

ABOVE THIS LINE FOR DIVISION USE ONLY

LOGGED IN

TYPE UFX

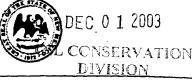
APPEND RO33364948

RECEIVED

NEW MEXICO OIL CONSERVATION DIVISION

ENGINEER DKC

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



## **ADMINISTRATIVE APPLICATION COVERSHEET**

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

### **Application Acronyms:**

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

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

[A] Location - Spacing Unit - Simultaneous Dedication

798

Check One Only for [B] or [C]

- [B] Commingling Storage Measurement
- [C] Injection Disposal Pressure Increase Enhanced Oil Recovery ↓ WFX □ PMX □ SWD □ IPI □ EOR □ PPR

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

- [A] Uvrking, Royalty or Overriding Royalty Interest Owners
- [B] X Offset Operators, Leaseholders or Surface Owner
- [D] Dotification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

### [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have reviewed the 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 (including API numbers, pool codes, etc.), pertinent information

and any required notification is cause to have the application package returned with no action taken.

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

Ann E. Ritchie	Mul Puthes	Regulatory Agent	1	11/12/03
Print or Type Name	Signature	Title		Date
		WTOR1948@aol.co	m 👎	<b>*</b> *

#### Ì STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL **RESOURCES DEPARTMENT**

Ļ

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

	APPLICATION FOR AUTHORIZATION TO INJECT
I.	PURPOSE:      Pressure Maintenance      Disposal      Storage         Application qualifies for administrative approval?       X       Yes      No
II.	OPERATOR: Melrose Operating Co.
	ADDRESS: PO Box 953 Midland, TX 79702
	CONTACT PARTY: Ann E. Ritchie (432) 684-6381 PHONE:
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 YesNo If yes, give the Division order number authorizing the project:No 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:
*5.7777	<ol> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).</li> </ol>
•v111.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: Ann E. Ritchie
	SIGNATURE:
*	If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

#### III. WELL DATA

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

. 4

- (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

**N** - 1

ł

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.

### Application for Authorization to Inject C-108 New Mexico Oil Conservation Division Melrose Operating Company

Re: Jalmat Field Yates Sand Unit Well # 109, 1980 FNL & 2310 FEL, 30-025-08594 Section 11, T22S, R35E Lea County, New Mexico Jalmat Field Yates Sand Unit Well # 113, 1980 FSL & 2310 FWL, 30 025-08589 Section 11, T22S, R35E, Lea County, New Mexico

- I. Melrose Operating plans to convert the above referenced two wells to injection wells in the Jalmat Field Yates Sand pool.
- II. Operator: Melrose Operating Co., PO Box 953, Midland, TX 79702 Contact: Ann E. Ritchie (432) 684-6381

III. Well Data:

A.

- 1. Jalmat Field Yates Sand Unit Well # 109, 1980 FNL & 2310 FEL, Section 11, T22S, R35E Lea County, New Mexico
- 2. 12 <sup>1</sup>/<sub>4</sub>" hole w/ 8 5/8" csg set @ 335' w/ 200 sxs cmt, circulated to surface

7 7/8" hole w/ 5  $\frac{1}{2}$ " csg set @ 4029' w/ 303 sxs cmt, TOC @ 910' determined by temperature survey

- 3 Tubing 2 3/8" @ 3800'
- 4. Packer Baker AD-1 tension packer @ 3800'
- 1. Jalmat Field Yates Sand Unit Well # 113, 1980 FSL & 2310 FWL, Section 11, T22S, R35E Lea County, New Mexico
- 12 ¼" hole w/ 8 5/8" csg set @ 335' w/200 sxs cmt, circulated to surface
   7 7/8" hole w/ 5 ½" csg set @ 4102' w/350 sxs cmt, TOC @ 1840
- determined by temperature survey
- 3. Tubing 2 3/8" @ 3750'
- 4. Packer Baker AD-1 Tension packer @ 3750'
- Β.
- 1. The injection formation for the # 109 & # 113 is the Tansill, Yates, Seven Rivers
- Injection interval will be through the following perforations: Jalmat Field Yates Sand Unit Well # 109 - Perforations: 3876-3972' Jalmat Field Yates Sand Unit Well # 113 - Perforations: 3893-4018'

×

\*

- 3. Both the # 109 & #113 were drilled as producing oil wells in The Jalmat Field Yates Sand pool.
- 4. Initial perforations same as above
- 5. Next shallow oil or gas zone: Queen @ approx 1650' Next deeper oil or gas zone: Abo @ approx 6200'
- IV. This is an expansion of the existing Jalmat Field Yates Sand Unit Waterflood Project in Lea County, New Mexico, approved by Division Order No. R-2243, April 25, 1962, additional Order WFX 633, May 14, 1992. Copies of Orders are attached.
- V. Please see attached map indicating Area of Review
- VI. Please see attached tabulation of all wells within the ½ mile radius Area Of Review. Also attached are the schematics of four identified plugged wells.

VII.

ł

1. The proposed average daily rate of injection for well # 109 & 113 is 500 BWPD

The proposed maximum daily rate of injection is 1000 BWPD per well

- 2. This is a closed system
- 3. The proposed average injection pressure for well # 109 & 113 is 1500# The maximum injection pressure is 775# per well
- 4. Sources of injection water will be from the Penrose/Queen/Grayburg/San Andres
- 5. Chlorides are listed on the attached Water analysis
- VIII.

Geologic data has been previously submitted for Division Order No. R-2243, May 27, 1962 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 Reference the two attached water analysis. The fresh water is estimated to be @ 350-400'\_according to New Mexico Oil Conservation Division recommendations for this area & by landowner.
- XII. To the best of current knowledge of the area there is no evidence of open faults or other hydrologic connection between the injection zone and any underground sources of drinking water.

### Melrose Operating Co Jalmat Field Yates Sand Unit Application for Authorization to Inject

XIII. Please find attached the Affidavit of Publication from the Hobbs New-Sun. Melrose Operating Co. & Tempo Energy are the only two operators within ½ mile of Well # 109 & # 113, notification is required - including the listed surface owner:

Tempo Energy PO Box 9515 Midland, TX 79702

Surface Owner:

1

ä

Mr. John Pearson Merchant Livestock Co. PO Box 1166 Carlsbad, NM 88221

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.

A copy of the 3 page initial application and plat has been sent to the above listed parties on this the 12 day of November, 2003. Reference attached proof of certified letters.

XIV. Certification: See attached NMOCD Form C-108

### BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

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

> CASE No. 2546 Order No. R-2243

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

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

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

NOW, on this <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 Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

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

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

(3) That the applicant, The British American 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

1

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

SEAL

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

esr/



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 





BRUCE KING GOVERNOR

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

### ADMINISTRATIVE ORDER NO. WFX-633

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

### ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

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

### THE DIVISION DIRECTOR FINDS THAT:

(1) The application has been filed in due form.

(2) Satisfactory information has been provided that all offset operators have been duly notified of the application.

(3) No objection has been received within the waiting period as prescribed by Rule 701(B).

(4) The proposed injection well is eligible for conversion to injection under the terms of Rule 701.

(5) The proposed expansion of the above referenced Jalmat Field - Yates Sand Unit Waterflood Project will not cause waste nor impair correlative rights.

(6) The application should be approved.









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

### **IT IS THEREFORE ORDERED THAT:**

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

### **IT IS FURTHER ORDERED THAT:**

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

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

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

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

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

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

The operator shall immediately notify the supervisor of the Hobbs district office of the Division of the failure of the tubing, casing or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage. Administrative Order WFX-633 Smith & Marrs, Inc. May 27, 1992 Page 3

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

<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.

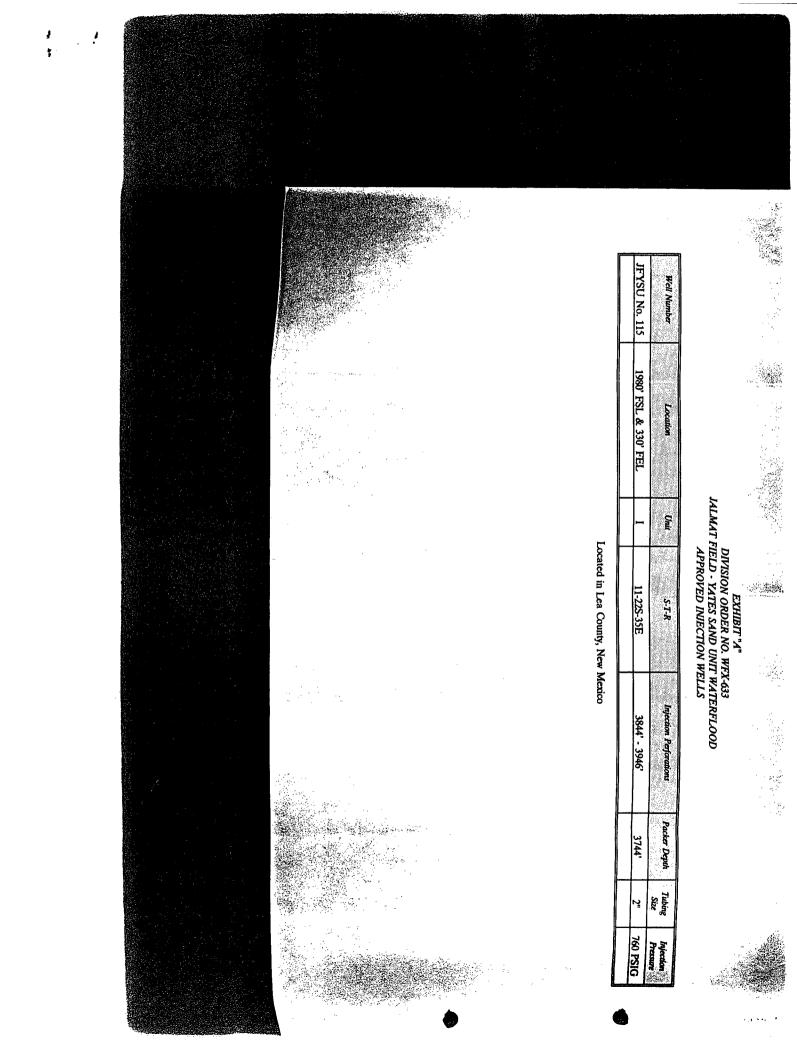
DONE at Santa Fe, New Mexico, on this 27th day of May, 1992.

