set in a
(material)Model AD Tension packer at 3168' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) JALMAT- YATES, & SEVEN RIVERS
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil Well
- 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) PF following intervals w/2 shots per ft. 2898-2913, 2920-2942, 2952-2962, 2989-3000, 3008-3013, 3016-3073, total of 75'. Set Baker Retrievable Bridge Plug at 3120' w/wireline
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 2980
QUEENS 3190

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
GETTY OIL COMPANY		SOUTH LAGLIE JAL UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
17	2310' FNL & 330' FEL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 10 3/4 " Cemented with 200 sx.TOC Circulated feet determined by ---Hole size 13 3/4Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 7 " Cemented with 400 sx.TOC Circulated feet determined by -----Hole size 8 3/4Total depth 3336'Injection interval3200 feet to 3336 feet
(perforated or open-hole, indicate which)

Tubing size Not Stated lined with Not Stated set in a
(material)
_____ packer at _____ feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation _____
- Name of Field or Pool (if applicable) JALMAT - QUEEN
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? OIL WELL
- 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) _____
Prod. interval 3246-3294
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. QUEEN 2977
SEVEN RIVERS 3190

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
GETTY OIL COMPANY		SOUTH LANGLIE JAL UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
20	1980' FSL & 1980' FEL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 8 3/4 " Cemented with 120 sx.TOC Circulated feet determined by -----Hole size 10 3/4Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/2 " Cemented with 400 sx.TOC Circulated feet determined by -----Hole size 7 7/8Total depth 3371'Injection interval2876 feet to 3356 feet
(perforated or open-hole, indicate which)

Tubing size Not Stated lined with Not Stated set in a
(material)
----- packer at ----- feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation
- Name of Field or Pool (if applicable) JALMAT YATES, SEVEN RIVERS, QUEEN.
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? OIL WELL
- 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) orig comp through PF; 2885-2910. acid w/ 2500 gals Top of pay 2885
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. QUEENS 3060
SEVEN RIVERS 3440

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
GETTY OIL COMPANY		SOUTH LANGLEIE JAL UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
21	330' FEL & 2310' FSL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 10 3/4 " Cemented with 115 sx.TOC Circulated feet determined by -----Hole size 12 3/4Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 7 " Cemented with 200 sx.TOC Circulated feet determined by -----Hole size 8 3/4Total depth 3336'Injection interval3168 feet to 3336 feet
(perforated or open-hole, indicate which)Tubing size 2 3/8 lined with Cement OD EUE Tubing set in a
(material)Baker Model AD packer at 3095' feet
(brand and model)(or describe any other casing-tubing seal). Guiberson KV-8 packer & H-1 hydraulic anchor on top of packerOther Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) JALMAT
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? DUAL OIL & GAS WELL
- 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) 2792-2828 (4 hole per ft.)
2832-2868 (2 holes per ft.) 2878-2900 (2 holes per ft.) Treated Pf.'s w/sand-oil using
4000# sand w/ approx 4500 gals. Native oil.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. QUEEN 3195
SEVEN RIVERS 3070

INJECTION WELL DATA SHEET

OPERATOR GETTY OIL COMPANY LEASE SOUTH LANGLE JAL UNIT

WELL NO. 24 FOOTAGE LOCATION 1650' FEL & 660' FSL SECTION 18 TOWNSHIP T-25-S RANGE R-37-E

SchematicTabular DataSurface CasingSize 10 3/4 " Cemented with 175 sx.TOC Circulated feet determined by ----Hole size 13 3/4Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 7 " Cemented with 450 sx.TOC Circulated feet determined by -----Hole size 8 3/4Total depth 3392 'Injection interval feet to feet
(perforated or open-hole, indicate which)

(Did not state depth of interval)

Tubing size 2 3/8 lined with Cement internal set in a
(material)Baker Model AD plasket coated tension packer at 3070' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) JALMAT SEVEN RIVERS
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil well
- 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) Sandfrac 3250-3400
5000 gals. sandfrac oil & 4,900#
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3027
QUEENS 3190

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
GETTY OIL COMPANY		SOUTH LANGLEIE JAL UNIT		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
28	1923' FSL & 1111' FEL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 400 sx.TOC Circulated feet determined by ----Hole size 12 1/4Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 550 sx.TOC Circulated feet determined by ----Hole size 7 7/8Total depth 3612' (plug back to 3400')Injection interval2798' feet to 3046' feet
(perforated or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ 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 QUEENS3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? OIL WELL4. 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) Tested 3244-3522'(22 holes) Produced. (Sgz'd) 350sxs. LWL & 200 sxs. CI.C. 3244-3348' Acid w/1050 gals. 15%HCl & 1050 gals. mud acid. Frac. w/ 16,000 gals. Versa gals. 1400 w/14,00 # 20/405. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3046QUEENS 3199

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
TEXAS PACIFIC OIL COMPANY		GUTMAN		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
18	660' FSL & 1980' FEL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 9 5/8 " Cemented with 200 sx.

TOC Circulated _____ feet determined by _____

Hole size 11 1/4'Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 8 3/5 " Cemented with 500 sx.

