

12-17-04		Cutanaek	12-17-04	WFX	PSM0435229116
DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

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

Print or Type Name

Signature

Title

Date

e-mail Address

December 10, 2004

RECEIVED

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

DEC 17 2004

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

RE: Melrose Operating Company, Jalmat Field Sand Yates Unit, Lea County,
New Mexico: NMOCD C-108 Application

Please find enclosed the C-108 injection application to expand the waterflood in the Melrose Operating Company, Jalmat Field Sand Yates Unit. In preparing this application we utilized the wellbore diagrams that we had recently completed on the unit. The diagrams have all of the required documentation for radius wells, such as the date drilled, total depth, etc. In the event you would prefer to also have this data in a spreadsheet format, please contact or e-mail me as below.

Please feel free to call me with any questions or any further documentation pertaining to this application. Thank you.

Yours truly,



Ann E. Ritchie, Regulatory Agent
Melrose Operating Company
c/o P.O. Box 953
Midland, TX 79702
432 684-6381
432 682-1458-fax
ann.ritchie@wtor.net

cc: Tony Beilman, Engineer - Melrose

DATE IN	SUSPENSE	ENGINEER	LOGGED BY	TYPE
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Ann E. Ritchie
Print or Type Name

[Signature]
Signature

Regulatory Agent
Title

12-7-04
Date

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery Pressure Maintenance Disposal - Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Melrose Operating Company
ADDRESS: P.O. Box 953, Midland, TX 79702
CONTACT PARTY: Ann E. Ritchie, Regulatory Agent ⁴³² PHONE: 6846381
- 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 No Administrative Order # WFX-798
If yes, give the Division order number authorizing the project: Division Order # R-2243
- 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 geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Ann E. Ritchie ^{ann.ritchie@utor.net} TITLE: Regulatory Agent
SIGNATURE: [Signature] DATE: 11-30-04
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, within 15 days.

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

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

New Mexico Oil Conservation Division
Administrative Application for Form C-108
Application for Fluid Injection

MELROSE OPERATING COMPANY
Jalmat Field Sand Yates Unit
Well Numbers 111, 115, 121, 122 and 126
Sections 11 and 14, T22S, R35E, N.M.P.M.
Lea County, New Mexico

III.: WELL DATA: Wellbore diagrams are attached and summary data is as follows:

A.

Well # 111: Sec 11, T22S, R35E, API # 30 025 08582, 1980 FNL & 660 FWL, current oil well (SI), drilled 6-14-58, completed 7-28-58, TD 4080', casing: 5 1/2" set @ 1950' w/452 sx cmt, TOC @ 699'; 3" set from 1902-4080' w/225 sx cmt, TOC @ 1902'. Will squeeze @ 420' to circulate cement behind 5 1/2". Propose 2 3/8" tubing @ 3850' w/Baker AD-1 tension packer @ 3850'. Current Perforations @ 3902-4024'.

Well # 115: Sec 11, T22S, R35E, API# 30 025 08586, 1980 FSL & 330 FEL, Current oil well (SI), drilled 3-1-57, completed 3-24-57, TD 4033', Casing: 8 5/8" to 334' w/225 sx circulated to surface; 5 1/2" @ 4033' w/1088 sx cmt TOC @ 980'. 2 3/8" tubing @ approx. 3800' w/Baker AD-1 tension packer @ 3800', Current perforations @ 3844-3990'.

Well # 121: Sec 11, T22s, R35E, API #30 025 08588, 660 FSL & 2310 FWL, current Injection (SI), drilled 2-15-58, completed 4-4-58, TD 4052, casing 8 5/8" @ 339 w/225 sx cmt to surface; 5 1/2" @ 4051' w/630 sx cement, TOC @ 1775'. 2 3/8" tubing @ 3800' w/Baker AD-1 Tension packer @ 3800', perforations @ 3852-4013'.

Well # 122: Sec 11, T22S, R35E, API #30 025 08592, 660 FSL & 990 FWL, Current oil well (SI), drilled 4-17-58, completed 5-12-58, TD 4050', Casing: 8 5/8" @ 335 w/225 sx cmt, circulated to surface, 5 1/2" @ 4050' w/870 sx cmt, TOC @ 1390'. 2 3/8" tubing @ 3800' w/Baker AD-1 Tension packer @ 3800', perforations @ 3885-3998'.

Well #126: Sec 14, T22S, R35E, API #30 025 08615, 660 FNL & 2310 FWL, current SI oil well, drilled 2-11-58, completed 6-18-58, TD 4069', casing 8 5/8" @ 340' w/225 sx cmt to surface, 5 1/2" @ 4069' w/700 sx – calc to surface. 2 3/8" tubing @ 3800' w/ Baker AD-1 tension packer @ 3800'; perforations @ 3835-3964'.

- B.** The injection formation for wells 111, 115, 121, 122 & 126 is the Yates/Seven Rivers. Injection interval is proposed from 3750-4200'. All of the above wells were drilled as producing oil wells in the Jalmat Field Yates Sand pool. The next shallow oil or gas zone is the Queen @ approximately 1650' and the next deeper oil or gas zone is the Abo @ approx 6200'.

IV.: This is an expansion of an existing waterflood project. Existing Division Order #R-2243 – April 25, 1962 and most recent Administrative Order #WFX-798. Copies of these Orders are attached.

V.: AREA OF REVIEW: See attached maps for 1/2 mile radius & 2 mile radius.

VI.: Tabulation of data on wells within 1/2 mile radius: See attached wellbore diagrams tabulating all wells within a 1/2 mile radius of each well as stated above. Each wellbore exhibits well type, construction, date drilled, location, depth, completion, along with OCD plugging reports for each well that is plugged in the 1/2 mile radius area of each proposed injection well.

VII.: Data on proposed injection wells:

1. The proposed average rate of injection is 500 bbls per day, the proposed maximum injection rate is 1500 bbls per day.
2. This is a closed system.
3. The proposed average injection pressure is 775# per well and the maximum proposed injection pressure is 1500# per well.
4. Sources of injection water will be from the Penrose/Queen/Grayburg/San Andres
5. Chlorides are listed on the attached water analysis.

VIII.: Geologic data has been previously submitted for Division Order No. R-2243, May 27, 1962 and also Administrative Order No. WFX-633, May 14, 1992.

IX: At this time no stimulation program is proposed for the injection interval.

X.: Logs have been previously submitted.

XI.: The fresh water is estimated to be @ 350-400' according to the New Mexico Oil Conservation Division recommendations for this area and by landowner. Water analysis attached.

XII.: To the best of current knowledge of this area, there is no evidence of open faults or other hydrologic connection between the injection zone and any underground sources of drinking water.

XIII.: Please see attached to Affidavit of Publication from the Hobbs Daily Sun newspaper. Melrose Operating Co. & Tempo Energy are the only two operators within 1/2 mile of the applied for injection wells.

Notification has been submitted by certified mail to:

Tempo Energy, P.O. Box 9515, Midland, TX 79702 – Offset Operator.
John Pearson, Merchant Livestock Co., Box 1166, Carlsbad, NM 88221
- Surface Owner.

As stated in the publication parties must file objections or requests for hearing with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505 within 15 days of publication/notification. A copy of the NMOCD Form C-108 and Well Data Sheets and plat have been submitted to the above stated parties on this the 7th day of December, 2004.

XIV. Certification: See attached NMOCD Form C-108.

CERTIFIED MAIL

7099	3400	0016	0187	2720
7099	3400	0016	0187	2720

(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$.60	Postmark Here
Certified Fee	2.30	
Return Receipt Fee (Endorsement Required)	1.75	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.65	

Recipient's Name (Please Print Clearly) (to be completed by mailer)
Tempo Energy
 Street, Apt. No., or PO Box No.
P.O. Box 9515
 City, State, ZIP+4
Midland, TEXAS 79702

PS Form 3800, February 2000 See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE
TO THE RIGHT OF RETURN ADDRESS

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Tempo Energy
P.O. Box 9515
Midland, Texas 79702

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) _____ B. Date of Delivery _____

C. Signature _____ ☐ Agent
☒ Addressee ☐ Yes

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type ☐ Express Mail
☒ Certified Mail ☒ Return Receipt for Merchandise
☐ Registered ☐ C.O.D.
☐ Insured Mail

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Copy from service label)

7099 3400 0016 0187 2720

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

Melrose Operating Company
c/o P.O. Box 953
Midland, Texas 79702

CERTIFIED MAIL

UNITED STATES POSTAGE
170 43429 04.650 DEC 14 04
2797 MAILED FROM ZIP CODE 79701

7099 3400 0016 0187 2782
7099 3400 0016 0187 2782

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$.60	Postmark Here
Certified Fee	2.30	
Return Receipt Fee (Endorsement Required)	1.75	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.65	

Recipient's Name (Please Print Clearly) (to be completed by mailer)
John Pearson / Merchant Livestock Co.
Street, Apt. No., or PO Box No.
P.O. Box 1166
City, State, ZIP+4
Carlsbad, New Mexico 88221

PS Form 3800, February 2000 See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE
TO THE RIGHT OF RETURN ADDRESS.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

John Faresen
Mekahast Livestock Co.
P.O. Box 1166
Carlsbad, New Mexico
88221

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

X

☐ Agent
☐ Addressee

D. Is delivery address different from item 1? If YES, enter delivery address below:

☐ Yes
☐ No

3. Service Type

- ☒ Certified Mail
- ☐ Registered
- ☐ Insured Mail
- ☐ Express Mail
- ☒ Return Receipt for Merchandise
- ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

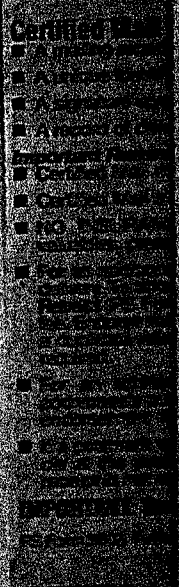
2. Article Number (Copy from service label)

7099 3400 0016 0187 2782

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952



AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

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

of 1

weeks.

Beginning with the issue dated

October 30 2004

and ending with the issue dated

October 30 2004

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 31st day of

October 2004

Josephine Bowles
Notary Public.

My Commission expires
November 27, 2004
(Seal)

LEGAL NOTICE
October 30, 2004

Melrose Operating Company, c/o P.O. 953; Midland, TX 79702 will file the New Mexico Oil Conservation Division Form C-108, Application for Authorization to Inject, with the NMOCD seeking administrative approval for water injection to expand their Jalmat Field Yates Sand Unit waterflood project for the following wells: Well # 111-660 FWL & 1980 FNL; Well # 115- 330 FEL & 1980 FSL; Well #121 - 660 FSL & 2310 FWL; Well #122 - 990 FWL & 660 FSL all wells located in Section 11, T22S, R35E. Also, Well # 126 located in Section 14, T22S, R35E - 660 FNL & 2310 FWL, all located in Lea County, New Mexico. The proposed injection interval is from 3750' to 4200'. The proposed maximum surface pressure is 750 psi., with a maximum injection rate of 1500 bbls water per day, per well. The injection water will be sourced from the Jalmat Field Yates Sand Unit, producing from the Tansill, Yates & Seven Rivers formations, along with anticipated water from the Santa Rosa formation.

All interested parties opposing the application must file objection with the New Mexico Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505 within 15 days of this notice. Additional information can be obtained by contacting Ann Ritchie, Regulatory Agent, Melrose Operating Company, c/o P.O. Box 953, Midland, TX 79702, (432) 684-6381.
#21061

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.

67100851000 67526045
West Texas Oil Reports
PO Box 953
MIDLAND, TX 79702

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2546
Order No. R-2243

APPLICATION OF THE BRITISH AMERICAN
OIL PRODUCING COMPANY FOR A WATER-
FLOOD PROJECT, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 25, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 28th day of May, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the Jalmat Field-Yates Sand Unit has heretofore been approved by the Commission by Order No. R-2235; that the Jalmat Field-Yates Sand Unit Area comprises 2,680 acres in Township 22 South, Range 35 East, NMPM, Lea County, New Mexico, as more fully described in said order.

(3) That the applicant, The British American Oil Producing Company, seeks permission to institute a waterflood project in the Jalmat Field-Yates Sand Unit Area by the injection of water into the Yates formation of the Jalmat Pool initially through 16 wells located within said unit area.

(4) That the wells in the subject waterflood project are properly classified as "stripper" wells.

(5) That the subject application should be approved and should be made subject to the provisions of Rule 701.

(6) That restrictions should be imposed upon the method used to inject water in order to protect fresh water-bearing formations in the area.

-2-

CASE No. 2546

Order No. R-2243

IT IS THEREFORE ORDERED:

(1) That The British American Oil Producing Company is hereby authorized to institute a waterflood project in the Jalmat Field-Yates Sand Unit Area, located in Township 22 South, Range 35 East, NMPM, Lea County, New Mexico, by the injection of water initially through the following-described wells:

Amerada-State WE-J Well No. 2, Unit D, Section 11;
Aztec-State J-10 Well No. 1, Unit P, Section 10;
British American-Hull State "F" Well No. 1, Unit P,
Section 11;
British American-Hull State "F" Well No. 4, Unit H,
Section 11;
British American-Hull State "F" Well No. 5, Unit O,
Section 11;
British American-Hull State "F" Well No. 7, Unit J,
Section 11;
British American-Hull State "F" Well No. 10, Unit F,
Section 11;
British American-Hull State "F" Well No. 13, Unit B,
Section 11;
British American-New Mexico "B" Well No. 8, Unit B,
Section 14;
Carper Drilling Company-Randel "A" Well No. 5, Unit N,
Section 2;
Carper Drilling Company-Randel "C" Well No. 3, Unit N,
Section 12;
Carper Drilling Company-Randel "C" Well No. 4, Unit L,
Section 12;
Gulf-Janda "K" Well No. 2, Unit F, Section 14;
Gulf-Janda "K" Well No. 3, Unit N, Section 14;
Gulf-Janda "K" Well No. 5, Unit D, Section 14; and
Gulf-Janda "K" Well No. 6, Unit L, Section 14.

(2) That the subject waterflood project shall be governed by the provisions of Rule 701.