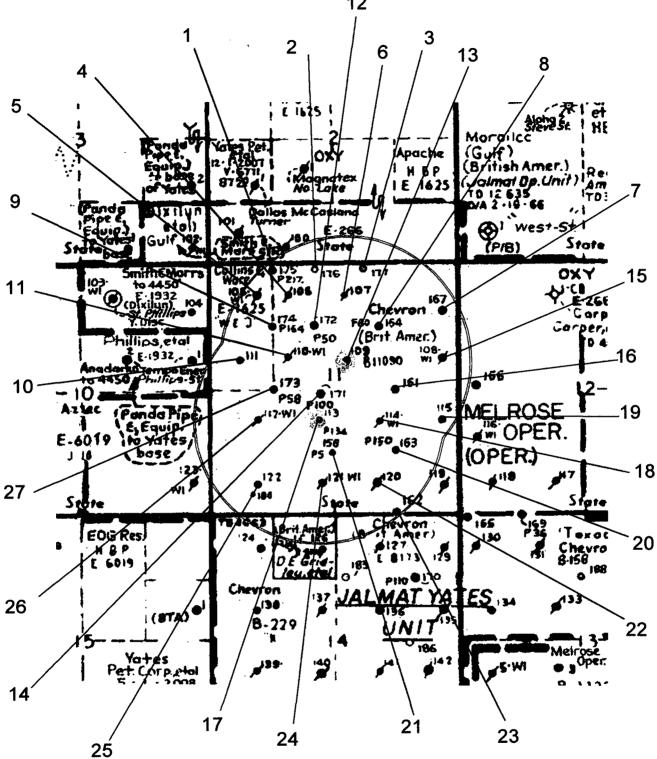
STATE OF NEW MEXICO **OIL CONSERVATION DIVISION** WILLIAM J. LEN Director

SEAL

jc/

cc: Oil Conservation Division - Hobbs





MELROSE OPERATING CO. C-108 Injection Application Wells number 109 and 113 - Jalmat Yates Sand Unit, Lea County, New Mexico 1/2 Mile Radius Area of Well Review

12

ŧ

ŕ

	Looso Name & Loostion		Statuc	Spud date	Comp data	тр	Aband	Cen Sizo		Dooth	Sve/cmt	тос	1
	Lease Name & Location	vveii #	Status	Spud date	Comp date	_TD	Aband	Csg Size	Hole Size	Depth	Sxs/cmt		
		476	01	4/44/0004	E140/0004	4000		0.5/0	40.414	170	075		
1	Jalmat Field Yates Sand Unit	175		4/11/2001	5/19/2001	4200		8 5/8	12 1/4	470		surface	
	118 FNL & 1310 FWL							5 1/2	7 7/8	4200	800	surface	
	30-025-35463	470	01	4/05/0000	5/10/0000	4450	<u> </u>	0.50		400			
2	Jalmat Field Yates Sand Unit	176	UIL	4/25/2003	5/19/2003	4150	<b> </b> -	8 5/8	12 1/4	408		surface	
	118 FNL & 2200 FWL	<u> </u>						5 1/2	7 7/8	4150	/50	surface	
	30-025-36146								<u> </u>				
3	Jalmat Field Yates Sand Unit	177	OIL	9/23/2003	10/6/2003	4163		8 5/8	12 1/4	402		surface	
	118 FNL & 1980 FEL				-			5 1/2	7 7/8	4160	700	surface	1
	30-025-36151						ļ						
_ 4	Jalmat Field Yates Sand Unit	106	Oil	6/4/1958	6/24/1958	4404		8 5/8	12 1/4	336		surface	
	660 FNL & 1650 FWL	<b>_</b>						5 1/2	7 7/8	4039	263	1490' TS	
	30-025-08595			L				L ·	L				1
5	Jalmat Field Yates Sand Unit	105	P&A	2/1/1959	3/3/1959	4025	5/25/2000	8 5/8		336	250	surface	V
	660 FNL & 990 FWL	<u> </u>					<u> </u>	5 1/2	7 7/8	4024	401	2995' TS	
	30-025-08583	1							L				
6	Jalmat Field Yates Sand Unit	107	P&A	6/26/1958	7/10/1958	4010	6/18/1974	8 5/8	12 1/4	335	200	surface	11
	660 FNL & 2310 FEL							5 1/2	7 7/8	4009	350	650' TS	
	30-025-08596												
7	Jalmat Field Yates Sand Unit	167	OIL	7/30/1997	10/23/1997	4000		8 5/8	12 1/4	407	325	surface	1
	990 FNL & 330 FEL							5 1/2	7 7/8	3999	800	surface	l
	30-025-33679												
8	Jalmat Field Yates Sand Unit	164	OIL	6/7/1996	7/27/1996	4079		8 5/8	12 1/4	421	375	surface	1
	1310 FNL & 1650 FEL							5 1/2	7 7/8	4078	600	surface	
	30-025-33457												
g	Jalmat Field Yates Sand Unit	174	OIL	3/31/2001	5/11/2001	4220		8 5/8	12 1/4	467	275	surface	
	1310 FNL & 1330 FWL							5 1/2	7 7/8	4210	800	surface	
	30-025-35430						1						
10	Jalmat Field Yates Sand Unit	111	OIL	6/14/1958	7/28/1958	4080		5 1/2	7 7/8	1946	500	699' TS	
	1980 FNL & 660 FWL						1	3 1/2 line	4 3/4	4079	225	1902 t/liner	
	30-025-08582												
11	Jalmat Field Yates Sand Unit	110	Ini	5/2/1958	5/28/1958	4065		8 5/8	12 1/4	335	200	surface	
	1980 FNL & 1650 FWL		1					5 1/2		4064		790' TS	1
	30-025-08593			1	-					1			1
12	Jalmat Field Yates Sand Unit	172	OIL	2/7/2001	3/13/2001	4200		8 5/8	12 1/4	406	275	surface	
	1310 FNL & 2200 FWL	+=					1	5 1/2			t	surface	ľ
-	30-025-35308	<u> </u>						0.12				ou	
13	Jalmat Field Yates Sand Unit	109	OIL	5/21/1958	6/13/1958	4030	<u>-</u>	8 5/8	12 1/4	335	200	surface	
	1980 FNL & 2310 FEL	+	1 <u></u>		0			5 1/2	<u> </u>	t	l	910' TS	
	30-025-08594			t		<u> </u>	<u> </u>	1 0 1/ <u>2</u>	<u>                                     </u>				
14	Jalmat Field Yates Sand Unit	171	OIL	1/29/2001	2/27/2001	4180		8 5/8	12 1/4	406	250	surface	V
1-1	2630 FNL & 2500 FWL	<del>1 '' '</del>	<u> </u>	1.2012001	212172001	1 100		5 1/2	1	1	<u> </u>	surface	1
	30-025-35307	+	<u> </u>	<u> </u>			<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·	41/4	030		1
15	Jalmat Field Yates Sand Unit	108	Ini	4/4/1957	4/19/1957	4062		0 5/0	12 1/4	335	225	surface	レ
	1980 FNL & 330 FEL	100	1""		1001007	+002		8 5/8				1600' TS	
	30-025-08587	+		┢────			<u> </u>	5 1/2	· · · · · · · · · · · · · · · · · · ·	4041	032	1000 13	1
10		161	OIL	3/10/1996	4/27/1996	4070		0 5/0	40.4/4	400	200	ourfood	
10	Jalmat Field Yates Sand Unit	101		3/10/1996	4/2//1996	4076		8 5/8				surface	ł
	2630 FNL & 1310 FEL		<u>+</u>				<u> </u>	5 1/2	7 7/8	4075	550	surface	ł
4-	30-025-33156	+ + + + + + + + + + + + + + + + + + + +		2/4/4050	0/04/4050	44.00	1		40.44				1.
17	Jalmat Field Yates Sand Unit	$+^{113}$	OIL	3/4/1958	3/31/1958	4102		8 5/8				surface	Ĩ
	1980 FSL & 2310 FWL		<u> </u>	<u>↓</u>				5 1/2	7 7/8	4102	350	1840 TS	ł
_	30-025-08589	1	I	L	L	L	L	I	<u> </u>	L		L	]

