/7-17-04 Date IN	SUSPEN	SE ENGINEER LOGGED IN TYPE WEX PAPER MO4352291/2
		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 CH	ECKLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
	L-Non-Stai [DHC-Down [PC-Po	s: ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] ol Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] lified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1] TY]	PE OF AP [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
	Check [B]	One Only for [B] or [C] 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] NO '	TIFICAT	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
, ••• • ,	[C]	Application is One Which Requires Published Legal Notice
	[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E]	For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	Waivers are Attached
		CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE TION INDICATED ABOVE.

1992 - S

[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.

December 10, 2004



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

DEC 17 2004

Oil Conservation Division

RE: Melrose Operating Company, Jalmat Field Sand Yates, University, 1220 S. Saint Francis Drive 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
			ABOVE THIS LINE FOR DIVISION US	E ONLY		
		NEW MEXICO	OIL CONSERV - Engincering Bureau		SION	
		ADMINISTRATI	VE APPLICAT	ION COVE	RSHEET	F
	THIS COVERSI	IEET IS MANDATORY FOR ALL ADM	INISTRATIVE APPLICATIONS F	OR EXCEPTIONS TO DIV	ISION RULES AN	DREGULATIONS
Applic	(PC-	wnhole Commingling] Pool Commingling] [OL [WFX-Waterflood Expa	l Drilling] (SD-Simu (CTB-Lease Commin S - Off-Lease Storag (Insion) (PMX-Press Disposal) (IPI-Injec	ultaneous Dedica gling] [PLC-Po le] [OLM-Off-Le ure Maintenance tion Pressure Ind	ntion] ol/Lease Co ease Measur Expansion] crease]	rement]
1]	TYPE OF A [A]	PPLICATION - Chec Location - Spacing U NSL NSP	-	Drilling		
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2]	NOTIFICAT	TION REQUIRED T	O: - Check Those	Which Apply,	or 🖵 Does	Not Apply
-1	[A]	G Working, Royalty				
	[B]	🗯 Offset Operators,	Leaseholders or S	urface Owner		
	[C]	Application is On	e Which Requires	Published Leg	al Notice	3
	[D]	U.S. Bureau of Land Mar	or Concurrent App nagement - Commissioner of	•		
	[E]	🖄 For all of the abo	ve, Proof of Notifie	cation or Public	cation is At	ttached, and/or,

U Waivers are Attached [F]

[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

Regulatory Agent 12-7-04 Title Date Signature

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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OIL CONSERVATION DIVISION 2040 SOUTH PACHECO SANTA FE, NEW MEXICO 87505

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE:Secondary RecoveryPressure MaintenanceDisposalStorage Application qualifies for administrative approval?YesNo
II.	OPERATOR: Metrose Operating Company
	OPERATOR: <u>Metrose Operating Company</u> ADDRESS: <u>P. D. Box 953</u> , Midland, TX 79702
	CONTACT PARTY: Ann E. Ritchie, Regulatory Agent PHONE: 432 PHONE: 4846381
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 $Administrate Order #WFX-798$ 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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII.	Attach appropriate 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. $and, citchie @ wtor. net$
	NAME: Ann E. Ritchie MA TITLE: Regulatory Agent
	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:

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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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 I/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 I/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 I/2" @ 4033' w/1088 sx cmt TOC @ 980'. 2 3/8" tubing @ approx. 3800' w/Baker AD-I 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 I/2" @ 4051' w/630 sx cement, TOC @ 1775'. 2 3/8" tubing @ 3800' w/Baker AD-I 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 I/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 I/2" @ 4069' w/700 sx – calc to surface. 2 3/8" tubing @ 3800' w/ Baker AD-I 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'.
- <u>IV.</u>: 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 I/2 mile radius & 2 mile radius.

<u>VI.:Tabulation of data on wells within I/2 mile radius</u>: See attached wellbore diagrams tabulating all wells within a I/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 I/2 mile radius area of each proposed injection well.

Melrose Operating Company, OCD Form C-108, Jalmat Field Yates Sand Unit, Page 2

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.

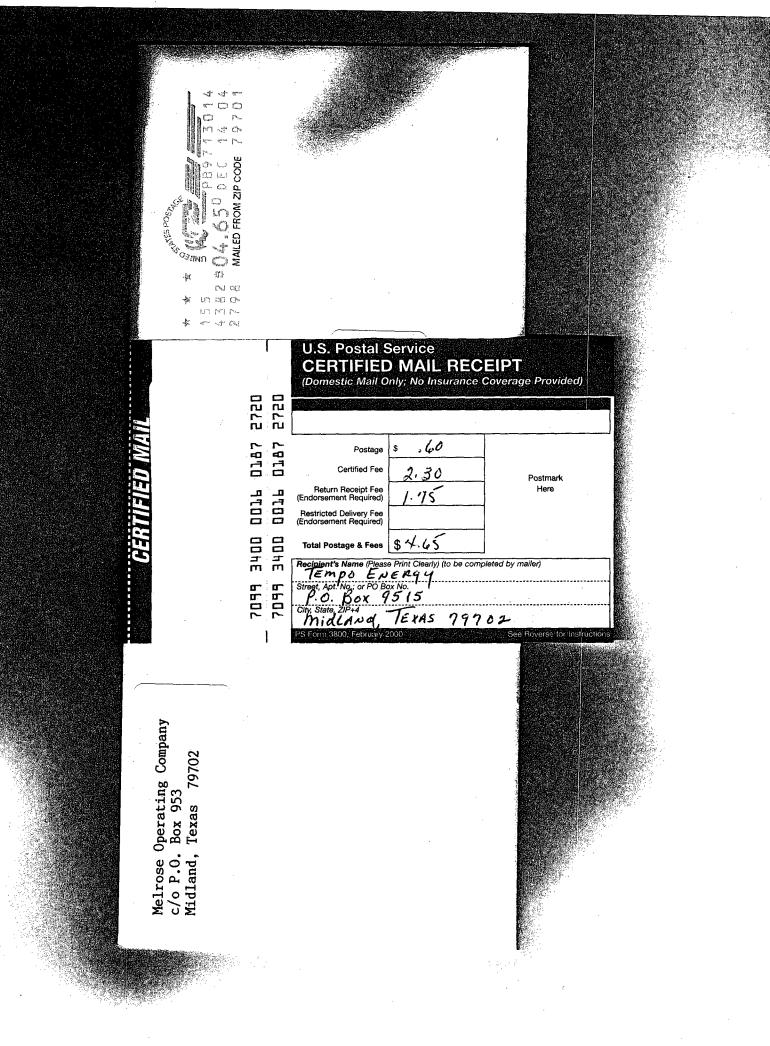
- <u>VIII.</u>: Geologic data has been previously submitted for Division Order No. R-2243, May 27, 1962 and also Administrative Order No. WFX-633, May 14, 1992.
- IX: At this time no stimulation program is proposed for the injection interval.
- X.: Logs have been previously submitted.
- XI.: The fresh 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. & Temp Energy are the only two operators within I/2 mile of the applied for injection wells.

Notification has been submitted by certified mail to:

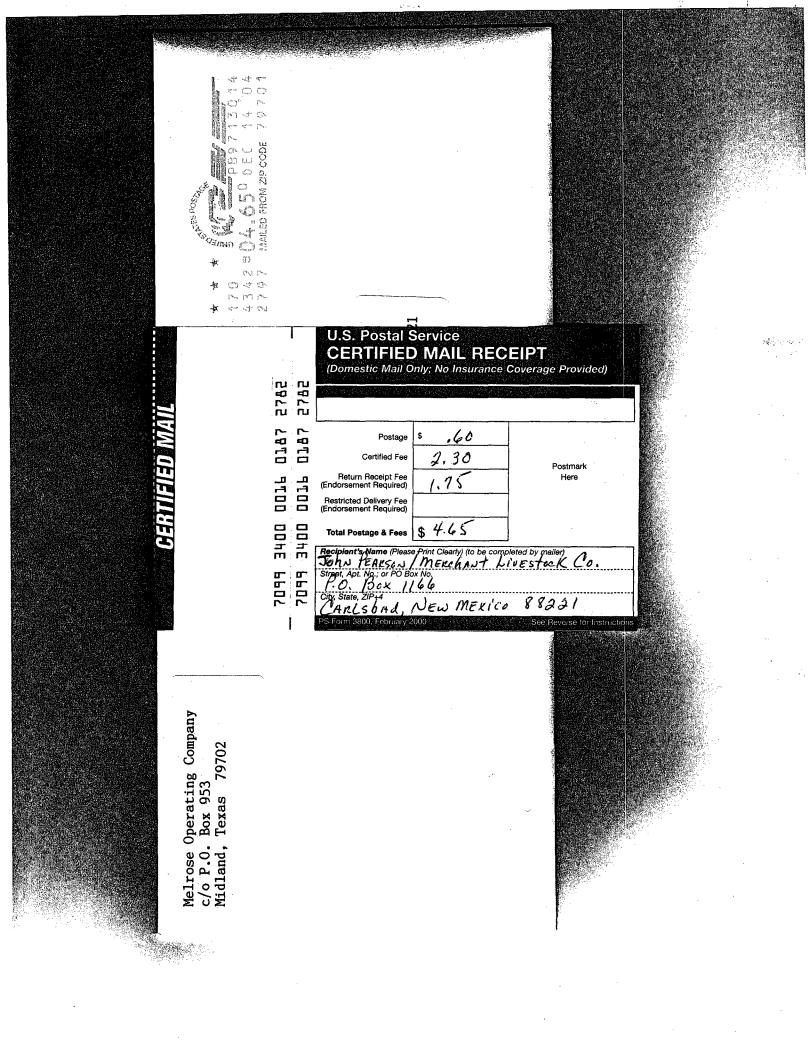
Tempo Energy, P.O. Box 9515, Midland, TX 79702 – Offset Operator. John Pearson, Merchant Livestock Co., Box 1166, Carlsbad, NM 88221 - Surface Owner.

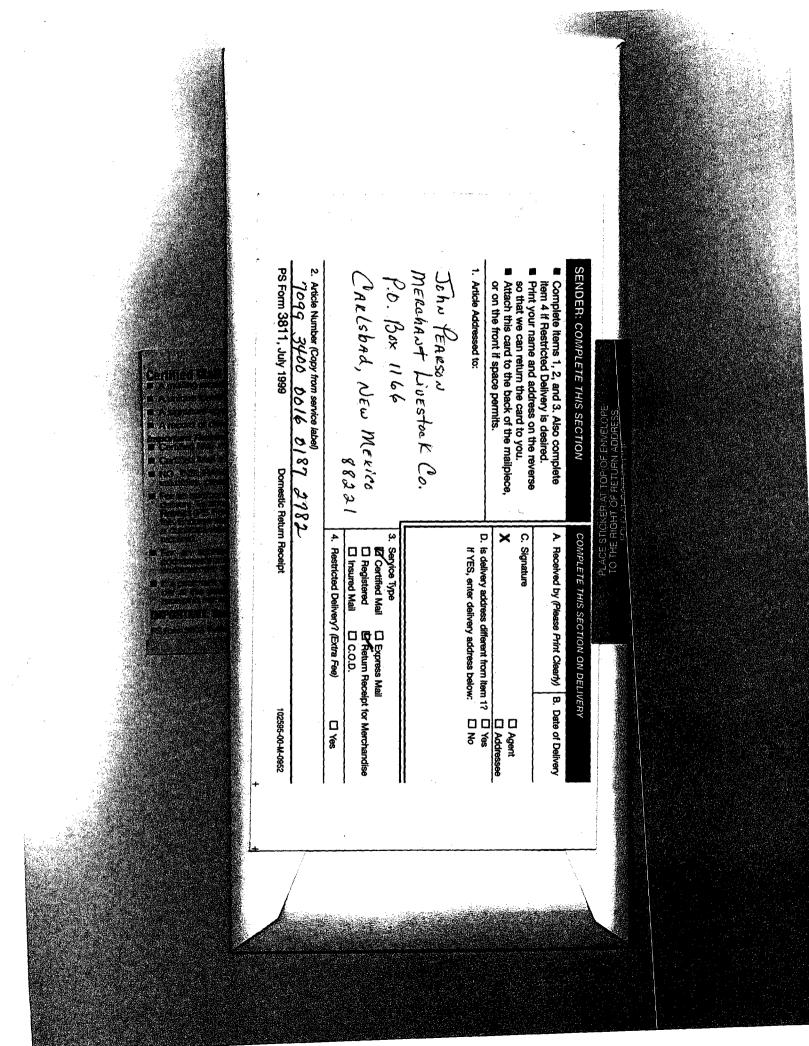
As stated in the publication parties must file objections or requests for hearing with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505 within 15 days of publication/notification. A copy of the NMOCD Form C-108 and Well Data Sheets and plat have been submitted to the above stated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