(3) That water injection shall be accomplished either by injecting into all sands through one string of tubing under a packer or by injecting selectively through two strings of tubing under a packer; provided, however, that in the case of selective injection wells which are equipped with less than 5 1/2-inch pipe, selective injections may be made through one string of tubing under a packer and through the casing-tubing annulus in which case the casing must have been perforated and squeeze-cemented from total depth to the shoe of the surface string of casing.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

-3-

CASE No. 2546

Order No. R-2243

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

esr/



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ADMINISTRATIVE ORDER NO. WFX-633

*APPLICATION OF SMITH & MARRS, INC. TO EXPAND ITS WATERFLOOD PROJECT
IN THE JALMAT POOL IN LEA COUNTY, NEW MEXICO*

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-2243, Smith & Marrs, Inc. has made application to the Division on May 14, 1992, for permission to expand its Jalmat Field - Yates Sand Unit Waterflood Project in the Jalmat Pool in Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection well is eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced Jalmat Field - Yates Sand Unit Waterflood Project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

Administrative Order WFX-633
Smith & Marrs, Inc.
May 27, 1992
Page 2

IT IS THEREFORE ORDERED THAT:

The applicant, Smith & Marrs, Inc., be and the same is hereby authorized to inject water into the Tansill, Yates & Seven Rivers formations at approximately 3844 feet to approximately 3946 feet through 2 inch plastic lined tubing set in a packer at approximately 3744 feet in the following described well shown on Exhibit "A" attached hereto for purposes of secondary recovery to wit.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 769 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Tansill, Yates and Seven Rivers formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity tests so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Hobbs district office of the Division of the failure of the tubing, casing or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

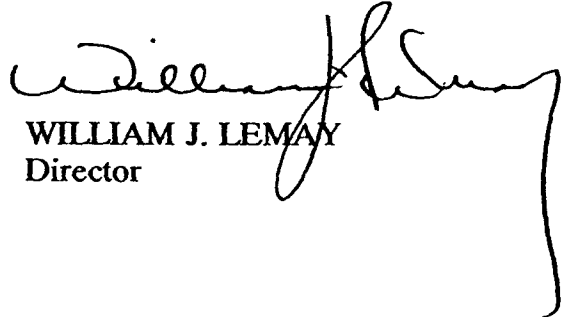
Administrative Order WFX-633
Smith & Marrs, Inc.
May 27, 1992
Page 3

The subject well shall be governed by all provisions of Division Order No. R-2243, as amended and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

DONE at Santa Fe, New Mexico, on this 27th day of May, 1992.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

jc/

cc: Oil Conservation Division - Hobbs



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor

Joanna Prukop
Cabinet Secretary
Acting Director
Oil Conservation Division

ADMINISTRATIVE ORDER NO. WFX-798

APPLICATION OF MELROSE OPERATING COMPANY TO EXPAND ITS WATERFLOOD PROJECT IN THE JALMAT OIL & GAS POOL IN LEA COUNTY, NEW MEXICO

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Order No. R-2243, Melrose Operating Company has made application to the Division on December 1, 2003 for permission to expand its Jalmat Field Yates Sand Unit Waterflood Project in the Jalmat Oil & Gas Pool in Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application was filed in due form.
- (2) Satisfactory information was provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection wells are eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced waterflood project will not cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED THAT:

The applicant, Melrose Operating Company, is hereby authorized to inject water into the Tansill, Yates and Seven Rivers formations (Jalmat Oil & Gas Pool), through the gross interval from approximately 3,876 feet to 4,018 feet using 2-3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the following described wells for purposes of secondary recovery to wit:

Jalmat Field Yates Sand Unit Well No. 109 (API No. 30-025-08594)

1980' FNL & 2310' FEL (Unit G) Section 11, Township 22 South, Range 35 East

Injection Interval: Perforated 3,876 feet to 3,972 feet

Maximum Surface Injection Pressure: 775 psi

Jalmat Field Yates Sand Unit Well No. 113 (API No. 30-025-08589)

1980' FSL & 2310' FWL (Unit K) Section 11, Township 22 South, Range 35 East

Injection Interval: Perforated 3,893 feet to 4,018 feet

Maximum Surface Injection Pressure: 779 psi

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the wells, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure to 0.2 psi per foot of depth to the uppermost injection perforations or open-hole interval in each of the wells.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said wells that such higher pressure will not result in migration of the injected fluid from the Tansill, Yates and Seven Rivers formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Hobbs district office of the Division of the date and time: i) of the installation of injection equipment in each of the injection wells; and ii) of the mechanical integrity tests so that these operations may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Hobbs District Office of the Division of the failure of the tubing, casing or packer in said wells and shall take such steps as may be timely and necessary to correct such failure or leakage.

The subject wells shall be governed by all provisions of Division Order No. R-2243 and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject wells, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

DONE at Santa Fe, New Mexico, on this 5th day of April, 2004.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



DAVID CATANACH
Engineer/Examiner

S E A L

DRC

cc: Oil Conservation Division – Hobbs
Bureau of Land Management - Carlsbad
Case File No. 2546

Analytical Laboratory Report for:

**MELROSE OPERATING
COMPANY****BJ Unichem
Chemical Services**

UNICHEM Representative: Hanson, Lavell

Production Water Analysis

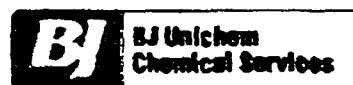
Listed below please find water analysis report from: Jalmat Sand Unit, IPD

Lab Test No: 2003144500 Sample Date: 11/03/2003
Specific Gravity: 1.054
TDS: 80968
pH: 7.50

Cations:	mg/L	as:
Calcium	2860	(Ca ⁺⁺)
Magnesium	3066	(Mg ⁺⁺)
Sodium	27413	(Na ⁺)
Iron	9.00	(Fe ⁺⁺)
Barium	2.40	(Ba ⁺⁺)
Strontium	58.30	(Sr ⁺⁺)
Manganese	1.04	(Mn ⁺⁺)
Anions:	mg/L	as:
Bicarbonate	708	(HCO ₃ ⁻)
Sulfate	1650	(SO ₄ ⁻)
Chloride	45200	(Cl ⁻)
Gases:		
Carbon Dioxide	60	(CO ₂)
Hydrogen Sulfide	68	(H ₂ S)

MELROSE OPERATING
COMPANY

Lab Test No: 2003144500



**DownHole SAT™ Scale Prediction
@ 104 deg. F**

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO ₃)	19.99	.764
Aragonite (CaCO ₃)	16.89	.757
Witherite (BaCO ₃)	.00324	-22.85
Strontianite (SrCO ₃)	.488	-1.17
Magnesite (MgCO ₃)	26.49	.852
Anhydrite (CaSO ₄)	.719	-93.49
Gypsum (CaSO ₄ *2H ₂ O)	.759	-50.84
Barite (BaSO ₄)	5.82	1.18
Celestite (SrSO ₄)	.149	-158.1
Silica (SiO ₂)	0	-51.94
Brucite (Mg(OH) ₂)	.00494	-.216
Magnesium silicate	0	-121.19
Siderite (FeCO ₃)	83.53	.918
Halite (NaCl)	.02	-164080
Thenardite (Na ₂ SO ₄)	< 0.001	-77885
Iron sulfide (FeS)	656.12	4.79

Interpretation of DH8at Results:

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

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

.O.BOX 2187
HOBBS, N.M. 88240



PHONE: (505) 393-7726

W A T E R A N A L Y S I S R E P O R T

Report for: John Pool
cc: Chuck Morgan
cc: Cam Robbins
cc:
Company: SDX Resoures , Inc.
Address:
Service Engineer: John Cornwell

Date sampled: 02/23/95
Date reported: 03/01/95
Lease or well # : JalMat #113
County: State:
Formation:
Depth:
Submitted by: John Cornwell

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	4000	113
Iron (Fe) (total)	1.0	
Total hardness	1500	
Calcium (Ca)	320	16
Magnesium (Mg)	170	14
Bicarbonates (HCO3)	414	7
Carbonates (CO3)	0	
Sulfates (SO4)	540	11
Hydrogen sulfide (H2S)	0	
Carbon dioxide (CO2)	0	
Sodium (Na)	2327	101
Total dissolved solids	7773	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
Specific Gravity	1.005	
Density (#/gal.)	8.375	
pH	7.080	
IONIC STRENGTH	0.15	

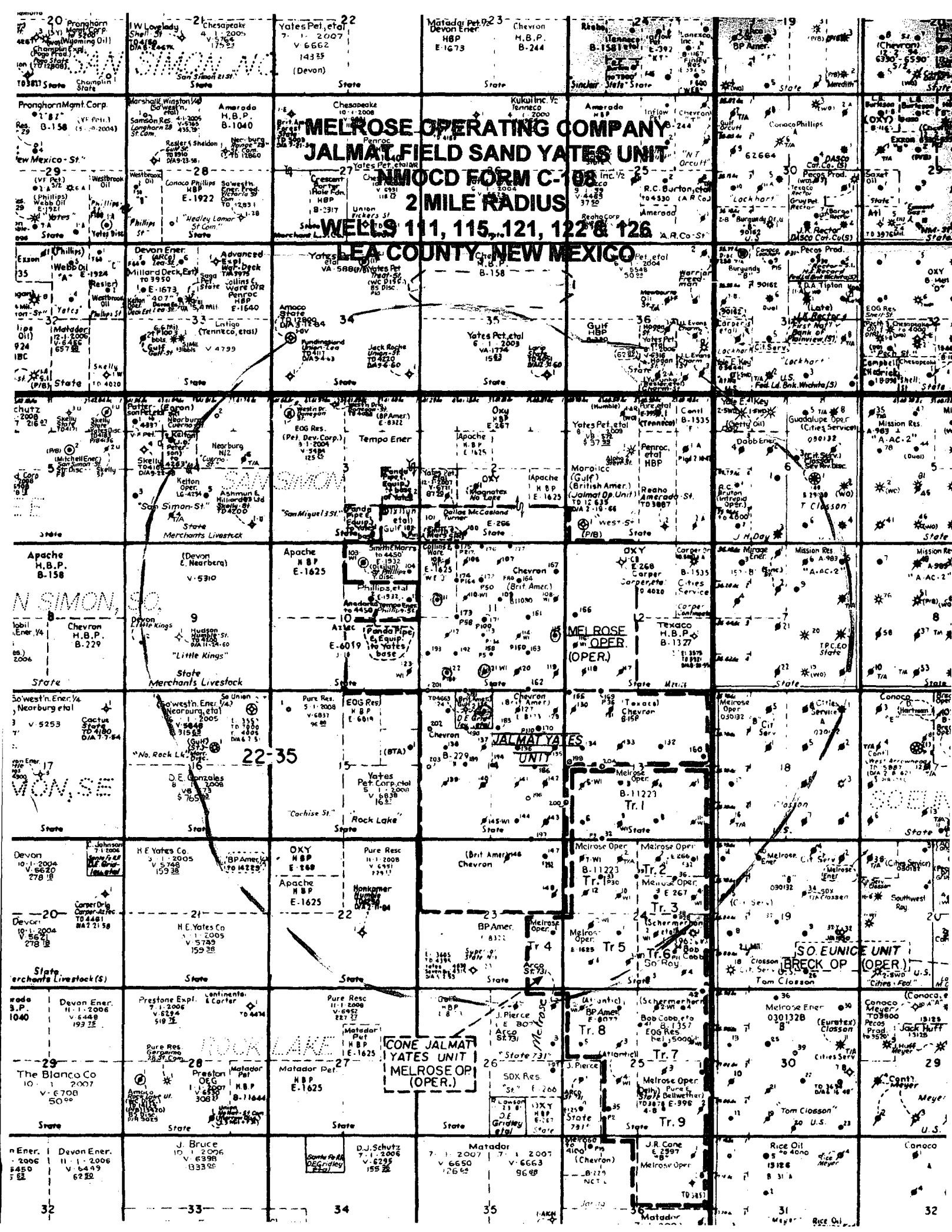
Stiff-Davis (CaCO3) Stability Index :
SI = pH - pCa - pAlk - K

SI @ 86 F = +0.20
104 F = +0.42
122 F = +0.66
140 F = +0.91
158 F = +1.18

This water is 2406 mg/l (-79.35%) under ITS CALCULATED
CaSO4 saturation value at 82 F.
SATURATION= 3032 mg/L PRESENT= 626 mg/L

REPORTED BY JOY DUNCAN

LAB TECHNICIAN



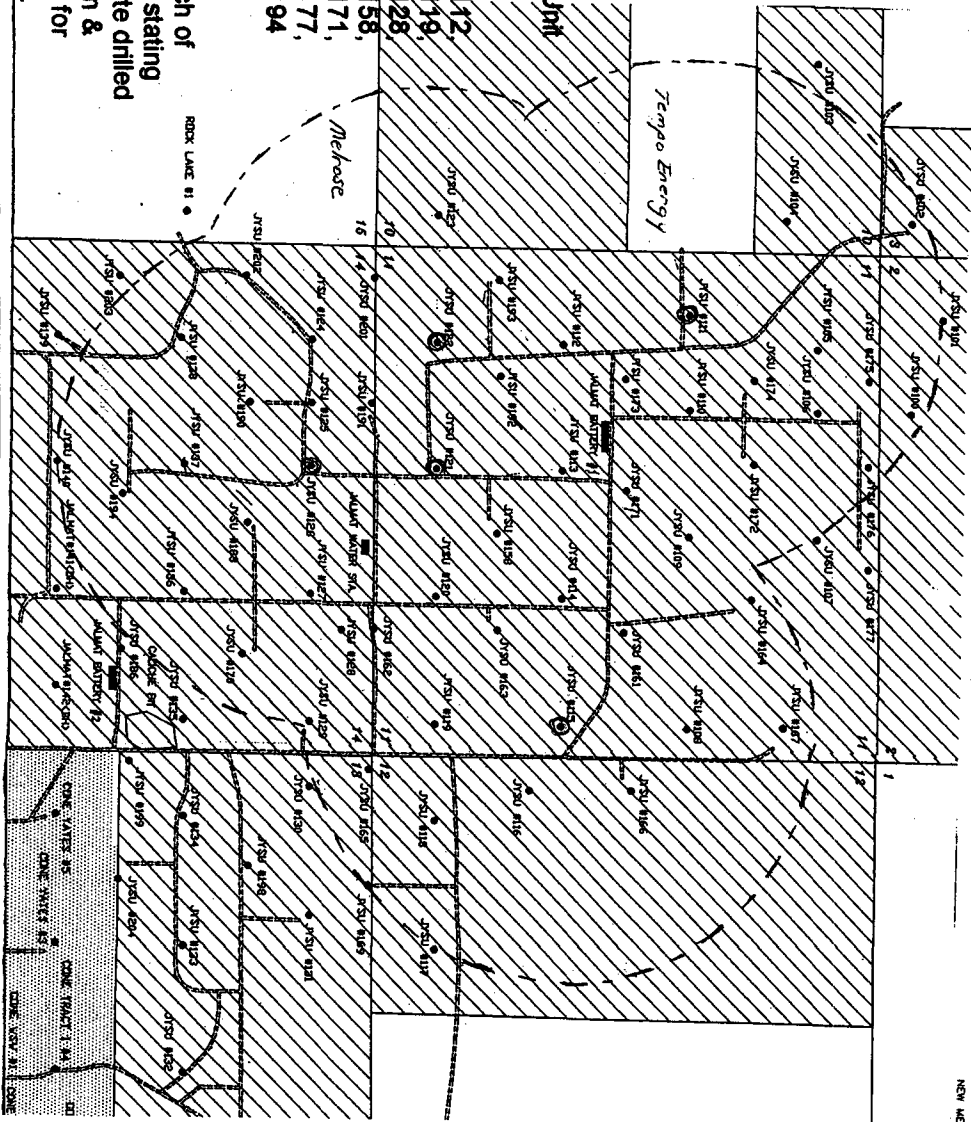
SECTIONS 2, 3, 10, 11, 12, 13, 14, 15, 23, 24, 25 & 36, TOWNSHIP 22 SOUTH, RANGE 35 EAST, N. LEA COUNTY, NEW MEX.

