

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

OIL CONSERVATION DIVISION

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

JAN 12 '95

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-015-21803                                                                        |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>L-3358                                                              |
| 7. Lease Name or Unit Agreement Name<br>Nash Unit                                                   |
| 8. Well No.<br>#6                                                                                   |
| 9. Pool name or Wildcat<br>Nash Draw Brushy Canyon                                                  |
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.)<br>3016' GL                                      |

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

|                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Type of Well:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                                                                                               |
| 2. Name of Operator<br>Strata Production Company                                                                                                                                                                                |
| 3. Address of Operator<br>P.O. Box 1030, Roswell, New Mexico 88202-1030                                                                                                                                                         |
| 4. Well Location<br>Unit Letter <u>E</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>330</u> Feet From The <u>West</u> Line<br>Section <u>18</u> Township <u>23 South</u> Range <u>30 East</u> NMPM <u>Eddy</u> County |

|                                                                               |                                                     |
|-------------------------------------------------------------------------------|-----------------------------------------------------|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data |                                                     |
| NOTICE OF INTENTION TO:                                                       | SUBSEQUENT REPORT OF:                               |
| PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>                     | REMEDIAL WORK <input type="checkbox"/>              |
| TEMPORARILY ABANDON <input type="checkbox"/>                                  | ALTERING CASING <input type="checkbox"/>            |
| PULL OR ALTER CASING <input type="checkbox"/>                                 | COMMENCE DRILLING OPNS. <input type="checkbox"/>    |
| OTHER: <input type="checkbox"/>                                               | PLUG AND ABANDONMENT <input type="checkbox"/>       |
|                                                                               | CASING TEST AND CEMENT JOB <input type="checkbox"/> |
|                                                                               | OTHER: <input type="checkbox"/>                     |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Strata Production Company requests approval to recompleat said well as set out in the attached Workover Procedure.

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

SIGNATURE Carol J. Garcia TITLE Production Records Manager DATE 1/11/95  
TYPE OR PRINT NAME Carol J. Garcia TELEPHONE NO. 505-622-1127

(This space for State Use)

SUPERVISOR, DISTRICT II

FEB 1 1995

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**NASH DRAW #6**  
**SECTION 18-T23S-R30E**  
**NASH DRAW BRUSHY CANYON FIELD**  
**LEA COUNTY, NEW MEXICO**

**WORKOVER PROCEDURE**  
September 26, 1993

"K" Zone Completion

If the results of the "K" zone completion in the #5 well are successful, the "K" zone will be tested in the #6 well. This procedure will be modified depending on the results of the #5 workover.

"I" Zone Completion

- 1) R.U. completion unit, N.D. wellhead and P.O.H. with rods and pump. Install B.O.P. and P.O.H. with tubing.
- 2) Set two (2) 500 bbl. frac tanks and load with treated 2% KCL water with 1 gallon per 1000 gallons surfactant.
- 3) T.I.H. with 5 1/2" R.B.P. and packer. Set R.B.P. at +/- 6650', load casing and test R.B.P. to 1000 psi. Approximate casing volume is 160 bbls.
- 4) Spot two (2) barrels of 7 1/2% NEFE acid at 6590'. P.O.H. with tubing and packer.
- 5) Perforate 6581'-6586', 2 SPF, 11 shots, .42" diameter, casing gun. Correlate to CNL log dated June 10, 1993.
- 6) P.U. 5 1/2" Packer and G.I.H. to +/- 6525'. Set packer and pressure annulus to 1000 psi. Break down perfs and establish a rate. Open by-pass and spot acid to the end of the tubing, trap 1000 PSI on annulus. Acidize with 500 gallons 7 1/2% NEFE acid with 22 7/8" RCN ball sealers in the first 300 gallons, 3 balls sealers per barrel. Rate 3 to 5 BPM, ballout at 1000 psi above pump-in pressure. Maximum pressure 5000 psi. Release ballsealers and displace acid.
- 7) Swab or flow to recover load and test. If oil cut is > 25% prepare to fracture stimulate.
- 8) Frac "I" zone with 4,650 gallons WF140 carrying 3,000 pounds of AcFRAC PR 20/40 sand. Rate 6 to 8 bpm anticipated surface pressure 2000 psi, maximum pressure 5000 psi. Flush with tubing volume, approximate displacement volume to the perfs is