									-				
18	Jalmat Field Yates Sand Unit	114	Inj	3/19/1958	4/28/1958	4076	T	8 5/8	12 1/4	335	225	surface	1 /
	1980 FSL & 1650 FEL							5 1/2	7 7/8	4076	350	1100 TS	
_	30-025-08590		<u> </u>	1			í t	t		· • •			1
19	Jalmat Field Yates Sand Unit	115	OIL	3/2/1957	3/24/1957	4034		8 5/8	12 1/4	334	225	surface	1.
	1980 FSL & 330 FEL							5 1/2	7 7/8	4033	1088	980' TS	1
	30-025-08586	<b></b>	<b>[</b>										1
20	Jalmat Field Yates Sand Unit	163	OIL	5/31/1996	7/3/1996	4032		8 5/8	12 1/4	420	325	surface	1./
	1310 FSL & 1310 FEL							5 1/2	7 7/8	4032	600	surface	1.
	30-025-33456												1
21	Jalmat Field Yates Sand Unit	158	OIL	7/11/1994	9/29/1994	4203		8 5/8	12 1/4	480	250	surface	
	1310 FSL & 2630 FEL				· · · · · · · · · · · · · · · · · · ·			5 1/2	7 7/8	4200	1035	surface	1
	30-025-32582												1
22	Jalmat Field Yates Sand Unit	120	P&A	3/20/1957	4/24/1957	4030	3/30/1973	8 5/8	12 1/4	335	225	surface	
	660 FSL & 1650 FEL							5 1/2	7 7/8	4030	795	1790' TS	1
	30-025-08585												1
23	Jalmat Field Yates Sand Unit	162	OIL	3/15/1996	5/8/1996	4078		8 5/8	12 1/4	410	325	surface	
_	10 FSL & 1310 FEL							5 1/2	7 7/8	4078	550	surface	]
_	30-025-33157												]
24	Jalmat Field Yates Sand Unit	121	Inj	2/15/1958	4/4/1958	4052		8 5/8	12 1/4	339	225	surface	]~
	660 FSL & 2310 FWL							5 1/2	7 7/8	4051	630	1775' TS	
	30-025-08588												]
25	Jalmat Field Yates Sand Unit	122	OIL	4/17/1958	5/12/1958	4050		8 5/8	12 1/4	335	200	surface	
	660 FSL & 990 FWL							5 1/2	7 7/8	4050	870	surface	
i	30-025-08592												
26	Jalmat Field Yates Sand Unit	117	P&A	4/3/1958	4/22/1958	4082	6/18/1974	8 5/8	12 1/4	292	255	surface	] /
	1980 FSL & 990 FWL			· · · · ·				5 1/2	7 7/8	3907	600	surface	
	30-025-08591												] _
27	Jalmat Field Yates Sand Unit	173	OIL	3/21/2001	5/5/2001	4200		8 5/8	12 1/4	423	300	) surface	
	2630 FNL & 1330 FWL							5 1/2	7 7/8	4200	725	surface	1
1	30-025-35427	,		· · ·				í T					1

¥

¢

1/2 Mile Well Review #5

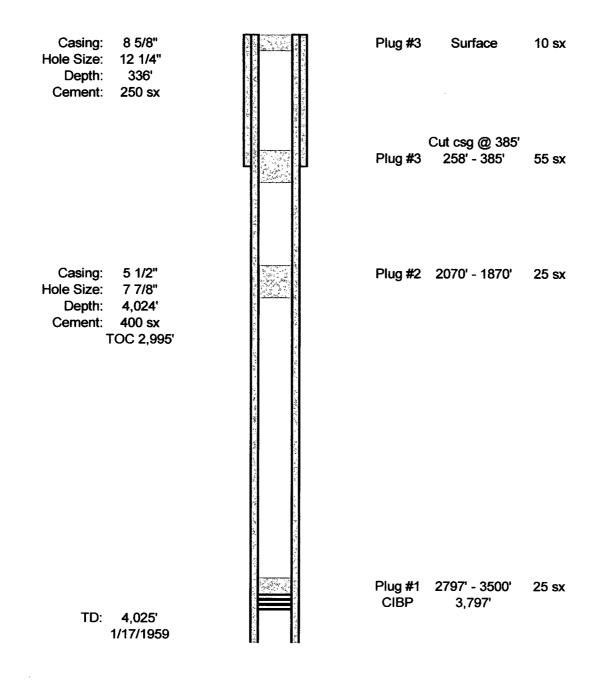
1

2

### WELLBORE SCHEMATIC

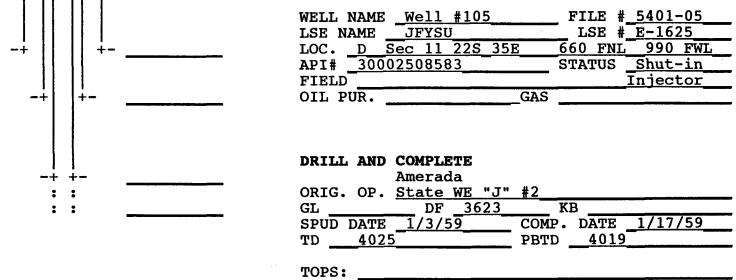
Melrose Operating #105 Jalmat Field Yates Sand Unit 660 FNL & 990 FWL D', Section 11-22s-35e Lea County, New Mexico DF Elevation: 3,623' Total Depth: 4,025 feet API # 30-025-08583

1/



Submit 3 Copies to Appropriate District Office	State of N Energy, Minerals and Nati				Form C-103 Revised 1-1-89	
DISTRICT	OIL CONSERVA	ΔΤΙΟ			,*	
P.O. Box 1980, Hobbs, NM 88240	2040 Pacheo	co St.		WELL API NO. 30-025-08583		
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, N	M 87	7505	sindicate Type of Lea		
P.O. Dianei DD, Ailesia, Nin Doz (U						
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410				•State Oil & Gas Lea E1625	se No.	
(DO NOT USE THIS FORM FOR P DIFFERENT RES	TICES AND REPORTS ON ROPOSALS TO DRILL OR TO DE ERVOIR. USE "APPLICATION FO I C-101) FOR SUCH PROPOSALS	EPEN DR PEF	OR PLUG BACK TO A	Lease Name or Unit Jalmat Field Yat	-	
ITYPE OF Well: OIL GAS WELL WELL	OTHER WI	w				
Name of Operator		**		aWell No.		
Melr Address of Operator	105					
Address of Operator PO Box 5061, Midland, TX 797	04			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	F	Range 35E	NMPM	Lea County	
	10Elevation (Show wheth 3623' DF	•				
<sup>11</sup> Check /	Appropriate Box to Indica	te Na	ature of Notice, Re	port, or Other [	Data	<u> </u>
	NTENTION TO:		1	SEQUENT RE		
	PLUG AND ABANDON		REMEDIAL WORK		ALTERING CASING	
	CHANGE PLANS		COMMENCE DRILLING O	PINS.		т 🔀
PULL OR ALTER CASING		L	CASING TEST AND CEM			
OTHER:			OTHER:			
12Describe Proposed or Completed Operat	ions (Clearly state all pertinent details, a	and give	pertinent dates, including es	stimated date of starting	any proposed	
work) SEE RULE 1103. 5/23/00 Notify OCD. MI & RU						
5/24/00 RU for 2-1/16" tbg. LE	) tbg (118 jts). RIH & tag CIBP ( DH. Close in well.	@ 379	07'. Circ 10# mud. Spot	t 25 sx @ 2797 - 3	500'. POH & spot 25 sx @	2
	. RIH & spot 55 sx @ 435'. POH cellar. Install dry hole marker. M			258'. POH & spot 1	I0 sx @ surf. Cut off	
I hereby certify that the information above	is true and complete to the best of my	knowled	lge and belief.			<u> </u>
SIGNATURE BONNUL	thuater	TI	TLE Regulatory Tech		<i>20</i> date 07-81-00	
TYPE OR PRINT NAME Bonnie Atwater					TELEPHONE NO. 915/685-17	61
(This space for State Use)	$\sim \Lambda$				APR 0 3 20	32
APPROVED BY	y Roluñzo.	<u> </u>	ILECOMPLIANCE O	FFICER	DATE	

### WELL DATA SHEET



CASING

1

HOLE	CASING	WT. GRADE	DEPTH SET	SKS	TOC	
12 1/4	8 5/8		336	250		
7 7/8	5 1/2		4024	400	2995	

.

### COMPLETION

PERFS <u>2 bullet holes per ft. 3877-3900, 3904-07, 3912-18, 3924-38, 3946-66, 3978-4008.</u> 750 gals 15% acid SOF w/20000 gals refined oil & 20000# sand & 200 ball sealers.

Pumped	107.64	bo,	.86	bs&w.	in	24	hrs.	Gas	23.369	mcfpd.		
BOPD		BWPD			M	FP	D		BHI	<u>,                                     </u>		
					-					the second se		

PERFS

BOPD

MCFPD BHP

### REMEDIAL WORK AND WORKOVER

BWPD

DATE <u>9/1/62</u> Work Converted to WIW

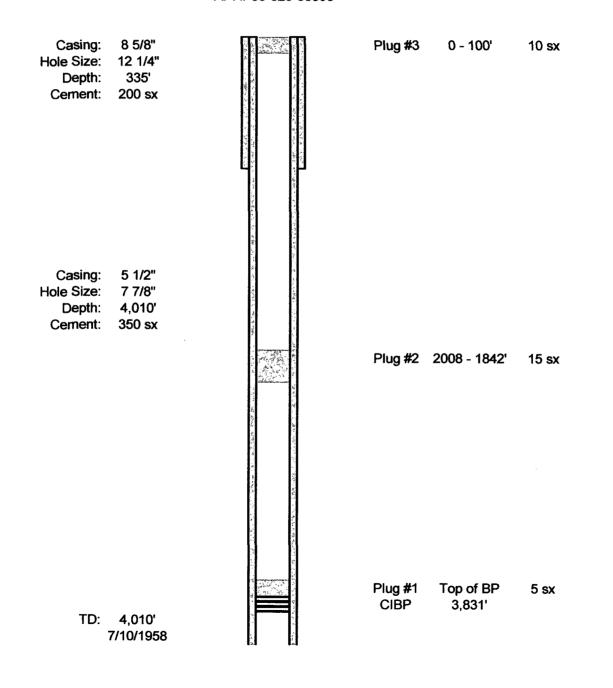
3/31/82 TA'd Inj. DATE \_\_\_\_\_ WORK \_\_\_ 1/2 Mile Well Review #6

2

3

### WELLBORE SCHEMATIC

Gulf Oil Corporation #107 Jalmat Field Yates Sand Unit 660 FNL & 2310 FEL B', Section 11-22s-35e Lea County, New Mexico Ground Elevation: 3,604' Total Depth: 4,010 feet API # 30-025-08596