Radius Wells
1/2 mile of
well # 111, 115,
121, 122 & 126

Jalmat Field Yates Sand Unit

#100, 101, 102, 104,
105, 106, 107, 109, 110, 112,
113, 114, 116, 117, 118, 119,
120, 123, 124, 125, 127, 128,
129, 136, 137, 138, 140, 158,
161, 163, 164, 166, 170, 171,
172, 173, 174, 175, 176, 177,
180, 191, 192, 193, 194

Well bore diagrams of each of
The above wells attached stating
well type, construction, date drilled
location, depth, completion &
copies of plugging reports for
all plugged wells in radius.



LEGEND

MEIROSE OPERATING COMPANY			
EXISTING AND PLUGGED WELLS AND ROADS IN SECTIONS 2, 3, 10, 11, 12, 13, 14, 15, 23, 24, 25 & 36, TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY NEW MEXICO			
DEPOTES WELL	•	Sheet	1 of 1 Sheets
DEPOTES ROADS	—	W.O. Number:	04.11.0175
DEPOTES JALMAT YATES AREA	—	Drawn By:	LMP
		Rev:	2/27/04
		Date:	2/27/04
		DISK:	CD 04
		Scale:	1" = 2000'

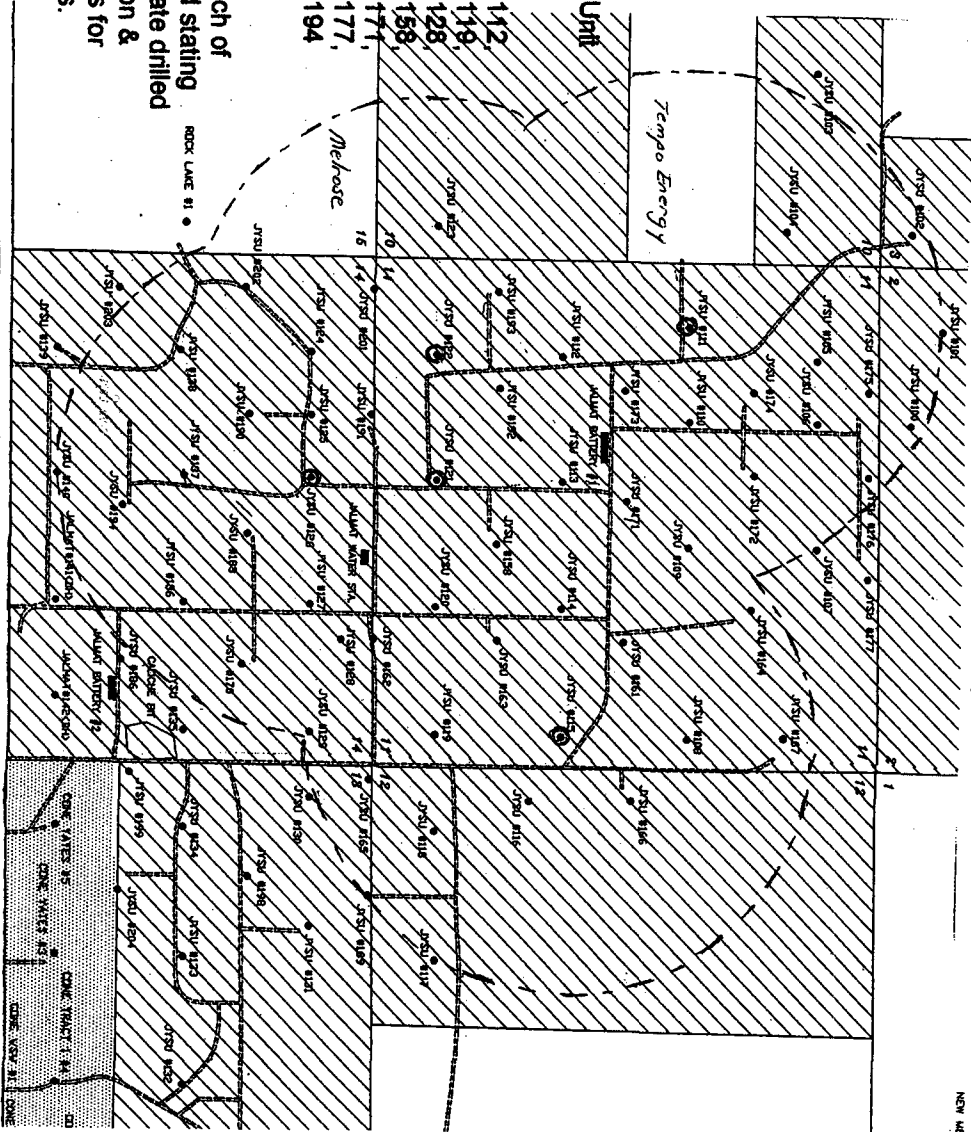
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DENOTES JALMAT YATES AREA			
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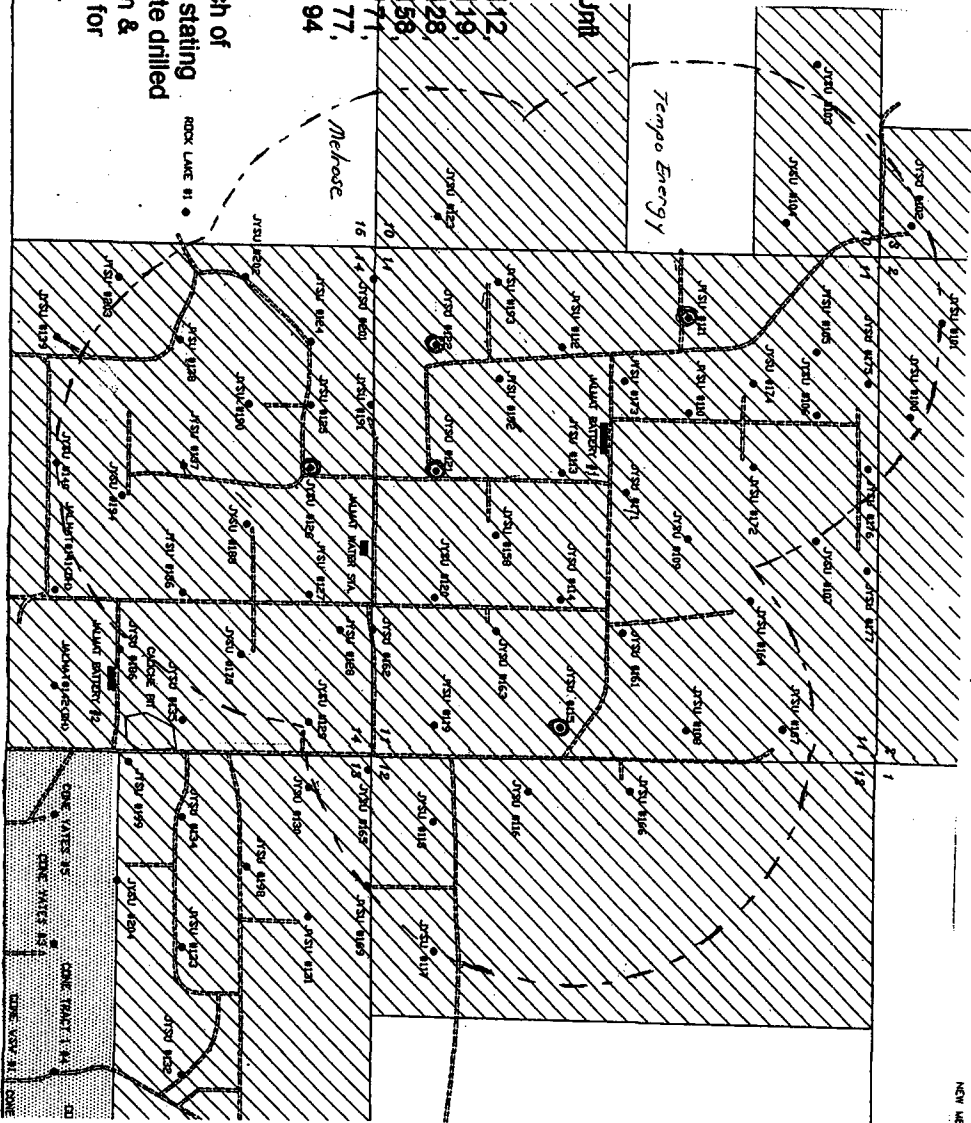
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Survey Date: 1/27/04	Sheet 1	of 1	Sheets
W.O. Number: 04.11.0175	Drawn By: LMP	Rev: 2/27/04	
Date: 2/27/04	DISK: CD 04	04110175_24X36	Scale: 1" = 2000'

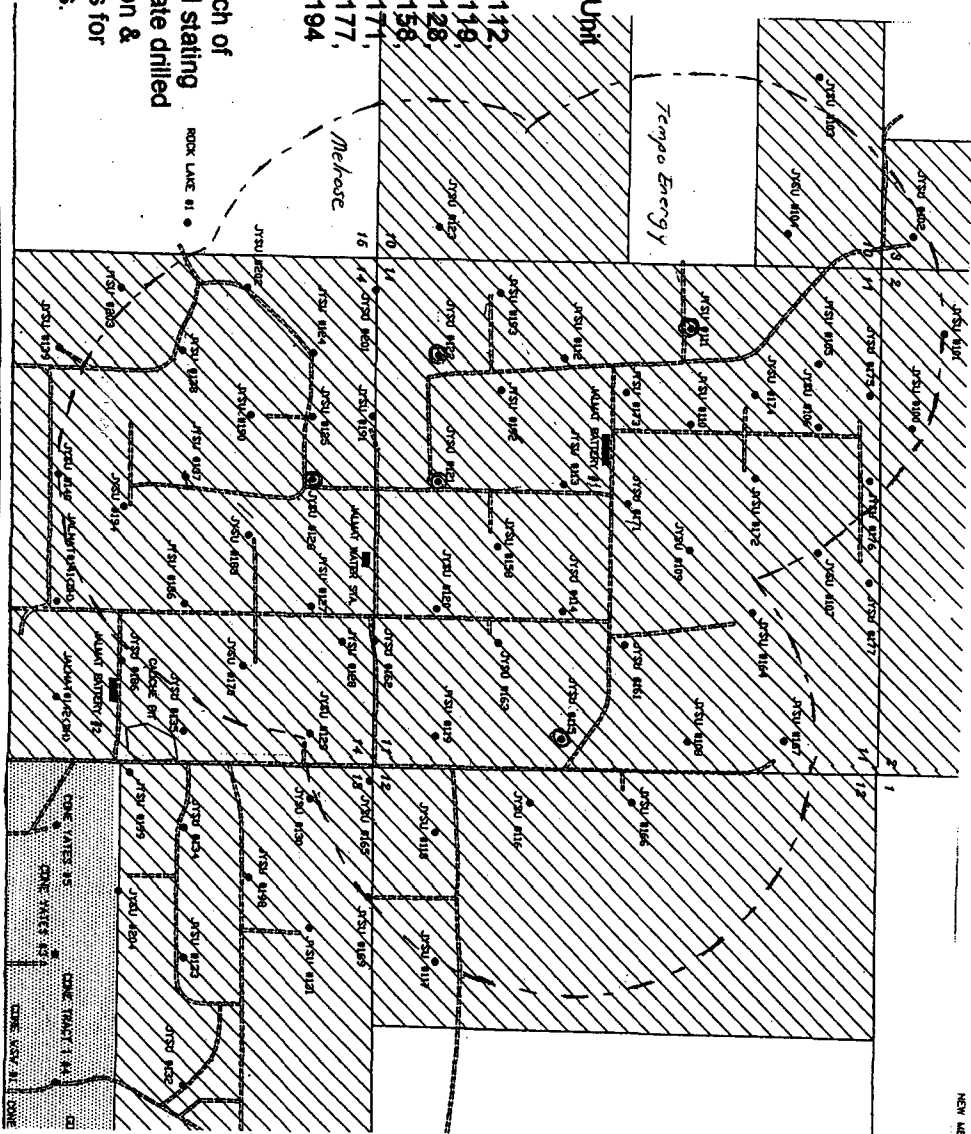
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W.O. Number: 04.11.0175	Drawn By: LMP	Rev: 2/27/04	
Date: 2/27/04	DISK: CD 04	04110175_2A38	Scale: 1" = 2000'

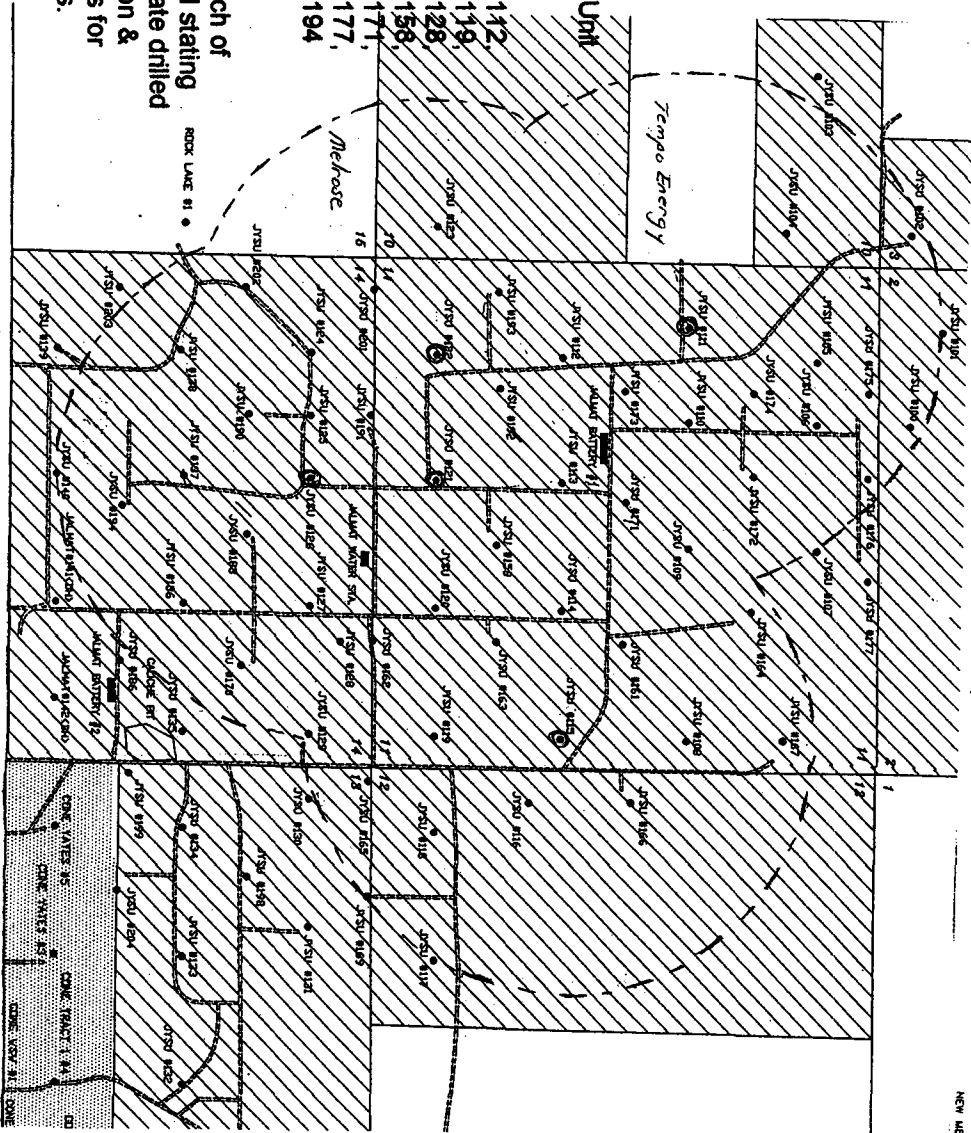
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MELROSE OPERATING COMPANY

