January 27, 2012

Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: William Jones

Re: Request for Increase in Maximum Surface Tubing Pressure
Order SWD-1310
Delaware Ranch SWD #1
Mewbourne Oil Company

Mr. Jones,

Pursuant to Order SWD-1310 dated December 14, 2011, Mewbourne Oil Company re-entered and deepened the Delaware Ranch SWD #1 to a depth of 4720 feet. The order allowed for water disposal into the Delaware formation at depths between 2670 feet and 4700 feet. However, at this time only the intervals between 4434 feet and 4584 feet have been perforated.

We are requesting that the maximum surface tubing pressure be increased to **887 psi** reflecting the actual top perforation (0.2 psi/ft x 4434 ft). The current maximum pressure allowed under the original order is 534 psi. The increased pressure is required to meet the necessary disposal capacity for operations in the area. Additionally, it is our understanding that any further changes will require the necessary approval.

If you require additional information, please contact the undersigned at (432) 682-3715 or via email at drobison@mewbourne.com.

Sincerely,

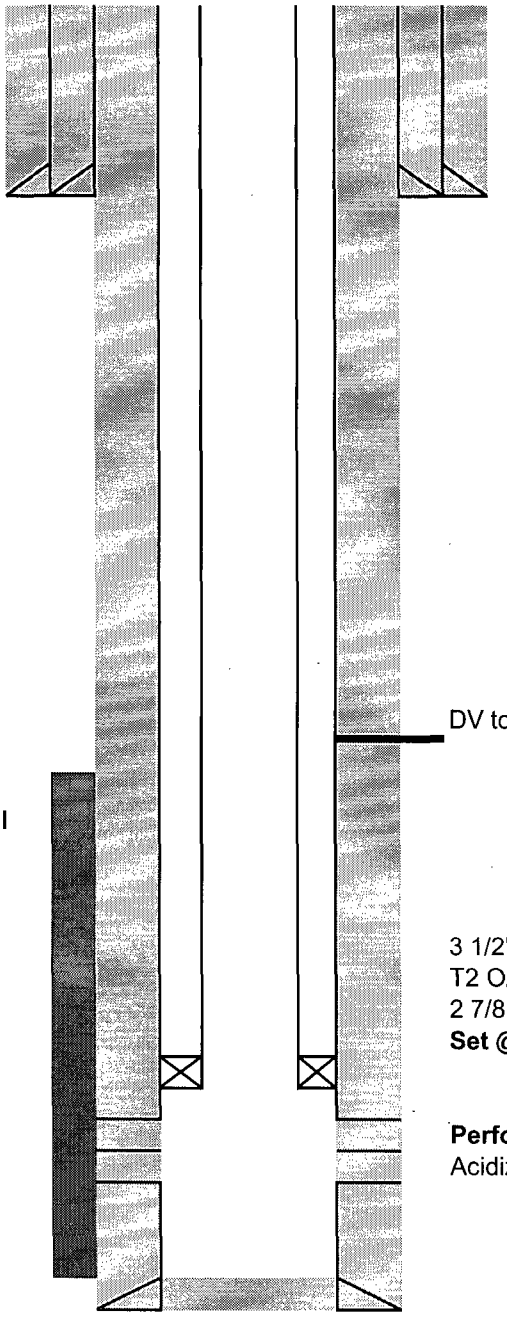
MEWBOURNE OIL COMPANY

Drew Robison
Reservoir Engineer

Mewbourne Oil Company
Delaware Ranch SWD #1
660 FSL & 660 FEL Section 11-26S-28E
3001522734
Current Schematic
Date Updated: 1/30/11

10 3/4"
Set @ 306'
Pumped 100sx
circ to surface

8 5/8"
Set @ 232'
Pumped 100sx
circ to surface
*found hole in 10 3/4" csg during re-entry



DV tool @ 2516'

Order SWD-1310
Approved Injection Interval
2670'-4700'

3 1/2" J-55 9.3# IPC tbg
T2 O/O tool
2 7/8" x 5 1/2" Arrowset pkr
Set @ 4375'

Perforate 4434' - 4584'
Acidized w/ 10kgals 7 1/2% HCL

7 7/8" Hole
5 1/2" 17# J-55
Set @ 4720'
Cmt 1st Stage w/500 sx
Cmt 2nd Stage w/600 sx
*Circ 15 sx cmt to pit

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Friday, February 03, 2012 3:43 PM
To: 'Drew Robison'
Cc: Brooks, David K., EMNRD; Dade, Randy, EMNRD
Subject: RE: Request for Increase in Max Surface Injection Pressure (SWD-1310)

Tracking:

Recipient	Read
'Drew Robison'	
Brooks, David K., EMNRD	
Dade, Randy, EMNRD	Read: 2/3/2012 3:43 PM

Hello Drew,
I am drafting today the amended permit with the actual upper perf and the adjusted pressure limit.
You will have two permits on this same well.
They both expire two years from the date of issue (as per the specific language in the permits). If you decide before the first permit expires to add additional perforations uphole, then you can do that without repeating the notices to affected parties.

But let us know if that happens.

Regards,

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

-----Original Message-----
From: Drew Robison [mailto:drobison@Mewbourne.com]
Sent: Monday, January 30, 2012 6:50 AM
To: Jones, William V., EMNRD
Subject: RE: Request for Increase in Max Surface Injection Pressure (SWD-1310)

Mr. Jones,
One other question... If we receive authorization to increase the surface pressure, what will we have to do in the future to add uphole perforations that fall within the interval of the original order. Is this something we can do with a quick letter and wellbore schematic?

Thanks,
Drew

Hello Drew,
Would you also send a quick, simple wellbore sketch showing the casing, packer setting depth, and current perforations?

Thank You Sir,

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

-----Original Message-----
From: Drew Robison [mailto:drobison@Mewbourne.com]
Sent: Friday, January 27, 2012 12:30 PM
To: Jones, William V., EMNRD
Subject: Request for Increase in Max Surface Injection Pressure (SWD-1310)

(See attached file: Max Surface Pressure Increase Letter (SWD-1310).pdf)

Mr. Jones,
Attached is a letter requesting an increase in the maximum surface injection pressure of the Mewbourne Delaware Ranch SWD #1. We are making this request only to reflect the actual perforations using the standard gradient (0.2 psi/ft). Please let me know if you have any additional questions or require any additional information.

Thanks,
Drew

(Embedded image moved to file: pic02513.gif)

Drew Robison
Reservoir Engineer
Mewbourne Oil Company
500 W. Texas, Suite
1020
Midland, Tx 79701 US