39.5 bbls, do not over flush. Treatment schedule:

4,000 gallons Bracketfrac  
2,000 gallons PAD  
200 gallons at 1 PPG PR 20/40 sand  
200 gallons at 2 PPG PR 20/40 sand  
600 gallons at 4 PPG PR 20/40 sand  
1,650 gallons flush

Gross height 36 feet, net height 8 feet, estimated propped half-length 100 feet.

- 9) Shut-in to allow gel to break. Open well and flow or swab to recover load and test
- 10) Clean sand off R.B.P. Move R.B.P. to +/- 6450 ft. Set and test to 1000 psi.

#### "H" Zone Completion

- 11) Spot two (2) barrels of 7 1/2% NEFE acid at 6400'. P.O.H. with tubing and packer.
- 12) Perforate 6385'-6400', 1 SPF, 16 shots, .42" diameter, casing gun.
- 13) P.U. 5 1/2" Packer and G.I.H. to +/- 6300'. Set packer and pressure annulus to 1000 psi. Break down perfs and establish a rate. Open by-pass and spot acid to the end of the tubing, trap 1000 PSI on annulus. Acidize with 1500 gallons 7 1/2% NEFE acid with 32 7/8" RCN ball sealers in the first 500 gallons, 1 to 2 balls sealers per barrel. Rate 3 to 5 BPM, ballout at 1000 psi above pump-in pressure. Maximum pressure 5000 psi. Release ballsealers and displace acid.
- 14) Swab or flow to recover load and test. No Frac treatment is planned for this zone.
- 15) Move R.B.P. to +/- 6100 ft. Set and test to 1000 psi.

#### "F-2" Zone Completion

- 16) Spot two (2) barrels of 7 1/2% NEFE acid at 6020'. P.O.H. with tubing and packer.
- 17) Perforate 6018'-6020', 2 SPF, 5 shots, .42" diameter, casing gun.  
Perforate 5958'-5960', 1 SPF, 3 shots, .42" diameter, casing gun.  
Perforate 5922'-5925' & 5927'-5935', 2 SPF, 24 shots, .42" diameter, casing gun.
- 18) P.U. 5 1/2" Packer and G.I.H. to +/- 5980'. Set packer and load annulus, do not pressure up. Break down perfs and establish a rate. Open by-pass and spot acid to the end of the tubing. Acidize 6018'-6020' with 500 gallons 7 1/2% NEFE acid with 10 7/8" RCN ball sealers in the first 300 gallons, 1 to 2 ball sealers per barrel. Rate 3 BPM, ballout at 1000 psi above pump-in pressure. Maximum pressure 5000 psi differential calculated from fluid

level. Release ballsealers and displace acid.

- 19) Swab test. Recover load and move to next zone as soon as possible
- 20) Move RBP to +/- 5980'. Set packer at +/- 5945' and load annulus, do not pressure up.
- 21) Break down perfs and establish a rate. Open by-pass and spot acid to the end of the tubing. Acidize 5958'-5960' with 500 gallons 7 1/2% NEFE acid with 6 7/8" RCN ball sealers in the first 300 gallons, 1 ball sealers per barrel. Rate 3 BPM, ballout at 1000 psi above pump-in pressure. Maximum pressure 5000 psi differential calculated from fluid level. Release ballsealers and displace acid.
- 22) Swab test. Recover load and move to next zone as soon as possible.
- 23) Move RBP to +/- 5945'. Set packer at +/- 5875' and load annulus and pressure up to 1000 psi. Break down perfs and establish a rate. Open by-pass and spot acid to the end of the tubing. Acidize 5922'-5935' with 750 gallons 7 1/2% NEFE acid with 48 7/8" RCN ball sealers in the first 500 gallons, 4 ball sealers per barrel. Rate 3 to 5 BPM, ballout at 1000 psi above pump-in pressure. Maximum pressure 5000 psi.
- 24) Swab test.
- 25) Move R.B.P. to +/- 5800 ft. Set and test to 1000 psi.