**WELLBORE DIAGRAM/DATA
& PLUGGING REPORTS (where applicable)**

JALMAT FIELD SAND YATES UNIT

½ MILE RADIUS WELLS

FOR

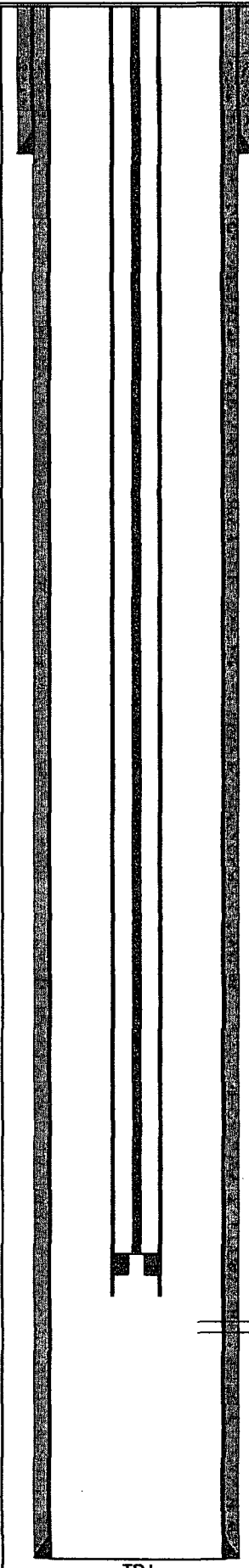
WELLS # 111, 115, 121, 122, & 126

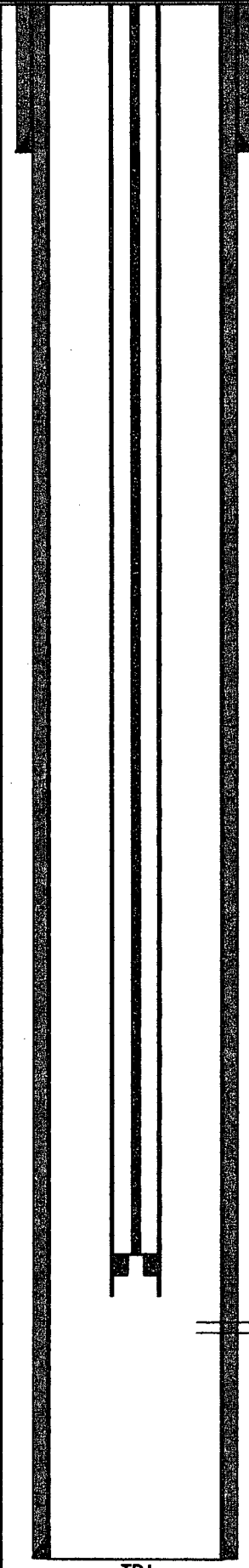
INCLUDING DIAGRAMS FOR

APPLIED FOR

WELLS # 111, 115, 121, 122 & 126

FORM	TOP			Jalmat #100																																																					
		CURRENT WELLBORE DIAGRAM																																																							
		Melrose Operating Company																																																							
		SU-T-R 2-22S-36E		API #: 30-025-08567																																																					
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																																							
		CO, ST: LEA, NEW MEXICO		LAND TYPE: STATE																																																					
		STATUS: Plugged		ACREAGE 40.12																																																					
		LATEST RIG WORKOVER:																																																							
		DIAGRAM REVISED: 7/15/2004																																																							
		LOG ELEVATION: N/R GROUND ELEVATION: 3611 DF																																																							
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Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-99

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.

30-025-08583

Indicate Type of Lease

STATE ☒

FEE ☐

State Oil & Gas Lease No.

E 1625

Lease Name or Unit Agreement Name

Jalmat Field Yates Sand Unit

Well No.

105

Pool name or Wildcat

Jalmat (TN-YT-SR)

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

Type of Well:

OIL
WELL ☐

GAS
WELL ☐

OTHER WIW

Name of Operator

Melrose Operating

Address of Operator

PO Box 5061, Midland, TX 79704

Well Location

Unit Letter D 660 Feet From The North Line and 990 Feet From The West Line

Section 11 Township 22S Range 35E NMPM Lea County

Elevation (Show whether DF, RKB, RT, GR, etc.)

3623' DF

11

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ANBANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5/23/00 Notify OCD. MI & RU

5/24/00 RU for 2-1/16" tbg. LD tbg (118 jts). RIH & tag CIBP @ 3797'. Circ 10# mud. Spot 25 sx @ 2797 - 3500'. POH & spot 25 sx @ 2070'-1870'. POH. Close in well.

5/25/00 RIH & cut csg @ 385'. RIH & spot 55 sx @ 435'. POH & WOC. RIH & tag cmt @ 258'. POH & spot 10 sx @ surf. Cut off wellhead. Level Pit & cellar. Install dry hole marker. Move out.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Bonnie Atwater

TITLE Regulatory Tech

DATE 07-27-00

TYPE OR PRINT NAME Bonnie Atwater

TELEPHONE NO. 915/685-1761

(This space for State Use)

APPROVED BY

Johnny Rolando

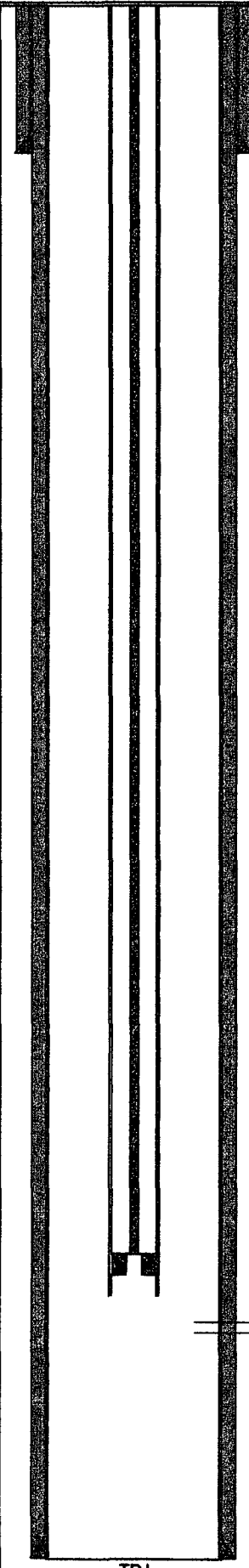
TITLE COMPLIANCE OFFICER

DATE

APR 03 2002

CONDITIONS OF APPROVAL, IF ANY:

FORM	TOP																																		
		Jalmat #105: 990 FWL & 660 FNL CURRENT WELLBORE DIAGRAM Melrose Operating Company																																	
		Sec-T-R 11 -22S-36E	API #: 30-025- 8583																																
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																	
		CO, ST: LEA, NEW MEXICO	LAND TYPE: STATE																																
		STATUS: P & A	ACREAGE 40.12																																
		LATEST RIG WORKOVER: P & A 5/25/2000																																	
		DIAGRAM REVISED: #####																																	
		LOG ELEVATION: N/R GROUND ELEVATION: '																																	
		Date Drilled: 1-3-1959 P & A : 5-25-2000 5-24-00: Tagged CIBP @ 3797' Spotted 25 sx from 2797-3500' Spotted 25 sx from 1870-2070 Spotted 55 sx @ 435' Tagged cement @ 258', spotted 10 sx @																																	
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FORM	TOP												
		Jalmat #106: 660 FNL & 1650 FWL											
		CURRENT WELLBORE DIAGRAM											
		Melrose Operating Company											
		Sec-T-R 11 -22S-36E		API #: 30-025- 8595									
		POOL: JALMAT;TAN-YATES-7 RVRS (PRO GAS)											
		CO, ST: LEA, NEW MEXICO		LAND TYPE: STATE									
		STATUS: SI-oil		ACREAGE 40.12									
		LATEST RIG WORKOVER:											
		DIAGRAM REVISED: #####											
		<p>Date drilled: 9-30-1958</p> <p>SELECT PERFS:</p> <p>3874-4004</p> <p>casing set 5 1/2 4,039</p> <p>TD'</p> <p>Current</p>		LOG ELEVATION: N/R		GROUND ELEVATION: ' 3622							
CASING				LINER	TUBING								
Hole													
Pipe	8 5/8			5 1/2		2 3/8"							
Weight						4.7#							
TOC	surface			1490' TS									
Thread													
Depth	336			4,039									
Cmt	200			268									
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<p>QUEEN ZONE HISTORY</p>													

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
E-8244

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <u>Water Injection Well</u> <u>Jalmat</u>	7. Unit Agreement Name
2. Name of Operator	8. Farm or Lease Name
<u>Gulf Oil Corporation</u>	
3. Address of Operator	9. Well No.
<u>Box 670, Hobbs, New Mexico 88240</u>	<u>107</u>
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER <u>B</u> , <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>2310</u> FEET FROM	<u>Jalmat</u>
THE <u>East</u> LINE, SECTION <u>11</u> TOWNSHIP <u>22-S</u> RANGE <u>35-E</u> N.M.P.M.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
<u>3604' GL</u>	<u>Lea</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	<u>Plugged and abandoned</u>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

4010' TD, 4004' PB.

Pulled producing equipment. Ran CI BP and set at 3831'. Loaded hole with gel water. Spotted 5 sack cement plug on top of BP. Spotted 15 sack cement plug from 2008' to 1842', across salt. Spotted 10 sack cement plug from 100' to surface. Installed dry hole marker and cleaned location. Plugged and abandoned June 18, 1974

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>[Signature]</u>	TITLE <u>Area Engineer</u>	DATE <u>June 18, 1974</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>Geologist</u>	DATE <u>SEP 18 1974</u>
CONDITION OF APPROVAL, IF ANY:		

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FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-2682	

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name Jalmat Field Yates San
2. Name of Operator Gulf Oil Corporation	8. Farm or Lease Name
3. Address of Operator P. O. Box 670, Hobbs, N.M. 88240	9. Well No. 118
4. Location of Well UNIT LETTER <u>M</u> <u>660</u> FEET FROM THE <u>south</u> LINE AND <u>660</u> FEET FROM THE <u>west</u> LINE, SECTION <u>12</u> TOWNSHIP <u>22S</u> RANGE <u>35E</u> NMPM.	10. Field and Pool, or Wildcat Jalmat
15. Elevation (Show whether DF, RT, CR, etc.) 3612' GL	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
		OTHER <u>Plug and Abandonment</u> <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

3952' TD. 3949' PB. Ran CI BP and set at 3725'. Loaded hole with 86 barrels of water containing 15 sacks of Bentonite. Mud weight 8.4#. Spotted 10 sacks cement on top of BP. Spotted 6 sacks cement from 50' to surface. Installed dry hole marker and cleaned location. Plugged and abandoned 2-14-72.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED C. D. Katterer TITLE Area Engineer DATE 2-14-72
APPROVED BY Nathan E. Olegg TITLE OIL & GAS INSPECTOR DATE MAR 8 1972

Needs to go back in file

[illegible]

FORM	TOP	Jalmat #118: 660 FSL & 660 FWL			
		CURRENT WELLBORE DIAGRAM			
		Melrose Operating Company			
		SU-T-R	12-22S-35E	API #: 30-025-	E-2682
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)			
		CO, ST: LEA, NEW MEXICO		LAND TYPE: STATE	
		STATUS: Plugged		ACREAGE 40.12	
		LATEST RIG WORKOVER:			
		DIAGRAM REVISED: #####			

Well P & A 2-14-72..

CIBP @ 3725' w/10 sx cmt on top.

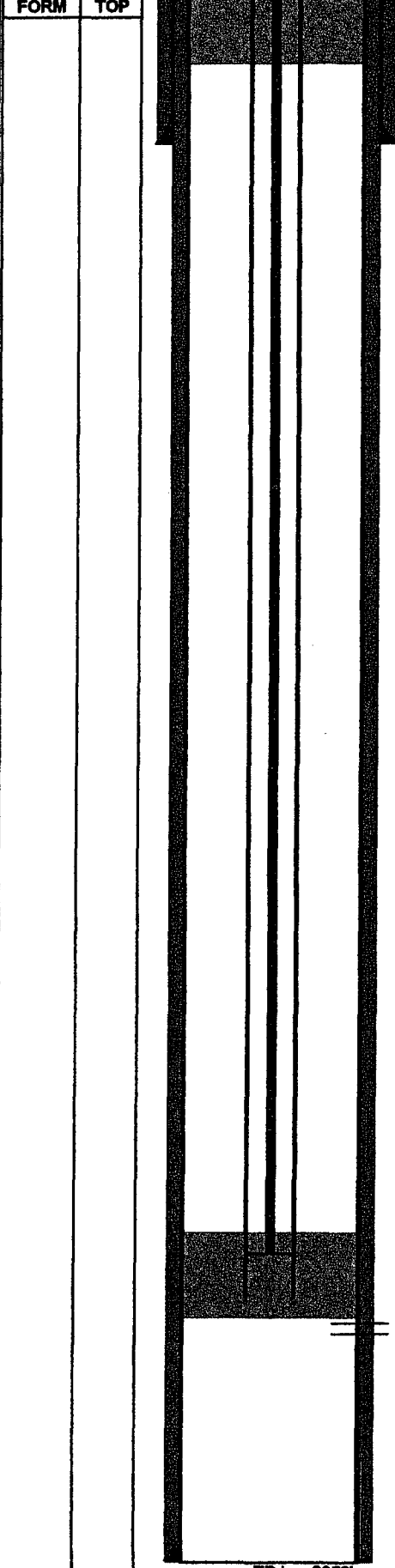
6 sx cmt spotted from 50' to surface.