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



 Express Mail
 Express Mail
 Express Mail C Agent Addressee A. Received by (Please Print Clearly) B. Date of Delivery 102595-00-M-0952 8 مر D. Is delivery address different from item 1? ² D COMPLETE THIS SECTION ON DELIVERY If YES, enter delivery address below: 4. Restricted Delivery? (Extra Fee) C Registered 3. Service Type Lef Centified Mail PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF RETURN ADDRESS. C. Signature **Domestic Return Receipt** × 2. Article Number (Copy from service label) 7699 3400 0016 0187 2720 Tempo ENERgy P.O. Box 9515 Midland, TEXAS 19702 So that we can return the card to you.
■ Attach this card to the back of the mailpiece, Print your name and address on the reverse Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. SENDER: COMPLETE THIS SECTION or on the front if space permits. PS Form 3811, July 1999 1. Article Addressed to:





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.

2004

Beginning with the issue dated

October 30 2004 and ending with the issue dated

October 30

TAN dea

Publisher Sworn and subscribed to before

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October 2004 Public

My Commission expires November 27, 2004 (Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made. LEGAL NOTICE 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 # 115¹- 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 - Also, Well # 110 interval is from 3750' to 4200'. The proposed maximum surface pressure is 750 psi, with a maximum 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

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 Ro. 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:

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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 <u>28th</u> day of May, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the <u>Examiner</u>, 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 OAL 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

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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

> STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

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

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING

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.

<u>PROVIDED FURTHER THAT</u>, 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. LEM Director

SEAL

jc/

cc: Oil Conservation Division - Hobbs



Governor

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

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 Jamat 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:

Administrative Order WFX-798 Melrose Operating Company April 5, 2004 Page 2 of 3

.....

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

Same and

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.

Administrative Order WFX-798 Melrose Operating Company April 5, 2004 Page 3 of 3

. . .

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.

<u>PROVIDED FURTHER THAT</u>, 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 CONSERVATIÓN DIVISION

DAVID CATANACH Engineer/Examiner

SEAL

DRC

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

Analytical Laboratory Report for: **MELROSE OPERATING** COMPANY



UNICHEM Representative: Hanson, Lavell

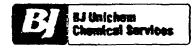
Production Water Analysis

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

Lab Test No: Specific Gravity: TDS: pH:	2003144500 1.054 80968 7.50	8ample	Date:	11/03/2003
Cations:		mg/L	85 :	······
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	85:	
Bicarbonate		708	(HCO_)	
Sulfate		1650	(\$0_)	
Chloride Gases:		45200	(CI)	
Carbon Dioxide		60	(CO_)	·
Hydrogen Sulfide		68	(H ₂ S)	

MELROSE OPERATING

Lab Test No: 2003144500



DownHole SAT[™] Scale Prediction @ 104 deg. F

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calche (CaCO3)	19.99	.764
Aragonite (CaCO3)	16.89	.757
Witherite (BaCO3)	.00324	-22.85
Strontlanite (SrCO3)	.488	-1,17
Magnesite (MgCO3)	26.49	.852
Antrydrite (CaSO4)	.719	-93.49
Gypsum (CaSO4*2H2O)	.759	-50.84
Barite (BaSO4)	5.82	1.18
Celestite (SrSO4)	.149	-156.1
Silica (SiO2)	0	-51.94
Bruche (Mg(OH)2)	.00494	216
Magnesium silicate	0	-121.19
Siderite (FeCO3)	83.53	.918
Halite (NaCI)	.02	-164080
Thenardite (Na2SO4)	< 0.001	-77885
fron 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 (

Champion PHONE: (505) 393-7726 Jechnologies, Inc. PORT WAT

6

Report for: John Pool	Date sampled: 02/23/95
cc: Chuck Morgan	Date reported: 03/01/95
cc: Cam Robbins	Lease or well # : JalMat #113
cc:	County: State:
Company: SDX Resoures , Inc.	Formation:
Address:	Depth:
Service Engineer: John Cornwell	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 = p	oH - pCa - pAlk - K					
SI $@ 86 F = +0.20$						
104 F = +0.42						

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

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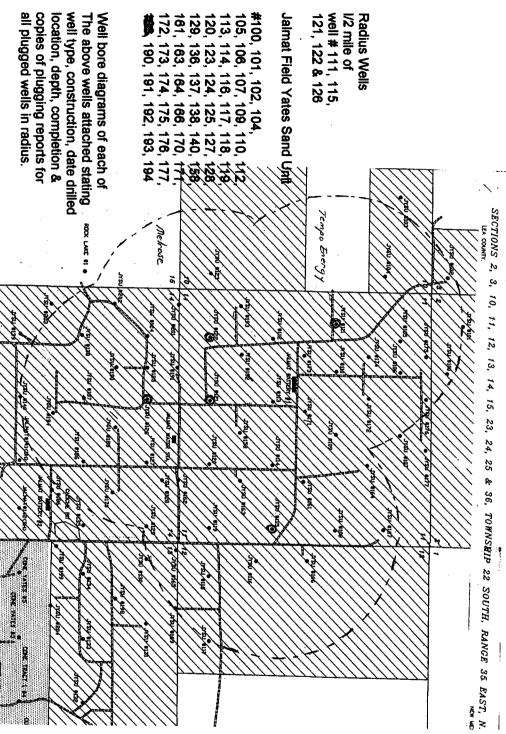
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89 89 89	1151	Well bore diagrams of each of The above wells attached stating well type, construction, date drilled location, depth, completion & copies of plugging reports for all plugged wells in radius.	137, 138, 140, 164, 166, 170, 174, 175, 176, 191, 192, 193,	#100, 101, 102, 104, 105, 106, 107, 109, 110, 1 113, 114, 116, 117, 118, t 120, 123, 124, 125, 127, 1	1/2 mile of well # 111, 115, 121, 122 & 126 Jalmat Field Yates Sand Unit	Radius Wells
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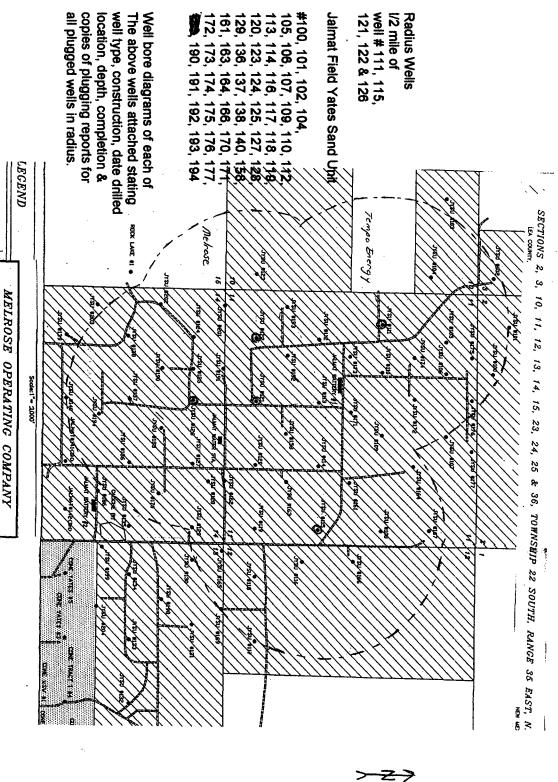
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15 15 15	Well bore diagrams of each of The above wells attached stating well type, construction, date drilled location, depth, completion & copies of plugging reports for all plugged wells in radius.	#100, 101, 102, 104, 105, 106, 107, 109, 110, 112, 113, 114, 116, 117, 118, 119, 120, 123, 124, 125, 127, 128, 129, 136, 137, 138, 140, 156, 161, 163, 164, 166, 170, 171, 172, 173, 174, 175, 176, 177, 172, 173, 174, 175, 176, 177,	Radius Wells I/2 mile of Well # 111, 115, 121, 122 & 126
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MELROSE OPERATING COMPANY

WELLBORE DIAGRAM/DATA

& PLUGGING REPORTS (where applicable)

JALMAT FIELD SAND YATES UNIT

1/2 MILE RADIUS WELLS

FOR

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

INCLUDING DIAGRAMS FOR

APPLIED FOR

WELLS # 111, 115, 121, 122 & 126

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						<u>Jalmat</u>				
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	Jalmat #101: 660 FWL & 660 FSL CURRENT WELLBORE DIAGRAM Melrose Operating Company
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	ST: LEA, NEW MEXICO LAND TYPE: STATE
	TUS: Plugged ACREAGE 40.12
	EST RIG WORKOVER:
DIAG	GRAM REVISED:
	LOG ELEVATION: N/R GROUND ELEVATION: '
Date Drilled: 05/1963	GROUND ELEVATION:
	CASING LINER TUBING
	Pipe 8 5/8 4 1/2 2 3/8"
Plugged:	TOC surface surface 4.7#
6/1974: CIBP @ 3659 w/ 5 sx on 1849-2001' w/10 sx	n top Grade Thread
100-0" w/10 sx	Depth 117 4,021
	cmt 50 525
	LOGS
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	├ ─── │
	TAN-YATES-7 RVRS ZONE HISTORY Spud. Initial Completion
	Perforated
	Treatment: acid frac
	IP: Oil Water Gas
	Comments
	Well plugged
SELECT PERFS:	
3837-3952	
	OPPORTUNITY
	Yates sand history
casing set 4 1/2	
TD' 4,021	