<u></u>						
NOT OF COPIES RECEIVED		• 1	. 6		Form C-103	
", DISTRIBUTION	La Aliante de Cartera		l.		Supersedes O C-102 and C-	
SANTA FE	NEWM	EXICO OIL CONS	ERVATION COMMISSIO	N	Effective 1-1-	
FILE						
U.S.G.S.	1				Sa, Indicate Type	
LAND OFFICE	_				State XX	Fee.
OPERATOR	1				5. State Oil & Ga	is Lease No.
				<u> </u>	E-8244	
(DO NOT USE THIS FORM FOR P USE "APPLIC	RY NOTICES ANI	D REPORTS ON	WELLS ACK TO A DIFFERENT RESERV H PROPOSALS.)	01R.		
1.					7. Unit Agreemen	t Name
OIL CAS WELL	OTHER-	Water Ind	ection Well	Jalmat	Field Yate	s Sand Unit
2. Name of Operator					8. Form or Lease	
Gulf Oil Corporation					[	
3. Address of Operator		<u> </u>			9. Well No.	
Box 670, Hobbs, New !	fext co 88240				107	
4. Location of Well			···· ··· ··· ··· ··· ··· ··· ··· ··· ·		10. Field and Po	ol, or Wildcat
UNIT LETTER	660	North	LINE AND 2310	_ FEET FROM	Jalmat	
				_ FEET FROM	<u>annnn</u>	<u>IIIIIIIII</u>
THE East LINE, SEC			35-E			
THE CIRE, SEC		10WABATP		HMPM.	VIIIIII	
	15. Eleve	ation (Show whether	DF, RT, GR, etc.)	· · · ·	12. County	XIIIIIX
		360	04' GL		Lea	
16. Check	Appropriate Bo	x To Indicate N	ature of Notice, Re	port or Oth	er Data	
	INTENTION TO:			-	REPORT OF:	
PERFORM REMEDIAL WORK	PLU	JE AND ABANDON	REMEDIAL WORK		ALTER	ING CASING
TEMPORARILY ABANDON			COMMENCE DRILLING OPNS	· 🔲	PLUG A	ND ABANDONMENT
PULL OR ALTER CASING	СНА	NIGE PLANS	CABING TEST AND CEMENT	abr		_
•			OTHER			[
OTHER						
			Plugged and	ahandana	4	

4010' TD, 4004' PB.

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

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

OTONED_Bankiah	TITLE Area_Engineer	DATE June 18, 1974
APPROVED BY JOHN LA. Mungen ONDITIONS OF APPROVAL, IF ANY:	Geologist	DATE SED - 2 COT

1	J			5						
				<u>(</u> -	L DATA SH	EET			G	
				WEL	l name <u>w</u>	ell #107	E	ILE #_	5401-0	7
					NAME JF		358 660	LSE #	<u>E-8244</u> 2310 F	RT.
-+				API	. <u>b sec</u>	11 225		ATUS		
				FIE	LD . PUR.		GAS			
	•									
				DRI	ILL AND CO					
-+ +		·		ORI	Br [G. OP. <u>Ha</u>	itish Am 11 State	erican Oi "F" #13	LI Cor	oratio	n
: :				GL	3604	DF 361	.3 KI			.0
					JD DATE <u>6/</u> 4010		COMP.	<u>4004</u>	//10/3	
				TOP	?S:					
	+	+		++	• <b></b>	+	+		F	
CASING	HOL	- 1	CASING	WT. GRADE	DEPTH SET	SKS	TOC		-	
			<u>8 5/8</u>	<u> </u>	335	200	1		r	
	+ <del>7_7</del>	/8	_5_1/2	14	4010	-	eg. 150 (	neat.	L	
4/29/59		17	hrs <u>on 48</u>	/64" chol		BHI	)		<u>w/300</u>	
4/29/59 PERFS <u>31</u> BOPD <u>a</u>	883-96 verage	17 , 3 pr	<u>hrs on 48</u> 899-3913, coduction	/64" <u>cho</u> } 3930-37, after per	ke. , 3947-59,	BHI	et shots/	Ét		
4/29/59 PERFS <u>31</u> BOPD <u>a</u>	883-96 verage	17 , 3 pr	<u>hrs on 48</u> 899-3913,	/64" <u>cho</u> } 3930-37 after per	ke. , 3947-59,	BHI	et shots/	£t		
4/29/59 PERFS <u>31</u> BOPD <u>a</u> REMEDIAN DATE <u>8</u> per foo	883-96 verage L WORK /27/62 t, per	17 , 3 pr AN	hrs on 48 899-3913, coduction D WORKOVE Work Co 3960-66,	<u>/64" chol</u> 3930-37, after per R <u>nverted t</u> 3940-48	ke. , 3947-59, rforating to WIW. I , 3858-83	BHI 7 2 bulle 42 bo & Perforate w/2 80 c	<u>5 bwpd.</u>	5 w/24	gram .	
4/29/59 PERFS <u>31</u> BOPD <u>a</u> REMEDIA DATE <u>8</u> per foot. <u>1</u> injecti	verage L WORK /27/62 t, per Buiber	17 , 3 pr AN f'd son	hrs on 48 899-3913, oduction D WORKOVE Work <u>Co</u> 1 3960-66, 1 L-30 pac	/64" chol 3930-37, after per R nverted t 3940-48 ker set (	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I	BHF 2 bulle 42 bo & 2 erforate w/2 80 c RIH w/pla	<u>5 bwpd.</u> <u>5 bwpd.</u> ed 3983-9 gram jets astic coa	5 w/24	gram .	
4/29/59 PERFS <u>3</u> BOPD <u>a</u> REMEDIA DATE <u>8</u> per foo foot. <u>1</u> injecti Nov. 19	verage L WORK /27/62 t, per Buiber on. 69 Cle	17 , 3 pr AN f/d son	hrs on 48 899-3913, coduction D WORKOVE Work Co 1 3960-66, 1 L-30 pac	/64" chol 3930-37, after per R nverted t 3940-48 ker set ( rforated	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I & frac'd.	BHF 2 bulle 42 bo & 2 erforate w/2 80 c RIH w/pla	<u>5 bwpd.</u> <u>5 bwpd.</u> <u>ed 3983-9</u> gram jets astic coat	5 w/24 per ted tb	gram -	egan
4/29/59 PERFS <u>34</u> BOPD <u>a</u> REMEDIA DATE <u>8</u> per foo foot. <u>1</u> injecti Nov. 19 DATE 6	verage L WORK /27/62 t, per Buiber on. 69 Cle /18/74	17 , 3 pr AN f'd son	hrs on 48 899-3913, oduction D WORKOVE Work <u>Co</u> 1 3960-66, 1 L-30 pac	/64" chol 3930-37, after per R nverted t 3940-48, ker set ( rforated xs on top	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I & frac'd. p of BP. 1	BHF 2 bulle 42 bo & 2 erforate w/2 80 c RIH w/pla	5 bwpd 5 bwpd ed 3983-9 gram jets astic coa	5 w/24 per ted tb	gram 9. & be	egan
4/29/59 PERFS <u>3</u> BOPD <u>a</u> REMEDIA DATE <u>8</u> per foo foot. <u>1</u> injecti Nov. 19 DATE 6	verage L WORK /27/62 t, per Buiber on. 69 Cle /18/74	17 , 3 pr AN f'd son	hrs on 48 899-3913, coduction D WORKOVE Work <u>Co</u> 1 3960-66, 1 L-30 pac ed out, pe WORK 5 s	/64" chol 3930-37, after per R nverted t 3940-48, ker set ( rforated xs on top	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I & frac'd. p of BP. 1	BHF 2 bulle 42 bo & 2 erforate w/2 80 c RIH w/pla	5 bwpd 5 bwpd ed 3983-9 gram jets astic coa	5 w/24 per ted tb	gram 9. & be	egan
4/29/59 PERFS <u>3</u> BOPD <u>a</u> REMEDIA DATE <u>8</u> per foo foot. <u>1</u> injecti Nov. 19 DATE <u>6</u> from 10 WELL IN	883-96 verage L WORK /27/62 t, per Buiber on. 69 Cle /18/74 0' to VENTOR	17 , 3 pr AN f'd son ane sur	hrs on 48 899-3913, coduction D WORKOVE Work <u>Co</u> 1 3960-66, 1 L-30 pac ed out, pe WORK 5 s	/64" chol 3930-37, after per R nverted t 3940-48 ker set ( rforated xs on top stalled o	ke. , 3947-59, rforating to WIW. I , 3858-83 2 3957. I & frac'd. p of BP, 1 dry hole I	BHF , 2 bulle 42 bo & 2 erforate w/2 80 c RIH w/pla	<u>5 bwpd.</u> <u>5 bwpd.</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u>	5 w/24 per ted tb	gram -	egan
4/29/59 PERFS <u>3</u> BOPD <u>a</u> REMEDIA DATE <u>8</u> per foo foot. <u>19</u> DATE <u>6</u> from 10 WELL IN	Verage verage L WORK /27/62 t, per Buiber on. 69 Cle /18/74 0' to VENTOR BING	17 , 3 pr AN f'd son ane sur	hrs on 48 899-3913, oduction D WORKOVE Work Co 3960-66, 1-30 pac ed out, pe WORK 5 s face. In	/64" chol 3930-37, after per R nverted t 3940-48 ker set ( rforated xs on top stalled o	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I & frac'd. p of BP, 1 dry hole I	BHI <u>42 bo &amp;</u> <u>42 bo &amp;</u> <u>2 erforate</u> w/2 80 c RIH w/pla <u>15 sx frc</u> marker.	<u>5 bwpd.</u> <u>5 bwpd.</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u> <u>9</u>	5 w/24 per ted tb	gram -	egan
4/29/59 PERFS <u>3</u> BOPD <u>a</u> REMEDIA DATE <u>8</u> per foor foot. <u>1</u> injecti Nov. 19 DATE <u>6</u> from 10 WELL IN TU	Verage verage L WORK /27/62 t, per Buiber on. 69 Cle /18/74 0' to VENTOR BING DS	17 , 3 pr AN f'd son ane sur	hrs on 48 899-3913, oduction D WORKOVE Work Co 3960-66, 1-30 pac ed out, pe WORK 5 s face. In	/64" chol 3930-37, after per R nverted t 3940-48, ker set ( rforated xs on top stalled c	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I & frac'd. p of BP, 1 dry hole r	BHF 2 bulle 42 bo & 2 erforate w/2 80 c RIH w/pla 15 sx fromarker.	et shots/: 5 bwpd	5 w/24 per ted tb	gram - g. & be	egan
4/29/59 PERFS <u>3</u> BOPD <u>a</u> REMEDIAN DATE <u>8</u> per foo foot. <u>1</u> injecti. Nov. 190 DATE <u>6</u> from 100 WELL IN TUN RON PUN	883-96 verage L WORK /27/62 t, per Buiber 0. 69 Cle /18/74 0' to VENTOR BING DS MP	17 , 3 pr AN f'd son ane sur	hrs on 48 899-3913, coduction D WORKOVE Work Co 1 3960-66, 1 L-30 pac ed out, pe WORK 5 s face. In	/64" chol 3930-37, after per R nverted t 3940-48, ker set ( rforated xs on top stalled o	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I & frac'd. p of BP, 1 dry hole I	BHF 2 bulle 42 bo & 2 erforate w/2 80 c RIH w/pla 15 sx from marker.	5 bwpd. 5 bwpd. ed 3983-9 gram jets astic coa om 2008 te	5 w/24 per ted tb	gram -	ks
4/29/59 PERFS 33 BOPD _ar REMEDIAN DATE _8 Der foor foot1 injecti. Nov. 190 DATE _6 from 100 DATE _6 from 100 WELL IN TUN RON PUN	883-96 verage L WORK /27/62 t, per Buiber on. 69 Cle /18/74 0' to VENTOR BING DS MP CHOR	17 , 3 pr AN f'd son ane sur	hrs on 48 899-3913, coduction D WORKOVE Work Co 1 3960-66, 1 L-30 pac ed out, pe   	/64" chol 3930-37, after per R nverted t 3940-48, ker set ( rforated xs on top stalled o	ke. , 3947-59, rforating to WIW. I , 3858-83 ê 3957. I ê frac'd. p of BP, I dry hole r	BHF 2 bulle 42 bo & 2 erforate w/2 80 c RIH w/pla 	<u>5 bwpd.</u> <u>5 bwpd.</u> <u>2d 3983-99</u> <u>astic coa</u> <u>2008 te</u>	5 w/24 per ted tb	gram -	ks
4/29/59 PERFS 31 BOPD _a REMEDIAN DATE _8 per foot foot injecti Nov. 19 DATE _6 from 10 DATE _6 from 10 WELL IN TUN RON PUN	883-96 verage L WORK /27/62 t, per Buiber on. 69 Cle /18/74 0' to VENTOR BING DS MP CHOR CKER	17 , 3 pr AN f'd son ane sur Y:	hrs on 48 899-3913, coduction D WORKOVE Work Co 3960-66, 1-30 pac ed out, pe WORK <u>5 s</u> face. In	/64" chol 3930-37, after per R nverted t 3940-48, ker set ( rforated xs on top stalled c	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I & frac'd. o of BP, 1 dry hole r	BHF , 2 bulle 42 bo & Perforate w/2 80 c RIH w/pla 15 sx frc marker.	5 bwpd. 5 bwpd. 2 astic coat 2 astic coat	5 w/24 per ted tb	gram -	<u>egan</u>
4/29/59 PERFS 33 BOPD _a REMEDIA DATE _8 per foo foot injecti Nov. 190 DATE _6 from 100 DATE _6 from 100 WELL IN TU RO PUI AN( PA( PUI	Verage verage L WORK /27/62 t, per Buiber 0. cle /18/74 0. to /18/74 0. to VENTOR BING DS MP CHOR CKER MPING	17 , 3 pr AN f/d son ane sur y:	hrs on 48 899-3913, coduction D WORKOVE Work Co 3960-66, L-30 pac ed out, pe WORK 5 s face. In	/64" chol 3930-37, after per R nverted t 3940-48, ker set ( rforated xs on top stalled of	ke. , 3947-59, rforating to WIW. I , 3858-83 @ 3957. I & frac'd. p of BP, J dry hole r	BHF 2 bulle 42 bo & Perforate w/2 80 c RIH w/pla	et shots/: 5 bwpd	5 w/24 per ted tb	gram -	<u>Sqan</u>

