



OIL CONSERVATION DIVISION

BTA OIL PRODUCERS

RECEIVED ROCKY MOUNTAIN DIVISION

MIDLAND PARTNERS
CARLTON BEAL
CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL

104 SOUTH PECOS
MIDLAND, TEXAS 79701
AC 915-682-3753

'91 JUN 24 AM 10 32

555-17TH STREET
SUITE 835
DENVER, CO 80202
AC 303-292-9299

DENVER PARTNER
BARRY BEAL, JR.

June 21, 1991

RE: Amended Injection Depth
Cinco De Mayo Fed. #1-D
SWD Order No. R-5287
Unit C, Sec. 24, T18S, R32E
Lea County, New Mexico

Case 5755 9/28/76

STATE OF NEW MEXICO
Energy & Minerals Department
Oil Conservation Commission
P. O. Box 2088
Santa Fe, NM 87504-2088

Attn: Mr. David Catanach

Dear David:

BTA hereby requests administrative approval to amend our injection depth to the Devonian formation from 14,710' to TD in the above referenced well.

This well was drilled in 1961 by Ralph Lowe. From the records we have obtained, the well was drill stem tested from 14,720' to 14,905'. The recovery and the shut-in pressures indicate excellent permeability at this depth. The well was plugged and abandoned by Ralph Lowe. Burleson & Huff re-entered the well and received a permit for salt water disposal in 1976.

BTA purchased this well from Frostman Oil Corporation effective 11/01/90. At the present time, BTA operates four producing wells in this section and are disposing of approximately 430 barrels of water per day with the existing permitted limited pressure zone. We are, at present, drilling an additional well located in the NE/NE of this section and anticipate as much as a total of 2000 barrels of produced water per day.

Please advise if additional data is required to amend our permitted depth to the deeper horizon to enable us to dispose of our produced water.

Sincerely,

DOROTHY HOUGHTON
For BTA Oil Producers

DH/pdi

xc: BLM
NMOCC - Hobbs
Offset Operators

BTA OIL PRODUCERS

Amended Injection Depth
Cinco de Mayo Fed
No. 1 - Order No. R-5287
660' FNL & 1980' FWL
C, Sec. 24, T18S, R32E
Lea County, New Mexico

TD: 14,905'

Tubing: 2-7/8" 6.5# N-80 plastic coated

Packer: 5-1/2" Baker Loc-Set @ 14,600'

Name of
Injection Formation: Devonian

Injection Interval: 14,710' to TD (14,905')