FORM TOP				Jalmat #102: 330	_		
				CURRENT WELLE			
				Meirose Opera	ting Company	_	
				Sec-T-R 3 -22S-36E	API #: 30-025		
				POOL: JALMAT; TAN-YATES-			
				CO, ST: LEA, NEW MEXICO			
					ACREAGE	40.12	
				LATEST RIG WORKOVER:	AUNLAUL	70.12	
1 1				DIAGRAM REVISED:			
				DIAGRAM REVISED.			-
				6	annan sainta kinin kaina an		20020
		10日			LOG ELEVATION	: N/R	_
			Date Drilled: 09/1958		GROUND ELEVA	TION: ' 3623	3 L
				·			
					CASING	LINER TUB	SIN
					12 1/4" 7 7/8"		~
				Pipe	8 5/8 5 1/2	2 2 3/8	
				Weight TOC	surface cal-surf	4./#	•
				Thread	Juliavo judrouil	+	
				Depth	318 3,96	5	
				Cmt	200 55		
				<u>Providence and a second secon</u>			
					LOGS		
1					<u> </u>	T	
				<u>i</u>			
				TAN MAT	TES-7 RVRS ZON	F WETODY	
					itial Completion	ERISTORT	
					3884-3900	3976-88 3960	<u>.</u>
					3952-56 3606-19		
				Treatment:	acid frac		
					NR NR		
				IP: Oil	Water Gas		
				Comments			
				Shut-in Injection w	ell		
			SELECT PERFS:				
			SELEVI FERFS.	1			
A I				l l			
	1 1960 1950						
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			3973-4113				
			3973-4113		OPPORTUNIT	/	-
			3973-4113		OPPORTUNITY	f - 11 - 12 - 12 - 12 - 1 2 - 12 - 12 - 12	
					OPPORTUNITY	f 	
			3973-4113		OPPORTUNIT	f ************************************	
					OPPORTUNIT		
					OPPORTUNIT		
			Casing set	Q			
			casing set 5 1/2	Q			
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										BORE D		M	
										ting Col			
						Sec-T-R	10-228			API #:			8581
						POOL:	JALMA	T;TAN-	YATES	-7 RVR	S (PRO	GAS)	
						CO, ST:		IEW ME	XICO	LAND			TE
						STATUS:				ACRE	AGE	###	
						LATEST R				<u>`</u>			
						DIAGRAM	REVIS	ED:	#####				
										LOG EL		I: N/R	3632 GR
										GROOM			3002 GN
					Date Drilled: 9-30-1958				ľ	CASING		LINER	TUBING
									Hole	T	l		
		部							Pipe	8 5/8	5 1/2		2 3/8"
									Weight TOC	surface	cal-surf		4.7#
									Thread	surrace	car-sun		
									Depth	320	4,098	 	· · ·
									Cmt	200	650		
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								[TAN-YA	TES-7 RV	RS ZON	- HIST	ORY
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					SELECT PERFS:								
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	State of New Mexico
Energy,	Minerals and Natural Resources Department

Form C-103	
Revised 1-1-89)

Submit 3 Copies to Appropriate District Office	State of New M Energy, Minerals and Natural R		х	Form C-103 Revised 1-1-89
<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO 2040 Pacheco St.		WELL API NO. 30-025-08583	
<u>DISTRICT II</u> P.O. Drawer DD, Artesia, NM 88 210	Santa Fe, NM 8	7505	sIndicate Type of Lea	
<u>DISTRICT III</u> 1000 Rio Brazos Rd., Aztec, NM 87410			₀State Oil & Gas Lea E1625	
(DO NOT USE THIS FORM FOR P DIFFERENT RES	DTICES AND REPORTS ON WEL PROPOSALS TO DRILL OR TO DEEPEN SERVOIR. USE "APPLICATION FOR PER A C-101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7Lease Name or Uni Jalmat Field Yat	-
IType of Well: OIL GAS WELL WELL	OTHER WIW			
ablama of Operator			Well No.	a na sin
Address of Operator PO Box 5061, Midland, TX 797	more Operating		105 ⊮Pool name or Wildca Jalmat (TN-YT-	
•Well Location Unit Letter660	Feet From The North	Line and 990	Feet From The	West Line
Section 11	Township 22S	Range 35E	NMPM	Lea County
	10Elevation (Show whether DF, 3623' DF	RKB, RT, GR, etc.		
	Appropriate Box to Indicate Na	1		
NOTICE OF I	INTENTION TO:	SUBS	SEQUENT RE	PORT OF:
	PLUG AND ABANDON	REMEDIAL WORK		ALTERING CASING
		COMMENCE DRILLING OF	NS.	
PULL OR ALTER CASING		CASING TEST AND CEME		
OTHER:		OTHER:	· · · · · · · · · · · · · · · · · · ·	
12Describe Proposed or Completed Operat work) SEE RULE 1103. 5/23/00 Notify OCD. MI & RU	tions (Clearly state all pertinent details, and give	pertinent dates, including est	limated date of starting	any proposed
	0 tbg (118 jts). RIH & tag CIBP @ 379 OH. Close in well.	97'. Circ 10# mud. Spot	25 sx @ 2797 - 3	500'. POH & spot 25 sx @
5/25/00 RIH & cut csg @ 385' wellhead. Level Pit &	. RIH & spot 55 sx @ 435'. POH & W cellar. Install dry hole marker. Move o	OC. RIH & tag cmt @ 2 ut.	58'. POH & spot 1	I0 sx @ surf. Cut off
I hereby certify that the information above	true, and complete to the best of my knowled	lae and belief.		
SIGNATURE BONNIL		ILE Regulatory Tech		ате 07-87-00
TYPE OR PRINT NAME Bonnie Atwater	· · · · · · · · · · · · · · · · · · ·			TELEPHONE NO. 915/685-1761
(This space for State Use)	$\sim \rho$			FAPR 0 3 2002
	1 Rolins. I	ILECOMPLIANCE OF		DATE
CONDITIONS OF APPROVAL, IF ANY:	you would "		FICER	

FORM	TOP				Π		N.	 	1	almat	4405	. 000		2 660	ENI	
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									Sec-T-R	11 -22				30-025		8583
									POOL:					S (PRO		
									CO, ST:		EW ME			TYPE:		
									STATUS:			<u> </u>	ACRE		40.12	
									LATEST R			K: P&. #####		2000		
				1					DIAGRAM	REVISE	:U:	*****				
								Date Drilled: 1-3-1959					GROUN	EVATION D ELEVA		
								P & A : 5-25-2000					CASING		LINER	TUBING
												Hole				
								5-24-00: Tagged CIBP @				Pipe	8 5/8	5 1/2		pulled
								Spotted 25 sx from 2797- Spotted 25 sx from 1870-				Weight TOC	surface	cal-surf		
								Spotted 25 sx rom 16/0- Spotted 55 sx @ 435	2070			Thread	sunace	Cal-Sun		
		議会						Tagged cement @ 258', s	spotted 10 sx (5		Depth	336	4,024	· · · · · · · · · ·	
										-		Cmt	250	400		
																
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											Sp Perforal		initial Con 3877-39		3004-07	3912-18
											r enora			3946-66		
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											Treatme		acid	frac		
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								SELECT PERFS:								
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FORM TOP				L	almat	#106: 660	FNL 8	% 1650) FWL	•
			1	 	and the second sec	RRENT WEL				
]	 		leirose Oper				
				Sec-T-R	11 -22			30-025		8595
			1	POOL:		T;TAN-YATE				0080
				CO, ST:		EW MEXICO				
				STATUS:			ACRE		40.12	•
				LATEST F			INCRE		40.12	
				DIAGRAM			#			
							77	hy Files and a long		<u></u>
								EVATION	· N/P	
			l l				GROUN	ID ELEVA	TION:	3622
			Date drilled: 9-30-1958			l l	CASING	3	LINER	TUBING
						Hole		1		1
						Pipe	8 5/8	5 1/2		2 3/8
						Weigh TOC	t surface	1490'TS	 	4.7#
						Thread		10013	<u> </u>	
						Depth	336	4,039	<u> </u>	1
						Cmt	200	268		
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							ATES-7 R		E HISTO	RY
						Spud.	Initial Con	npletion		
						Perforated	3876-86	3925-35	3984-94	
						Treatment:	acid	frac		
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						IP: Oil	Water	Gas		
						Comments				
						- AILINGING				
			SELECT PERFS:							
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			3874-4004							
							OPPO	RTUNITY		
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1			casing set						<u>in 1997 - 1997</u>	****
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7			
NO. OF COPIES RECEIVED			Form C-103
DISTRIBUTION		× .	Supersedes Old
SANTA FE	NEW MEXICO OIL CONSE	RVATION COMMISSION	C-102 and C-103 Elfective 1-1-65
FILE			
U.S.G.S.			5a, Indicate Type of Lease
LAND OFFICE			State XX Fee
OPERATOR			5, State Oil 6 Gas Lease No. E-8244
	RY NOTICES AND REPORTS ON I ROPOSALS TO DRILL OR TO DEEPEN OR PLUG BA ATION FOR PERMIT (FORM C-101) FOR SUCH		
1		· ·	7. Unit Agreement Name
OIL GAS WELL WELL	отнся. Water Ind	ection Well J	almat Field Yates Sand Unit
2. Name of Operator			8, Farm or Lease Name
Gulf Oil Corporation 3. Address of Operator			· · · ·
3, Address of Operator	•		9. Well No.
Box 670, Hobbs, New !	fexico 88240		107
4. Location of Well			10. Field and Pool, or Wildcat
UNIT LETTER _B	660 FEET FROM THE North	LINE AND 2310	Jalmat
THE East the second	TION 11 TOWNSHIP 22-S	35-E	
	15. Elevation (Show whether D	DF, RT, GR, etc.)	12. County
	360	4' GL	Lea Allilli
16. Check	Appropriate Box To Indicate Na	ature of Notice, Report	or Other Data
	INTENTION TO:	-	QUENT REPORT OF:
_			
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING OPHS.	PLUS AND ABANDONMENT
PULL ON ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	
	· · · · · · · · · · · · · · · · · · ·	OTHER	· · · · · · · · · · · · · · · · · · ·
OTHER	L_	Discould and sta	
	1	Plugged and aba	ndoned noluding estimated date of starting any proposed

4010' TD, 4004' PB.

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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. .

BIGNED	TITLE Area_Engineer	DATE June 18, 1974
APPROVED BY JOHN W. Munipan CONDITION OF APPROVAL, IF ANYI	Geologist	DATE FR 1074

		No. of the local division of the local divis		hands N		10124									
FORM	TOP		175 J			1. 後援			Jalmat	#107	: 660	FNL 8	£ 231()' FEL	-
									CU	RRENT	WELLI	BORE I	AGRA	M	
											Opera	and shake the second statement is second if a			
								Sec-T-R			API #:				8596
								POOL:					S (PRO		
								CO, ST: STATUS:				ACRE	TYPE:	40.12	
								LATEST F			R [.]	ACKE	MOE	40.12	
								DIAGRAM			######				
										<u> </u>					
								Lse# E-82 Spud date: 6				LOG EL	EVATION D ELEVA	I: N/R	3604'
								Comp:7/16/				GROOM	DELEVA		3004
								TD: 4009				CASING		LINER	TUBING
								PBTD: 3990 P & A final 6			Hole	12 V4 8 5/8	7 7/8" 5 1/2		2 3/8"
								r o A nhai c	-10-19/4		Pipe Weight	1 0 3/0	5 1/2		4.78
				4							TOC	surface	650'TS		pulled
							P&A: 6-18-74 CIBP @ 3830' w/ 5 sx or	top			Thread Depth	335	4,009		┨┤
				17 a.			1842-2008 w/15 sx	- F			Crnt sx		350	L	1
						6	100'-surface w/10 sx								
												1	LOGS		T
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											TAN-YA	TES-7 R	VRS ZON	E HISTO	RY
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						(CT & 184				Perfora	ted	3858-39	95'		
										Treatm	ent:	acid	frac		
										IP:	Oil	Water	Gas		
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NO. OF COPIES RECEIVED			Form C-103 Supersedes Old
DISTRIBUTION	_		C-102 and C-103
SANTA FE	NEW MEXICO OIL CONS	SERVATION COMMISSION	Effective 1-1-65
FILE			
U.S.G.S.			Sa. Indicate Type of Lease
LAND OFFICE			State X Fee
OPERATOR	-		5. State Oil & Gas Lease No.
			E-2682
(DO NOT USE THIS FORM FOR	DRY NOTICES AND REPORTS ON PROPOSALS TO BRILL OR TO DEEPEN OR PLUG E ATION FOR PERMIT (FORM C-101) FOR SUC	WELLS BACK TO A DIFFERENT RESERVOIR.	
	ATION FOR PERMIT -** (FORM C-101) FOR SUC	H PROPOSALS.)	7. Unit Agreement Name
			1
	OTHER.	· · · · · · · · · · · · · · · · · · ·	Jalmat Field Yates Sa
2. Name of Operator			8. Farm or Lense Name
Gulf Oil Corporation	۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ -		
3. Address of Operator			9. Well No.
P. O. Box 670, Hobbs,	, N.M. 88240		118
4. Location of Well		<u></u>	10. Field and Pool, or Wildcat
UNIT LETTER M	660 FEET FROM THE South	LINE AND 660 FEET FROM	Jalmat
UNIT LETTER	FLET FROM THE	LINE AND FEET PRO	
THE West LINE, SEC	10N 12 TOWNSHIP 22S	BANGE 35E NMPN	
THE LINE, SEC	TION TOWNSHIP	RANGE HMPD	•ΧΗΗΗΗΗΗΗΗΗΗΗ
	15. Elevation (Show whether	OF, RT, CR, etc.)	12. County
	3612° G		Lea
	Appropriate Box To Indicate N	· · · · · · · · · · · · · · · · · · ·	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING [PLUG AND ABANDONMENT [nment[
OTHER			
containing 15 sacks o	an CI BP and set at 3725' f Bentonite. Mud weight a t from 50' to surface. In d abandoned 2-14-72.	8.4#. Spotted 10 sacks	cement on ton of BP
. I hereby certify that the information	n above is true and complete to the best of	my knowledge and the first	
		my knowledge and belief.	
1217	nC		