Date Drilled: 12/1956

Completion: 12/9/1956

	CASING	LINER	TUBING
Hole	12 1/4	7 7/8"	
Pipe	8 5/8	5 1/2	
Weight			
TOC	surface	cal surf	
Thread			
Depth	320	3,951	
Cmt sx	200	600 sx	

LOGS			



TD' 3952'

SELECT PERFS:

◇

3851-3920'

TAN-YATES-7 RVRS ZONE HISTORY				
Spud.	Initial Completion			
Perforated				
Treatment:	acid	frac		
IP:	Oil	Water	Gas	
Comments	Well plugged			

OPPORTUNITY

QUEEN ZONE HISTORY

ENERGY AND MINERALS DEPARTMENT

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LAND OFFICE	
OPERATOR	

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

Form C-103
Revised 10

5a. Indicate Type of Lease
State ☒ Fee

5. State Oil & Gas Lease No.
E-8244

SUNDRY NOTICES AND REPORTS ON WELLS
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL ☐ GAS WELL ☐ OTHER: Water Injection

2. Name of Operator
Gulf Oil Corp.

3. Address of Operator
P. O. Box 670, Hobbs, NM 88240

4. Location of Well
UNIT LETTER P 1660 FEET FROM THE South LINE AND 330 FEET FROM
THE East LINE, SECTION 11 TOWNSHIP 22S RANGE 35E NMPM.

9. Well No.
119

10. Field and Pool, or Wildcat
Oalmint

15. Elevation (Show whether DF, RT, GR, etc.)

12. County
Lin

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☒
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:
REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

PCN/H/11/27 + 7/28/84. Set cmt ret @ 3560', test 3000#. Pump 80 sl cmt
Dump 5' sl cmt on ret. Circ hole w/ abandonment mud. Spot
10 sack plug 1950'-2050'. Perf @ 424'. Establish circ. Pump 130 sl
cmt down 5 1/2" csg. Circ cmt to surf. Weld on dry hole
marker. Clear + Clear loc.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R. D. Pite
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR

TITLE AREA ENGINEER

DATE 11-21-84

APPROVED BY
CONDITIONS OF APPROVAL

TITLE

DATE

NOV 27 1984

FORM	TOP	Jalmat #119: 660 FSL & 330 FEL			
		CURRENT WELLBORE DIAGRAM			
		Melrose Operating Company			
		Sec-T-R	11-22S-35E	API #: 30-025-	8584
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)			
		CO, ST:	LEA, NEW MEXICO	LAND TYPE:	STATE
		STATUS:	Plugged	ACREAGE	40.12
		LATEST RIG WORKOVER:			
		DIAGRAM REVISED: #####			

Well P & A 11-21-84
 Cement Retainer @ 3560', pumped 80 sx cement, dumped 5 sx on ret. Spotted 10 sx plug from 1950-1050'.
 Perfed @ 424', pumped 130 sx cement down 5 1/2', circulated cement to surface.

 Date Drilled: 8/1956
 Completion date: 8-14-1956

 Plr was stuck @ 3768'
 Top of tbg @ 3575'

 SELECT PERFS:

 3812-3970'

LOG ELEVATION: N/R
 GROUND ELEVATION: '

	CASING	LINER	TUBING
Hole	12 1/4	7 7/8"	
Pipe	8 5/8	5 1/2	
Weight			
TOC	surface	1500 TS	
Thread			
Depth	374	4,007	
Cmt sx	200	1500 sx	

LOGS			

TAN-YATES-7 RVRS ZONE HISTORY			
Spud.	Initial Completion		
Perforated			
Treatment:	acid	frac	
IP:	Oil	Water	Gas
Comments			
Well plugged			
<div style="display: flex; justify-content: space-around; width: 100%;"> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div> </div>			
OPPORTUNITY			
QUEEN ZONE HISTORY			

ALL DATA SHEET

WELL NAME Well #119 FILE # 5401-19
 LSE NAME JFYSU LSE # E-8244
 LOC. P Sec 11 22S 35E 660 FSL 330 FEL
 API# _____ STATUS P & A
 FIELD _____
 OIL PUR. _____ GAS _____

DRILL AND COMPLETE

British American Oil
 ORIG. OP. Hall State "F" #1
 GL 3605 DF _____ KB 3616
 SPUD DATE 7/17/56 COMP. DATE 8/4/56
 TD 4008 PBTD 3990

TOPS: _____

CASING

HOLE SIZE	CASING	WT. GRADE	DEPTH SET	SKS	TOC
12 1/4	8 5/8		374	200	Circ. 35 sxs to pit.
7 7/8	5 1/2	14	4007		1500
1405 cu. ft. Diacel D 40% w/100 sxs neat.					

COMPLETION

PERFS 3812-34 3/80 GM Jet shots/ft. frac'd zone w/10000 gals gelled oil & 10000# sand.
3845-57 GR 3/80 GM Jets per ft. & frac'd w/10000 gals. gelled oil & 10000# sand.

After load oil recovery 9/1/56 made 38.78 BO 0 BW thru 13/64" choke.

BOPD _____ BHPD _____ MCFPD _____ BHP _____

9/9/56

PERFS 3880-3915 3/80 Grm Jets/ft. Isolated zone and frac'd w/10000 gals. gelled oil & 10000# sand.

11/12/56 Well producing @ rate of 26 BOPD, 2 BW, w/gas 21.7 MCFPD.

BOPD _____ BHPD _____ MCFPD _____ BHP _____

5/31/57 Perforations @ 3812-34 66 holes, 3845-57 36 holes, 3880-3915 105 holes, 3950-70 60 holes. SOF mixed and pumped in 5 stages a total of 30000 gallons black oil, 30000# sand, 200 bbls. lease crude, 240 ball sealers and flushed w/150 bbls. lease crude. 6/11/57 After recovering load 105 BOPD, 0 BW, in 24 hrs.

DATE 9/2/62 WORK Converted to WIW. 3922.62 KB bottom pkr., 3781.95 KB top pkr.

February 1985 Set cmt ret @ 3549' pump 80 sx cmt. dump 5 sx on ret circ hole w/abandonment mud, spot 20 sx 1900-2100, perf @ 424' pump 179 sx cmt & circ to surf. Set dry hole marker.

WELL INVENTORY:

TUBING _____

RODS _____

PUMP _____

ANCHOR _____

SN _____

PACKER _____

PUMPING UNIT _____

ID# _____

MOTOR _____

ID# _____

WELLHEAD _____

METER # _____

REMARKS:

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-8244	

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator		8. Farm or Lease Name
3. Address of Operator		9. Well No.
4. Location of Well		10. Field and Pool, or Wildcat
UNIT LETTER <u>O</u> , <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM		Jalmat
THE <u>East</u> LINE, SECTION <u>11</u> TOWNSHIP <u>22-S</u> RANGE <u>35-E</u> NMPM.		
15. Elevation (Show whether DF, RT, GR, etc.)		12. County
3609' GL		Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
OTHER <input type="checkbox"/>	

Plugged and abandoned

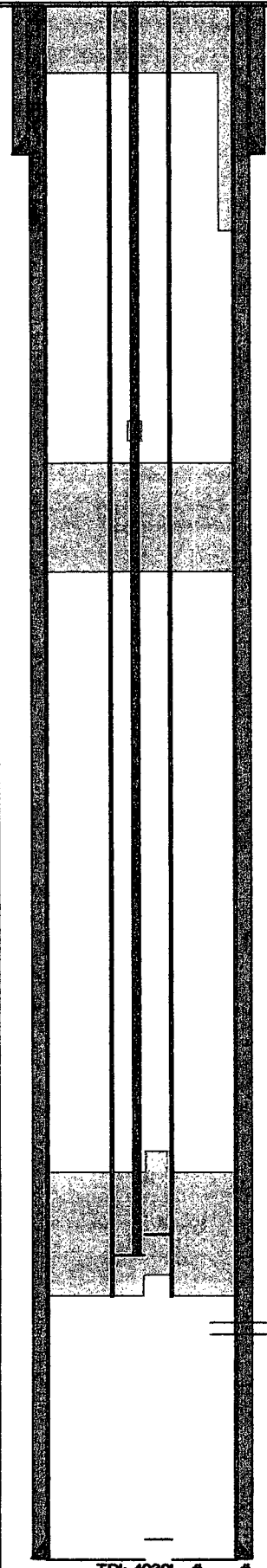
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4026' PB, 4031' TD.

Pulled rods and tubing. Ran CI BP on 2-7/8" tubing and set BP at 3801'. Spotted 10 sack cement plug from BP to 3712'. Loaded 5-1/2" casing with 83 barrels of water containing 23 sacks of salt gel. Spotted 16 sack cement plug from 1260' to 1100', at top of salt. Spotted 62' cement plug from 62' to surface. Installed dry hole marker. Cleaned location. Plugged and abandoned March 30, 1973.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>H. J. Bragale</u>	TITLE <u>Area Engineer</u>	DATE <u>March 30, 1973</u>
APPROVED BY <u>John W. Rensen</u>	Geologist	

FORM	TOP																																																																																																								
																																																																																																									
<div><div><div><div>Jalmat #120: 660 FSL & 1650 FEL</div><div>CURRENT WELLBORE DIAGRAM</div><div>Melrose Operating Company</div><div>Sec-T-R 11-22S-35E API #: 30-025-8585</div><div>POOL: JALMAT;TAN-YATES-7 RVRS (PRO GAS)</div><div>CO, ST: LEA, NEW MEXICO LAND TYPE: STATE</div><div>STATUS: Plugged ACREAGE 40.12</div><div>LATEST RIG WORKOVER:</div><div>DIAGRAM REVISED: #####</div></div><div><div>LOG ELEVATION: N/R</div><div>GROUND ELEVATION: ' 3609' GL</div></div><div><table><thead><tr><th></th><th>CASING</th><th>LINER</th><th>TUBING</th></tr></thead><tbody><tr><td>Hole</td><td>12 1/4</td><td>7 7/8"</td><td></td></tr><tr><td>Pipe</td><td>8 5/8</td><td>5 1/2</td><td></td></tr><tr><td>Weight</td><td></td><td></td><td></td></tr><tr><td>TOC</td><td>surface</td><td>1790 TS</td><td></td></tr><tr><td>Thread</td><td></td><td></td><td></td></tr><tr><td>Depth</td><td>335</td><td>4,030</td><td></td></tr><tr><td>Cmt sx</td><td>225</td><td>795 sx</td><td></td></tr></tbody></table></div><div><div>Well P & A 3-30-73</div><div>Set CIBP @ 3801', spotted 10 sx cmt plug from BP to 3712'</div><div>Spotted 16 sx cmt plug from 1260-1100'.</div><div>Spotted 62' cement plug from 62'-surface.</div></div><div><div>Date Drilled: 3-21-57</div><div>Completion date: 4-1-57</div></div><div><div>LOGS</div><table><thead><tr><th></th><th></th><th></th><th></th><th></th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table></div><div><div>TAN-YATES-7 RVRS ZONE HISTORY</div><table><thead><tr><th>Spud.</th><th>Initial Completion</th></tr></thead><tbody><tr><td>Perforated</td><td></td></tr><tr><td>Treatment:</td><td>acid frac</td></tr><tr><td>IP:</td><td>Oil Water Gas</td></tr><tr><td>Comments</td><td>Well plugged</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></tbody></table></div><div><div>OPPORTUNITY</div><table><tbody><tr><td></td></tr></tbody></table></div><div><div>QUEEN ZONE HISTORY</div><table><tbody><tr><td></td></tr></tbody></table></div></div></div>			CASING	LINER	TUBING	Hole	12 1/4	7 7/8"		Pipe	8 5/8	5 1/2		Weight				TOC	surface	1790 TS		Thread				Depth	335	4,030		Cmt sx	225	795 sx																																																				Spud.	Initial Completion	Perforated		Treatment:	acid frac	IP:	Oil Water Gas	Comments	Well plugged												
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<div><div>SELECT PERFS:</div><div>CIBP @ 3712'</div><div>3860-3976</div><div></div></div>																																																																																																									
<div>TD: 4030' # #</div>																																																																																																									

WELL DATA SHEET

WELL NAME Well #120 FILE # 5401-20
 LSE NAME JFYSU LSE # E-8244
 LOC. 0 Sec 11 22S 35E 660 FSL 1650 FEL
 API# _____ STATUS P & A
 FIELD _____
 OIL PUR. _____ GAS _____

DRILL AND COMPLETE

British American Oil
 ORIG. OP. Hall State "F"
 GL 3609 DF 3618 KB 3620
 SPUD DATE 3/21/57 COMP. DATE 4/1/57
 TD 4031 PBTB 4026

TOPS: _____

CASING

HOLE SIZE	CASING	WT. GRADE	DEPTH SET	SKS	TOC
12 1/4	8 5/8			225	
7 7/8	5 1/2	14	4030		1790
809 cu. ft. + 100 sx neat.					

COMPLETION

4/3/57
 PERFS 3982-94/GR 4 jets/ft. SOF 10000 gals. oil & 10000# sand.
 4/9/57 Perf'd 3910-22, 3929-44, 3966-76 w/4 35 GM jets/ft. SOF dn. csg. 4
 stages total of 30000 gals. oil, 30000# sand, 180 ball sealers, flushed w/
 145 BO.
 10/5/57 After load recovered produced @ rate of 28 BOPD, 2 BW in 24 hrs. gas
 volume 11.3 MCFPD, GOR 262:1.
 9/5/64
 PERFS 2/24 gram JSPF 3860-70 GR. SOF 42000 gals refined oil & 63000# 20/40
 mesh sand

BOPD _____ BHPD _____ MCFPD _____ BHP _____

REMEDIAL WORK AND WORKOVER

DATE _____ Work _____

DATE March 1973 WORK POOH. Set BP @ 3801' spotted 10 sx cmt plug from BP
 to 3712', loaded csg w/83 bbls. water & salt gel, 16 sx plug 1260-1100.
 Spotted 62' cmt plug from 62' to surf, installed dry hole marker.