TOC Circulated _____ feet determined by _____

Hole size 7"Total depth 3569'Injection interval2700' feet to 3035 feet
(perforated or open-hole, indicate which)

Tubing size Not reported lined with Not reported set in a
(material)
Not reported packer at Not reported feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) JALMAT
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil well
- 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) 2833-3035' sandfrac.
w/ 20,000 gals. & 20,000#
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

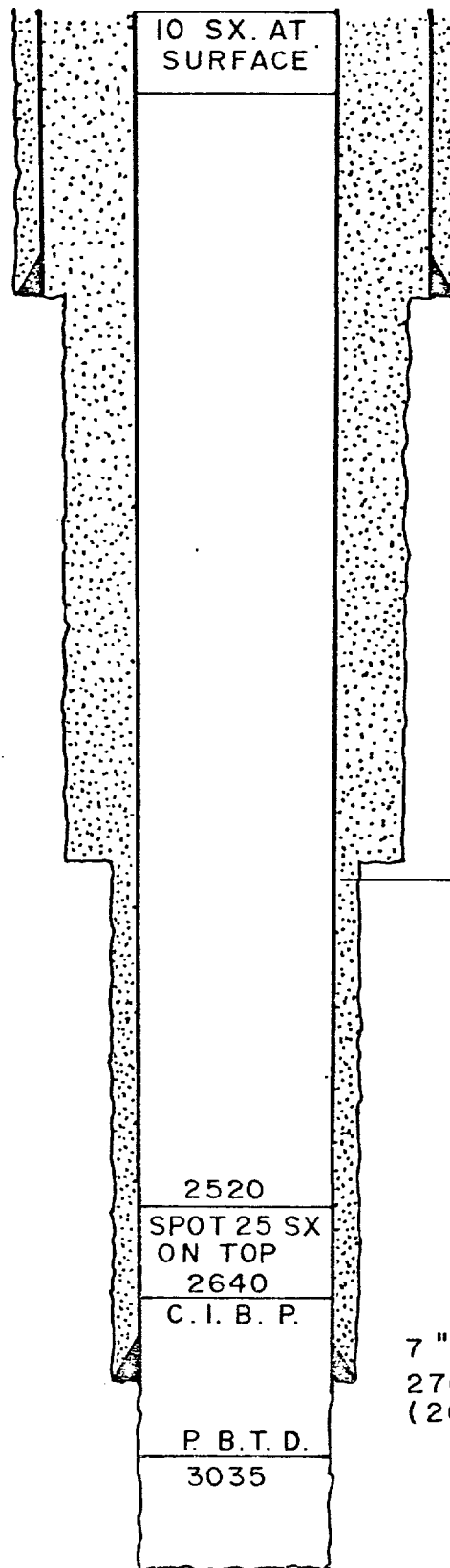
TABULATION OF DATA
FOR ALL WELLS

WITHIN ONE HALF MILE RADIUS OF JALMAT #30

WELL NAME	TYPE OF WELL	DATE DRILLED	LOCATION	TOTAL DEPTH	WELL'S CONSTRUCTION	RECORD OF COMPLETION
Getty Reserve South Langlie						
X Matlix Jal Unit #21	Oil	7-29-52	2310 FSL-330' FEL	3340'	10 3/4" csg @ 159' 7" csg @ 3168'	Perfs: 2792-28; 2832; 2868; 2878; 2900
Dalport E #12	Gas	4-25-52	660' FNL-1980' FEL 990 2 3/4	2938	10 3/4" @ 330' w/200 sx cement 7" csg. @ 2776 w/400 sx cement	Hydrafraced w/1500 gals. 2776-2938
GETTY						
Dalport E #17	Oil	2-22-53	2310' FNL-330' FEL	3346	10 3/4" 325w/300 sx 7" @ 3200' w/300 sx	Hydrafrac w/2000 gals acid. 3200-3346' OH
Dalport D #16	Oil No Oil dry	3-30-53	2310' FNL-1980' FEL	3350	12 1/4" 2 1/4" 370 8 5/8" @ 449' w/425 sx; 8 5/2" @ 3237 w/ 400 sx	Hydrafrac 3000 GA 3237 - 3350'
Jalmat Yates Unit #26	Injection	8-7-80	2600' FNL-50' FWL	3500	8 5/8" @ 429' w/300sx 4 1/2" @ 3500' w/1450 sx	Perf Yates 2865-3092 Acidized w/7981 gals 15%
Jalmat Yates Unit #31	Injection	10-18-79	1650' FSL-1700' FWL	3500	8 5/8" @ 400' w/400 sx. 5 1/2" @ 3500' w/ 1500 sx	Perfs. 2830-3210 Acidized w/5550 gals 15%
Jalmat Yates Unit #30	Oil	9-29-49	1930' FNL-660' FWL 1980 E	2983'	10 3/4" @ 563 7" @ 2890' - 2890' 1500 4x 700 245	SF/15,000 oil + 30,000# sand
E. C. Winters #2	Oil No Oil dry	8-18-80	1980' FNL-990' FEL	3030	8 5/8" @ 415 w/800 sx 5 1/2" @ 3030' w/ 550 sx. 2 3/8" @ 2904'	Perfs 2784 - 2855 Acidized w/4000 gals 15% MCA
Jalmat Yates Unit #25	I/G	4-10-81	2500' FNL-1550' FWL	3510	8 5/8" @ 400' w/ 300sx 5 1/2" @ 3510 w/950 sx	Perfs. 3130-3228 2856 - 3031 Acidize 4000 gals
X Jalmat Yates Unit #17	Oil	12-31-53	660' FNL-1980' FWL	3400	8 5/8" @ 1134' w/ 800 sx; 5 1/2" @ 3265' w/950sx	OH 3265 Acid w/1000 gal