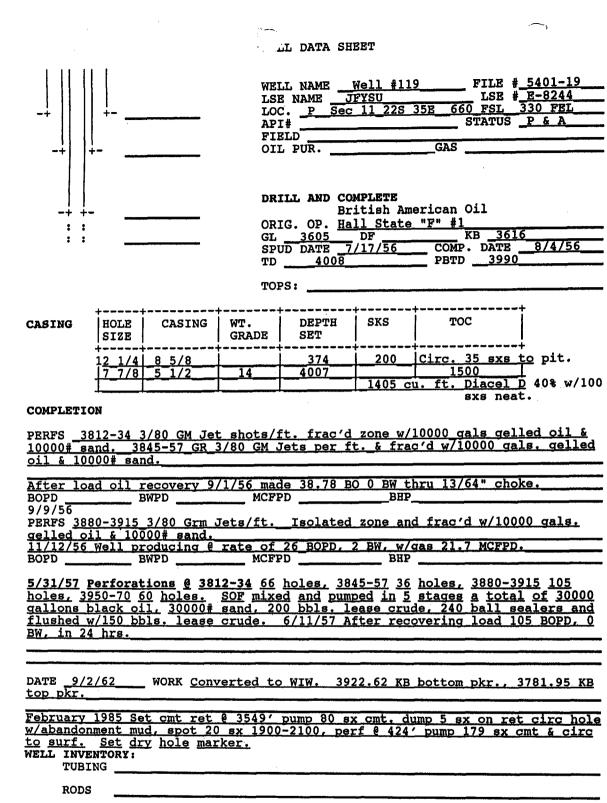
signed to, J. Kalleyer	Area Engineer	DATE 2-14-72
APPROVED BY Mathan E. Oligq	INCOLL & GAS INSPECTOR	MAR 8 1372

FORM TOP			<u> </u>					
				Jalma				
			1	JRRENT WELL			M	
				Melrose Opera	ating Co	mpany		
				2S-36E API #				
		8 5/8" @ 374		AT; TAN-YATES				
		w/200 sx	CO, ST: LEA,	NEW MEXICO	LAND	TYPE:	STATE	
		Circ. 35 sx to pi			ACRE		40.12	
			LATEST RIG WO			·····		
			DIAGRAM REVIS		ŧ			
		400 第1	Lse# E-8244		LOG EL	EVATION	I: N/R	
			Spud date: 7-17-56		GROUN	D ELEVA	TION:	3612' GL
			Compl.: 8-4-56	(1
			TD: 4008' PBTD: 3990'	l. lala	CASING 12 V4	7 7/8*	LINER	TUBING
			PB10. 3990 P & A final 02/1985	Hole Pipe	8 5/8		<u> </u>	2 3/8"
				Weight				4.7#
				Grade				
				Thread				
				Depth Crnt sx	374		ft D w/10	
		TOC: 1500'		Porta SX	1200	11-100 00		
					1	LOGS		
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					-	1	<u> </u>	1
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				TANY	ATES-7 R	VRS ZON		PV
				Spud.	Initial Cor			
				Perforated	3812-39			
				Treatment:	acid	frac		
				IP: Oil	Water	Gas		
				i i				
				Comments				
		Plugging data:		Well plugged				
		2-14-72: CIBP	@ 3725', w/ 20 sx cmt on top.					
			ment from 50' to surface.	1				
			nt ret. @ 3549', pumped 80 sx c	mt	1			l
			retainer, spotted 20 sx from					
		circulated to su	fed @ 424' pumped 179 sx cmt	Č.				
		SELECT PERF						
		3812-3970						
					OPPC	RTUNIT	/	
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			\checkmark					
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					QUEEN ZO	ONE HIST	ORY	
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1 1 1	TD'	I	Current	<u> </u>				

POOL: JALMAT,TAN-YATES-7 RVRS (PRO GAS) GO, ST: LAREAT WHEXICO L-AN MEXICO L-AN VIPE: STATUS: Plugged ACREAGE 40.12 LATEST RIG WORKOVER: DIAGRAM REVISED: DIAGRAM REVISED: #### Uvel P & A.2:14-72. LOG ELEVATION: NR CIBP @ 3725 will be cnt on top. #### Bas cnt spotted from S0 to suffice. LOG ELEVATION: NR Bas cnt spotted from S0 to suffice. LOG ELEVATION: NR Date Dilled: 12/1958 Completion: 12/0/1958 The Dilled: 12/0		Record and the second		1	1997 - Line 199 - Trink in 2010 - Line 199					d ar a suita
CURRENT WELDBORT DAGRAM Menops Dagram State SU-7-R 12-225-335 [AP1 #: 30-025 E-2 POOL: JALMAT, TAN-YATES-PROS (PRO: GAS) E-2 CO.ST: JALMAT, TAN-YATES-PROS (PRO: GAS) E-2 CO.ST: JALMAT, TAN-YATES-PROS (PRO: GAS) E-2 LATEST FIG WORKOVER: DIAGRAM REVISED: ##### Veil P & A 214-72. COE ELEVATION: WR E-2 CIBP @ 3725 W10 as crit to top. 8 as crit explaints: 3 as 3 as 3 as 3 B as crit explaint from SP to surface. E-2 E-2 Date Orline: 12/956 Tradit and the provide at and the provide at and the provide at an and the provide at an	FORM TOP			1 .	Jalmat #	118: 660) FSL	& 660	FWL	
Melrose Operating Company SUJART: 12-22-355 [AP1 #: 30-025] CO.ST: LEA, NEW MEXICO: LAND TYPE: STATE Constant on top. B as crit spotted from SV to surfice. Date Dified: 12/1958 Completion: 12/0/1955 TAN-VATES-7 KVRS ZONE INSTORY Spaid: Infild Completion TAN-VATES-7 KVRS ZONE INSTORY Spaid: Infild Completion TAN-VATES-7 KVRS ZONE INSTORY Spaid: Infild Completion Teatment: acid frac IPERPS:				 `						
SUJT-R 12-225-35E API 18: 0-025- E-200 E-225-35E API 18: 0-025- ACREAGE 40.12 LIAINATTES-TRUES (PRO GAS) ACREAGE 40.12 ACREAGE 40.12 LATEST RIG WORKOVER: DIAGRAM REVISED ##### Interview Interview Viel P & A 2-14-72. CIBP § 3725 WHO is ont in top. Interview Interview Interview CIBP § 3725 WHO is ont in top. Interview Interview Interview Interview Interview Date Difficit 12/1958 Interview Inter				l						
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ENERGY AND MINEPALS DEPARTMENT OIL CONSERVATION DIVISION DISTRIBUTION SANTA PE P. C. BOX 2088 SANTA FE. NEW MEXICO 87501 PILE U.S.O.S. 5, 71 A LAND OFFICE Sa. Indicute Type of Leuse OPERATOR State S. State Oli 6 Gas Lease No. F-8244 DO NOT USE THIS FOR SUNDRY NOTICES AND REPORTS ON WELLS OIL [.... WELL Lie has seen stored 2. Name of Operator itas Gulf Oil Com arm of Lease lian J. Address of Operator P. 0 0. Box 9. Well No. 670 Hobbs NM Location of Well 88240 a 10. Field and Pool, or Wildcat almin 17 15. Elevation (Show whether DF, RT, GR, etc.) 12. County Check Appropriate Box To Indicate Nature of Notice, Report or Other Data 1.0 SUBSEQUENT REPORT OF: AM AEMEDIAL WORE PLUE AND ABANDON ABILY ABANDON AND CEMENT JOS 17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any propositions and propositions of starting any propositions of the starting and propositions of the starting and propositions are propositions and propositions are propositioned and propositions and propositions are propositions a the + pki Set cont Net @ 3560', test 3000#. Pump 80 al cont st. cmt on ret. Circ hole waband 10 1950'- 2050! Per 1 Q 512" Coo Circi ant lan + Carl Internet, Carly Strategy ÷. Rectauries and · · · · P in the arrest of the second 18. I hereby certify that the information abo true and complete to the best of my States in the States knowledge and belief. ELIGINEE ORIGINAL SIGNED BY JERRY SEX PON 11-21-24 DATE DISTRICT | SUPERVISOR 1.1 APPROVAL TP ANY - **1** and the second second second second

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										-7 RVR		GAS)	
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										LOG EL	EVATION	: N/R	
					Well P & A 11-21-84					GROUN	EVATION D ELEVA	TION: '	
					Cement Retainer @ 356		cment,						
:					dumped 5 sx on ret. Spo	tted 10 sx plug				CASING		LINER	TUBING
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REMARKS :

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DISTRIBUTION			Form C-103 Supersedes Old
SANTA FE			C-102 and C-103
FILE	NEW MEXICO OIL CONSI	ERVATION COMMISSION	Effective 1-1-65
U.S.G.S.			5a. Indicate Type of Lease
LAND OFFICE	1		State vy Fee
OPERATOR			5. State Oil & Gas Lease No.
)		
	Y NOTICES AND DEPORTS ON	WELLC	<u>B-8244</u>
OO NOT USE THIS FORM FOR PRO	Y NOTICES AND REPORTS ON SPOSALS TO DELLA OR TO DEEPEN OR PLUG BALS TO DELLA OR TO DEEPEN OR PLUG BALS	WELLS ACK TO A DIFFERENT RESERVOIR.	
1.	TOR FOR FERMIN 4 (FORM C-TOT) FOR SUC		7. Unit Agreement Name
OIL WELL CAS	OTHER-	To Toy of	
2. Name of Operator		Jaimat	Field Yates Sand Unit 8. Form or Lease Name
Culf Odl Componition			
Gulf Oil Corporation 3. Address of Operator	<u> </u>		9. Well No.
Dave (70 Habbar Neve M	and a		120
Box 670, Hobbs, New Me	2x100_80240		10. Field and Pool, or Wildcat
UNIT LETTER 06	60 FEET FROM THE South	1650	Jalmat
UNIT LETTER ,	PEET FROM THE	LINE AND LOJU FEET FROM	
East Luc energy	DN 11 TOWNSHIP 22-S	35-R	$\boldsymbol{\chi}_{\boldsymbol{i}}(\boldsymbol{i}) = \boldsymbol{\chi}_{\boldsymbol{i}}(\boldsymbol{i}) = \boldsymbol{\chi}$
THELINE, SECTION	N TOWNSHIP	RANGE JJ-E NMPM.	
	15. Elevation (Show whether 1	DF, RT, GR, etc.)	12. County
		3609' GL	Lea AllIIIII
^{16.} Check	Appropriate Box To Indiante N	مريبها فبغاباتها البيب المراجعة المتكار المتناكر الكرباني فيستجد بتهيد المكالي الت	
	Appropriate Box To Indicate Na ITENTION TO:	-	
NOTICE OF IN	TENTION TO:	SUBSEQUENT	REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	
TEMPORARILY ABANDON		COMMENCE DRILLING OPNS.	ALTERING CASING
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	PLUG AND ABANDONMENT
		OTHER	· · · · · · · · · · · · · · · · · · ·
OTHER		VINEN	
		Plugged and abandoned	
17. Describe Proposed or Completed Op work) SEE RULE 1103.	erations (Clearly state all pertinent detai		estimated date of starting any proposed