Field: Undesignated Devonian

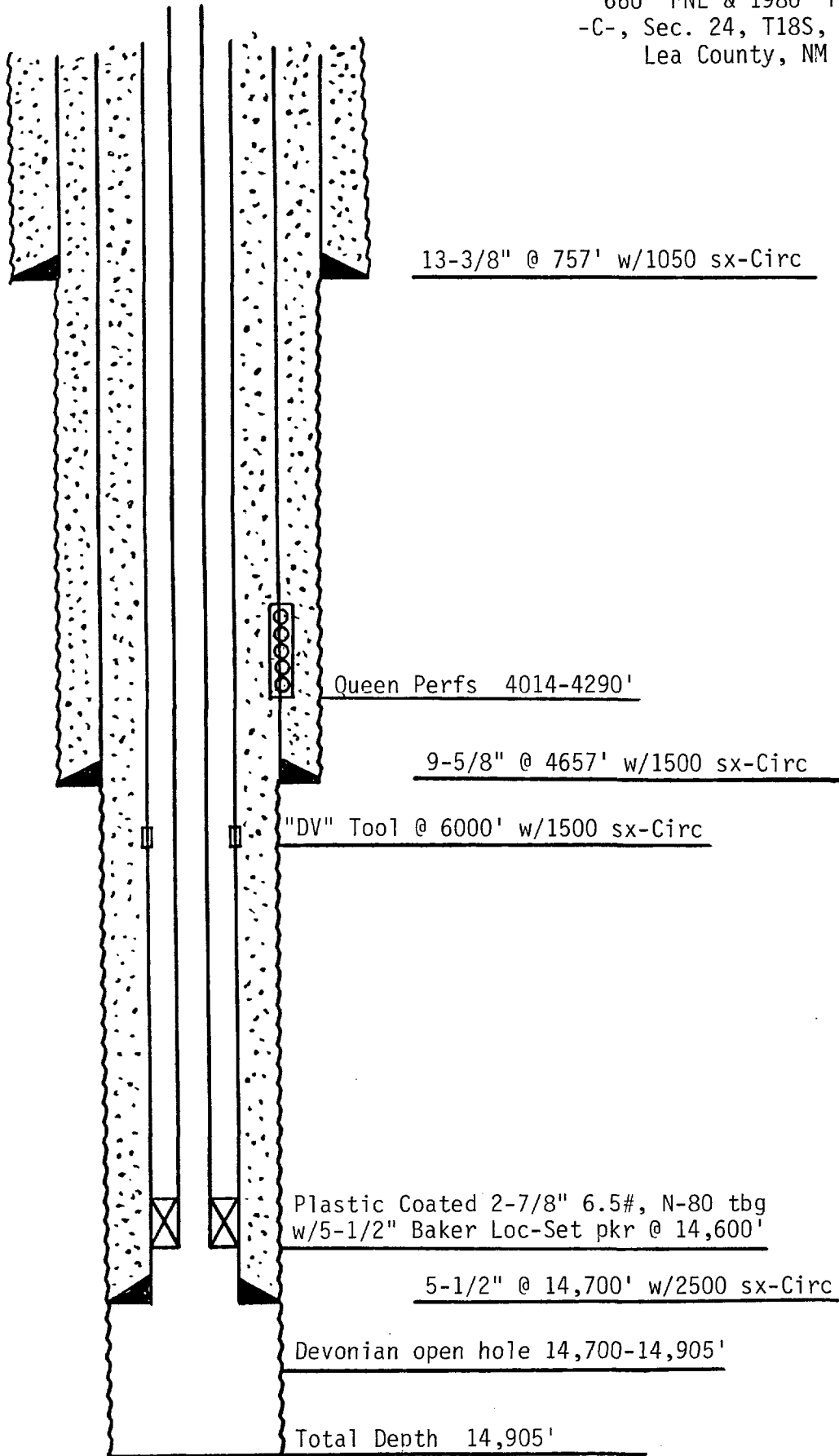
BTA OIL PRODUCERS

Cinco de Mayo Fed. No. 1

660' FNL & 1980' FWL

-C-, Sec. 24, T18S, R32E

Lea County, NM



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN Workover

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SWD SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 BTA Oil Producers

3. ADDRESS AND TELEPHONE NO.
 104 S. Pecos, Midland, TX 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 660' FNL & 1980' FWL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 8 miles South from Maljamar

16. NO. OF ACRES IN LEASE
 160

17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1980

19. PROPOSED DEPTH
 14905

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3802' GR

22. APPROX. DATE WORK WILL START*
 8-1-91

5. LEASE DESIGNATION AND SERIAL NO.
 NM392867

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
 Cinco de Mayo Fed #1

9. API WELL NO.
 30-025-00869

10. FIELD AND POOL, OR WILDCAT
 Undesignated Devonian

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 24, T18S, R32E

12. COUNTY OR PARISH
 Lea

13. STATE
 N.M.

EXISTING PROPOSED CASING AND CEMENTING PROGRAM


SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13-3/8	48.5	757	1050 - Circ Surface
10-3/4	9-5/8	42	4657	1500 - Circ Surface
Proposed 8-1/4	5-1/2	17 & 20	14700	2500 - Circ

SWD Order No. R-5287

Proposed Procedure:

1. Move in & Rig up Drilling Rig.
2. Drill Cmt & CIBP @ 4325'.
3. Drill Cmt plugs as follows: 4900-5000', 6290-6390', 6900-7000', 8300-8400', 10210-310', 10550-650', 12100-200', 13175-375', 14000-100', 14680-905'.
4. Circulate & run 5-1/2" 17# & 20# csg to 14700', Cmt first stage w/2500 sx & circ to DV tool @ 6000', Cmt 2nd stage thru DV tool @ 6000' w/1500 sx & circ cmt to surface.
5. Drill out DV tool @ 6000' & packer shoe @ 14700', run bit to TD @ 14905'.
6. Run 5-1/2" Baker Loc-Set packer on 2-7/8" 6.5# N-80 plastic coated tbg. set packer @ 14600'.
7. Acidize (Devonian) open hole 14700'-14905' w/2000 gals.
8. Commence water disposal operations.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM/ If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.  REGULATORY ADMINISTRATOR DATE 6-21-91

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
 CONDITIONS OF APPROVAL IF ANY:

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

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

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

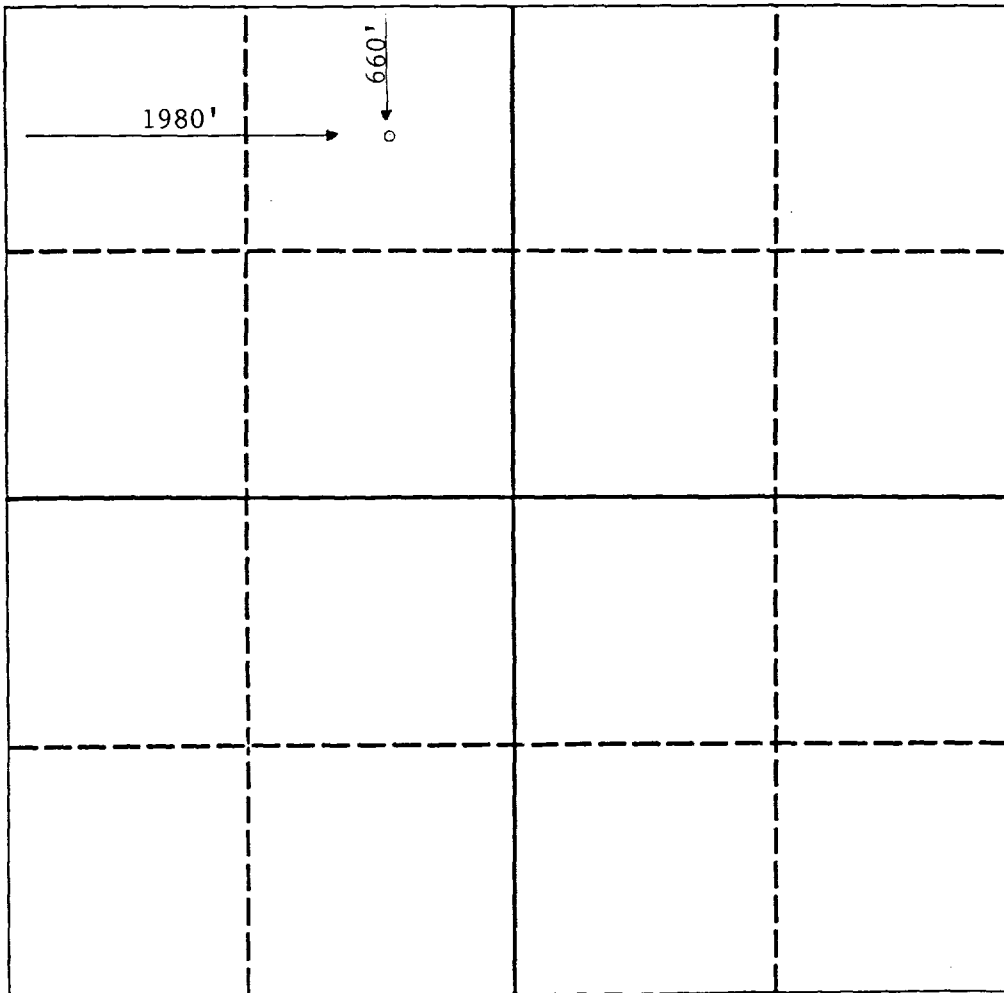
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator BTA Oil Producers			Lease Cinco de Mayo Fed			Well No. 1		
Unit Letter C	Section 24	Township 18S	Range 32E	County NMPM		Lea		
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the West line								
Ground level Elev. 3802		Producing Formation Inj - Devonian			Pool Undesignated		Dedicated Acreage: Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation _____
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary). _____
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Dorothy Houghton

Printed Name
Dorothy Houghton

Position
Regulatory Administrator

Company
BTA Oil Producers

Date
6-20-91

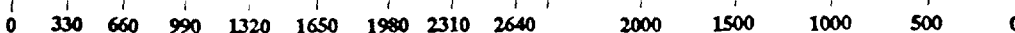
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.