2310N-730N

TEXAS PACIFIC GUTMAN 18 NO. 1
 660' FSL & 1980' FEL
 SECTION 18 T-25-S, R-37-E
 (UNIT 0)



9 5/8" 36[#] CSG. SET AT
 303' CEM. W/ 125 SX.

200 SX. THROUGH VALVE AT
 1150', (CEM. CIRC. TO SURF.)

7" 20 CSG. SET AT
 2700' CEM. W/ 400 SX.
 (200 SX. AT SHOE 200 SX AT 1150'.)

T.D. 3569



BRUCE KING
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

October 25, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Maralo, Inc.
P. O. Box 832
Midland, Texas 79702-0832

Attention: R. A. Lowery or
Brenda Coffman

Re: Administrative Approval for
Secondary Recovery through
Well No. 30, Section 18,
Township 25 South, Range 37
East, NMPM, Lea County, New
Mexico, Jalmat Yates Unit

Gentlemen:

Your application for administrative approval for secondary recovery through Well No. 30 in Section 18, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, in Jalmat Yates Unit has been received. In order to process your application additional information is needed as follows:

No. 1 Item No. 111 of C-108 on Well Data Sheet

- ✓ A(2) - Information in our well files indicate that the top of cement (TOC) is located at 880 feet from the surface by a temperature survey. Please verify.
- ✓ A(2) - The schematic diagram. Show the tubing and packer with depths and descriptions.
- ✓ A(2) and B(4) - Supply a detailed narrative description of the installation, cementing, depth determination of TOC, and perforating of the 4 1/2" string. Your letter and other information does not clearly define your intentions or methodology.

✓ B(5) - Submit depth of the top of the Seven Rivers and indicate on the schematic diagram, also show tops of other formations penetrated. (Top and bottom of salt section)

No. 2 Item No. IV of C-108

Indicate what waterflood expansion this application is for.

✓ No. 3 Item No. V of C-108

Resubmit a map of suitable scale and size that identifies legibly all wells and leases within two miles of your proposed well. Draw a 2-mile radius circle on the map. On your 1/2 mile area of review map show all wells in this area even if these wells ^{do not} penetrate the injection zone.

not included
No. 4 Item No. VI of C-108

Your tabulation of data on all wells within the area of review is incomplete and not accurate according to our files. Resubmit corrected tabulation. In addition, would you please include those wells in your tabulation that do not penetrate your inspection zone.

No. 5 Item No. VII of C-108

VII(3) - The maximum injection pressure is limited to 0.2 psi per foot of depth to the top of the injection zone (perforations or open hole) unless appropriate information (step-rate test) substantiates a higher pressure. See attached memo. (Memo No. 3-77)
Recalculate your maximum pressure.

Page 3
Letter to Maralo, Inc.
October 25, 1982

✓ VII(4) - Submit an affirmative statement as to compatibility or not of injection water with the formation. Relate this to your analysis of injection florides.

VII(5) - Indicate at what depth the Yates formation is found in your well.

✓ No. 6 Item No. X of C-108

All logs have been purged from our files to conserve space; please resubmit all logs and test data.

✓ No. 7 Item No. XI of C-108

Resubmit independent analyses of fresh water wells and supply the date these samples were taken. Also on your revised map show the fresh water wells' location.

No. 8 Item No. XIII of C-108 Proof of Notice

Submit a photo copy of the receipt of the registered or certified mail sent to each surface owner and leasehold operator. See attached sample. Also one operator was not notified, Doyle Hartman, P. O. Box 10426, Midland, Texas 79702.)

If you have any questions concerning this matter, please contact me at 505 827-3260.

Sincerely,

Oscar Simpson

OSCAR SIMPSON
Water Resource Specialist

OS/fd
enc.



December 15, 1982

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

Attention: Mr. Oscar Simpson
Water Resource Specialist

Re: Administrative Approval for
Secondary Recovery through
Well No. 30, Section 18,
Township 25 South, Range 37
East, NMPM, Lea County, New
Mexico, Jalmat Yates Unit

Dear Mr. Simpson:

Enclosed for your consideration are the items you requested in your letter of October 25, 1982. I hope you find all of the attached satisfactory, if not, please let me know.

Yours truly,

A handwritten signature in cursive script that reads 'Brenda Coffman'.

