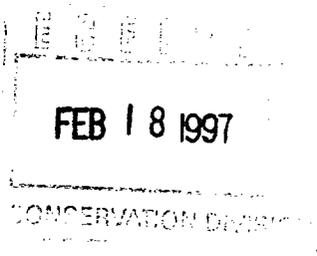


AMEND SWD 2/18/97

Mid-Continent Region  
Production United States



P.O. Box 552  
Midland, TX 79702-0552  
Telephone 915/682-1626



State of New Mexico  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico  
87505  
Attn: Mr Ben Stone

Re: Reinstatement SWD Permit No. 439  
Conversion to SWD in Devonian Formation  
Indian Basin "A" Well No. 1  
1650' FSL & 1650' FEL UL "J"  
Sec 22, T21S, R23E  
Eddy County, New Mexico

Dear Sir,

Marathon Oil Company obtained approval to convert the referenced well to SWD 10/28/91 as per the referenced SWD No. 439. The well was not converted and is presently temporarily abandoned. Due to increasing the water associated with our Co Production efforts additional water disposal capacity is urgently needed. Co Production is Marathon's term for artificially lifting large quantities of water to increase gas production.

The well will be completed in the same zone as the original permit but completion method will be different. A well bore diagram with the proposed completion is attached.

A map showing the Area of Review is also attached along. The proposed average and maximum injection rates; are increased to 12,000 BWPD and 15,000 BWPD respectively. The proposed maximum and average injection pressures are 1,000 PSIG and 2,080 PSIG respectively.

Also the original permit included data from the two wells listed below which was not necessary as neither met the conditions of Form 108 as being inside the AOR and penetrating the proposed injection zone. See attached plate showing distance and well TD.

You may call 1-800-351-1417 for clarification of any issues.

Sincerely

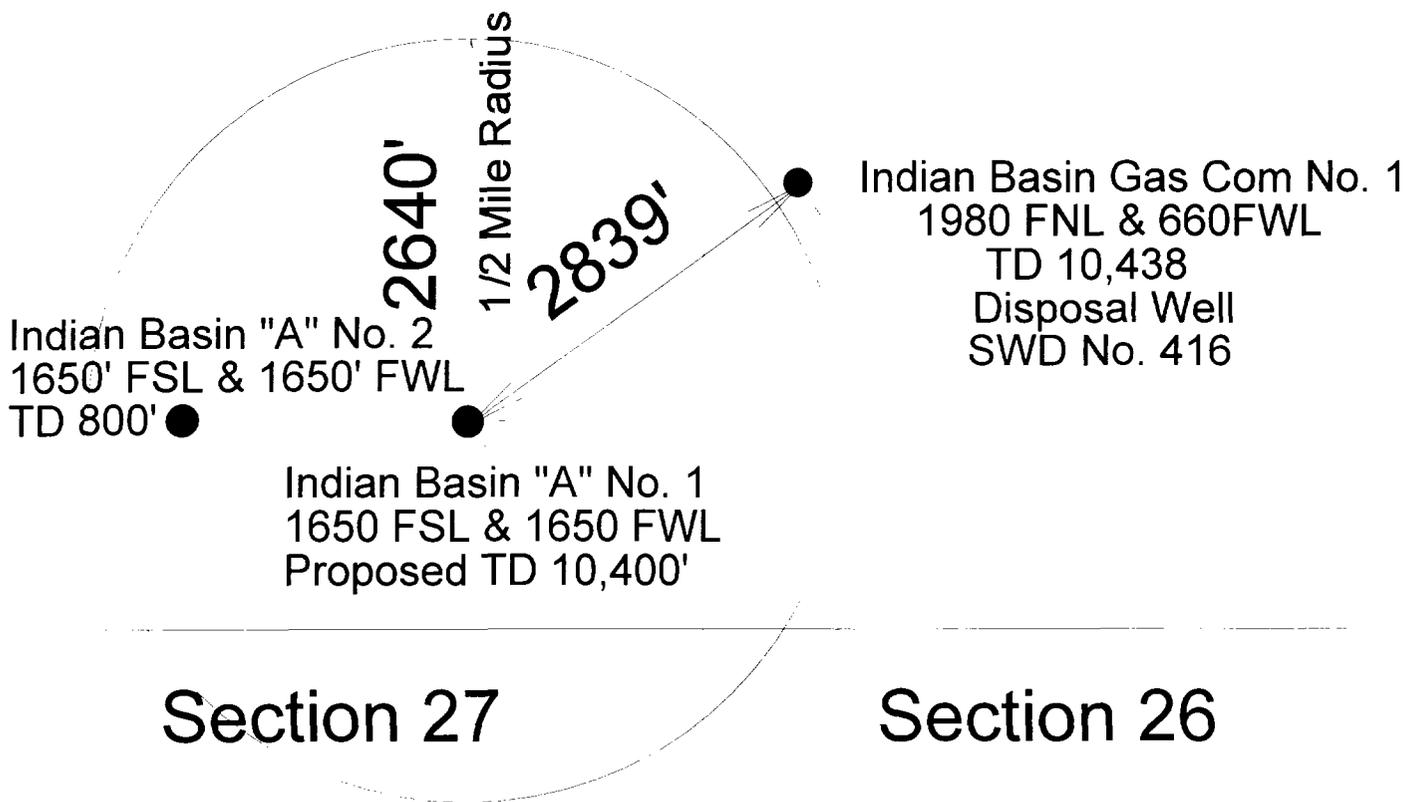
A handwritten signature in cursive script that reads 'Thomas M. Price'.