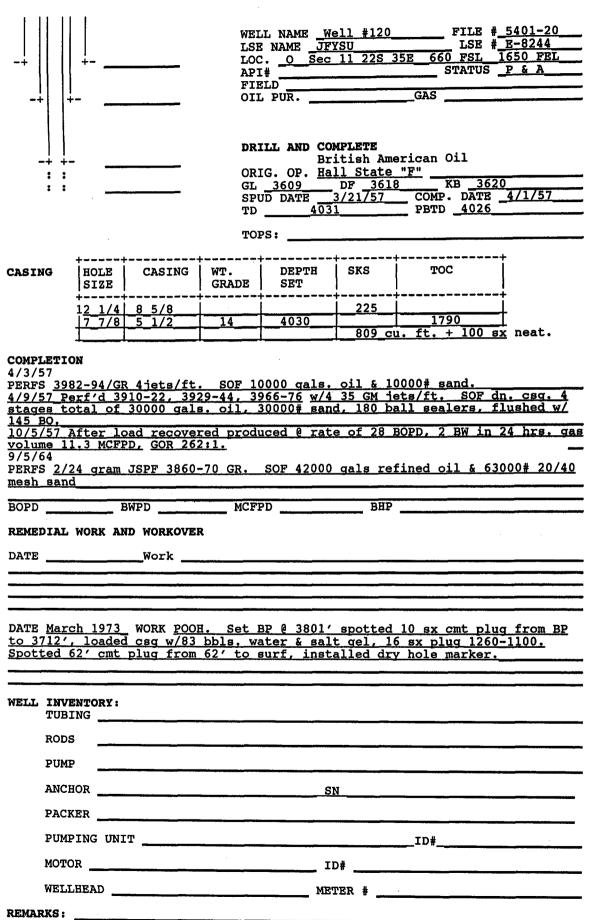
4026' PB, 4031' TD.

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. Spotte 62' cement plug from 62' to surface. Installed dry hole marker. Cleaned location. Plugged as abandoned March 30, 1973.

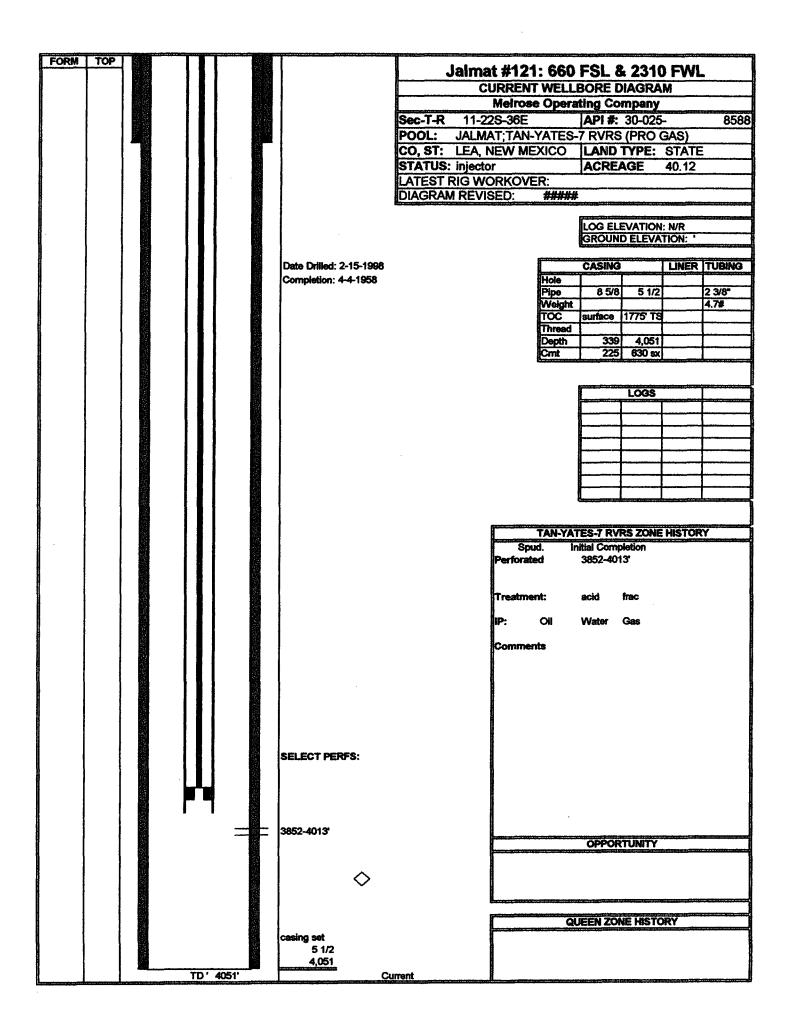
18. I hereby certify that the information above is true and comple	te to the best of my knowledge and belief.	,
SIGNED R. Q. Bulageale	TITLE Area Engineer	DATE March 30, 1973
- Only Remain	Geologist	907 00 1000

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			11-228-35					8585
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			1		Jalmat #122: 660		
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			1		Melrose Opera		
				Sec-T-R		API #: 30-025	
				POOL:	JALMAT; TAN-YATES		
· ·				CO, ST:	LEA, NEW MEXICO		
				STATUS:		ACREAGE	40.12
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FORM	TOP					Jalmat #124: 66		
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					<u> </u>		rating Company	
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					POOL:	JALMAT; TAN-YATE		
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			100 B		STATUS:		ACREAGE	40.12
		e 53				RIG WORKOVER:		
					DIAGRAM	REVISED: ###	##	
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FORM TOP			
			Jalmat #125: 660 FNL & 1650 FWL
			CURRENT WELLBORE DIAGRAM
			Melrose Operating Company
			Sec-T-R 14 -22S-35E API #: 30-025- 21485
			POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS)
			CO, ST: LEA, NEW MEXICO LAND TYPE: STATE
			STATUS: WTR SPLY WELL ACREAGE 40.12
			LATEST RIG WORKOVER:
			DIAGRAM REVISED: #####
			LOG ELEVATION: N/R
			GROUND ELEVATION: '
			CASING LINER TUBING
			Hole
		Date Drilled: 5-12-1962	Pipe 13 3/8" 8 5/8" 4 1/2"
		Completion: 7-8-1962	Weight 54.5
			TOC surface 2019
			Thread Depth 2130' 2019-4178
		Open hole: 4178-4663	Cmt 1630 sx 499 sx
		CIBP @ 4075 w/ 25 sx - 1	
		60 sx cmt from 2075-1950	С
		Perfed 13 3/8" @ 110' & I	LOGS
		head cmt from surf &	
		circulate up backside.	
		wsw	
			TAN-YATES-7 RVRS ZONE HISTORY
			Spud. Initial Completion
			Perforated
			Treatment: acid frac re-frac
			IP: Oil Water Gas
			Comments
		SELECT PERFS:	
			OPPORTUNITY
		\land	
			QUEEN ZONE HISTORY
		casing set	
		8 5/8"	
	躙	2019-4178	
	TD' 4663'		

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						Meirose Op				
					Sec-T-R	14-22S-35E		30-025		861
					POOL:	JALMAT; TAN-YAT	ES-7 RVR	S (PRO	GAS)	
					CO, ST:		O LAND	TYPE:	STATE	
					STATUS:		ACRE		40.12	
		1				RIG WORKOVER:	<u>r</u>			
							###			
				Date Drilled: 1-15-1958				EVATION	· N/R	
				Completion: 2-11-1958			GROU	ND ELEVA	TION:	359
						<u> </u>	CASING	3	LINER	TUBING
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						Pip	€ 85/8	3 5 1/2		2 3/8
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						TAN	-YATES-7 R	VDC TON		av.
						Spud.	Initial Co			<u> </u>
						Perforated	3835-39			
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						Treatment:	acid	frac		
						IP: Oil	Water	Gas		
	響					Comments				
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				SELECT PERFS:						
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[3835-3964						
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						1	QUEEN Z	ONE HIST	ORY	
1				casing set						<u> </u>
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			4-12-1			3				
			4069'	4,069						

FORM TOP			FNL & 1650 BORE DIAGRA	
			ting Company	
	Sec-T-R 14 -229		API #: 30-025	- 862
			-7 RVRS (PRO	
	CO, ST: LEA, NE	W MEXICO	LAND TYPE:	STATE
	STATUS: T/A			40.12
	LATEST RIG WOR		INONEHOL	
	DIAGRAM REVISE			·····
			LOG ELEVATION GROUND ELEVA	: N/R TION: 1 3601 DF
			CASING	LINER TUBING
		Hole		
		Pipe	8 5/8 5 1/2	2 3/8" 4.7#
		Weight TOC	surface 1730 TS	
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			TES-7 RVRS ZONI	E HISTORY
		Spud. I Perforated	Initial Completion 3850-3978	
		renoraceu	5666-5570	
		Treatment:	acid frac	
		IP: Oil	Water Gas	
		Comments		
	SELECT PERFS:			
	CIBP @ \$800 w/50 sx cement-T/A			
	2050 2078			
	3850-3978		OPPORTUNITY	,
	\diamond			
	F	Q	UEEN ZONE HIST	ORY
	casing set 5 1/2			
	4,035			
TD' 4035'	Current			

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								#128: 330				
				詞题				RRENT WELL				
								elrose Opera				
					wsw	Sec-T-R		S-35E	API #:			
						POOL:		T;TAN-YATES				
						CO, ST:		EW MEXICO				
								Supply Well	ACRE	AGE	40.12	
	[LATEST F						
						DIAGRAM	REVISE	D: #####				
					Date Drilled: 01/1961				LOG EL GROUN	EVATIO	N: N/R	
					Completion: 01/1961				GROUN	U ELEV/	ATION.	****
								1	CASING		LINER	TUBING
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			TD' 14	192'		urrent			-			