Brenda Coffman
Agent

BC

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
DOYLE HARTMAN		E.C.WINTERS		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
2	1980' FNL & 990' FEL	18	T-25-S	R-37-E

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 300 sx.TOC Circulated feet determined by ----Hole size 12 1/4Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/4 " Cemented with 500 sx.TOC Circulated feet determined by ---Hole size 7 7/8Total depth 3030' (plug back to 2954')Injection interval2784' feet to 2855' feet
(perforated or open-hole, indicate which)

(No record where the packer was sit)

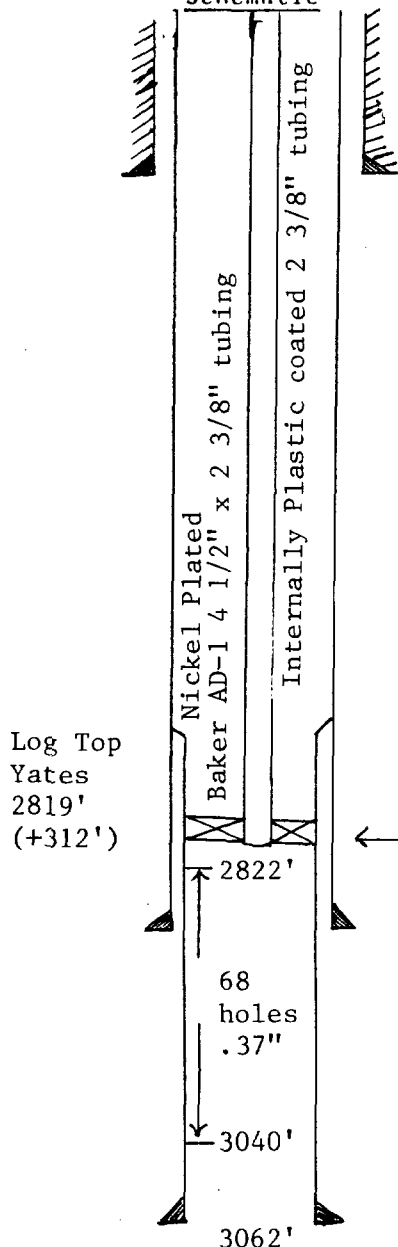
Tubing size lined with set in a
(material) packer at feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation 2. Name of Field or Pool (if applicable) JALMAT YATES3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? OIL WELL4. 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) 2784-2855: A/4000 15% MCA;2784-2855; SWF/ 50,000 +106,0005. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. SEVEN RIVERS 3090QUEEN 3235

Maralo, Inc.
OPERATORJalmat Yates Unit
LEASE30
WELL NO.2310' FSL & 2310' FWL
FOOTAGE LOCATION18
SECTION25 S
TOWNSHIP37 E
RANGE

Schematic

10 3/4" @
545' w/250
sx. Circ.2803' w/
10,000# tension
20 & 23# 7"
2835' w/325 sx.10.5# 4 1/2"
3051' w/100 sx

Tabular Data

Surface Casing

Size 10 3/4 " Cemented with 250 sx.
TOC Circ. feet determined by Observation
Hole size 12 "

Intermediate Casing

Size 7 " Cemented with 325 sx.
TOC Unknown feet determined by N/A
Hole size 9 "

Long string

Size 4 1/2 " Cemented with 100 sx.
TOC 2473 feet determined by Drill bit
Hole size 6 "
Total depth 3062

Injection interval

2822 feet to 3040 feet
(perforated or open-hole, indicate which)

• Our records can not substantiate where the TOC is.

This well was originally completed as Ralph Lowe's Rose No. 3, a gas well in the Cooper-Jal Field. It's located within the approved unit area and intentions were always to convert to WIW when gas was depleted.

Tubing size 2 3/8 " lined with Plastic Coated set in a
(material)Baker AD - 1 Nickel plated packer at 2803 feet
(brand and model)

(or describe any other casing-tubing seal).

Other 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 ☒ No
If no, for what purpose was the well originally drilled? Gas well
- 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) open hole 2835 - 2900'
deepened & ran liner. Liner shoe @ 3051' TO liner @ 2653' Cmt. w/100 sx Cl. "H"
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers (now depleted)

P. O. BOX 1468
MCNAHANS, TEXAS 79756
PHONE 943-3234 OR 563-1040

Martin Water Laboratories, Inc

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

RESULT OF WATER ANALYSES

TO: Mr. R. A. Lowery LABORATORY NO. 118064 (corrected copy)
P.O. Box 832, Midland, Texas SAMPLE RECEIVED 11-10-80
RESULTS REPORTED 11-11-80

COMPANY Maralo, Inc. LEASE Jalmat Yates Unit
FIELD OR POOL Jalmat
SECTION BLOCK SURVEY COUNTY Lea STATE New Mexico
SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Composite supply water - taken from water well supply #1 & #2.

NO. 2 Produced water - taken from Jalmat Yates Unit #1.

NO. 3 Produced water - taken from Tenneco's E. J. wells #3 & #4.

NO. 4 Produced water - taken from Appollo Oil Company's Brown #5-A.