,

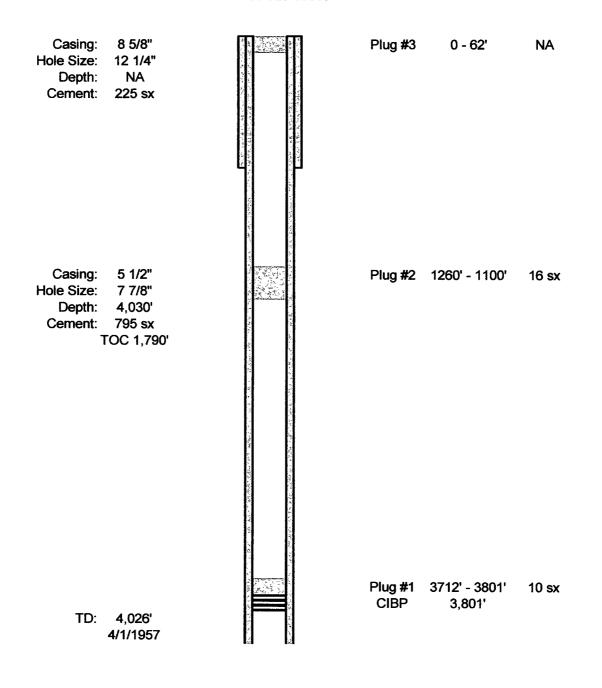
REMARKS: \_

1/2 Mile Well Review #22

2 . 2

#### WELLBORE SCHEMATIC

Gulf Oil Corporation #120 Jalmat Field Yates Sand Unit 660 FSL & 1650 FEL O', Section 11-22s-35e Lea County, New Mexico Ground Elevation: 3,609' Total Depth: 4,026 feet API # 30-025-08585



NO. OF COPIES RECEIVED	7		Form C-103
DISTRIBUTION		•	Supersedes Old
SANTA FE		SERVATION COMMISSION	C-102 and C-103
FILE		SERVETION COmmission	Effective 1-1-65
U.S.G.S.	-1		5a. Indicate Type of Lease
LAND OFFICE	-		State Y Fee
OPERATOR			5. State Oil & Gas Lease No.
(DO NOT USE THIS FORM FOR I USE "APPLIC	DRY NOTICES AND REPORTS ON PROPOSALS TO BRILL OR TO DEEPEN OR PLUG ATION FOR PERMIT -" (FORM C-101) FOR SU	WELLS BACK TO A DIFFERENT RESERVOIR. CH PROPOSALS.)	B-8244
			7. Unit Agreement Name
WELL XX WELL	OTHER-	Jalma	t Field Yates Sand Unit
2. Name of Operator			8. Farm or Lease Name
Gulf Oil Corporation 3. Address of Operator	<u> </u>		9. Well No.
Box 670, Hobbs, New	Mexico 88240	······································	120 10. Field and Pool, or Wildcat
UNIT LETTER	660 FEET FROM THE South	LINE AND FEET PRO	Jalmat
_			
THE <u>East</u> Line, sec	TION 11 TOWNSHIP 22-5	RANGE 35-E NMPI	• (()))))))))))))))))))))))))))))))))))
	15. Elevation (Show whether	DF, RT, GR, etc.)	12. County
		3609' GL	Lea
16. Check	Appropriate Box To Indicate I	Nature of Notice, Report or O	ther Data
	INTENTION TO:		IT 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			
	Operations (Clearly state all particul de	Plugged and abandoned	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1903.

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

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

SIGNED H. Q. Alageale	TITLE Area Engineer	DATE March 30, 1973
APPROVED BY John W. Rungan	Geologist	<u> 0.07 0.0 1070</u>

4	<b>1</b> .	y,
---	------------	----





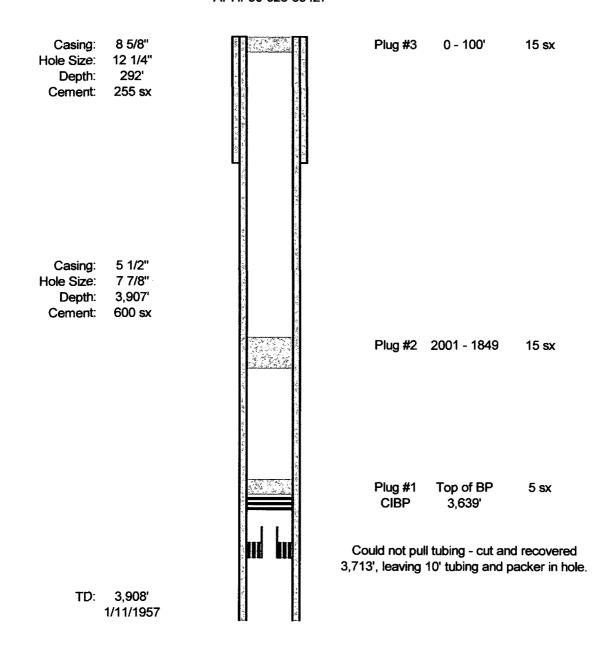
	+ 		LSE LOC API FIE OII DRI GL SPU	NAME       JF         .       O       Sec         #	YSU 11 22S MPLETE itish Am 11 State DF <u>361</u> 3/21/57	<u>35E 660 FSL</u> STATU GAS erican Oil "F"	<u> </u>
			TO	?S:	<u> </u>		
	:	CASING	WT. GRADE	DEPTH SET	SKS	TOC	+
-	12_1/4	8 5/8	l 		225	1700	
-	7_7/8	5_1/2	14	4030	809_c	<u>1790</u> u. ft. + 100	<u>sx</u> neat.
4/9/57 Pe stages to 145 BO. 10/5/57 A volume 11 9/5/64	rf'd 39 tal of fter lo .3 MCFI 4 gram	010-22, 392 30000 gale oad recover PD, GOR 262	29-44, 39 3. oil, 3 red produ 2:1.	966-76 w/4 30000# san uced @ rat	<u>35 GM j</u> d, 180 b e of 28		dn. csq. 4
BOPD	3	SWPD	MCFI	PD	ВНР		
DATE DATE <u>Marc</u> to 3712', Spotted 6	<u>h 1973 loadec</u> 2' cmt	$\frac{1}{2} \cos \frac{w}{83}$	H. Set bbls, w 62' to	BP @ 3801' ater & sal surf, inst	t gel, 1 alled dr	10 sx cmt p 6 sx plug 12 y hole marke	<u>blug from BP</u> 260-1100. er.
WELL INVE TUBI							
RODS	<u> </u>				<u></u>		
PUMP		<u>-</u>					
ANCH	OR	······································		S	N		
PACK	ER						
PUMP	ING UN	IT				ID#	
WELL	HEAD _			ME	TER #	-	
REMARKS :							