Jaimat #129: 660 FNL & 330 FEL CURRENT WELLGORFN WELLGOLANDAM Billion Operating Company Sa 670 Compation For Fore Sa Fore S	FORM	TOP				1				1
Melicas Operating Company S = 80-0 SecR1 4-225-35E API #: 30-025 6619 S = 80-0 SecR1 4-225-35E API #: 30-025 6619 C = 1000-000-000-000-000-000-000-000-000-00				No. of the second s		Ja				
S at 60'0 Sec.T.R. 14-225-35E API #: 30025 S65 CO, ST. LEA, NEW MEXICO, LAND TYPE: STATE STATUS: PUBLIC LAND TYPE: STATE STATUS: PUBLIC ACREAGE: 40.12 LATEST RIG WORKOVER DAGRAM REVISED: Data Dillas: 5-18-1656 Compation: 5-18-1656 Solution: 100 Solution: 100 </td <th></th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
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POOL: JALMAT, TANYATES-7 RVR8 (PRO CAS) CO, ST. LEA, NEW MEXICOL STATUS TATUST RG WORKOVER JALEST RG WORKOVER Data Drilled: 5-16-1566 ID ELEVATION: NR Compatibil: 5-10-1568 Plugged : ID ELEVATION: NR Provide Status ID ELEVATION: NR					5 sx 60'-0'	Sec-T-R	14-22S-35E	API #: 30-025	<u>`</u> -	8619
CO. 5T. LEA. NEW MEXICO. LAND TYPE: STATE STATUS: Flugged & Aben. LATEST RIG WORKOVER DAGRAM REVISED Data Drive: 5-18-1656 Computer: 5-18-1656 Compute										
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SELECT PERFS: CiBP @ 3773' w/10 sx on top 3824-3945' OPPORTUNITY Casing set 41/2' 3967'							Spud.	Initial Completion]
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Casing set 4 1/2" 3967					3824-3945					
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DISTRIBUTION SANTA FE FILE	N	EW MEXICO OIL CONS	ERVATION COMMIS	SION	Supersedes Old C-102 and C-103 Effective 1-1-65	
U.S.G.S.			I		5a. Indicate Type of L State X	ease Fee
DPERATOR					5. State Oil & Gas Le E-8173	ase No.
(DO NOT USE THIS FORM FOR USE "APPLI	IDRY NOTICES	AND REPORTS ON	WELLS	ERVOIR.		
OIL GAS GAS WELL	OTHER-		····	Jalma	7. Unit Agreement Nat Field Yates	
Name of Operator Gulf Oil Corporation	on .				8. Farm or Lease Nam	
Address of Operator Box 670, Hobbs, New	-	240			9. Well No.	
Location of Well		······································		<u></u>	129 10. Field and Pool, or	Wildcat
		T FROM THE North			Jalmat	
THE East LINE, SE	CTION 14	TOWNSHIP22-	<u>5 _{RANGE} 35-E</u>	NМРМ.		
	15.	Elevation (Show whether	DF, RT, GR, etc.) 3594 'GL		12. County Lea	
	k Appropriate INTENTION	Box To Indicate N ro:		-	er Data REPORT OF:	
CRFORM REMEDIAL WORK	н. 1917 — П. С.	PLUG AND ABANDON	REMEDIAL WORK		ALTERING C	SING
ILL OR ALTER CASING		CHANGE PLANS	COMMENCE DRILLING OF		PLUG AND AS	ANDONMENT
•			OTHER		· · · ·	
OTHER	Operations (Clear	rly state all pertinent deta	Plugged and			ig any propo
3970' TD, 3951' PB Pulled rods mud. Spotted 10 sa Installed dry hole	ack cement (tubing. Ran C on top of BP. S cleaned locatio	Spotted 5 sack	cement plu	ug from 60' to	surface
Pulled rods mud. Spotted 10 sa	ack cement (on top of BP.	Spotted 5 sack	cement plu	ug from 60' to	surface
Pulled rods mud. Spotted 10 sa	ack cement (on top of BP.	Spotted 5 sack	cement plu	ug from 60' to	surface
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Pulled rods mud. Spotted 10 sa Installed dry hole	ack cement of marker and	on top of BP. S cleaned location	Spotted 5 sack on. Plugged an	cement plu nd abandon	ug from 60' to	surface, 1972.

	(
40. OF COPIES RECEIVED	ן	Form C -103
DISTRIBUTION	1	Supersedes Old
SANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION	C-102 and C-103 Effective 1-1-65
FILE		
U.S.G.S.		Sa. Indicate Type of Lease
LAND OFFICE		State XX Fee
OPERATOR		5. State Oil & Gas Lease No.
	· · · · · · · · · · · · · · · · · · ·	E-8173
SUNDR	RY NOTICES AND REPORTS ON WELLS probals to drill or to deepen or plug back to a different reservoir. Ion for fermit -" (form C-101) for such proposals.)	
		7. Unit Agreement Name
WELL WELL	OTHER- Jalmat	Field Yates Sand Unit
2. Name of Operator		8, Farm or Lease Name
Gulf Oil Corporation 3. Address of Operator		
		9. Well No.
Box 670, Hobbs, New Mex	ico 88240	129
4. Location of Well	<i>**</i>	10. Field and Pool, or Wildcat
UNIT LETTER , (660 FEET FROM THE North LINE AND 330 FEET F	nom Jalmat
	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
(1)	3594' GL	Lea
	Appropriate Box To Indicate Nature of Notice, Report or SUBSEQUE	Other Data ENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JOB	
_	OTHER	
OTHER "Plug and abandon	<u>a</u>	
11 Describe Descread on Completed On	anti- (Clearly state all pertinent details and size pertinent dates inclu	ding estimated date of starting any proposed

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.

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

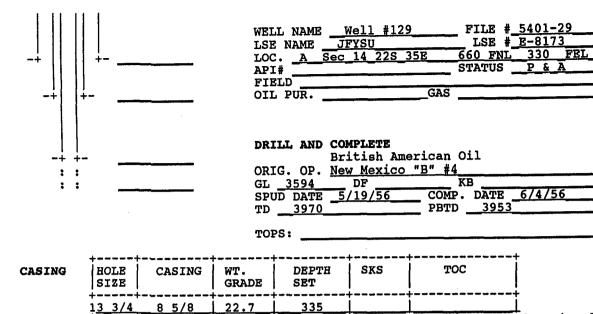
SIGNED	6.2.7	alterger	TITLE Area Engineer	DATE January 19, 1972
APPROVED BY _		Orig. Signed by Jon D. Ramey	TITLE	JAN 20 1972

LL DATA SHEET

.~~~;

185 Incor w/312 cu. ft. Diacel

followed w/100 sxs neat Incor



COMPLETION

3/4

1/2

4

9.5

PERFS <u>3936-45</u>, <u>3870-94</u> <u>4/19</u> 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/l0000# sand & 10000 gals lease oil, flushed w/55 bbls lease oil treated upper perfs only. <u>6/8/56 Set pkr. @ 3842 frac'd 3870-94 w/10000 gals gelled lease crude &</u> 10000# sand. <u>6/25/56 All load oil recovered - well made 90 BO, 3 BW in 24 hrs. on 48/64"</u> choke.

3969

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

WELL	INVENTO TUBING	R¥ :		
	RODS			
	PUMP			
	ANCHOR		SN	
	PACKER			····
	PUMPING	UNIT		ID#
	MOTOR _		_ ID#	
	WELLHEA	D	METER #	·
REMAR				
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FORM	TOP					J	almat #136: 1980		
							CURRENT WELL		
			N.				Melrose Opera	ting Company	
						Sec-T-R	14-22S-35E	API #: 30-02	5- 86
		密羅				POOL:	JALMAT; TAN-YATES		
						CO, ST:			
						STATUS:		ACREAGE	40.12
		感					RIG WORKOVER:		
				熱雨		DIAGRAN	REVISED: #####	¥ 	
								LOG ELEVATIO	
				201 201	Date Drilled: 12-27-1956			GROUND ELEVATION	ATION: ' 3700 E
					Completion: 1-15-1957			<u> </u>	
						1		CASING	LINER TUBIN
							Hole	12 1/4" 7 7/8"	1
		144					Pipe	8 5/8 4 1/2	2 2 3/8" 4.7#
							Weight TOC	surface 1580 TS	
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							Cmt	200 1100	
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							TAN-Y/	ATES-7 RVRS ZON	E HISTORY
							Spud.	Initial Completion	,
							Perforated	3833-39 3842-48 3930-40 3940-51	
							Treatment:	acid frac	
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FORM	TOP		Jalmat #1					
				RENT WEL			M	
			Mei	rose Oper	rating Co	mpany		
			Sec-T-R 14-225-3	35E	API #:	30-025	-	862
1				TAN-YATE				
				N MEXICO				
H								
			STATUS: P&A		ACRE	AGE	40.12	<u> </u>
ł			LATEST RIG WORK					
			DIAGRAM REVISED:	: ####	#			
					LOG EL	EVATION	I: N/R	
			Date Drilled: 1-26-1958		GROUN	D ELEVA	TION: '	3598 DF
			Completion: 2-25-1958	li se				
1					CASING			TUBING
			Plugged & abandoned:10-6-75:	Hole	12 1/4"	7 7/8	_	ļ
1				Pipe		5 V2"	 	{·····
k			Set CIBP @ 3800', capped w/5 sx cmt to 3765'	Weigl		+	 	•
ł			Set cement retainer @ 3534' & squeezed csg below	TOC		cal surf.	Į	ļ
			retainer w/100 sx Cl H cmt.	Threa			 	
			Spotted 4 sx cmt plug on top retainer	Depth	387			
ł			to 3500'.	Cmt	300	1000	<u>I</u>	1
			Set ret. @ 3446' & sqzd cs. @ 3500' w/50 sx Cl H.					
			Dumped 5 sx Cl H on top			LOGS		T
ł			of ret. to 3411'. Spotted 15 sx Cl H from 2050-1950'.			T	T	1
l			Spotted 16 sx		 	1	<u> </u>	t
			CI H cement from 100'-surf.			1	1	1
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H								
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		ENERGIA DE LE DESTRUCT		IN WORLD IN ANY CALL IN ANY INCOME.				
				Spud. erforated	Initial Con 3840-40			
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				reatment:	acid	frac		
			IP:	: Oil	Water	Gas		
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			= 3840-4008*					
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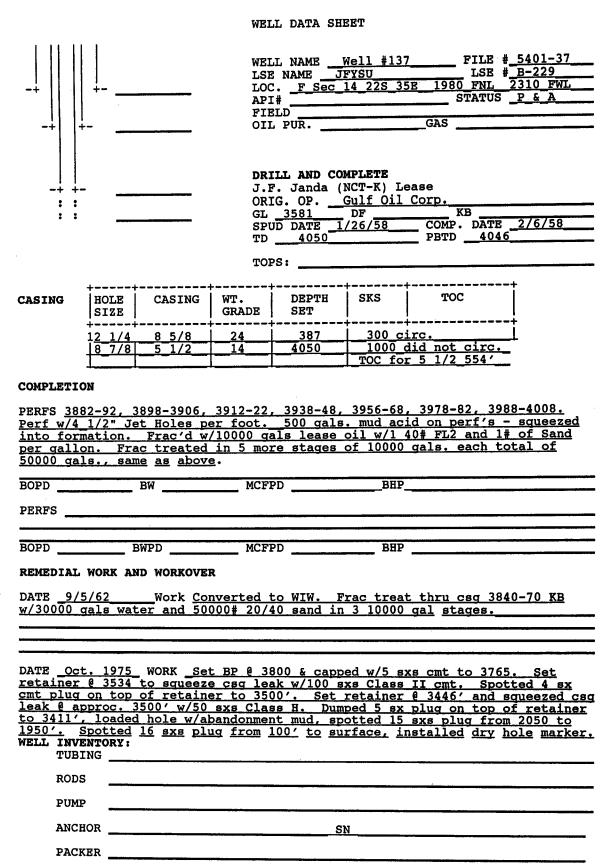
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AUL OF COPIES RECEIVED		. (Form C-103							
DISTRIBUTION		ς,	Supersedes Old							
SANTA FE	NEW MEXICO OIL CONS	ERVATION COMMERION	C-102 and C-103							
FILE	NEW WENICO OIL CONS	ERVATION COMMISSION	Effective 1-1-85							
			5a. Indicate Type of Lease							
U.S.G.S.			State X Fee							
LAND OFFICE			5. State Oil & Gas Lease No.							
OPERATOR										
			B-229							
CON NOT USE THIS FORM FOR PRO	Y NOTICES AND REPORTS ON POSALS TO DRILL OR TO DEEPEN OR PLUG BUILD OR TO DEEPEN OR PLUG BUILD FOR SUC	WELLS ACK TO A DIFFERENT RESERVOIR. H PROPOSALS.)								
1.	643									
OIL GAS WELL	Water Inject	tion Well J	almat Field Yates Sand Uni							
2, Name of Operator			8. Farm or Lease Name							
Gulf Oil Corporation										
3. Address of Operator		······	9. Well No.							
Box 670, Hobbs, New M	lexico 88240		137							
4. Location of Well			10. Field and Pool, or Wildcat							
UNIT LETTER F	1980 FEET FROM THE North	LINE AND 2310 FEET P	Jalmat							
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we West	14 TOWNSHIP 22-S	35-E	.en. (()))))))))))))))))))))))))))))))))))							
THE LINE; SECTIO		RANGE HA								
	15. Elevation (Show whether i	DF, RT, GR, etc.)	12. County							
		3581' GL	Lea Allili							
16. Charle	Appendices Roy To Indicate N									
	Appropriate Box To Indicate N	-								
NOTICE OF IN	TENTION TO:	SUBSEQUE	ENT REPORT OF:							
PERFORM REMEDIAL WORK	PLUS AND ABANDON	REMEDIAL WORK	ALTERING CASING							
		COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT							
TEMPORARILY ABANDON	·······	CASING TEST AND CEMENT JOB	PLOW AND ABANDONMENT							
PULL OR ALTER CASING	CHANGE PLANS									
		OTHER								
OTHER	L L I	Plugged and shand	onod							
10 Describe Description Completed On		Plugged and aband	line antipated data of stanting and stand							

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 1 103.