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	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 HCO ₃	378	878	1,305	1,903
Supersaturation as CaCO ₃	14	125	420	250
Undersaturation as CaCO ₃	-	-	-	-
Total Hardness as CaCO ₃	268	7,850	2,975	1,680
Calcium as Ca	40	260	780	336
Magnesium as Mg	41	1,750	249	204
Sodium and/or Potassium	189	6,614	1,315	1,678
Sulfate as SO ₄	248	2,967	1,691	252
Chloride as Cl	78	12,996	2,131	2,486
Iron as Fe	0.89	2.8	0.30	0.04
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	974	25,525	7,471	6,859
Temperature °F.				
Carbon Dioxide, Calculated				
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/l				
Volume Filtered, ml				
Carbonate, as CO ₃	0	60	0	0

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks Letter of recommendation attached.

PS Form 3811, Jan. 1979

SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.) 1.35

☒ Show to whom and date delivered.

☐ Show to whom, date and address of delivery.

☐ RESTRICTED DELIVERY

Show to whom and date delivered.

☐ RESTRICTED DELIVERY.

Show to whom, date, and address of delivery. \$ _____

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

James Bryant
Drawer D
Jal. N. M.

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
P11 1978546		

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY 10-3-82 POSTMARK OCT 14 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: _____ CLERK'S INITIALS #

☆GPO : 1979-288-848

PS Form 3811, Jan. 1979

SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.) 1.35

☒ Show to whom and date delivered.

☐ Show to whom, date and address of delivery.

☐ RESTRICTED DELIVERY

Show to whom and date delivered.

☐ RESTRICTED DELIVERY.

Show to whom, date, and address of delivery. \$ _____

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

Getty Oil Company
Midland, Texas 79702

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
P11 1978548		

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY 10-3-82 POSTMARK OCT 14 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: _____ CLERK'S INITIALS TX

☆GPO : 1979-288-848

PS Form 3811, Jan. 1979

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Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.) 1.35

☒ Show to whom and date delivered.

☐ Show to whom, date and address of delivery.

☐ RESTRICTED DELIVERY

Show to whom and date delivered.

☐ RESTRICTED DELIVERY.

Show to whom, date, and address of delivery. \$ _____

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

Ruby Slack
Pecos, Texas

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
P11 1978547		

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY 10-3-82 POSTMARK OCT 14 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: _____ CLERK'S INITIALS #

☆GPO : 1979-288-848

P11 1978546

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
James Bryant
STREET AND NO.
Drawer D
P.O. STATE AND ZIP CODE
Jal, New Mexico 88252

POSTAGE \$ **.54**

CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	.75 c
		SPECIAL DELIVERY	c
		RESTRICTED DELIVERY	c
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	.60 c
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	c
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c	
TOTAL POSTAGE AND FEES		\$ 1.89	
POSTMARK OR DATE			

PS Form 3800, Apr. 1976

P11 1978547

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
Ruby Slack
STREET AND NO.
601 S. Oleander
P.O. STATE AND ZIP CODE
Pecos, Texas 79772

POSTAGE \$ **.54**

CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	.75 c
		SPECIAL DELIVERY	c
		RESTRICTED DELIVERY	c
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	.60 c
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	c
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c	
TOTAL POSTAGE AND FEES		\$ 1.89	
POSTMARK OR DATE			

PS Form 3800, Apr. 1976

P11 1978548

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
Getty Oil Company
STREET AND NO.
P. O. Box 1231
P.O. STATE AND ZIP CODE
Midland, Texas 79702

POSTAGE \$ **.54**

CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	.75 c
		SPECIAL DELIVERY	c
		RESTRICTED DELIVERY	c
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	.60 c
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	c
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c	
TOTAL POSTAGE AND FEES		\$ 1.89	
POSTMARK OR DATE			

PS Form 3800, Apr. 1976

P11 1978593

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
Doyle Hartman
STREET AND NO.
P. O. Box 10426
P.O. STATE AND ZIP CODE
Midland, Texas 79702

POSTAGE \$ **.54**

CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	.75 c
		SPECIAL DELIVERY	c
		RESTRICTED DELIVERY	c
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	.60 c
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	c
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c	
TOTAL POSTAGE AND FEES		\$ 1.89	
POSTMARK OR DATE			

PS Form 3800, Apr. 1976

SURFACE OWNERS

James Bryant
Drawer "D"
Jal, New Mexico 88252

Ruby Slack
601 S. Oleander
Pecos, Texas 79772

LEASEHOLD OPERATORS WITHIN $\frac{1}{2}$ MILE

Getty Oil Company
P. O. Box 1231
Midland, Texas 79702

Doyle Hartman
P. O. Box 10426
Midland, Texas 79702

Martin Water Laboratories, Inc.

WATER CONSULTANTS SINCE 1953
BACTERIAL AND CHEMICAL ANALYSES

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

P. O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

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.

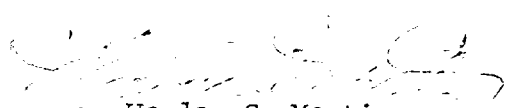
Dear Mr. Lowery:

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

WCM/md Oxygen is being controlled by a gas blanket.