1 i v

1/2 Mile Well Review #26

### WELLBORE SCHEMATIC

Gulf Oil Corporation #117 Jalmat Field Yates Sand Unit 660 FSL & 1980 FWL N', Section 12-22s-35e Lea County, New Mexico Ground Elevation: 3606 Total Depth: 3,908 feet API # 30-025-35427



		ć	Form C-103 Supersedes Old
TRIBUTION			C-102 and C-103
AFE	NEW MEXICO OIL CON	SERVATION COMMISSION	Ellective 1-1-65
Ē			
J.S.G.S.			Sa. Indicate Type of Lease
LAND OFFICE			State Les Fee
OPERATOR			5. State Oil & Gas Lease No.
L			E-2682
(DO NOT USE THIS FOR FOR	DRY NOTICES AND REPORTS ON	WELLS DACK TO A DIFFERENT RESERVOIR. TH PROPOSALS.)	
1.			7, Unit Agreement Name
	OTHER- WA	ter Injection Well Ja	Imat Field Yates Sand Unit
2. Name of Operator			8. Farm or Lease Name
Gulf Oil Corporation	1		
3. Address of Operator		***************************************	9. Well No.
Box 670, Hobbs, New	Nextee 88240		117
4. Location of Well	MEXICO 00240	······································	10, field and Pool, or Wildcat
N	660 6	1000	
UNIT LETTER	660 FEET FROM THE South	LINE AND 1980 PEET PR	° 13103t
		·• -	///////////////////////////////////////
THE West LINE, SEC	CTION TOWNSHIP 22-S	RANGE <u>35-E</u> NMI	ν
kannanna			
81111111111111111	15. Elevation (Show whether	· ·	12. County
$\overline{\mathbf{v}}$		06'_GL	Lea Allilli
16. Check	k Appropriate Box To Indicate N	lature of Notice, Report or (	Other Data
	INTENTION TO:	•	NT 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			
		Plugged and abandone	
17. Describe Proposed or Completed work) SEE RULE 1103.	Operations (Clearly state all pertinent det	ails, and give pertinent dates, include	ing estimated date of starting any proposed

3908' TD, 3900' PB.

 $\Lambda$ 

Could not pull tubing. Cut and recovered 2-1/16" tubing from 3713', leaving 10' tubing and packer in hole. Ran CI BP and set at 3639'. Loaded hole with gel water. Spotted 5 sack cement plug on top of BP. Spotted 15 sack cement plug from 2001' to 1849', across salt. Spotted 15 sack cement plug from 100' to surface. Installed dry hole marker and cleaned location. Plugged and abandoned June 18, 1974.

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

IGNED_ Stanbias	title_Area_Engineer	DATE JUNE 18. 1974
ONDITION OF APPROVAL, IF ANYI	Geologist	DATE

	С.		WET	L DATA SHE	ET	C	
1 11 1	1 1		WEL	III DATA OHE		۹,	
			LSE	L NAME <u>We</u> NAME <u>JFY</u>	SU	LSE #	5401-17 E-2682
-+	+	<u> </u>	LOC	• <u>N</u> Sec	<u>12 225 </u>	35 <u>E 660 FSL</u> STATUS	<u>1980 FWL</u>
-+	+-		FIE	LD PUR.		GAS	
	•		022				
			DRI	LL AND CON	IPLETE	lling Co. Rand	all #3
: :			ORI	C OD Bri	tich Am	erican Oil KB 36	
::	·		SPU	JD DATE <u>1</u> 3908 KB	1/57	COMP. DATE PBTD 3900	1/11/5/
			TOI	?S:			
	+	+	+	+		+   TOC	+ 
LASING	HOLE	CASING	WT. GRADE	DEPTH SET	SKS		 +
	+	8 5/8	24	292 KB			ł
	1	_5_1/2	15.5	<u>3907_KB</u>	600		
OMPLETI	ION						
OPD	]	RWPD	MCT	חס			
PERFS							
PERFS			MCF				
PERFS	L WORK A	BWPD	MCF:	PD	BHP		90 gram jet
OPD OPD EMEDIAI ATE _8/ harges/ 785, 30	L WORK A /27/62 /ft., 37 0000 gal	BWPD ND WORKOVE  Work <u>C</u> 40-3772 4/ s water &	MCF R onverted 24 gram 50000# s.	PD to WIW. jet charge and in 2 s	BHP Perf'd 3 s/ft. F tages se	794-3810, w/2 rac treat 3740 parated by bal	<u>-/2 W/BP @</u> l sealers.
PERFS BOPD REMEDIAI DATE charges, 3785, 30	L WORK A /27/62 /ft., 37 0000 gal	BWPD ND WORKOVE  Work <u>C</u> 40-3772 4/ s water &	MCF R onverted 24 gram 50000# s.	PD to WIW. jet charge and in 2 s	BHP Perf'd 3 s/ft. F tages se	794-3810, w/2 rac treat 3740	<u>-/2 W/BP @</u> l sealers.
PERFS	L WORK A /27/62 /ft., 37 0000 gal @ 3723. une 1974	BWPD ND WORKOVE Work _C 40-3772 4/ s water & 36' KB WORK Le	MCF: R onverted 24 gram 50000# s ft 10' t	PD to WIW. jet charge and in 2 s	BHP Perf'd 3 s/ft. F tages se	794-3810, w/2 rac treat 3740 parated by bal	9 & spotted
ERFS OPD EMEDIAI ATE8/ harges/ 785, 30 et tbg	L WORK A /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to	BWPD ND WORKOVE Work <u>C</u> 40-3772 4/ s water & 36' KB B. WORK <u>Le</u> p. Spotte	MCF R onverted 24 gram 50000# s ft 10' t d 15 sx	PD to WIW. jet charge and in 2 s bg and pkr plug from	Perf'd 3 s/ft. F tages se in hole 2001-184	794-3810, w/2 rac treat 3740 parated by bal	<pre>-/2 W/BP E 1 sealers. 9 &amp; spotted from 100'</pre>
PERFS BOPD REMEDIAN DATE Charges, 3785, 30 Set tbg DATE DATE DATE	L WORK A /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to	BWPD ND WORKOVE Work <u>C</u> 40-3772 4/ s water & 36' KB B. WORK <u>Le</u> p. Spotte	MCF R onverted 24 gram 50000# s ft 10' t d 15 sx	PD to WIW. jet charge and in 2 s bg and pkr plug from	Perf'd 3 s/ft. F tages se in hole 2001-184	794-3810, w/2 rac treat 3740 parated by bal . <u>Set BP @ 363</u> 9, 15 sx plug	<pre>-/2 W/BP E 1 sealers. 9 &amp; spotted from 100'</pre>
PERFS NOPD REMEDIAL DATE CATE D	L WORK A /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to ace. In VENTORY:	BWPD ND WORKOVE Work <u>C</u> 40-3772 4/ s water & 36' KB 36' KB WORK <u>Le</u> p. Spotte stalled dr	MCF R 24 gram 50000# s ft 10' t d 15 sx y hole m	PD to WIW. jet charge and in 2 s bg and pkr plug from arker.	Perf'd 3 s/ft. F tages se in hole 2001-184	794-3810, w/2 rac treat 3740 parated by bal . <u>Set BP @ 363</u> 9, 15 sx plug	<u>9 &amp; spotted</u> from 100'
PERFS POPD PATE P	L WORK A /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to ace. In VENTORY: BING	BWPD ND WORKOVE Work <u>C</u> 40-3772 4/ s water & 36' KB 36' KB wORK <u>Le</u> p. Spotte stalled dr	MCF R 24 gram 50000# s ft 10' t d 15 sx y hole m	PD jet charge and in 2 s bg and pkr plug from arker.	Perf'd 3 s/ft. F tages se in hole 2001-184	794-3810, w/2 rac treat 3740 parated by bal . Set BP @ 363 9, 15 sx plug	<u>9 &amp; spotted</u> from 100'
PERFS POPD PATE PAT	L WORK A /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to ace. In VENTORY: BING DS	BWPD ND WORKOVE  40-3772 4/ s water & 36' KB.  WORK _Le p. Spotte stalled dr	MCF R 24 gram 50000# s ft 10' t d 15 sx y hole m	PD jet charge and in 2 s bg and pkr plug from arker.	Perf'd 3 s/ft. F tages se in hole 2001-184	794-3810, w/2 rac treat 3740 parated by bal . Set BP @ 363 9, 15 sx plug	<u>9 &amp; spotted</u> from 100'
PERFS BOPD REMEDIAL DATE STAS5, 3( Set tbg DATE DU	L WORK A /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to ace. In VENTORY: BING DS MP	BWPD ND WORKOVE Work _C 40-3772 4/ s water & 36' KB.  WORK _Le p. Spotte stalled dr	MCF R 24 gram 50000# s ft 10' t d 15 sx y hole m	PD jet charge and in 2 s bg and pkr plug from arker.	BHP <u>Perf'd 3</u> <u>s/ft. F</u> tages se <u>in hole</u> <u>2001-184</u>	794-3810, w/2 rac treat 3740 parated by bal . <u>Set BP @ 363</u> 9, 15 sx pluq	<pre>-/2 W/BP E 1 sealers. 9 &amp; spotted from 100'</pre>
PERFS BOPD REMEDIAI DATE _8/ charges/ 3785, 30 Set tbg DATE _Ju 5 surfa to surfa WELL INV TUI ROI PUI ANO	L WORK AN /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to ace. In VENTORY: BING DS MP CHOR	BWPD ND WORKOVE Work _C 40-3772 4/ s water & 36' KB WORK _Le p. Spotte stalled dr	MCF R 24 gram 50000# s ft 10' t d 15 sx y hole m	PD jet charge and in 2 s bg and pkr plug from arker S	BHP Perf'd 3 s/ft. F tages se in hole 2001-184	794-3810, w/2 rac treat 3740 parated by bal . <u>Set BP @ 363</u> 9, 15 sx plug	-/2 W/BP E 1 sealers. 9 & spotted from 100'
PERFS BOPD REMEDIAL DATE Set tbg DATE	L WORK A /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to ace. In VENTORY: BING DS MP CHOR CKER	BWPD ND WORKOVE  40-3772 4/ s water & 36' KB.  WORK _Le p. Spotte stalled dr	MCF R onverted 24 gram 50000# s ft 10' t d 15 sx y hole m	PD jet charge and in 2 s bg and pkr plug from arker. S	Perf'd 3 s/ft. F tages se in hole 2001-184	794-3810, w/2 rac treat 3740 parated by bal . <u>Bet BP @ 363</u> 9, 15 sx plug	<u>9 &amp; spotted</u> from 100'
PERFS BOPD REMEDIAI DATE Charges, 3785, 30 Set tbg DATE Set tbg DATE DATE DATE Set tbg DATE Set tbg DATE Set tbg DATE Set tbg DATE Set tbg DATE DATE Set tbg DATE DATE Set tbg DATE DATE Set tbg DATE DATE DATE Set tbg DATE TUI ROI DATE PUI	L WORK AN /27/62 /ft., 37 0000 gal @ 3723. une 1974 ug on to ace. In VENTORY: BING DS MP CHOR CHOR CKER MPING UN	BWPD ND WORKOVE Work 36' KB. WORKLe pSpotte stalled dr	MCF R onverted 24 gram 50000# s. ft 10' t. d 15 sx y hole m	PD jet charge and in 2 s bg and pkr plug from arker S	Perf'd 3 s/ft. F tages se in hole 2001-184	794-3810, w/2 rac treat 3740 parated by bal . <u>Set BP @ 363</u> 9, 15 sx plug	<u>9 &amp; spotted</u> from 100'
PERFS BOPD REMEDIAI DATE _8/ charges/ 3785, 3( Set tbg DATE DATE DATE DATE DATE DATE DATE NOI PUI ANC PUI	L WORK AN /27/62 /ft., 37. 0000 gal @ 3723. une 1974 ug on to ace. In VENTORY: BING DS MP CHOR CKER MPING UN TOR	BWPD ND WORKOVE Work _C 40-3772 4/ s water & 36' KB.  WORK _Le p. Spotte stalled dr	MCF R onverted 24 gram 50000# s ft 10' t d 15 sx y hole m	PD jet charge and in 2 s bg and pkr plug from arker  	BHP <u>Perf'd 3</u> <u>s/ft. F</u> tages se <u>in hole</u> <u>2001-184</u> N N D#	794-3810, w/2 rac treat 3740 parated by bal . get BP @ 363 9, 15 sx plug	9 & spotted from 100'