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	te to the best of my knowledge and belief.	
SIGNED_DJ. Berlin	TITLE Area Engineer	DATE October 6, 1975
	The second s	
LAPPROVED BY MWW Numyon	ŢITLE	DATE



_____ ID# ____

____ METER #

_____ID#____

PUMPING UNIT

MOTOR _

REMARKS :

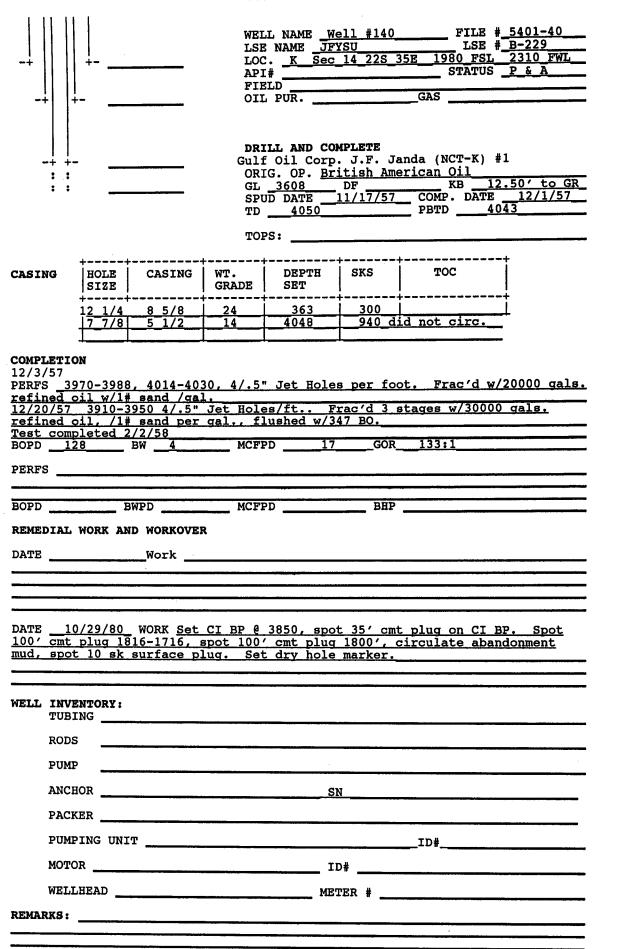
WELLHEAD

FORM TOP		Jalmat #138: 2030 FNL & 990 FWL
		CURRENT WELLBORE DIAGRAM
		Melrose Operating Company
		Sec-T-R 14-22S-35E API #: 30-025- 8627
		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: #####
		LOG ELEVATION: N/R
	Date Drilled: 3-22-1958	
	Completion: 5-21-1958	
		CASING LINER TUBING
		Hole 12 1/4" 7 7/8" Pipe 8 5/8 5 1/2 2 3/8"
		Weight 4.7#
		TOC surface cal surf.
		Thread
		Depth 428 4,075 Cmt 325 1005
		LOGS
		·····
		TAN-YATES-7 RVRS ZONE HISTORY
		Spud. Initial Completion Perforated 3857-71 3878-85 3890-3932
		3947-71 3979-84 3987-98 4001-04
		4022-48
		Treatment: acid frac
		IP: Oil Water Gas
		Comments
	SELECT PERFS:	
	3857-4048	
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	casing set	
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TD' 407		Current

FORM	TOP	it in				l	l .			. 4000]	
							Jaimat #140: 1980 FSL & 2310 FWL CURRENT WELLBORE DIAGRAM								
		No.					ļ						M		
	調調										ting Co				
					には	1	Sec-T-R		2S-35E		API #:			8624	
	上 頭						POOL:				-7 RVRS				
							CO, ST:		IEW M	EXICO	LAND				
							STATUS:				ACRE/	AGE	40.12		
					800		LATEST R								
							DIAGRAM	REVIS	ED:	#####					
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						Data Dallada 44 47 4057					LOG EL	EVATION D ELEVA	: N/R	3608 DF	
						Date Drilled: 11-17-1957 Completion: 2-2-1958					GROUN	JELEVA	TION:	3000 DF	
						Compieuon. 2-2-1900				1	CASING		LINER	TUBING	
						Plugged & abandoned:				Hole	12 1/4"	the second s			
				and the second se		10/29/1980				Pipe	8 5/8			2 3/8"	
				1714.02		Set CIBP @ 3850 w/35' of	ant on top.			Weight				4.7#	
				2		Spotted 100' cmt plug 18				тос	surface	715 TS			
						Spotted 10 sx surface plu	g .			Thread Depth	363	4,048			
1					10.20					Cmt	300			11	
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									Treatm		acid	6			
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* DISTRIBUTION	ONSERVATION DIVISION P. O. BOX 2088	Form C-103 Revised 10-1
BANTA FE SANT	TA FE, NEW MEXICO 87501	Sa. Indicate Type of Leuse
U.S.G.S.		State XX Fee
OPERATOR		5. State Oil & Gas Lease No. B=229
SUNDRY NOTICES AND F (DO NOT USE THIS FORM FOR PREDALS TO PRILL OR FO USE "APPLICATION FOR PERMIT -" FOR	REPORTS ON WELLS DEEPEN OR PLUG BACA TO A DIFFERENT RESERVOIR. IM C-101) FOR SUCH PROPOSALS.)	
DIL X GAB OTHER-		7. Unit Agreement Name Jalmat Field Yates Sand Unit
Name of Operator Gulf Oil Corporation		8, Farm or Lease Nome
Address of Operator P. O. Box 670, Hobbs, NM 88240		9. Well No. 140
Location of Well		10. Field and Pool, or Wildcat
	THE South LINE AND 2310 PEET	
THE West LINE, SECTION 14 TON		имры.
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	on (Show whether DF, RT, GR, etc.) 3608' GL	12. County Lea
Check Appropriate Box T NOTICE OF INTENTION TO:	Fo Indicate Nature of Notice, Report o SUBSEO	or Other Data UENT REPORT OF:
ERFORM REMEDIAL WORK PLUG A	ND ABANDON	ALTERING CASING
77	COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
Отнея	OTHER	
. Describe Proposed or Completed Operations (Clearly state		luding estimated date of station and propo
work) SEE RULE 1103.	an pertinent details, and give pertinent dates, incl	
Work) see NOLE 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
Work) see NOLE 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
Work) see Role 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
work) see NULE 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
work) see NULE 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
work) see NULE 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
Work) see Role 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
work) see Role 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
work) see NULE 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al	plug on CIBP. Spot 100' bandonment mud. spot 10
work) see Role 1103. POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark P&A Complete 10-29-80.	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al ter, cut off anchors. Filled p	plug on CIBP. Spot 100' bandonment mud, spot 10 it, cleaned location.
POH with production equipment. Set C cement plug 1816'-1716'. Spot 100' c sack surface plug. Set dry hole mark P&A Complete 10-29-80.	CIBP at 3850'. Spot 35' cement cement plug 1800'. Circulate al ter, cut off anchors. Filled p	plug on CIBP. Spot 100' bandonment mud. spot 10

WELL DATA SHEET



X Ł reeds

FORM TOP	er an	J.	almat #158:	1310	FSL	& 263	0 FEL	
			CURRENT					
			Melrose					
		SU-T-R	-22S-36E		API #:		-	32582
		POOL:	JALMAT; TAN-					
		CO, ST:	LEA, NEW ME	XICO	LAND	TYPE:	STATE	
		STATUS:			ACRE		40.12	
		LATEST R	IG WORKOVER					
		DIAGRAM		######		<u></u>		
					LOG ELI	EVATION	: N/R	
	Date Drilled: 7-11-1994 Completion: 9-29-1994				GROUNI	DELEVA	TION:	
	Competion: 9-29-1994		ſ	r	CASING			TUBING
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							Melros	e Opera	ting Co	mpany		
				開設		Sec-T-R	11-22S-35E		API #:			33156
						POOL:	JALMAT;TAN	-YATES	-7 RVR	S (PRO	GAS)	
						CO, ST:	LEA, NEW M	IEXICO	LAND	TYPE:	STATE	
						STATUS:	Producer		ACRE	AGE	40.12	
						LATEST R	IG WORKOV	ER:				
						DIAGRAM	REVISED:	#####				
									LOG EL	EVATION	: N/R	
					Date Drilled: 3-10-1996				GROUN	D ELEVA	TION: 1	
					Completion: 5-9-1996			r	CASING	<u></u>		TUBING
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			新建			Melrose O	perat	ting Cor	npany		
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					CO, ST:	LEA, NEW MEXI					
					STATUS:			ACRE		40.12	
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1 I							####				
				Date Drilled: 5-31-1996				LOG ELE	VATION	: N/R	
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							CURREN	T WELLI	BORE D	IAGRA	M	
							Melros	e Operat	ting Co	mpany		
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					Date Drilled: 6-7-1996				GROUN	DELEVA	TION: '	
					Completion: 7-27-1996							
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LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Date Drilled: 3-21-2001 Completion: 4-19-2001	
CURRENT WELLBORE DIAGRAM. Metrose Operating Company Sec.T.R. 11-225-35E Sec.T.R. 11-225-35E POOL: JALMAT; TAN-YATES-7 RVRS (PRO G. CO, ST: LEA, NEW MEXICO LIAND TYPE: S STATUS: Producer ACREAGE 44 LAND TYPE: S STATUS: Producer DIAGRAM REVISED: ##### Date Drilled: 3-21-2001 Completion: 4-19-2001 CASING These data and the second s	FWL
Metrose Operating Company Sec-T-R I-228-35E IAPI #: 30-025- POOL: JALMAT;TAN-YATES-7 RVRS (PRO G, Oo, ST: LAND TYPE: S STATUS: Producer IACREAGE LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Date Driled: 3-21-2001 Completion: 4-19-2001 ICCC ELEVATION: N GROUND ELEVATION	
Sec-T-R 11-223-35E API #: 30-025- POOL: JALMAT,TAN-YATES-7 RVRS (PRO C, CO, ST: LANEW MEXICO: LANE TYPE: S STATUS: Producer ACREAGE 4(LATEST RIG WORKOVER: Date Dilici: 321-2001 LOG ELEVATION: N GROUND ELEVATION: N GRO	
POOL: JALMAT,TAN-YATES-7 RVRS (PRO CG, ST: LEA, NEW MEXICO LAND TYPE: S STATUS: Producer ACREAGE 44 LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Date Drilled: 3-21-2001 LOG ELEVATION: N Completion: 4-19-2001 Cost GROUND ELEVATION: N Hole 12.14# 1776* Riggin as 0.98 512 Wreigh: 3-00 as 7.25 as Cost Cost Cont Cost Cost	35427
CO, ST: LEA, NEW MEXICO LAND TYPE: S STATUS: Producer ACREAGE 44 LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Date Drilled: 3-21-2001 CREATE Completion: 4-19-2001 CREATE Image: Completion: Completion: CREATE Image: Completion: Completion: CREATE Image: Completion: CREATE CREATE Image: Completion: CREATE CREATE Image: Completion: CREATE CREATE Image: Completion: CREATE<	
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Diagram ReviseD: ##### Date Drilled: 3-21-2001 LOG ELEVATION: N GROUND ELEVATION: N GROUND ELEVATION: N Hole: 12 U* Page: 8 550 State Drilled: 3-21-2001 Weight 20 U* Weight 20 U* Page: 8 550 State Drilled: 3-12 Weight 423' 4 200 200 Cord: 300 ax 725 ax Date Drilled: 100 Cord: 300 ax 725 ax Dott 100 Cord: 382-4105' Treatment: acid BBL BBL Water BBL BBL Gas	U. 12
Date Drilled: 3-21-2001 LCG ELEVATION: N Completion: 4-19-2001 CASINO Hole 12 U/4" 7 7/6" Pipe 8.50 5 12 Weight TOC auface 10C strate 12 U/4" Pipe 8.50 5 12 Weight TOC auface Thread 223" 4.200 Crint 300 sx 725 sx Dott Or 0 OR DLI 0 DLI DI 0 Spud initial Completion Perforated 3882-4106" Treatment: acid BBL BBL Water BBL BBL Oas	·····
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				casing set 5 1/2 4,190			Q	UEEN ZC	ne hist	ORY	