#### "D-4" Zone Completion

- 26) Spot two (2) barrels of 7 1/2% NEFE acid at 5770'. P.O.H. with tubing and packer.
- 27) Perforate 5758'-5764', 2 SPF, 13 shots, .42" diameter, casing gun.
- 28) P.U. 5 1/2" Packer and G.I.H. to +/- 5650'. Set packer and pressure annulus to 1000 psi. Break down perfs and establish a rate. Open by-pass and spot acid to the end of the tubing, trap 1000 PSI on annulus. Acidize with 750 gallons 7 1/2% NEFE acid with 26 7/8" RCN ball sealers in the first 500 gallons, 2 balls sealers per barrel. Rate 3 to 5 BPM, ballout at 1000 psi above pump-in pressure. Maximum pressure 5000 psi. Release ballsealers and displace acid.
- 29) Swab or flow to recover load and test. If oil cut is > 25% prepare to frac.
- 30) Frac "D-4" zone with 6,180 gallons WF140 carrying 3,000 pounds of AcFRAC PR 20/40 sand. Rate 6 to 8 bpm anticipated surface pressure 2000 psi, maximum pressure 5000 psi. Flush with tubing volume, approximate displacement volume to the perfs is 34 bbls, do not over flush. Treatment schedule:

4,000 gallons Bracketfrac

2,000 gallons PAD  
200 gallons at 1 PPG PR 20/40 sand  
200 gallons at 2 PPG PR 20/40 sand  
600 gallons at 4 PPG PR 20/40 sand  
1,430 gallons flush

Gross height 28 feet, net height 10 feet, estimated propped half-length 150 feet.

- 31) Shut-in to allow gel to break. Open well and flow or swab to recover load and test
- 32) Clean sand off R.B.P. Move R.B.P. to +/- 5525 ft. Set and test to 1000 psi.

"C-Lower" Zone Completion

- 33) Spot two (2) barrels of 7 1/2% NEFE acid at 5490'. P.O.H. with tubing and packer.
- 34) Perforate 5485'-5489', 2 SPF, 15 shots, .42" diameter, casing gun.
- 35) P.U. 5 1/2" Packer and G.I.H. to +/- 5400'. Set packer and pressure annulus to 1000 psi. Break down perfs and establish a rate. Open by-pass and spot acid to the end of the tubing, trap 1000 PSI on annulus. Acidize with 750 gallons 7 1/2% NEFE acid with 18 7/8" RCN ball sealers in the first 400 gallons, 2 balls sealers per barrel. Rate 3 to 5 BPM, ballout at 1000 psi above pump-in pressure. Maximum pressure 5000 psi. Release ballsealers and displace acid.
- 36) Swab or flow to recover load and test. If oil cut is > 25% prepare to fracture stimulate.
- 37) Frac "C-Lower" zone with 6,730 gallons WF140 carrying 6,600 pounds of AcFRAC PR 20/40 sand. Rate 6 to 8 bpm anticipated surface pressure 2000 psi, maximum pressure 5000 psi. Flush with tubing volume, approximate displacement volume to the perfs is 32.4 bbls, do not over flush. Treatment schedule:

4,000 gallons Bracketfrac  
3,750 gallons PAD  
200 gallons at 1 PPG PR 20/40 sand  
200 gallons at 2 PPG PR 20/40 sand  
600 gallons at 4 PPG PR 20/40 sand  
600 gallons at 6 PPG Pr 20/40 sand  
1,380 gallons flush

Gross height 24 feet, net height 5 feet, estimated propped half-length 350 feet.

- 38) Shut-in to allow gel to break. Open well and flow or swab to recover load and test.
- 39) Clean sand off R.B.P. and P.O.H.

- 40) T.I.H. with production tubing, T.A.C., rods and pump. Set pump at +/- 6950 ft.
- 41) Return well to production and test. Monitor fluid levels and maximize fluid production.