WELL INVENTORY:

TUBING _____
 RODS _____
 PUMP _____
 ANCHOR _____ SN _____
 PACKER _____
 PUMPING UNIT _____ ID# _____
 MOTOR _____ ID# _____
 WELLHEAD _____ METER # _____

REMARKS: _____

needs to go back in file

FORM TOP

Jalmat #121: 660 FSL & 2310 FWL

CURRENT WELLBORE DIAGRAM

Melrose Operating Company

Sec-T-R 11-22S-36E API #: 30-025- 8588

POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)

CO, ST: LEA, NEW MEXICO LAND TYPE: STATE

STATUS: injector ACREAGE 40.12

LATEST RIG WORKOVER:

DIAGRAM REVISED: #####

LOG ELEVATION: N/R

GROUND ELEVATION: '

Date Drilled: 2-15-1988

Completion: 4-4-1958

	CASING	LINER	TUBING
Hole			
Pipe	8 5/8	5 1/2	2 3/8"
Weight			4.7#
TOC	surface	1775' TS	
Thread			
Depth	339	4,051	
Cmt	225	630 sx	

LOGS

TAN-YATES-7 RVRS ZONE HISTORY

Spud. Initial Completion
Perforated 3852-4013'

Treatment: acid frac

IP: Oil Water Gas

Comments

OPPORTUNITY

QUEEN ZONE HISTORY

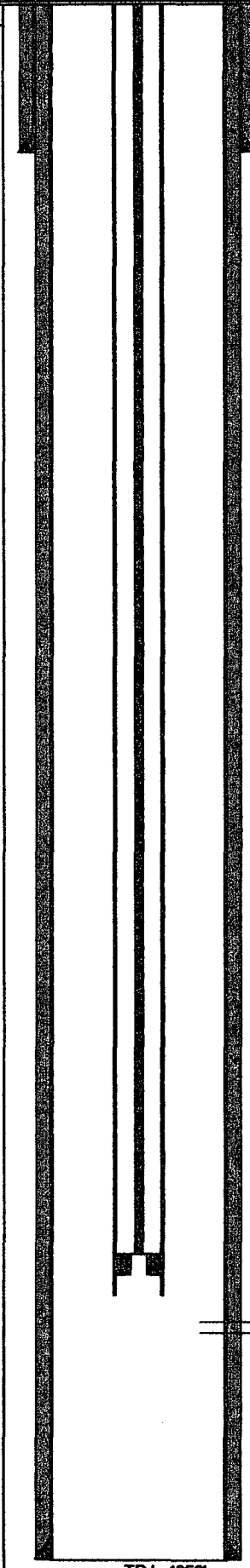
SELECT PERFS:

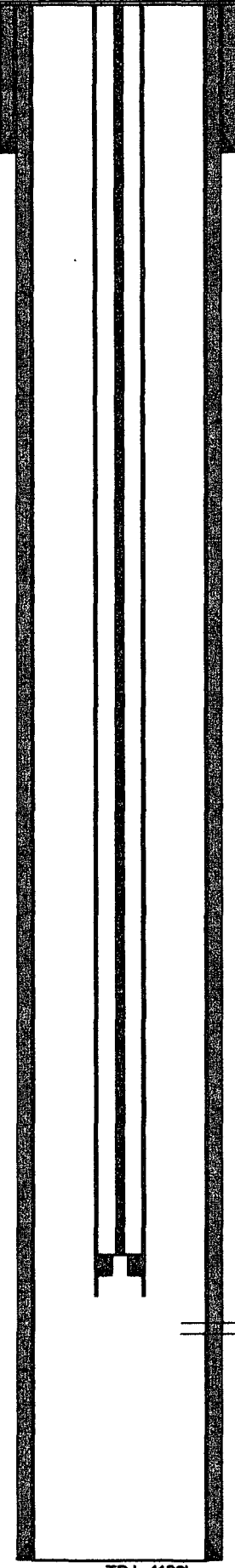
3852-4013'

casing set
5 1/2
4,051

TD' 4051'

Current

FORM	TOP																																								
		Jalmat #122: 660 FSL & 990 FWL																																							
		CURRENT WELLBORE DIAGRAM																																							
		Melrose Operating Company																																							
		Sec-T-R 11-22S-35E		API #: 30-025- 8592																																					
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																							
		CO, ST: LEA, NEW MEXICO		LAND TYPE: STATE																																					
		STATUS: SI		ACREAGE 40.12																																					
		LATEST RIG WORKOVER:																																							
		DIAGRAM REVISED: #####																																							
		Date Drilled: 4-17-1958 Completion: 5-12-1958		LOG ELEVATION: N/R GROUND ELEVATION: ' 3607'																																					
		<table border="1"><thead><tr><th></th><th>CASING</th><th>LINER</th><th>TUBING</th></tr></thead><tbody><tr><td>Hole</td><td></td><td></td><td></td></tr><tr><td>Pipe</td><td>8 5/8</td><td>5 1/2</td><td>2 3/8"</td></tr><tr><td>Weight</td><td></td><td></td><td>4.7#</td></tr><tr><td>TOC</td><td>surface</td><td>1390' TS</td><td></td></tr><tr><td>Thread</td><td></td><td></td><td></td></tr><tr><td>Depth</td><td>335</td><td>4,050</td><td></td></tr><tr><td>Cmt</td><td>200 sx</td><td>870</td><td></td></tr></tbody></table>			CASING	LINER	TUBING	Hole				Pipe	8 5/8	5 1/2	2 3/8"	Weight			4.7#	TOC	surface	1390' TS		Thread				Depth	335	4,050		Cmt	200 sx	870							
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		<p>SELECT PERFS:</p> <p>3885-3998</p> <p>casing set 5 1/2 4,050</p> <p>TD 4050</p> <p>Current</p>																																							

FORM	TOP																																												
		Jalmat #123: 660 FSL & 330 FEL																																											
		CURRENT WELLBORE DIAGRAM																																											
		Melrose Operating Company																																											
		Sec-T-R 10-22S-35E		API #: 30-025- 8579																																									
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																											
		CO, ST: LEA, NEW MEXICO		LAND TYPE: STATE																																									
		STATUS: SI		ACREAGE 40.12																																									
		LATEST RIG WORKOVER:																																											
		DIAGRAM REVISED: #####																																											
		Date Drilled: 6-13-1958 Completion: 9-10-1958		LOG ELEVATION: N/R		GROUND ELEVATION: ' 3611 DF																																							
		<table border="1"><thead><tr><th></th><th>CASING</th><th>LINER</th><th>TUBING</th></tr></thead><tbody><tr><td>Hole</td><td></td><td></td><td></td></tr><tr><td>Pipe</td><td>8 5/8</td><td>5 1/2</td><td>2 3/8"</td></tr><tr><td>Weight</td><td></td><td></td><td>4.7#</td></tr><tr><td>TOC</td><td>surface</td><td>cal. Surf</td><td></td></tr><tr><td>Thread</td><td></td><td></td><td></td></tr><tr><td>Depth</td><td>305</td><td>4,122</td><td></td></tr><tr><td>Cmt</td><td>250</td><td>600</td><td></td></tr></tbody></table>			CASING	LINER	TUBING	Hole				Pipe	8 5/8	5 1/2	2 3/8"	Weight			4.7#	TOC	surface	cal. Surf		Thread				Depth	305	4,122		Cmt	250	600											
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		3988-4010																																											
		casing set																																											
		5 1/2																																											
		4,122																																											
		TD ' 4122'																																											
		Current																																											

FORM	TOP	Jalmat #124: 660 FNL & 990 FWL			
		CURRENT WELLBORE DIAGRAM			
		Melrose Operating Company			
		Sec-T-R	14-22S-35E	API #:	30-025- 8628
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)			
		CO, ST:	LEA, NEW MEXICO	LAND TYPE:	STATE
		STATUS:	SI	ACREAGE	40.12
		LATEST RIG WORKOVER:			
		DIAGRAM REVISED: #####			

Date Drilled: 4-19-1958
Completion: 5-19-1958

LOG ELEVATION: N/R
GROUND ELEVATION: ' 3602' DF

	CASING	LINER	TUBING
Hole			
Pipe	8 5/8	5 1/2	2 3/8"
Weight			4.7#
TOC	surface	50' TS	
Thread			
Depth	413	4,072	
Cmt	300	1050	

LOGS			

TAN-YATES-7 RVRS ZONE HISTORY			
Spud.	Initial Completion		
Perforated	3854-76	3883-87	3896-3932
	3946-74	3983-88	3992-4018
	4030-42		
Treatment:	acid	frac	
IP:	Oil	Water	Gas
Comments			

OPPORTUNITY

QUEEN ZONE HISTORY

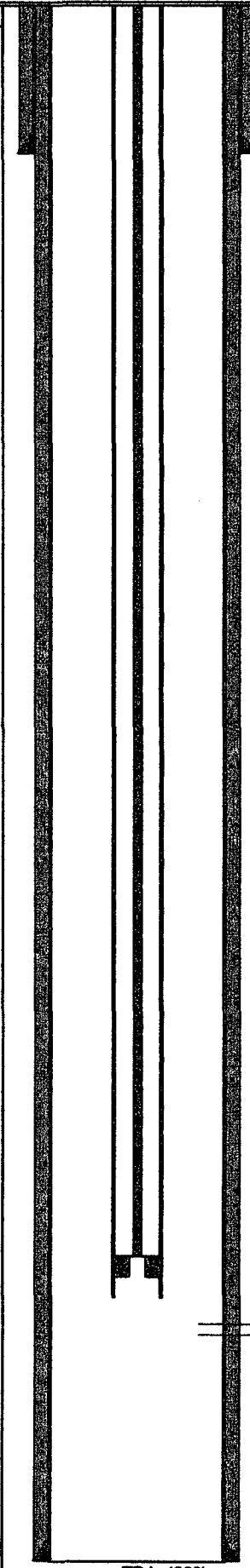
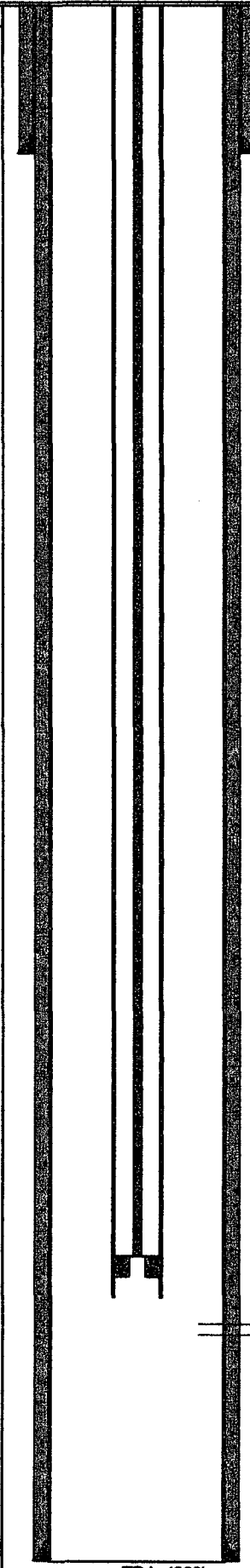
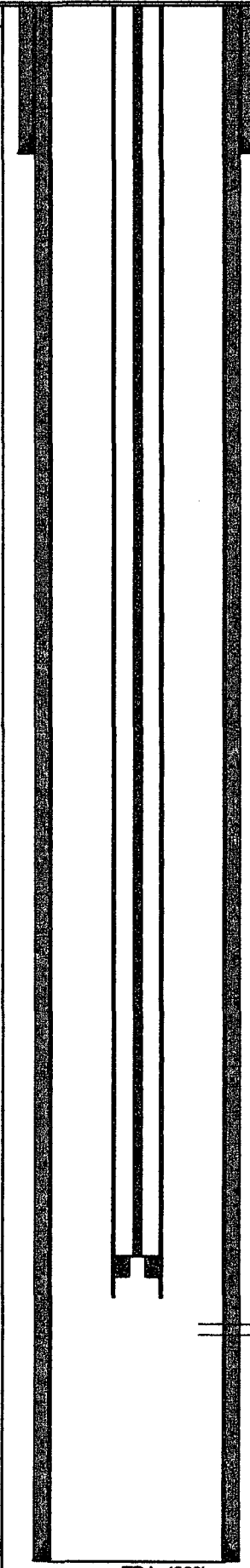
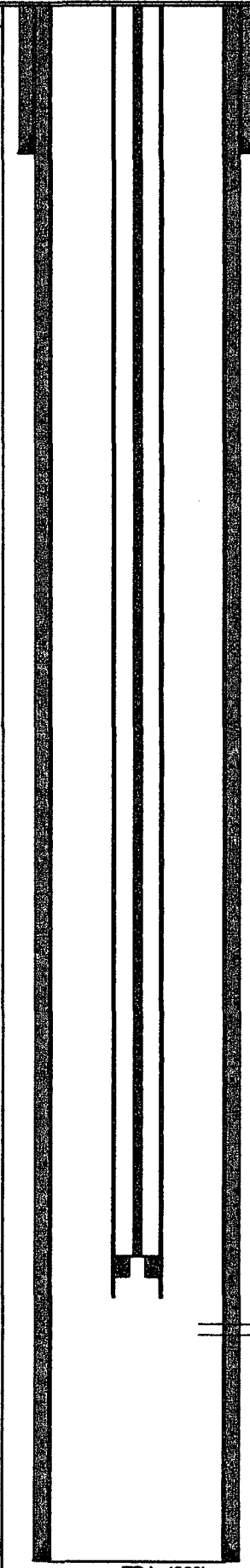
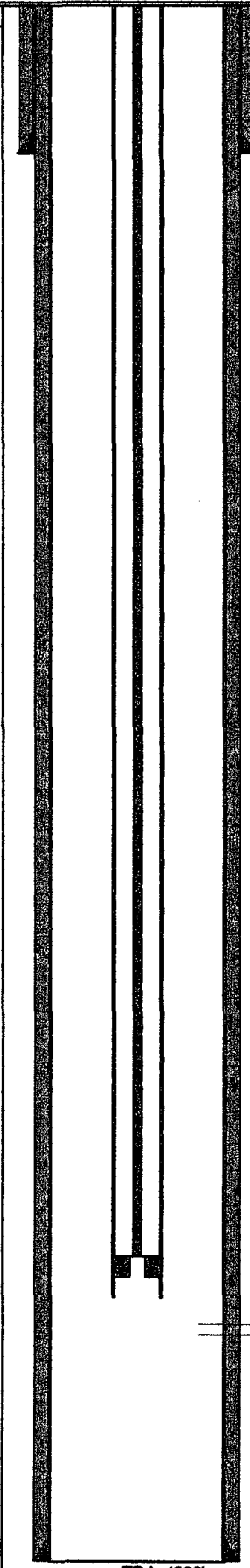
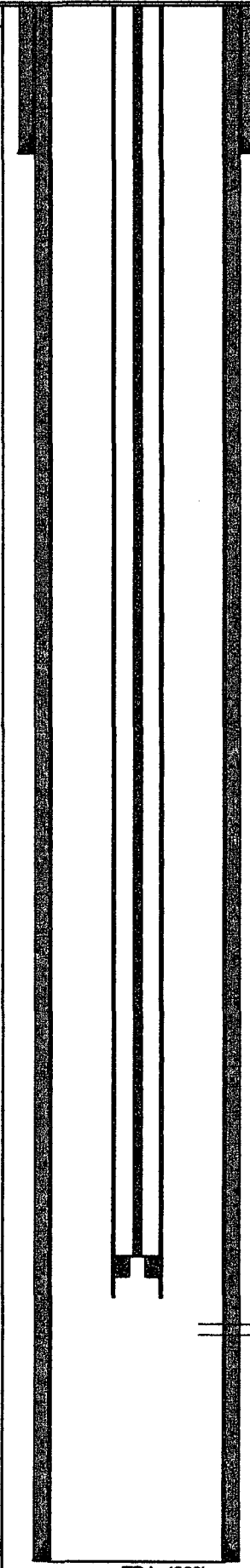
SELECT PERFS:

3854-4042

TD ' 4072'

casing set
5 1/2
4,072

Current

FORM	TOP					
		Jalmat #126: 660 FNL & 2310 FWL				
		CURRENT WELLBORE DIAGRAM				
		Melrose Operating Company				
		Sec-T-R 14-22S-35E		API #: 30-025- 8615		
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)				
		CO, ST: LEA, NEW MEXICO		LAND TYPE: STATE		
		STATUS: SI		ACREAGE 40.12		
		LATEST RIG WORKOVER:				
		DIAGRAM REVISED: #####				
		Date Drilled: 1-15-1958 Completion: 2-11-1958		LOG ELEVATION: N/R		3599'
GROUND ELEVATION: ' 3599'						
		CASING		LINER	TUBING	
		Hole				
		Pipe	8 5/8	5 1/2		2 3/8"
		Weight				4.7#
		TOC	surface	cal surf.		
		Thread				
		Depth	340	4,069		
		Cmt	225	700		
		LOGS				
		TAN-YATES-7 RVRS ZONE HISTORY				
		Spud.		Initial Completion		
		Perforated		3835-3964		
		Treatment:		acid	frac	
		IP:		Oil	Water Gas	
		Comments				
		OPPORTUNITY				
		QUEEN ZONE HISTORY				

SELECT PERFS:

3835-3964

casing set
5 1/2
4,069

TD' 4069'

Current

FORM	TOP	Jalmat #127: 660 FNL & 1650 FEL CURRENT WELLBORE DIAGRAM Melrose Operating Company																																														
		Sec-T-R 14 -22S-35E		API #: 30-025- 8623																																												
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																														
		CO, ST: LEA, NEW MEXICO		LAND TYPE: STATE																																												
		STATUS: T/A		ACREAGE 40.12																																												
		LATEST RIG WORKOVER:																																														
		DIAGRAM REVISED: #####																																														
		LOG ELEVATION: N/R GROUND ELEVATION: ' 3601 DF																																														
		<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">CASING</th> <th style="width: 15%;">LINER</th> <th style="width: 15%;">TUBING</th> </tr> </thead> <tbody> <tr> <td>Hole</td> <td></td> <td></td> </tr> <tr> <td>Pipe</td> <td>8 5/8</td> <td>5 1/2</td> </tr> <tr> <td>Weight</td> <td></td> <td></td> </tr> <tr> <td>TOC</td> <td>surface</td> <td>1730 TS</td> </tr> <tr> <td>Thread</td> <td></td> <td></td> </tr> <tr> <td>Depth</td> <td>333</td> <td>4,035</td> </tr> <tr> <td>Cmt</td> <td>250</td> <td>1180</td> </tr> </tbody> </table>			CASING	LINER	TUBING	Hole			Pipe	8 5/8	5 1/2	Weight			TOC	surface	1730 TS	Thread			Depth	333	4,035	Cmt	250	1180																				
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Comments																																																
		OPPORTUNITY																																														
		QUEEN ZONE HISTORY																																														
TD ' 4035'		SELECT PERFS: CIBP @ 3800 w/50 sx cement-T/A 3850-3978 <div style="text-align: center;">◇</div> casing set 5 1/2 4,035 <div style="text-align: right;">Current</div>																																														

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
E-8173	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator		8. Farm or Lease Name
Gulf Oil Corporation		Jalmar Field Yates Sand Unit
3. Address of Operator		9. Well No.
Box 670, Hobbs, New Mexico 88240		129
4. Location of Well		10. Field and Pool, or Wildcat
UNIT LETTER <u>A</u> , <u>660m</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM		Jalmar
THE <u>East</u> LINE, SECTION <u>14</u> TOWNSHIP <u>22-S</u> RANGE <u>35-E</u> NMPM.		
15. Elevation (Show whether DF, RT, GR, etc.)		12. County
3594' GL		Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
		OTHER <input type="checkbox"/>	
Plugged and Abandoned.			

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

3970' TD, 3951' PB

Pulled rods, pump and tubing. Ran CI BP and set at 3773'. Loaded hole with 8.5# mud. Spotted 10 sack cement on top of BP. Spotted 5 sack cement plug from 60' to surface. Installed dry hole marker and cleaned location. Plugged and abandoned February 14, 1972.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>E. J. Kalliger</u>	TITLE <u>Area Engineer</u>	DATE <u>February 14, 1972</u>
APPROVED BY <u>Nathan E. Clegg</u>	TITLE <u>OIL & GAS INSPECTOR</u>	DATE <u>MAR 8 1972</u>

not in file

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SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/> X	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-8173	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>		7. Unit Agreement Name Jalmat Field Yates Sand Unit
2. Name of Operator Gulf Oil Corporation		8. Farm or Lease Name
3. Address of Operator Box 670, Hobbs, New Mexico 88240		9. Well No. 129
4. Location of Well UNIT LETTER <u>A</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>14</u> TOWNSHIP <u>22-S</u> RANGE <u>35-E</u> NMPM.		10. Field and Pool, or Wildcat Jalmat
15. Elevation (Show whether DF, RT, GR, etc.) 3594' GL		12. County Lea

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

3970' TD, 3951' PB.

Pull tubing, rods and pump. Set CI BP at 3770'. Load hole with mud. Spot 10 sack cement plug on top of BP. Spot cement plug from 50' to surface. Install dry hole marker and clean location.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>C. J. Kallinger</u>	TITLE <u>Area Engineer</u>	DATE <u>January 19, 1972</u>
APPROVED BY <u>Joe D. Ramey</u>	TITLE <u></u>	DATE <u>JAN 20 1972</u>

ALL DATA SHEET

WELL NAME Well #129 FILE # 5401-29
 LSE NAME JFYSU LSE # E-8173
 LOC. A Sec 14 22S 35E 660 FNL 330 FEL
 API# _____ STATUS P & A
 FIELD _____
 OIL PUR. _____ GAS _____

DRILL AND COMPLETE

British American Oil
 ORIG. OP. New Mexico "B" #4
 GL 3594 DF _____ KB _____
 SPUD DATE 5/19/56 COMP. DATE 6/4/56
 TD 3970 PBTB 3953

TOPS: _____

CASING

HOLE SIZE	CASING	WT. GRADE	DEPTH SET	SKS	TOC
13 3/4	8 5/8	22.7	335		
6 3/4	4 1/2	9.5	3969	185 Incor w/312 cu. ft. Diacel	
				followed w/100 sxs neat Incor	

COMPLETION

PERFS 3936-45, 3870-94 4/19 gram Jet Shots per foot KB measur. per Gamma ray Log. Loaded hole w/lease oil & set pkr @ 3927. Broke formation w/lease oil and frac'd w/10000# sand & 10000 gals lease oil, flushed w/55 bbls lease oil treated upper perms only.

6/8/56 Set pkr. @ 3842 frac'd 3870-94 w/10000 gals gelled lease crude & 10000# sand.

6/25/56 All load oil recovered - well made 90 BO, 3 BW in 24 hrs. on 48/64" choke.

9/3/58 Perf 3824-42 per GR w/2 21 gram jet shots/ft. Ran pkr. set @ 3856. Frac'd in 5 stages w/40000 gals. oil, 40000# sand, 180 balls & 270 bbls lease crude.

9/21/58 Load recovered, well made 53.13 BO, 3 BW in 24 hrs. In 3 months gas volume had reached 48.8 MCFPD.

DATE _____ Work _____

DATE Feb. 1972 WORK Ran CI BP set @ 3773, loaded hole w/8.6# mud. Spotted 10 ex cement on top of BP, spotted 5 ex plug from 60' to surface. Installed dry hole marker.

WELL INVENTORY:

TUBING _____
 RODS _____
 PUMP _____
 ANCHOR _____ SN _____
 PACKER _____
 PUMPING UNIT _____ ID# _____
 MOTOR _____ ID# _____
 WELLHEAD _____ METER # _____

REMARKS: _____

FORM	TOP																																										
		Jalmat #136: 1980 FNL & 1650 FEL																																									
		CURRENT WELLBORE DIAGRAM																																									
		Melrose Operating Company																																									
		Sec-T-R	14-22S-35E	API #:	30-025- 8622																																						
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		CO, ST:	LEA, NEW MEXICO	LAND TYPE:	STATE																																						
		STATUS:	SI	ACREAGE	40.12																																						
		LATEST RIG WORKOVER:																																									
DIAGRAM REVISED: #####																																											
		LOG ELEVATION: N/R GROUND ELEVATION: ' 3700 DF																																									
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Comments																																											
		OPPORTUNITY																																									
		QUEEN ZONE HISTORY																																									

Date Drilled: 12-27-1956
 Completion: 1-15-1957

SELECT PERFS:

3833-3951

casing set
4 1/2
4,004

Current

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U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-85

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-229	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER- <input checked="" type="checkbox"/> Water Injection Well		7. Unit Agreement Name
2. Name of Operator		8. Farm or Lease Name
Gulf Oil Corporation		Jalmat Field Yates Sand Unit
3. Address of Operator		9. Well No.
Box 670, Hobbs, New Mexico 88240		137
4. Location of Well		10. Field and Pool, or Wildcat
UNIT LETTER <u>F</u> , <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>2310</u> FEET FROM		Jalmat
THE <u>West</u> LINE, SECTION <u>14</u> TOWNSHIP <u>22-S</u> RANGE <u>35-E</u> NMPM.		
15. Elevation (Show whether DF, RT, GR, etc.)		12. County
3581' GL		Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

Plugged and abandoned

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

4050' TD.

Pulled injection equipment. Set BP at 3800' and capped with 5 sacks of cement to 3765', abandoning Jalmat perforations 3882' to 4000'. Set cement retainer at 3534' and squeezed casing leak below retainer with 100 sacks of Class H cement at 2 BPM at 1000#. ISIP 500#. Spotted 4 sack cement plug on top of retainer to 3500'. Set retainer at 3446' and squeezed casing leak at approximately 3500' with 50 sacks of Class H cement at 2 BPM at 1500#. ISIP 300#. Dumped 5 sack class H cement plug on top of retainer to 3411'. Loaded hole with abandonment mud. Spotted 15 sack Class H cement plug from 2050' to 1950', across top of salt. Spotted 16 sack Class H cement plug from 100' to surface. Installed dry hole marker and cleaned location. Plugged and abandoned October 6, 1975.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED D.F. Berlin TITLE Area Engineer DATE October 6, 1975
APPROVED BY John W. Remington TITLE _____ DATE _____
CONDITION OF APPROVAL, IF ANY: _____

WELL DATA SHEET

WELL NAME Well #137 FILE # 5401-37
 LSE NAME JFYSU LSE # B-229
 LOC. F Sec 14 22S 35E 1980 FNL 2310 FWL
 API# _____ STATUS P & A
 FIELD _____
 OIL PUR. _____ GAS _____

DRILL AND COMPLETE

J.F. Janda (NCT-K) Lease
 ORIG. OP. Gulf Oil Corp.
 GL 3581 DF _____ KB _____
 SPUD DATE 1/26/58 COMP. DATE 2/6/58
 TD 4050 PBDT 4046

TOPS: _____

CASING

HOLE SIZE	CASING	WT. GRADE	DEPTH SET	SKS	TOC
12 1/4	8 5/8	24	387	300 circ.	
8 7/8	5 1/2	14	4050	1000 did not circ.	
				TOC for 5 1/2 554'	

COMPLETION

PERFS 3882-92, 3898-3906, 3912-22, 3938-48, 3956-68, 3978-82, 3988-4008.
Perf w/4 1/2" Jet Holes per foot. 500 gals. mud acid on perf's - squeezed
into formation. Frac'd w/10000 gals lease oil w/1 40# FL2 and 1# of Sand
per gallon. Frac treated in 5 more stages of 10000 gals. each total of
50000 gals., same as above.

BOPD _____ BW _____ MCFPD _____ BHP _____

PERFS _____

BOPD _____ BWPD _____ MCFPD _____ BHP _____

REMEDIAL WORK AND WORKOVER

DATE 9/5/62 Work Converted to WIW. Frac treat thru csq 3840-70 KB
w/30000 gals water and 50000# 20/40 sand in 3 10000 gal stages.

DATE Oct. 1975 WORK Set BP @ 3800 & capped w/5 sxs cmt to 3765. Set
retainer @ 3534 to squeeze csq leak w/100 sxs Class II cmt. Spotted 4 sx
cmt plug on top of retainer to 3500'. Set retainer @ 3446' and squeezed csq
leak @ approx. 3500' w/50 sxs Class H. Dumped 5 sx plug on top of retainer
to 3411', loaded hole w/abandonment mud, spotted 15 sxs plug from 2050 to
1950'. Spotted 16 sxs plug from 100' to surface, installed dry hole marker.

WELL INVENTORY:

TUBING _____

RODS _____

PUMP _____

ANCHOR _____ SN _____

PACKER _____

PUMPING UNIT _____ ID# _____

MOTOR _____ ID# _____

WELLHEAD _____ METER # _____

REMARKS: _____

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-229	
7. Unit Agreement Name	
Jalmat Field Yates	
Sand Unit	
8. Farm or Lease Name	
9. Well No.	
140	
10. Field and Pool, or Wildcat	
Jalmat	
12. County	
Lea	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator
Gulf Oil Corporation
3. Address of Operator
P. O. Box 670, Hobbs, NM 88240
4. Location of Well
UNIT LETTER <u>K</u> , <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>2310</u> FEET FROM
THE <u>West</u> LINE, SECTION <u>14</u> TOWNSHIP <u>22S</u> RANGE <u>35E</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.)
3608' GL

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

POH with production equipment. Set CIBP at 3850'. Spot 35' cement plug on CIBP. Spot 100' cement plug 1816'-1716'. Spot 100' cement plug 1800'. Circulate abandonment mud, spot 10 sack surface plug. Set dry hole marker, cut off anchors. Filled pit, cleaned location. P&A Complete 10-29-80.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R.D. Pitzer TITLE Area Engineer DATE 10-30-80
APPROVED BY Eddie Dean TITLE OIL & GAS INSPECTOR DATE JAN 20 1981
CONDITIONS OF APPROVAL, IF ANY:

WELL DATA SHEET

WELL NAME Well #140 FILE # 5401-40
 LSE NAME JFYSU LSE # B-229
 LOC. K Sec 14 22S 35E 1980 FSL 2310 FWL
 API# _____ STATUS P & A
 FIELD _____
 OIL PUR. _____ GAS _____

DRILL AND COMPLETE
 Gulf Oil Corp. J.F. Janda (NCT-K) #1
 ORIG. OP. British American Oil
 GL 3608 DF _____ KB 12.50' to GR
 SPUD DATE 11/17/57 COMP. DATE 12/1/57
 TD 4050 PBD 4043

TOPS: _____

CASING	HOLE SIZE	CASING	WT. GRADE	DEPTH SET	SKS	TOC
	12 1/4	8 5/8	24	363	300	
	7 7/8	5 1/2	14	4048	940 did not circ.	