PEARSALL (ONS) UNIT
LARUE-MUNCY (OPER)

U.S. Young Deep Fed
H.E. Yates
6-1-84
20971
Chevron HBP 22642
Amoco HBP 40454
Chevron HBP 22642
U.S. Williams & Son Cattle Co.

Amoco HBP 40450
Meridian HBP 84885
Chevron HBP 22642
Amoco HBP 40452
Meridian HBP 84885
U.S. Williams & Son Cattle Co.

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Meridian HBP 84885
Chevron HBP 22642
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Meridian HBP 84885
Chevron HBP 22642
Amoco HBP 40452
Meridian HBP 84885
U.S. Williams & Son Cattle Co.

CENTRAL CORBIN
QUEEN UNIT
OXY (OPER)
Nyall Fed
U.S. o

Meridian HBP 84885
U.S. Williams & Son Cattle Co.
YOUNG DEEP UT
YATES PET. (OPER)

Meridian HBP 84885
U.S. Williams & Son Cattle Co.
YOUNG DEEP UT
YATES PET. (OPER)

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Meridian HBP 84885
U.S. Williams & Son Cattle Co.
YOUNG DEEP UT
YATES PET. (OPER)

BTA Oil Producers
Cinco de Mayo Fed
Well No. 1
Lea County, New Mexico

Surface Owner
Federal: BUREAU OF LAND MANAGEMENT
P. O. Box 1778
Carlsbad, NM 88220-1778

Offset Leasehold Operators within one-half mile of the well location:

MEWBOURNE OIL COMPANY
P. O. Box 5270
Hobbs, New Mexico 88241

SANTA FE ENERGY
Operating Partners, L.P.
500 W. Illinois
Midland, Texas 79701

BULLDOG ENERGY CORPORATION
P. O. Box 668
Artesia, New Mexico 88211
Attn: Raye Miller

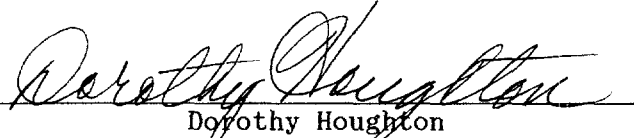
MERIDIAN OIL, INC.
21 Desta Drive
Midland, Texas 79705

HANLEY PETROLEUM, INC.
415 W. Wall, Suite 1500
Midland, Texas 79701

ENRON OIL & GAS COMPANY
P. O. Box 2267
Midland, Texas 79702

ESPERANZA ENERGY CORPORATION
17400 Dallas Pkwy., Suite 210
Dallas, Texas 75252

I hereby certify the above were mailed copies of our application to amend our injection depth by certified mail.


Dorothy Houghton



OIL CONSERVATION DIVISION
RECEIVED

MIDLAND PARTNERS
CARLTON BEAL
CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL

BTA OIL PRODUCERS
104 SOUTH PECOS
MIDLAND, TEXAS 79701
AC 915-682-3753

'91 JUL 1 11 00 AM '91
ROCKY MOUNTAIN DIVISION
555 17TH STREET
SUITE 835
DENVER, CO 80202
AC 303-292-9299

DENVER PARTNER
BARRY BEAL, JR.

June 26, 1991

RE: Amended Injection Depth
Cinco De Mayo Fed. #1-D
SWD Order No. R-5287
Unit C, Sec. 24, T18S, R32E
Lea County, New Mexico

STATE OF NEW MEXICO
Energy & Minerals Department
Oil Conservation Commission
P. O. Box 2088
Santa Fe, NM 87504-2088


Attn: Mr. David Catanach

Dear David:

Enclosed please find all notification receipt forms 3811 for the above referenced application dated June 21, 1991.