FORM TOP Jalmat #183: CURRENT WELLBORE DIA Melrose Operating Corr Sec-T-R 14-22S-35E API #: 3 POOL: JALMAT; TAN-YATES-7 RVRS CO, ST: LEA, NEW MEXICO CO, ST: LEA, NEW MEXICO LAND T STATUS: Producer ACREA LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Date Drilled: 5-20-2003 Completion: Completion: 6-24-2003 CASING	npany 30-025- 6 (PRO (TYPE: 5	GAS)	3615
Melrose Operating Com Sec-T-R 14-22S-35E API #: 3 POOL: JALMAT;TAN-YATES-7 RVRS CO, ST: LEA, NEW MEXICO LAND T STATUS: Producer ACREA LATEST RIG WORKOVER: DIAGRAM REVISED: ###### Date Drilled: 5-20-2003 CASING Hole 12 U4* T	npany 30-025- 6 (PRO (TYPE: 5	- GAS) STATE	
Melrose Operating Com Sec-T-R 14-22S-35E API #: 3 POOL: JALMAT;TAN-YATES-7 RVRS CO, ST: LEA, NEW MEXICO LAND T STATUS: Producer ACREA LATEST RIG WORKOVER: DIAGRAM REVISED: ###### Date Drilled: 5-20-2003 CASING Hole 12 U4" T	npany 30-025- 6 (PRO (TYPE: 5	- GAS) STATE	
Sec-T-R 14-22S-35E API #: 3 POOL: JALMAT;TAN-YATES-7 RVRS CO, ST: LEA, NEW MEXICO LAND T STATUS: Producer ACREA LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Date Drilled: 5-20-2003 CASING Hole 12 //4" T	30-025- (PRO C TYPE:	GAS) STATE	
POOL: JALMAT;TAN-YATES-7 RVRS CO, ST: LEA, NEW MEXICO STATUS: Producer ACREAU LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Log ELE GROUND Completion: 6-24-2003	(PRO (TYPE:	GAS) STATE	
CO, ST: LEA, NEW MEXICO LAND T STATUS: Producer ACREAU LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Date Drilled: 5-20-2003 Completion: 6-24-2003	TYPE:	STATE	
STATUS: Producer ACREA LATEST RIG WORKOVER: DIAGRAM REVISED: Diade Drilled: 5-20-2003 GROUND Completion: 6-24-2003 CASING Hole 12 //4"			
LATEST RIG WORKOVER: DIAGRAM REVISED: ##### Date Drilled: 5-20-2003 Completion: 6-24-2003		4U. IZ	
DIAGRAM REVISED: ##### LOG ELE GROUND Completion: 6-24-2003 CASING Hole 12 /4" 7			
Date Drilled: 5-20-2003 Completion: 6-24-2003 Hole 12 //4"			·
Date Drilled: 5-20-2003 Completion: 6-24-2003 CASING Hole 12 //4" 7			
Date Drilled: 5-20-2003 Completion: 6-24-2003 CASING Hole 12 //4" 7			
Completion: 6-24-2003	VATION:		
CASING Hole 12 1/4" 7		ion.	
Hole 12 //4" 7		LINER	TURING
Pipe 8 5/8	5 1/2		2 3/8"
Weight			4.7#
	cal surf		
Thread Depth 402	- 4 4 001		38
Depth 402 Crmt 300	4,160 700		
			h
	LOGS	1	[
	T		
LDT CNL GR			
			ļ
		HISTOP	<u> YY</u>
Spud. Initial Comp			
TAN-YATES-7 RVF Spud. Initial Comp Perforated 3862-3980	JU .		
Treatment: acid f	frac		
IP: Amount Unit			
Oil BPD			
Water			
BBL			
Gas			
MCFD SELECT PERFS:			
3862-3980		<u></u>	
	RTUNITY		
	NE HISTO	ORY	
QUEEN ZOM			
casing set			

FORM TOP		u			
		Ja	almat #190:1310	FNL & 1650	0 FWL
			CURRENT WELLI		M
			Melrose Opera		
		Sec-T-R		API #: 30-025	
		POOL:	JALMAT; TAN-YATES		
		CO, ST:	LEA, NEW MEXICO		
		STATUS:		ACREAGE	40.12
			IG WORKOVER:		
		DIAGRAM	REVISED: #####		
				LOG ELEVATION GROUND ELEVA	
	Date Drilled: 12-13-2003				
	Completion: 2-1-2004			CASING	LINER TUBING
			Hole	12 1/4" 7 7/8"	I
			Pipe	8 5/8 5 1/2	
			Weight TOC	surface cal surf	4.7#
			Thread		
			Depth	361 4,200 400 725	
			Cmt	400 725	
				LOGS	
				LDT	
				CNL GR	
				DLL	
				 	<u> </u>
				ц <u></u>	<u> </u>
				TES-7 RVRS ZON	E HISTORY
			Spud. Perforated	Initial Completion 3846-4046	
			r a lotateo	JU-10-1040	
			Treatment:	acid frac	
			IP: Amount	Unit	
			Oil	BPD	
				OF 17	
			Water		
				BBL	
			Gas		
				MCFD	
	SELECT PERFS:				
	2946 4045				
	3846-4046			OPPORTUNITY	
	\diamond				
				UEEN ZONE HIST	ORY
	casing set				
	5 1/2				
	4,200				
TD' 4200'	LC	urrent	l		

FORM TOP					Jalmat #19	1.10	INI 2	1650	FWI	
				·	CURRENT					
		清 朝				e Opera				
				Sec-T-R	14 -22S-36E					36484
					14 -225-30E JALMAT; TAN					30484
				POOL:	LEA, NEW M					
				CO, ST:		EXICO	ACRE/			
				STATUS:	Producer IG WORKOVE	D.	ACKEA	AGE	40.12	
					REVISED:	:K: #####	· · · · · · · · · · · · · · · · · · ·			
					REVISEU.	*****	•			
							LOG ELI		- N/D	
			Date Drilled: 12-3-2003				GROUN	DELEVA	TION: '	
			Completion: 2-6-2004				K			
							CASING		LINER	TUBING
						Hole	12 V4"	7 7/8"		1
						Pipe	8 5/8	5 1/2		2 3/8"
						Weight TOC		cal surf		4.7#
						Thread	541000			<u>†</u> ∦
						Depth	445			3840
						Cmt	400			
							(LOGS	<u></u>	
							LDT		[
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							GR			1
							DLL			
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		CO MARK								
							TES-7 RV		E HISTO	RY
							Initial Com			
			1		Perfora	ileQ	3856-40	00		
			1							t
			1					e -		
					Treatm	ent:	acid	frac		
					IP:	Amount	Unit			
		B			I	Oil				
							BPD			
						161-1				1
			1			Water	BBL			
							DDL.			
						Gas				
		ň					MCFD			
			SELECT PERFS:							
			3856-4056							
			1				OPPO	RTUNITY		
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						9	UEEN ZO	NE HIST	ORY	
			casing set 5 1/2							
		ile a	5 1/2 4,200							
	TD' 4	200'		urrent	ł					
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					CURR	RENT WELL	BORE D	AGRA	M	
				1	Me	rose Opera	ting Co	mpany		
				Sec-T-R	11-225-	the second s	API #:			36430
				POOL:		TAN-YATES				
				CO, ST:		N MEXICO				=
				STATUS:			ACRE		40.12	
				LATEST R						
				DIAGRAM			1			
				19-14-14-14-14-14-14-14-14-14-14-14-14-14-						
							LOG EL	EVATION	: N/R	
			rilled: 10-10-2003				GROUN	D ELEVA	TION: '	
		Comple	tion: 11-6-2003							
						<u> </u>	CASING			TUBING
						Hole Pipe	12 V4" 8 5/8			2 3/8"
						Weight	1 0 3/0	5 1/2	 	4.7#
						TOC	surface	cal surf		
						Thread				
						Depth	395			3830
						Cmt	375	400		
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					╞━		TES-7 RV		E HISTO	RY
					P	Spud. erforated	Initial Con 3858-40			
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					-		anid	6		
						eatment:	acid	frac		
		3.9 (8)			IP	: Amount	Unit			
						Oil				
							BPD			
						Water				
						T Value 1	BBL			
					1					
						Gas				
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FORM	TOP		1 8 1	18 FB		1						
FURM						J	almat #193					-
							CURRENT				M	
							Meirose	e Opera				
				語語		Sec-T-R	11-22S-35E		API #:			36498
		西亞				POOL:	JALMAT; TAN					
						CO, ST:	LEA, NEW ME	EXICO				Ξ
						STATUS:			ACRE	AGE	40.12	
				離談			IG WORKOVE					
						DIAGRAM	REVISED:	#####				
ł					Date Drilled: 2-6-2004				LOG EL	DELEVA	TION:	
		橋			Completion: 4-19-2004				8			
									CASING		LINER	TUBING
		1994						Hole		7 7/8"		
1								Pipe Weight	8 5/8	5 1/2		2 7/8" 4.7 #
								TOC	surface	cal surf	<u> </u>	
								Thread				
								Depth	450			3900
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8									TES-7 RV	RS ZON	E HISTO	RY
							Sp	ud.	Initial Con			
ł	1						Perfora	ted	3992-40	12		
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							Treatm	ent:	acid 0	frac 0		
							IP:	Amount		-		
								Oil				
								26	BPD			
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								177	' BBL			
								0				
					1			Gas 6	MCFD			
					SELECT PERFS:			C.				
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					casing set 5 1/2							
					4,196							
			TD' 41	96		urrent	I				<u></u>	

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FORM TOP	T	1
		Jalmat #194: 2630 FNL & 2630 FEL
		CURRENT WELLBORE DIAGRAM
		Melrose Operating Company
		Sec-T-R 14 -22S-35E API #: 30-025- 3649
		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
	Date Drilled: 12-21-2003	GROUND ELEVATION: '
	Completion: 2-4-2004	
		CASING LINER TUBING
		Hole 12 1/4" 7 7/8" Pipe 8 5/8 5 1/2 2 7/8"
		Pipe 8 5/8 5 1/2 2 7/8" Weight 4.7#
		TOC surface cal surf
		Thread
		Depth 450 4,204 37
		Crmt 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
	SELECT PERFS:	MCFD
	3844-4060	
		OPPORTUNITY
	\diamond	
		QUEEN ZONE HISTORY
	casing set	
	5 1/2	
	4,204	
TD' 4204'		urrent

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