Brenda Coffman
12-13-82

- 9-19-82 Picked up & ran 10 jts. $4\frac{1}{2}$ " K-55, 10.5#, STC 8R Liner on 85 jts $2\frac{7}{8}$ " tbg. Set liner shoe @ 3051', float @ 3011'. Top of liner @ 2653'. Cemented liner w/100 sx Cl "H" w/5% CFR-2 & $\frac{1}{4}$ # flocele/sx. Max press 400 psi w/200 psi increase on displacement. Got off liner & POOH w/tbg. SDON: WOC 48 hours.
- 9-21-82 Pressured csg. to 200 psi - ok. Went in hole w/ $6\frac{1}{8}$ " rock bit, 4 - $3\frac{1}{8}$ " drill collars on $7\frac{1}{6}$ jts $2\frac{7}{8}$ " tbg to 2473', top of cement. Drld & circ'd hole clean to 2653' top of liner. Pressured to 500 psi - held ok. POOH Laid down 12 jts $2\frac{7}{8}$ " tbg & $6\frac{1}{8}$ " bit. Picked up $3\frac{7}{8}$ " bit and 12 jts $2\frac{3}{8}$ " tbg. WIH. Drld out cement in top of liner to 2965'. Went down & drld out cement & float collar @ 3011'. Drld cement to 3051'. Circ'd hole clean. Pressured to 500 psi - ok. POOH.

NAME OF Operator	FARM OR Lease Name	Well No.	Field or Pool	Type OF Well	
Doyle Hartman	E.C. Winters	# 2	Jalmat	OIL (SHUT-IN) 9-11-70	
Location	S - T - R 18 - 25S - 37E	Unit Letter H	Footage of Well 1980 FNL 990 FEL	Total Depth 3030' (2154) PBD	
Date Drilled					
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 5/8	24	415	12 1/4	300sx (Circ 40)	NONE
5 1/2	17	3030	7 7/8	550sx (Circ 79)	NONE
</					

NAME OF Operator	FARM OR Lease Name	Well No.	Field OR Pool	Type OF Well	
Getty	South Langlie Jal Unit	28	Jalmat	Oil	
Location	S - T - R 18 - 25S - 37E	Unit Letter I	Footage of Well 1923 FSL 1111 FEL	Total Depth 3612' PB to 3400'	
Date Drilled					
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 5/8"	24	635'	12 1/4"	400 SXS Class "C" w/2% Ca CL & 4 Flocc SX. Circulated 75 SXS to surface.	
5 1/2"	15.5	3612'	7 7/8"	530 SXS - Class "C" w/3% Econolite & 25 SXS. Class "C" 50/50 Pozmix Circ est. 135 SXS to pit.	
Need C-103					
Name OF Operator	Farm or Lease Name	Well No.	Field OR Pool	Type OF Well	
Getty Oil Co.	South Langlie Jal UNIT	25	Jalmat	Oil	
Location	S - T - R	Unit Letter P	Footage of Well, 330 FSL 990 FEL	Total Depth 3377 3370- 3377	
Date Drilled	18 - 25S - 37E				
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
10 3/4"	32.75	3377 142'	12 1/4"	100 SX	
7"	20	3310'	8 3/4"	200 SX Set treating packer at 3307' Turning?	

NAME OF Operator	FARM OR Lease Name	Well No.	Field OR Pool	TYPE OF Well
Getty Oil Co.	South Langlie Jal Unit	24 ✓	Jalmut	Oil INJECTION

Location	S - T - R	Unit Letter	Footage of Well	Total Depth
	18 - 255 - 37E	O	1650 FEL 660 FSL	3391 ^{OPEN H} 3392 } 3118 TD 3392

Date Drilled 12/20/52

Wells Construction

Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
10 3/4"	40.5	156'	13 3/4"	175 SX Circulated	
7"	23	3118'	8 3/4"	450 SX 2-Stage	
				Ran 3112' of 7"	
				23# casing at 3118'	

2 7/8 ICT

PACKER 3070'

Name OF Operator	Farm or Lease Name	Well No.	Field OR Pool	Type of Well
Getty Oil Co.	South Langlie Jal Unit	21 ✓	Jalmut	Injection Oil

Location	S - T - R	Unit Letter	Footage of Well	Total Depth
	18 - 255 - 37E	I	330 FEL 2310 FSL	TD 3336 Open 3168 - 3336

Date Drilled 9/2/52

Wells Construction

Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
10 3/4"	32.75 #	159'	12 3/4"	115 SX Reg. Plug	
7"	20-23 #	3168'	8 3/4"	200 SX Reg. Plug	
	2-Stage	1052		100 SX 2-Stage	
				Ran 10' 2 joints 2 3/8" cement lined tubing and 7" Baker Model AD Tension Packer Set packer at 3081' w/14000 tension	

NAME OF Operator		FARM OR Lease Name	Well No.	Field or Pool	Type OF Well
Gettly Oil Co.		South Langlie Jal Unit	16 ✓	Jalmat	Oil
Location	S - T - R 18 - 25S - 37E		Unit Letter J	Footage of Well 1980 FSL 1980 FEL	Total Depth TD 3371' Open hole 2876 - 3371'
Date Drilled	11/25/51				
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 7/8"	24	303'	10 3/4"	1205x surface casing	
5 1/2"	15.5	2886'	7 7/8"	4005x 200 at Shoe, 200 thru 2-stage foal	
				Set 2" tbg at 2872' and packer.	
</					