Should further information be required, please advise.

Sincerely,


DOROTHY HOUGHTON
For BTA Oil Producers

DH/pdi

Enclosures

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: BUREAU OF LAND MANAGEMENT P. O. Box 1778 Carlsbad, NM 88220-1778	4. Article Number P 377 879 408
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	B. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Betty Kott</i>	
7. Date of Delivery	

PS Form 3811, Apr. 1989

*U.S.G.P.O. 1989-238-815

• DOMESTIC RETURN RECEIPT



SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
MEWBOURNE OIL COMPANY
P. O. Box 5270
Hobbs, New Mexico 88241

4. Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	Article Number P 377 879 401
--	---------------------------------

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *Mary Jo Selman*

6. Signature - Agent
X

7. Date of Delivery
6-24-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
SANTA FE ENERGY
Operating Partners, L.P.
500 W. Illinois
Midland, Texas 79701

4. Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	Article Number P 377 879 402
--	---------------------------------

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X

6. Signature - Agent
X *Wanda Wade*

7. Date of Delivery
6-24-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to: **PELDOG ENERGY CORPORATION**
 P. O. Box 668
 Artesia, New Mexico 88211
 Attn: Raye Miller

4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD	Article Number P 377 879 403
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Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X

6. Signature - Agent
X *W. M. Churg*

7. Date of Delivery
6-24-91

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

1, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to: **HANLEY PETROLEUM, INC.**
 415 W. Wall, Suite 1500
 Midland, Texas 79701

4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD	Article Number P 377 879 405
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Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *W. M. Dennis*

6. Signature - Agent
X

7. Date of Delivery
6-24-91

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to: **MERIDIAN OIL, INC.**
 21 Desta Drive
 Midland, Texas 79705

4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD	Article Number P 377 879 404
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Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X

6. Signature - Agent
X *P. Hood*

7. Date of Delivery
6-22-91

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

1, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to: **ENRON OIL & GAS COMPANY**
 P. O. Box 2267
 Midland, Texas 79702

4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD	Article Number P 377 879 406
--	--	---------------------------------

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X

7. Date of Delivery
JUN 25 1991

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

<p>SENDER: Complete items 1, 2, 3 and 4.</p> <p>Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.</p>	
1. <input type="checkbox"/> Show to whom, date and address of delivery.	
2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to: ESPERANZA ENERGY CORPORATION 17400 Dallas Pkwy., Suite 210 Dallas, Texas 75252	
4. Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	Article Number P 377 879 407
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	
6. Signature - Agent: X <i>[Signature]</i>	
7. Date of Delivery <i>6-24-91</i>	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE '91 JUL 1 AM 10 18

6-25-91

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

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

RE: Proposed:

- MC _____
- DHC _____
- NSL _____
- NSP _____
- SWD Amend
- WFX _____
- PMX _____

Gentlemen:

I have examined the application for the:

BTA oil producers Cincos de Mayo Fed. #1-C 24-18-32
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed



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

BRUCE KING
GOVERNOR

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

March 28, 1991

BTA Oil Producers
104 South Pecos
Midland, TX 79701

Attention: Dorothy Houghton

*RE: Injection Pressure Increase
Cinco de Mayo Fed. No. 1
Lea County, New Mexico*

Dear Ms. Houghton:

Reference is made to your request dated February 11, 1991, to increase the surface injection pressure on the Cinco de Mayo Federal Well No. 1. This request is based on a step rate test conducted on the well on February 8, 1991. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well.