### Analytical Laboratory Report for: MELROSE OPERATING COMPANY



UNICHEM Representative: Hanson, Lavell

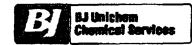
# **Production Water Analysis**

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	Samp <del>le</del> Date:	
Cations:		mg/L	as:	
Calcium		2860	(Ca <sup>°</sup> )	
Magnesium		3066	(Mg <sup>↔</sup>	
Sodium		27413	(Na )	
iron		9.00	(Fe )	
Barium		2.40	(Ba <sup>+</sup> )	
Strontium	-	58.30	(Sr <sup>°°</sup> )	
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	(CC <sub>2</sub> / (H,S)	
· ·			(1 <sup>2</sup> )	

#### MELROSE OPERATING COMPANY

Lab Test No: 2003144500



### DownHole SAT<sup>™</sup> Scale Prediction @ 104 deg. F

Minoral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO3)	19.99	.784
Aragonite (CaCO3)	16.89	.757
Wilhente (BaCO3)	.00324	-22.85
Strontlanite (SrCO3)	.488	-1.17
Magnesite (MgCO3)	28,49	.652
Antrydrite (CaSO4)	.719	-93,49
Gypsum (CaSO4*2H2O)	.75 <del>9</del>	-50.84
Barite (BaSO4)	5.82	1.18
Celestite (SrSO4)	.149	-158.1
Silica (SiÖ2)	o	-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
Iron sulfide (FeS)	656.12	4.79

Interpretation of DH8at Results:

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

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

¥ K Ø

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

.

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

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	s (CaCO3) Stability Index :	:
	pH - pCa - pAlk - K	
	SI $0.86 F = +0.20$	
	$104 F = \pm 0.42$	

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

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

REPORTED BY JOY DUNCAN

LAB TECHNICIAN

### AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

### I, KATHI BEARDEN

Publisher

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

of\_\_\_\_\_1

\_\_\_\_ weeks.

Beginning with the issue dated

November 6 2003 and ending with the issue dated

November 6 2003

Publisher Sworn and subscribed to before

me this <u>6th</u> day of

November 2003 Notary Public.

My Commission expires November 27, 2004 (Seal)

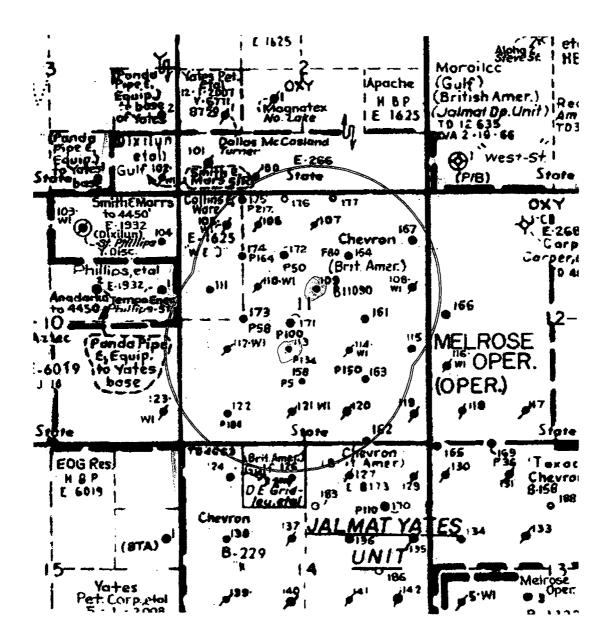
This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

67100851000 67517845 West Texas Oil Reports PO Box 953 MIDLAND, TX 79702

LEGAL NOTICE November 6, 2003

#### Notice of Application for Fluid Injection Well Permit

Melrose Operating Company, PO Box 953, Midland, TX 79702 contact Ann Ritchie (432) 684-6381 is seeking administrative approval from the New Mexico Oil Conservation Division to complete the following two wells for fluid in-jection: 1) Jalmat Field Yates Sand Unit Well #109 located in Section 11, T22S, R35E, 1980 FNL & 2310 FEL, Lea County, NM. Proposed injection interval is in the Jalmat with perforations from 3876-3972' with a maximum daily injection volume of produced formation water at 1000 bbls per day with a maximum injection pressure of 1925# . 2) Jalmat Field Yates Sand Unit Well#113 located in Section 11, T22S, R35E, 1980FSL & 2310 FWL, Lea County, NM proposed injection interval is in the Jalmat with perforations from 3893-4018' with a maximum daily injection volume of produced formation water at 1000 bbls per day with a maximum injection pressure of 1925#. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 2040 S Pacheco, Santa Fe, New Mexico 87505 with 15 days of this notice. #20228 - -