NAME OF Operator	FARM or Lease Name	Well No.	Field or Pool	Type of Well
Getly Oil Co.	South Langlie Jal Unit	16 ✓	Jalmut	Injection OIT

Location	S - T - R	Unit Letter	Footage of Well	Total Depth
Date Drilled 3/30/53	18-25S-37E	G	1980 FEL 2310 FNL	3350' open hole 3237'-3350'

Wells Construction	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
Casing Size					
8 5/8"	24 #	330'	12 3/4"	200 SX SURFACE	
5 1/2"	14 #	3237'	8"	400 SX OIL STRING	
				Set tension packer at 3180' (5 1/2" casing is set at 3237')	

Name OF Operator	Farm or Lease Name	Well No.	Field or Pool	Type of Well
Getly Oil Co.	South Langlie Jal Unit.	13	Jalmut	OIT Water Injection

Location	S - T - R	Unit Letter	Footage of Well	Total Depth
Date Drilled 2/2/54	18-25S-37E	A	990 FEL 990 FNL	3320' Cleaned to 3333' Set in at

Wells Construction	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
Casing Size					
8 5/8"	24 #	301'	10 3/4"	200 SX SURFACE	
5 1/2"	14 #	3230	7 7/8"	400 SX 2 staged OIL STRING Ran 103 jts 2 3/8" Circ Cement Lined taking and 5 1/2" Baker Model AD Tension packer. Set packer at 3185' w/14000 # tension	

NAME OF Operator		FARM OR Lease Name	Well No.	Field or Pool	Type of Well
Setty Oil Co.		South Langlie Jal Unit	12	Jalmat	Oil
Location		S - T - R	Unit Letter	Footage of Well	Total Depth
Date Drilled 8/7/53		18-255-37E	I	990 FNL 2310 FEL	3342'
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
9 5/8"	32.30	310	12 3/4"	200 SX Hullbuster	
5 1/2"	15.5	3255'	7 7/8"	400 SX 2 staged #	
Name OF Operator		Farm or Lease Name	Well No.	Field or Pool	Type of Well
Marble, Inc.		Marale Jalmat Yates Unit	24	Jalmat Yates 7 Rivers	Oil T
Location		S - T - R	Unit Letter	Footage of Well	Total Depth
Date Drilled 11/22/53		18-255-37E	F	1980 FNL 1980 FNL	3400' PA 3140'
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 5/8"	32	1162.6'	11"	800 SX	
5 1/2"	15.5	3260.41	7 7/8"	900 SX	
				Ran 97 joints 5" tubing and holewall mucker totaling 2893' set at 3003 ft. Parker set at 2813 ft	

NAME OF Operator	FARM OR Lease Name	Well No.	Field OR Pool	Type OF Well
Marble, Inc.	Marble Talmat Yates Unit	23	Talmat Yates 7 Rivers	oil
Location	S - T - R	Unit Letter	Footage of Well	Total Depth
Date Drilled 9/28/49	18-25S-37E	E	1980 FNL 660 FWL	Build to 3038' 2983'

Wells Construction	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
Casing Size					
10 3/4"	33 75	565'	12 1/4"	150 SK	
7"	20#	2890	8 3/4"	350 SK	
				Temp survey cement 240' from surface	

Name OF Operator	Farm or Lease Name	Well No.	Field OR Pool	Type OF Well
Marble, Inc.	Marble Talmat Yates Unit	29	Talmat Yates	Oil & Gas more oil than Gas
Location	S - T - R	Unit Letter	Footage of Well	Total Depth
Date Drilled 11/12/49	18-25-37	L	2310 FNL 990 FWL	2970' TD

Wells Construction	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
Casing Size					
10 3/4"	32	565	12 1/4"	200 SK	
7"	20	2860	8 3/4"	300 SK	

NAME OF Operator	FARM OR Lease Name	Well No.	Field or Pool	Type of Well	
TEXAS Pacific Oil Co. INC.	Gutman "18"	1	Talmat	OIL	
Location 7/8/50 Date Drilled	S - T - R 18-258-37E	Unit Letter O	Footage of Well 660 FSL 1490 FEL	Total Depth 3569' TD PB 3035'	
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
9 5/8"	36	303	9 5/8" ?	125 SX	
7"	20	2700	7" ?	400 SX	
Name OF Operator	Farm or Lease Name	Well No.	Field or Pool	Type of Well	
Murale, INC	Murale Talmat Yates Unit	30	Talmat Yates	Start Back Gas	
Location 12/23/1944 Date Drilled	S - T - R 18 - 258 - 37E	UNIT Letter K	Footage of Well 2310 FSL 2310 FWL	Total Depth 2900'	
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
10 3/4"	32	545	12"	250 SX	
7"	20	2835	8 3/4"	225 SX	