WELL AND LOCATION

MAXIMUM INJECTION
SURFACE PRESSURE

Cinco de Mayo Federal Well No. 1
Unit C, Section 24, Township 18 South,
Range 32 East, NMPM, Lea County,
New Mexico

1090 PS16

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay
Director

cc: Oil Conservation Division - Hobbs
File: Case No. 5755
D. Catanach
R. Brown

NO WAITING PERIOD

COMPANY: BTA Oil Producers
ADDRESS: 104 South Loop
CITY, STATE, ZIP: Midland, Texas 79701
ATTENTION: Dorothy Hoaghton

Re: Injection Pressure Increase

Cinco de ~~Mayo~~ ^{Mayo} Fed No. 1

Lea County, New Mexico

Dear Sir:

Reference is made to your request dated February 11, 1991, to increase the surface injection pressure on the Cinco de Mayo Federal Well No. 1. This request is based on a step rate test conducted on the well on February 8, 1991. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

<u>Well & Location</u>	<u>Maximum Injection Surface Pressure</u>
<u>Cinco de Mayo Federal Well No. 1</u> <u>Unit C, Section 24, T-18R East, R-32 East, W-11N</u> <u>Lea County, New Mexico</u>	<u>1090 PSIG</u>

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

XC: T. GALLEGOS R. Brown
D. CATANACH
FILE- Case No. 5755
OCD- Hobbs



MIDLAND PARTNERS
CARLTON BEAL
CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL

DENVER PARTNER
BARRY BEAL, JR.

BTA OIL PRODUCERS

104 SOUTH PECOS
MIDLAND, TEXAS 79701
AC 915-682-3753

ROCKY MOUNTAIN DIVISION
558-17TH STREET
SUITE 835
DENVER, CO 80202
AC 303-292-9299

February 11, 1991

RE: Cinco de Mayo Fed. SWD #1-C
Order No. R-5287 (9-28-76)
Sec. 24, T18S, R32E
Lea County, NM

STATE OF NEW MEXICO
Energy & Minerals Department
Oil Conservation Commission
P. O. Box 2088
Santa Fe, NM 87504-2088

Attn: Mr. David Catanach

David:

BTA purchased the above referenced SWD well from Frostman Oil Corp. effective 11/01/90.

A scheduled bradenhead test was conducted on 11/27/90 with an injection pressure, when operating, of 1700 psi.

On February 8, 1991, the attached step rate test was conducted by The Western Company.

BTA hereby requests the maximum wellhead injection pressure allowed be increased to 1800 psig, based on the results of this test. If further information is required, please call.

Sincerely,

DOROTHY HOUGHTON
For BTA Oil Producers

DH/pdi

Attachment

cc: Jerry Sexton
Hobbs District Office



Southwest Region

B. T. A. OIL PRODUCERS
CINCO de MAYO FEDERAL # 1 SWD
SEC. 24 - T18S -, R32E
QUEEN SAND 4016' - 4294'
PACKER @ 3948' - 2-7/8" TUBING

3130
1140

Tubing loaded with 10.0 lb/gal brine

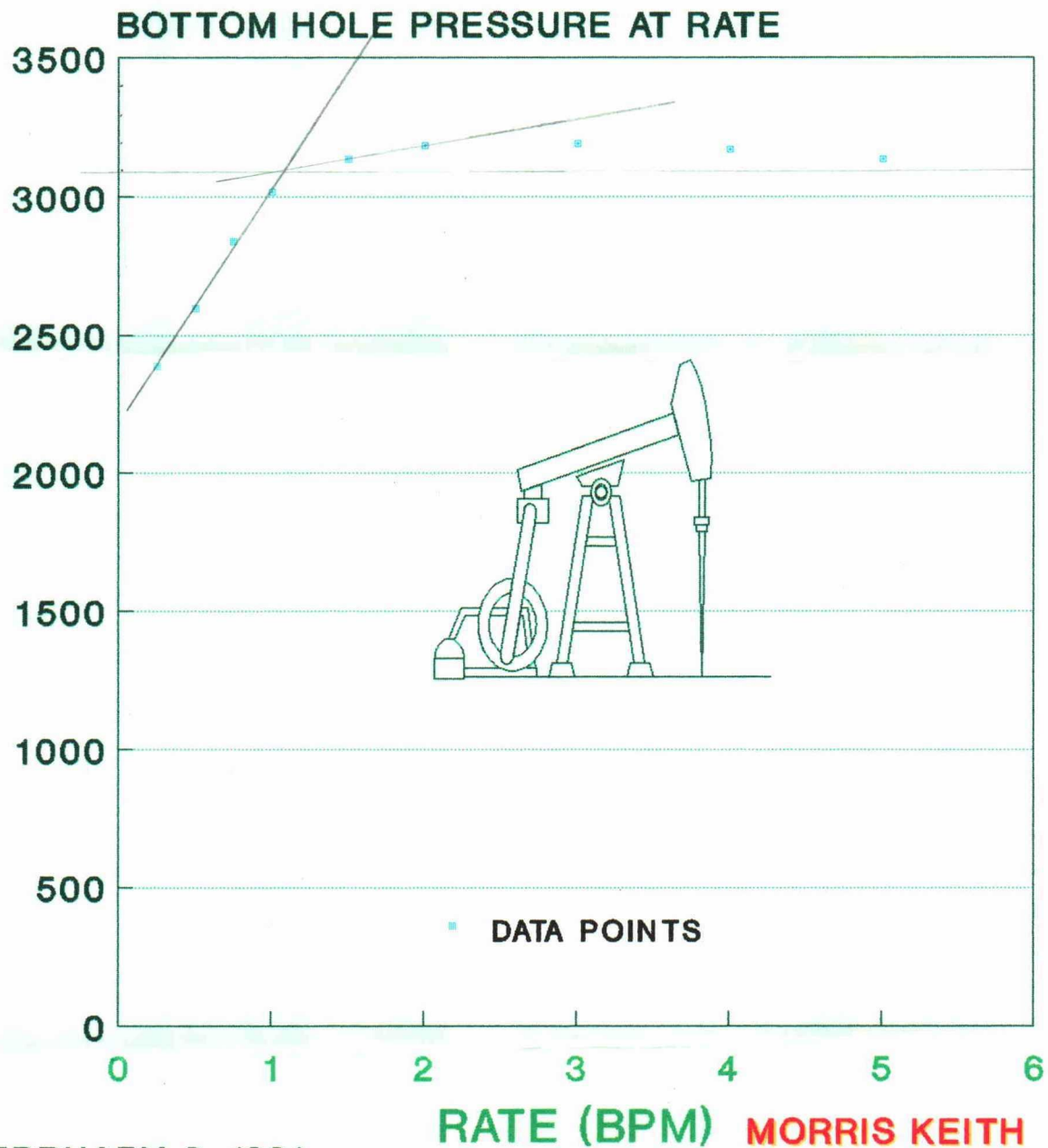
Test performed with 9.59 lb/gal salt water

100 psi initial wellhead pressure

<u>Rate (bpm)</u>	<u>Stage Time Minutes</u>	<u>Stage Bbls Pumped</u>	<u>Surface Treating Pressure (psi)</u>	<u>Hydrostatic Head (psi)</u>	<u>Total Friction Pressure (psi)</u>	<u>Bottom Hole (psi)</u>
.25	12	3	300	2088	4	2384
.50	12	6	550	2057	12	2595
.75	20	15	850	2017	32	2835
1.0	15	15	1050	2003	40	3013
1.5	10	15	1200	2003	71	3132
2.0	9	18	1300	2003	122	3181
3.0	4	12	1450	2003	265	3188
4.0	2.5	10	1600	2003	434	3169
5.0	2	10	1800	2003	671	3132
		<u>104</u>				

STEP-RATE TEST

BTA Oil Producers



FEBRUARY 8, 1991

Cinco de Mayo Federal #1 SWD

MORRIS KEITH

THE WESTERN COMPANY

HOBBS DISTRICT 505-392-5555



OIL CONSERVATION DIVISION
 RECEIVED
 ENERGY AND MINERALS DEPARTMENT
 91 FEB 22 AM 9:40

STATE OF NEW MEXICO
 OIL CONSERVATION DIVISION
 HOBBS DISTRICT OFFICE
 February 18, 1991

BRUCE KING
 GOVERNOR

POST OFFICE BOX 1980
 HOBBS, NEW MEXICO 88240
 (505) 393-6161

OIL CONSERVATION DIVISION
 P.O. BOX 2088
 SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

BTA Oil Producers	Cinco De Mayo Fed SWD #1-C	24-18-32
Operator	Lease & Well No. Unit	S-T-R

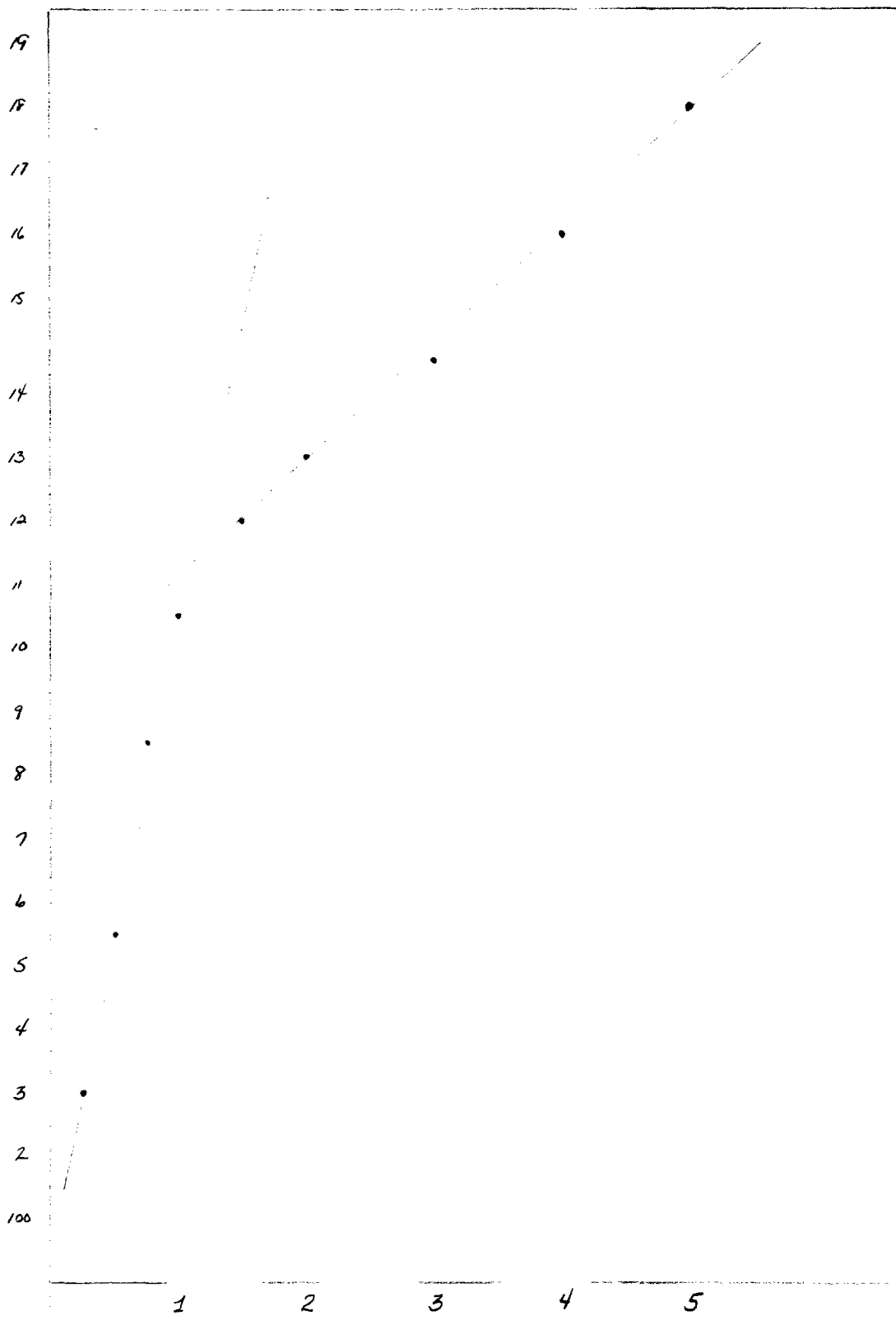
and my recommendations are as follows:


I RICK FAVORABLE PRESSURE AT APPROX 3150 BOTTOM H.P

Very truly yours.

[Signature]
 Jerry Sexton
 Supervisor, District I

/bp





 NATIONAL BUREAU OF ECONOMIC RESEARCH