Thomas M. Price  
Advanced Engineering Technician

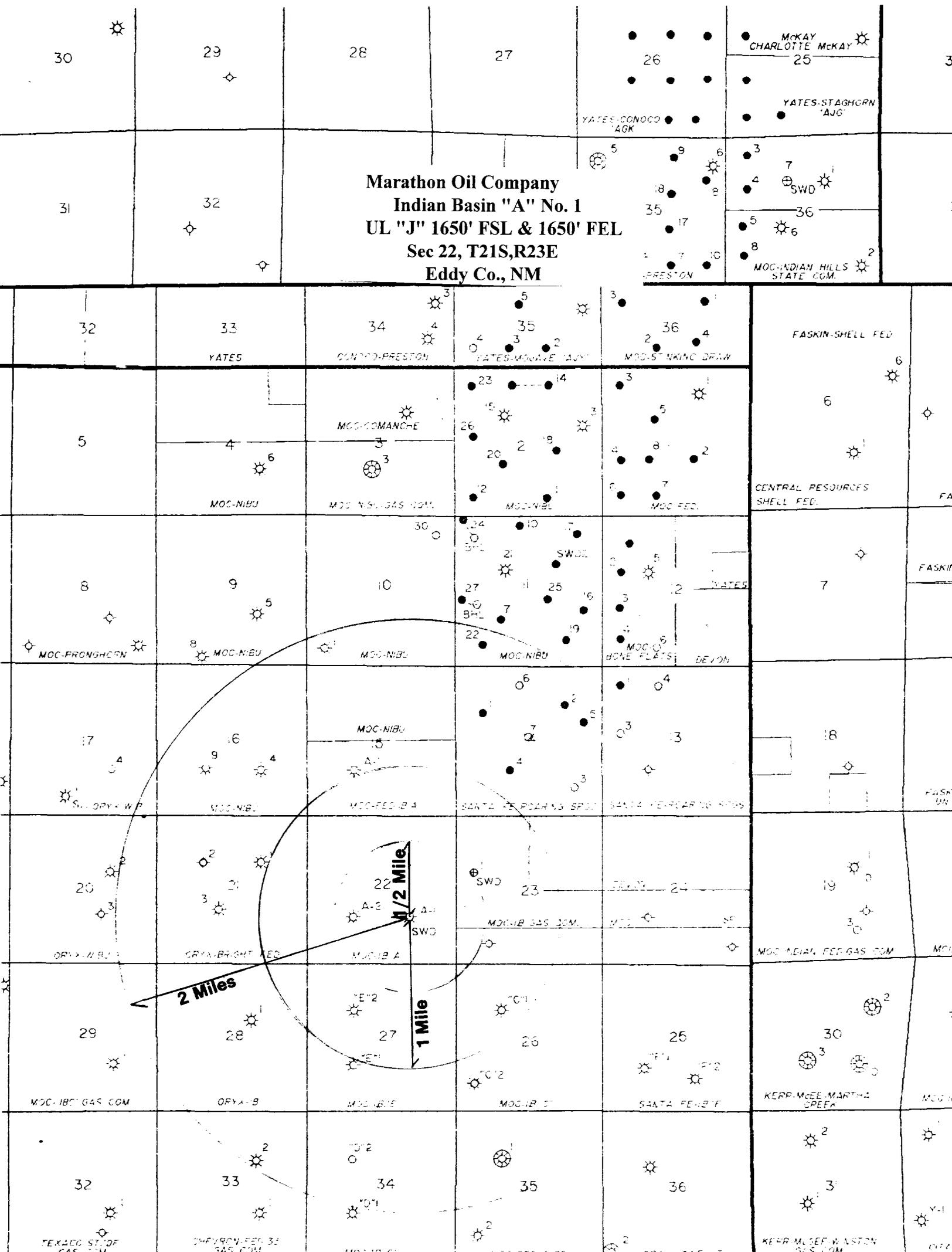
# Area of Review Indian Basin "A" No. 1 Proposed Disposal Well SWD Permit No. 439