COMPLETION

12/3/57
 PERFS 3970-3988, 4014-4030, 4/.5" Jet Holes per foot. Frac'd w/20000 gals.
refined oil w/1# sand /gal.
 12/20/57 3910-3950 4/.5" Jet Holes/ft.. Frac'd 3 stages w/30000 gals.
refined oil, /1# sand per gal., flushed w/347 BO.
 Test completed 2/2/58
 BOPD 128 BW 4 MCFPD 17 GOR 133:1

PERFS _____

BOPD _____ BOPD _____ MCFPD _____ BHP _____

REMEDIAL WORK AND WORKOVER

DATE _____ Work _____

DATE 10/29/80 WORK Set CI BP @ 3850, spot 35' cmt plug on CI BP. Spot
100' cmt plug 1816-1716, spot 100' cmt plug 1800', circulate abandonment
mud, spot 10 sk surface plug. Set dry hole marker.

WELL INVENTORY:

TUBING _____

RODS _____

PUMP _____

ANCHOR _____ SN _____

PACKER _____

PUMPING UNIT _____ ID# _____

MOTOR _____ ID# _____

WELLHEAD _____ METER # _____

REMARKS: _____

needs to go in file

FORM	TOP																																		
		Jalmat #158: 1310 FSL & 2630 FEL CURRENT WELLBORE DIAGRAM Melrose Operating Company																																	
		SU-T-R -22S-36E API #: 30-025- 32582																																	
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																	
		CO, ST: LEA, NEW MEXICO LAND TYPE: STATE																																	
		STATUS: Producer ACREAGE 40.12																																	
		LATEST RIG WORKOVER:																																	
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<div style="border: 1px solid black; padding: 2px;"> QUEEN ZONE HISTORY </div>																																			

SELECT PERFS:

3892-4062

casing set
5 1/2
4,200

TD ' 4200'

Current

FORM	TOP																																				
		Jalmat #161: 2630 FNL & 1310 FEL CURRENT WELLBORE DIAGRAM Melrose Operating Company																																			
		Sec-T-R	11-22S-35E	API #: 30-025-	33156																																
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																			
		CO, ST: LEA, NEW MEXICO		LAND TYPE: STATE																																	
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Date Drilled: 3-10-1996
 Completion: 5-9-1996

SELECT PERFS:

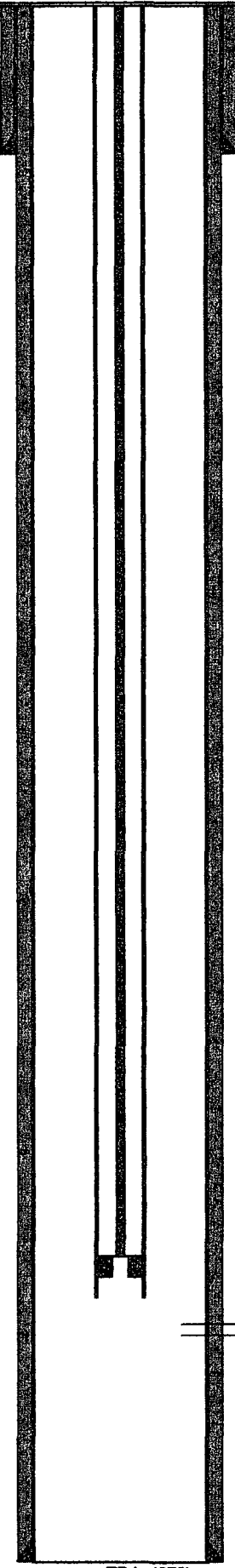
3837-3977



casing set
 5 1/2
 4,075

TD ' 4075'

Current

FORM	TOP																																								
		Jalmat #164: 1310 FNL & 1650 FEL																																							
		CURRENT WELLBORE DIAGRAM																																							
		Melrose Operating Company																																							
		Sec-T-R 11	API #: 30-025-33457																																						
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																							
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		DIAGRAM REVISED: #####																																							
		Date Drilled: 6-7-1996 Completion: 7-27-1996																																							
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		CO, ST: LEA, NEW MEXICO	LAND TYPE: STATE																																												
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		CURRENT WELLBORE DIAGRAM																																							
		Melrose Operating Company																																							
		Sec-T-R 14-22S-35E	API #: 30-025- 34556																																						
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																							
		CO, ST: LEA, NEW MEXICO	LAND TYPE: STATE																																						
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<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Current </div>																																									

FORM

TOP

Jalmat #171: 2730 FNL & 2500 FWL

CURRENT WELLBORE DIAGRAM

Melrose Operating Company

Sec-T-R11-22S-35EAPI #: 30-025-35307

POOL: JALMAT; TAN-YATES-7 RVRs (PRO GAS)

CO, ST: LEA, NEW MEXICOLAND TYPE: STATE

STATUS: ProducerACREAGE40.12

LATEST RIG WORKOVER:

DIAGRAM REVISED: #####

Date Drilled: 1-29-2001

Completion: 2-27-2001

LOG ELEVATION: N/R

GROUND ELEVATION: '

	CASING	LINER	TUBING
Hole			
Pipe	8 5/8	5 1/2	2 7/8"
Weight			4.7#
TOC	surface	cal surf	
Thread			
Depth	406	4,174	4110
Cmt	250	630	

LOGS			
LDT			
CNL			
GR			
DLL			

TAN-YATES-7 RVRs ZONE HISTORY

Spud.

Perforated

Initial Completion

3872-4126'

Treatment:

acid

frac

IP:

Amount

Unit

Oil

BBL

Water

BBL

Gas

MCFD

OPPORTUNITY

QUEEN ZONE HISTORY

SELECT PERFS:

3872-4126

TD' 4174'

casing set

5 1/2

4,174

Current

FORM	TOP																																								
		Jalmat #172: 1310 FNL & 2200 FWL CURRENT WELLBORE DIAGRAM Melrose Operating Company																																							
		Sec-T-R 11-22S-35E API #: 30-025-35308																																							
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																							
		CO, ST: LEA, NEW MEXICO LAND TYPE: STATE																																							
		STATUS: Producer ACREAGE 40.12																																							
		LATEST RIG WORKOVER:																																							
		DIAGRAM REVISED: #####																																							
		<div style="display: flex; justify-content: space-between;"> <div> Date Drilled: 2-7-2001 Completion: 3-2-2001 </div> <div> LOG ELEVATION: N/R GROUND ELEVATION: 3608' </div> </div>																																							
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SELECT PERFS:

3860-4140'

casing set
 5 1/2
 4,200

TD' #

Current

FORM TOP

Jalmat #173: 2630 FNL & 1330 FWL

CURRENT WELLBORE DIAGRAM

Melrose Operating Company

Sec-T-R	11-22S-35E	API #: 30-025-	35427
POOL:	JALMAT; TAN-YATES-7 RVRS (PRO GAS)		
CO, ST:	LEA, NEW MEXICO	LAND TYPE:	STATE
STATUS:	Producer	ACREAGE	40.12
LATEST RIG WORKOVER:			
DIAGRAM REVISED: #####			

Date Drilled: 3-21-2001
Completion: 4-19-2001

LOG ELEVATION:	N/R
GROUND ELEVATION:	' 3608'

	CASING		LINER	TUBING
Hole	12 1/4"	7 7/8"		
Pipe	8 5/8	5 1/2		2 7/8"
Weight				4.7#
TOC	surface	cal surf		
Thread				
Depth	423'	4,200		4139'
Cmt	300 sx	725 sx		

LOGS			
LDT			
CNL			
GR			
DLL			

TAN-YATES-7 RVRS ZONE HISTORY

Spud. Initial Completion
Perforated 3882-4106'

Treatment: acid frac

IP: Amount Unit
Oil BBL
Water BBL
Gas MCFD

SELECT PERFS:

3882-4106'

casing set
5 1/2
4,200

Current

TD' 4200'

OPPORTUNITY

QUEEN ZONE HISTORY

FORM	TOP																																				
		Jalmat #175: 118 FNL & 1310 FWL CURRENT WELLBORE DIAGRAM Melrose Operating Company																																			
		Sec-T-R 11 -22S-35E API #: 30-025-35463																																			
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																			
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		DIAGRAM REVISED: #####																																			
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		Sec-T-R 11 -22S-35E API #: 30-025- 36146																																			
		POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)																																			
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OPPORTUNITY																																					
QUEEN ZONE HISTORY																																					

Date Drilled: 4-25-03
Completion: 6-17-03

3856-3958'

casing set
5 1/2
4150'

Current

FORM	TOP																																						
		Jalmat #177: 11' FNL & 1980 FEL																																					
		CURRENT WELLBORE DIAGRAM																																					
		Melrose Operating Company																																					
		Sec-T-R 11-22S-35E	API #: 30-025- 36151																																				
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Date Drilled: 9-29-2003
 Completion: 11-5-2003

SELECT PERFS:

3849-3920

casing set
 5 1/2
 4,190

TD' 4190'

Current

FORM	TOP																																												
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		Sec-T-R	14-22S-35E	API #:	30-025-36152																																								
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Date Drilled: 5-20-2003
 Completion: 6-24-2003

SELECT PERFS:

 3862-3980

 casing set
 5 1/2
 4,160

 TD ' 4160'

 Current

FORM	TOP																																								
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SELECT PERFS:

3856-4056



casing set
5 1/2
4,200

TD' 4200'

Current

FORM

TOP

Jalmat #193: 330 FWL & 1310 FSL

CURRENT WELLBORE DIAGRAM

Melrose Operating Company

Sec-T-R11-22S-35EAPI #: 30-025-36498

POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)

CO, ST: LEA, NEW MEXICOLAND TYPE: STATE

STATUS: ProducerACREAGE40.12

LATEST RIG WORKOVER:

DIAGRAM REVISED: #####

Date Drilled: 2-6-2004

Completion: 4-19-2004

LOG ELEVATION: N/R

GROUND ELEVATION: '

	CASING		LINER	TUBING
Hole	12 1/4	7 7/8"		
Pipe	8 5/8	5 1/2		2 7/8"
Weight				4.7#
TOC	surface	cal surf		
Thread				
Depth	450	4,196		3900
Cmt	400	800		

LOGS			
GR			
CCL			
CBND			

TAN-YATES-7 RVRS ZONE HISTORY

Spud.

Perforated

Initial Completion

3992-4012

Treatment:

acid

frac

0

0

IP:

Amount

Unit

Oil

26

BPD

Water

177

BBL

Gas

6

MCFD

OPPORTUNITY

QUEEN ZONE HISTORY

SELECT PERFS:

3992-4012

TD' 4196'

casing set

5 1/2

4,196

Current

FORM	TOP		<div style="text-align: center;"> Jalmat #194: 2630 FNL & 2630 FEL CURRENT WELLBORE DIAGRAM Melrose Operating Company </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sec-T-R</td> <td>14 -22S-35E</td> <td>API #:</td> <td>30-025-36496</td> </tr> <tr> <td>POOL:</td> <td colspan="3">JALMAT; TAN-YATES-7 RVRS (PRO GAS)</td> </tr> <tr> <td>CO, ST:</td> <td>LEA, NEW MEXICO</td> <td>LAND TYPE:</td> <td>STATE</td> </tr> <tr> <td>STATUS:</td> <td>Producer</td> <td>ACREAGE</td> <td>40.12</td> </tr> <tr> <td colspan="4">LATEST RIG WORKOVER:</td> </tr> <tr> <td colspan="4">DIAGRAM REVISED: #####</td> </tr> </table> <div style="margin-top: 20px;"> Date Drilled: 12-21-2003 Completion: 2-4-2004 </div> <div style="margin-top: 20px; text-align: right;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>LOG ELEVATION:</td> <td>N/R</td> </tr> <tr> <td>GROUND ELEVATION:</td> <td>'</td> </tr> </table> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>CASING</th> <th>LINER</th> <th>TUBING</th> </tr> <tr> <td>Hole</td> <td>12 1/4"</td> <td>7 7/8"</td> <td></td> </tr> <tr> <td>Pipe</td> <td>8 5/8</td> <td>5 1/2</td> <td>2 7/8"</td> </tr> <tr> <td>Weight</td> <td></td> <td></td> <td>4.7#</td> </tr> <tr> <td>TOC</td> <td>surface</td> <td>cal surf</td> <td></td> </tr> <tr> <td>Thread</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Depth</td> <td>450</td> <td>4,204</td> <td>3778</td> </tr> <tr> <td>Cmt</td> <td>400</td> <td>725</td> <td></td> </tr> </table> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="4">LOGS</th> </tr> <tr> <td>GR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CCL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CBL</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td></tr> </table> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">TAN-YATES-7 RVRS ZONE HISTORY</th> </tr> <tr> <td>Spud.</td> <td>Initial Completion</td> </tr> <tr> <td>Perforated</td> <td>3844-4060</td> </tr> <tr><td colspan="2"> </td></tr> <tr> <td>Treatment:</td> <td>acid frac</td> </tr> <tr> <td>IP:</td> <td>Amount Unit</td> </tr> <tr> <td></td> <td>Oil BPD</td> </tr> <tr> <td></td> <td>Water BBL</td> </tr> <tr> <td></td> <td>Gas MCFD</td> </tr> </table> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>OPPORTUNITY</th> </tr> <tr> <td> </td> </tr> </table> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>QUEEN ZONE HISTORY</th> </tr> <tr> <td> </td> </tr> </table> </div>	Sec-T-R	14 -22S-35E	API #:	30-025-36496	POOL:	JALMAT; TAN-YATES-7 RVRS (PRO GAS)			CO, ST:	LEA, NEW MEXICO	LAND TYPE:	STATE	STATUS:	Producer	ACREAGE	40.12	LATEST RIG WORKOVER:				DIAGRAM REVISED: #####				LOG ELEVATION:	N/R	GROUND ELEVATION:	'		CASING	LINER	TUBING	Hole	12 1/4"	7 7/8"		Pipe	8 5/8	5 1/2	2 7/8"	Weight			4.7#	TOC	surface	cal surf		Thread				Depth	450	4,204	3778	Cmt	400	725		LOGS				GR				CCL				CBL																												TAN-YATES-7 RVRS ZONE HISTORY		Spud.	Initial Completion	Perforated	3844-4060			Treatment:	acid frac	IP:	Amount Unit		Oil BPD		Water BBL		Gas MCFD	OPPORTUNITY		QUEEN ZONE HISTORY	
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TD ' 4204'

SELECT PERFS:

3844-4060

casing set
5 1/2
4,204

Current