NOTIFICATION OF OFFSET OPERATORS

Pronghorn Mgmt. Corp	Sowestri, etal 4-1-2005 y 5765 H.B.P. Reslet 6 Shelden 1 8-1040	A Rend Loss 1 6.1.13003 Britane 1555 1 1003 Fred Vists 1 1003 10 100 27 60 Perroc Million 27 60 Perroc	Ambassador, 11 W. 1964	,	
Hew Mexico - St."	GUANSE THE SALE MARY LESS AND	F-1640	'34,07 MM' 157 10 19 4460	E-394 B-244	10 m A P #5 A EXX
	Burging Philips Solvestin 0050 HBP Solvestin 18 E-1922 Control 19 TO 12031	7 Yates Pet, evalue Near burg research Near burg research Range Yz Hate Fon (1-1202) 18-2312 18-2317 Unarto Marca Unarto Marca Unarto Unarto Marca Unarto Marca Unarto Marca Unarto Marca		Kukui Inc. 12 25 - 2 Tenneco 9-1 25 R.C. Burton cta	MAN 3 5 50 Con Ca. (5) MAN 3 5 1 Peros Prod. 10 I.F. Ward (months) 11 1
E-1921 Prilling "Vores" Pale 14 coort 7.4 14 (a) Store Store	TO 12031	Source 4 TO 4251		Rechastorp Ameroco	N da Artis Pector Albargo Attis
succession and the second second	Devon Ener.   Advanced	Yotes Pet. (143) Yotes Pet. (143) Va. 588 est Treor. 9 va. 588 est Var Disc. v24	Stote Chevron H.B.P.	State "A.R.Ca-St Yotes Pet, etal V. 1.2004 V. 2548 Solar Harrior	A TT () ( Const. And Perces Prod. 14 TT () ( Const. And Perces Prod. 15 TT () ( Const. And Perces Pr
- 935 A E 1924 magazilita a Burgunday Addate a C.	Beten 407 - AUT	wc Dise. P24	8-158		All P 50162 2 D.A. Tipton you
4.4461 Sr Yates Palay : / innor: Sr Yates Palay : / villeps (Metodor) 46 Oil) 17:1:2000 10:21 / 2000	Gemis Saga Pet. 27 Plao 3 (Tennico, etai)	30000 100 39956 34 ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩		Gulf Horne Star	(100 ALT) Durit (Late) COG ALT Corer 1 3146 Aprice South So
HBC Shelly	Guilty solar V-4755		6 1 - 2003 VA-1774 Lorie 1513 154250 8412 3160 4 - 401	1880 Withsfirt 0 6280 Vestsfirt 0 6280 Vests 12 Events 1900 Store 22 A	Grenord Litsory; (By Bech St. Sorth
(Pren State 1'n 4070	State And Aline Twee Marte Patter (Earon) Santcher St	Store Weila (BP Amer.) Orleman (BP Amer.)	State 1996 dia. 1996 318386 Rabbille 1 Oxy	Martine Construction Martine Construction (martine construction) Martine Construction Martine Construction	u.s. Fed Ld. Bak.Wichita(S)
	Vi Pet Ta Refort	Donegon 37 + 1322 Pet Dev Cont   Tempo Ener 3 - 1 2004   Tempo Ener 125 #	Apoche 1	v 4453	Chevron 030132 A.763
na (Minchent Energy) Serrisman Streety Serrisman Streety	Shellin allo	C/A ACA 3 R	i c 1625	Morailer HBP (Gulf)	G Severing
Son Simer St	3 Son Simon St State 4/4 Son Simon St State 4/4 4/4 Son State 18	And Party Control Cont	BTS94   Hognates   E 1623	TD 12 635 TD 3007	And States State
Sinte Sinte Apache	Stute •	Apache 102 Smithe Morrs	Collings 6 175 0 116 0 117	(P/B) Store (P/B) Store	J N.Day #
H.B.P. B-158	(Devon E Mearberg) 5 • 1 • 2003 V • 5310 109 35	E-1625	E-1625 174 6172 Pilo 154 Wt ) 474 6172 Pilo 154 164 6172 Pilo 154 (Brit Amer.)	OXY Corper 1 U:0 0000 A V:2260 - 0-1333 Corper 0-1333 Corper 0-1351 Corper 10-1351 Corper 10-1351 Corpe	State Mirose         Reptor Res.           3         β           3         β           3         β           4         493           157-8         9           152-8         493           157-8         9           152-8         9
ton Mobil 1 Chevron	Prvon 9 Little Kings Numston	Anadasta tempetane to 4450 philling 51 10 Aztre (Pando Pipe)	173 19	166 12- 1407	* **** ***** *************************
Stn.Ener. 54   H.B.P. (B.P.   B-229	z + Hudson v z + Humple St. UA 11-24-60 "Little Kings"	E-6019 (to Yates)	154 1150 163 155 1150 163	OPER. 8-1327 (OPER. 21937 (OPER.)	10 * 10 * 12 \$58 TPC.CO' State
j Stote , So'west'n Ener 1/4	State Merchants Livestock Sourcestin Energy 42	Secre	122 121 VI 220 119 184 Spare 162 18465 Brit America (B. Chavron 24 Martin 186 (B. Santer)	AILO AIT MENTE State Mence	All Hinori Conoc
Away Neorburg etcl turg v. 5253 Cactue turg v. 5253 TO 4180 kr 17' DA180	Nedrourg eral (27 6 - 1 - 2005 E: 3357 V-5840 to 7000 31563 to 400	Pure Res.   EOG Res.  5 1 2000 H B P V 4637 H B P 96 88   2 6819	DE Grie- 189 E 4111 179 189 E 4111 179 PHO 210 Chevron	Chevron SISS o ISS OFT	Der. 03032 Cir A E. Cir A Serv. 03032
oise. 17	*No. Rock Lk? 01 22	35 15	B-229 JALMAT YA	ES 134 133 132 160	5 p <sup>2</sup> 774 4 Conti Unice 4 16 17 500 10 10 2 c
EMONASE	Sowest'n Ener. 1/4 Nearburg, e tol !1- 1 - 2003 VA:1861 8439	Vates Pet: Curp. Hol 5 - 1 - 2008 V :6838 K :2	<sup>2 ما</sup> ه <sup>1</sup> <sup>2</sup> <sup>2</sup> <sup>2</sup> <sup>2</sup> <sup>2</sup>	5.W 30per 4 41 8-11223 Tr. 1	Closson
Store	Stote	Rock Lake State	siasin e <sup>144</sup> s <sup>43</sup> Store	12 32 "State	
(1-17 2003) Sonty fa Devon SFS 1	H E. Vortes Co. 3 ( 2005 (BPArner & V 5748 (10 4825) 159 34 (10 4825)	OXY HBP - HBP LG-350 E-260 2602 Apache	(Brit Americans) Chevron 122	Meirose Oper: Meirose Oper: 1.WI 4774 5266 01 B-11223 517.2 33 Tr. 1930 Meirose Oper:	" "Store C. Store P 38 (C. TVA (C. TVA)
		E-1625	"' 	<sup>1</sup> / <sub>2</sub>	030152 34 50% (C.r. Serv) TrACrossen with C. 19 37 19 11 11 11 11
0e-1:2004 10-1:2004 V-5621 278 12	H.E.Yartes Co. 3 + 1 : 2005 7 : 5743 159 <u>36</u>	Yates Pet, etal Va. 1263 4521	BP Amer, Meirose t 8322 t, 1445 SPP1''9' Tr 4	Melros I tacher merhan Oper F. 100 Stores Strikes Tr 5 Im Tr. 6 800 Im Tr. 6 800	
Stota Merchants Livestock(s)	Snate	452 Snote	1, 1111 SHOW 2/1 or 4 1, 1111 SHOW 2/1 SF53, 1, 111 → 13 5, 101 - 14 5, 101 -	Store 3	Tom Closson Closson Closson
Amerada   Devon Exer H.B.P.   H-1-12006 B-1040   V.646 19275	Prestone Expl. Cantinenta. 7.1.2006 V.5794 70.4634 Sill 22	Yates Pet etal 1 2003 V 5236 5455	Guif HBP LB-3 J.Pierce	At antic) (Schermerhern BPAmer, g-0077 Bob Cobb.eta T-0 44 B-1357	Melrose Ener No Conoc Melrose Ener No Meye 0 301328 (Eurotex) Prices
29		(C-1025 .1 YATE	JALMATI SENSI 3 SUNIT 26 Stote 731	Tr. 8 F06 Res 5 3 F06 Res 5 3 bel 3500gtn 64 formed Tr. 7 3. Piercel 25	13 26 1 Tro 35 70
The Blanco Co	0 * Of States of the state of t	Matadar Pet. NEL	DPER.) SOX Res.	Arse Melrose Oper	
Singing	ATT 12 - 11444 ATT 12 - 1144 ATT 12	Stote	FLowson UXY 23 81 UXY DE BESS State Gridley etal State	5731 - 5100 - 5100 - 5100 - 5100 - 5100 - 5100 - 5000 - 5000 - 5000 - 50	12 p Tom Closson" 20 U.S. 23
: Devon Ener,   Devon Ener, II - 1 - 2006   II - : - 2006 V - 5450   V - 4449	J. Bruce 10 1 2006 v 6398 83399	Unian III-II-01 D.J.Schutz Ganero A. R. 7.1.2006 D.E.Grit. V-6295 USLANDI 155 22	Matador 7 1 2007 - 7 1 2007 V 6650 V 6663 1264 1 9649	LR Cone LCO Print J.R Cone E 2397 (Chevron) Metrose Oper	A Rice Oil S to sono Rice A ISIZE Meyer
65 52 67 50 1 32	33	34	 		•••• • • • • • • • • • • • • • • • • •
	Devon Ener. 10-1 - 2006 v-6399	34 Texaco ( H.B.P. ( E-1651)	35   AKH   VAU NT *	Matador 7 1 2007 V 6664 Addio 4 550 4 2007 4 550 4 2007 4	Millard Deck(S) - Alton
Stote	705 a State	State	Jne M Kelly Sult Stefa Th A Th A Th A Stefa Mark ( Sea Stefa	Schermer Mig Stote	What KER COD (Gut) What Constants 1 STA ALCONTRACTIONS 14 51 AJ Christmes M. Orch FSA (5)
2 to 4 al 40 ti Ac 9 40 to 40 to 40 ti Ac 1 Service to Yotes Pert, etcl.	0 92 AL 440 32 AL 31 40 32 AL 440 32 AL D.E. Gorizaies 3 1 2012 aze 00	40 34 40 440 39 41 144 48 21 40 48 1 Energen Erergen (M.J. Horvey Jr.) 6 1 - 4 7 1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	4046 - 140,39 - 740,37 - 140,24 - 1 Matador 7 - 1 - 2007 - 7 - 1 - 2007 - 7 - 1 - 2007 - 7 - 1 - 2007	Cherry Courter	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1