Section 22

Section 23



**Marathon Oil Company**  
**Indian Basin "A" No. 1**  
**UL "J" 1650' FSL & 1650' FEL**  
**Sec 22, T21S, R23E**  
**Eddy Co., NM**



**2 Miles**

**1/2 Mile**

**1 Mile**

MCKAY CHARLOTTE MCKAY  
 25  
 YATES-STAGHORN 'AUG'  
 3  
 7 SWD  
 4  
 5  
 6  
 8  
 MCC-INDIAN HILLS STATE COM.  
 2

FASKIN-SHELL FED

CENTRAL RESOURCES SHELL FED.

YATES

DEVON

SANTA FE

DEVON

MCC-IB

SANTA FE

SANTA FE

KERR-MCEL-MARTHA-SPEER

KERR-MCEL-MARTHA-SPEER

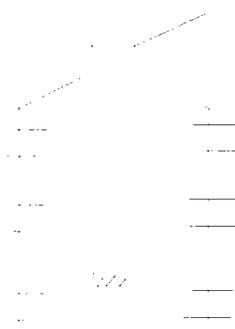
WELL DATA SHEET

INDIAN BASIN W. #1, 1922  
 SECTION 22, T11N, R14E  
 1650' N. & 1450' W.  
 EDDY COUNTY, NEW MEXICO

TD 4450'      10' 38" 1923

9-5/8"  
 2 1923'

9-3/8" 12' 10" 1923  
 1" & 1/2" 6' 0" 1923  
 1" 5' 0" 1923



PERFS 7350-54' TAD SQUEEZED W. 400X

PERFS 7360-64' TAD SQUEEZED W. 400X

PERFS: 7374'-84'



PERFS 7414'-18' TAD SQUEEZED W. 400X

PERFS 7438'-42' TAD SQUEEZED W. 400X



PERFS 9018-30' TAD

PERFS 9986-90' TAD



10' 38"  
 1923'

NOTE FISH-LEFT IN WELL FROM 9-1/2" & 9-3/8" 10' 38" & TUBING COLLAPSED IN 1923

INDIAN WIND 4 #1 UG  
SECTION 107 E 1/4 R40N  
1630' 10" & 100' 10" W  
EDDY CREEK NE 1/4 101A

9-5/8"  
1925'

88' 74-2  
Perforations 10' 11-100

2 3/8" 10 RD T30 wire  
1 & 2 sim hole down logs E 3' 10"  
Use V-H-R PRR 9-178



PERFS 7360-82 10' 11-100 10' 100X

PERFS 7360-82 10' 11-100 10' 100X

PERFS 7374-81

PERFS 7417-81 10' 11-100 10' 100X



PERFS 7505-78 10' 11-100 10' 100X

4 1/2" Sub Line 10' 11-100 10' 100X



4 1/2" 10' 11-100 Pure Reception  
7380'

PERFS 9118-81 10' 11-100

PERFS 9256-81 10' 11-100

7380'

4 1/2" 10' 11-100 Sub @ 10100