NAME OF Operator		FARM OR Lease Name	Well No.	Field or Pool	Type of Well
Marate Inc		Talimat Yates Unit	11	Talimat	Oil Water Injection
Location		S - T - R	Unit Letter	Footage of Well	Total Depth
Date Drilled 9/30/80		18-255-37E	C	122 FNL 1350 F WL	3200'
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 5/8"	24	408'		300 SX	
5 1/2"	14	3497'		1000 SX	
Name OF Operator		Farm or Lease Name	Well No.	Field or Pool	Type of Well
Marate, Inc.		Talimat Yates Unit	11	Talimat	OIL
Location		S - T - R	Unit Letter	Footage of Well	Total Depth
Date Drilled 9/27/79		18-255-37E	C	1300 FNL 1350 F WL	3540'
Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
5 3/4"	24	416'	11"	300 SX	None
5 1/2"	15.56	3040'	7 7/8"	650 SX 1400 W	None
7 7/8"		3042'		300 SX 3-50	

NAME OF Operator	FARM OR Lease Name	Well No.	Field or Pool	Type OF Well
Martinez, Inc.	Tulmar Vates Unit	18	Tulmar	Water Injection
Location	S - T - R	Unit Letter	Footage of Well	Total Depth
9/13/80	18-258-37E	C	1300 FNL 2519 FNL	3500'
Date Drilled				

Wells Construction

Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 3/4	20	402	10 1/2	300 SX 125% to pt.	
5 1/2	14	3500	7 7/8	1500 SX + 500 SX	

Name OF Operator	Farm or Lease Name	Well No.	Field or Pool	Type of Well
Martinez, Inc.	Tulmar Vates Unit	20	Tulmar	OIL
Location	S - T - R	Unit Letter	Footage of Well	Total Depth
8/24/79	18-258-37E	D	1050 FNL 70 FNL	3500' 11340'
Date Drilled				

Wells Construction

Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 3/4	20	410'	10 1/2"	250 SX	0
5 1/2	15.5	3500	7 7/8	600 SX + 250 SX	0

NAME OF Operator	FARM OR Lease Name	Well No.	Field OR Pool	Type OF Well
Minerals, Inc.	Jalomat Yates Unit	55	Jalomat Thruers	Gas Well
Location	S - T - R	Unit Letter	Footage of Well	Total Depth
10/6/74	18-253-376	F	3500 FNL 1550 FWL	3510'
Date Drilled				

Wells Construction					
Casing Size	Weight LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 7/8"	24	420'	1"	3005x	none
5 1/2"	15.50	3510	7 7/8"	3005x	none

Name OF Operator	Farm or Lease Name	Well No.	Field OR Pool	Type of well
Minerals, Inc.	Jalomat Yates Unit	56	Jalomat	gas water injection
Location	S - T - R	Unit Letter	Footage of Well	Total Depth
8/1/80	18-253-376	I	2600 FNL 50' FWL	3500'
Date Drilled				

Wells Construction					
	Weight				
Casing Size	LB/Ft.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 7/8"	24	429'	not for production	300 SX	
2 1/2"	10.5	3500'	"	1150 SX	

[illegible]

NAME OF Operator						FARM OR Lease Name		Well No.		Field or Pool		Type OF Well			
Maralo, Inc.						Maralo Jalmat Yates Unit		16		Jalmat Yates 7 Rivers		oil & Gas?			
Location						S - T - R		Unit Letter		Footage of Well		Total Depth			
8/29/51						18 - 255 - 37E		D		660' FNL 660' FUL		3038' TD			
Date Drilled															
Wells Construction															
Casing Size						Weight LB/Ft.		Depth Set		Hole Size		Cementing Record		Amount Pulled	
8 5/8"						29.75		314.77		11"		150 SX		-	
5 1/2"						14.5.5		2897.04		7 7/8"		800 SX		-	
Name OF Operator						Farm or Lease Name		Well NO.		Field or Pool		Type OF Well			
Maralo, Inc						Maralo Jalmat Yates Unit		17		Jalmat Yates 7 Rivers		oil?			
Location						S - T - R		Unit Letter		Footage of Well		Total Depth			
12/31/53						18 - 255 - 37E		E		660 FNL 1980 FUL		3400 TD PB 2915			
Date Drilled															
Wells Construction															
Casing Size						Weight LB/Ft.		Depth Set		Hole Size		Cementing Record		Amount Pulled	
8 5/8"						29.75		1134.38		11"		800 SX			
5 1/2"						15.5		3265.00		7 7/8"		950 SX			

OIL CONSERVATION DIVISION
DISTRICT 1

DEC 27 1982

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

DATE Dec. 17, 1982

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed NSP _____
Proposed SWD _____
Proposed WFX X _____
Proposed PMX _____

Gentlemen:

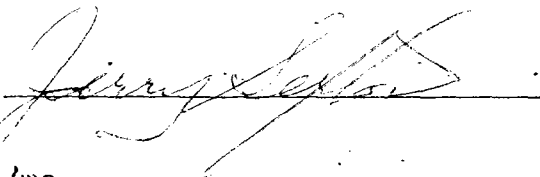
I have examined the application for the:

Maralo, Inc.	Jalmat Yates Unit	No. 30-K	18-25-37
Operator	Lease and Well No.	Unit, S - T - R	

and my recommendations are as follows:

O.K.----J.S.

Yours very truly,


/mc

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE