NM [illegible], CONS COMMISSION
Drawer DD
Artesia, NM 88210

c/sf

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM-0556859-A

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation: Nash Unit

1. Type of Well: [XX] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: Nash Unit #11

2. Name of Operator: Strata Production Company

9. API Well No.: 30-015-27520

3. Address and Telephone No.: P.O. Box 1030, Roswell, New Mexico 88202-1030 505-622-1127

10. Field and Pool, or Exploratory Area: Nash Draw Brushy Canyon

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 498' FSL & 2000' FWL
Section 12-23S-29E

11. County or Parish, State: Eddy County, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| [XX] Notice of Intent | [ ] Abandonment | [ ] Change of Plans |
| [ ] Subsequent Report | [XX] Recompletion | [ ] New Construction |
| [ ] Final Abandonment Notice | [ ] Plugging Back | [ ] Non-Routine Fracturing |
| | [ ] Casing Repair | [ ] Water Shut-Off |
| | [ ] Altering Casing | [ ] Conversion to Injection |
| | [ ] Other _____ | [ ] Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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

RECEIVED
FEB 13 1995
OIL CON. DIV.
DIST. 2

14. I hereby certify that the foregoing is true and correct

Signed Carol J. Garcia Title Production Records Manager Date 1/11/95

(This space for Federal or State office use)

Approved by Orig. Signed by Adam Salameh Title Petroleum Engineer Date 2/8/95

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

# NASH DRAW #11
# SECTION 12-T23S-R29E
# NASH DRAW BRUSHY CANYON FIELD
# LEA COUNTY, NEW MEXICO

## WORKOVER PROCEDURE
**AUGUST 24, 1993**

"K" 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 +/- 6750', 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 6700'. P.O.H. with tubing and packer.

5) Perforate 6679, 80, 81, 83, 84, 85, 88, 89, 90, 94, 95, 96, 97, 98, 99, & 6700, 1 SPF, 17 shots, .42" diameter, select fire, casing gun. Correlate to CNL log dated June 25, 1993.

6) P.U. 5 1/2" Packer and G.I.H. to +/- 6600'. 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 34 7/8" RCN ball sealers in the first 1000 gallons, 4 balls sealers per 3 barrels. 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% and the zone is not communicated with the "L" zone prepare to fracture stimulate. If zones are communicated the frac treatment will be redesigned.

8) Frac "K" zone with 14,390 gallons WF140 carrying 21,800 pounds of AcFRAC PR 20/40 sand. Rate 8 to 10 bpm anticipated surface pressure 2000 psi, maximum pressure 5000 psi. Flush with tubing volume, approximate displacement volume to the perfs is 40.2 bbls, do not over flush. Treatment schedule:

7,500 gallons PAD
600 gallons at 1 PPG PR 20/40 sand

600 gallons at 2 PPG PR 20/40 sand
2,000 gallons at 4 PPG PR 20/40 sand
2,000 gallons at 6 PPG PR 20/40 sand
1,690 gallons flush

Gross height 80 feet, net height 15 feet, estimated propped half-length 230 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 +/- 6400 ft. Set and test to 1000 psi.

"H" Zone Completion

11) Spot two (2) barrels of 7 1/2% NEFE acid at 6310'. P.O.H. with tubing and packer.

12) Perforate 6298'-6303', 2 SPF, 11 shots, .42" diameter, casing gun.
Perforate 6280'-6284', 2 SPF, 9 shots, .42" diameter, casing gun.

13) P.U. 5 1/2" Packer and G.I.H. to +/- 6225'. 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 40 7/8" RCN ball sealers in the first 1000 gallons, 2 ball sealer 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. If oil cut is > 25% prepare to frac.

15) Frac "H" zone with 9,190 gallons WF140 carrying 10,900 pounds of AcFRAC PR 20/40 sand. Rate 8 to 10 bpm anticipated surface pressure 2000 psi, maximum pressure 5000 psi. Flush with tubing volume, approximate displacement volume to the perfs is 37.8 bbls, do not over flush. Treatment schedule:

4,000 gallons Bracketfrac
5,000 gallons PAD
300 gallons at 1 PPG PR 20/40 sand
300 gallons at 2 PPG PR 20/40 sand
1,000 gallons at 4 PPG PR 20/40 sand
1,000 gallons at 6 PPG PR 20/40 sand
1,590 gallons flush

Gross height 38 feet, net height 12 feet, estimated propped half-length 230 feet.

16) Shut-in to allow gel to break. Open well and flow or swab to recover load and test

17) Clean sand off R.B.P. Move R.B.P. to +/- 6000 ft. Set and test to 1000 psi.

"F-3" Zone Completion

18) Spot two (2) barrels of 7 1/2% NEFE acid at 5910'. P.O.H. with tubing and packer.

19) Perforate 5897'-5905', 2 SPF, 17 shots, .42" diameter, casing gun.

20) P.U. 5 1/2" Packer and G.I.H. to +/- 5800'. 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 34 7/8" RCN ball sealers in the first 500 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.

21) Swab or flow to recover load and test. If oil cut is > 25% prepare to fracture stimulate.

22) Frac "F-3" zone with 4,490 gallons WF140 carrying 3,000 pounds of AcFRAC PR 20/40 sand. Rate 5 to 6 bpm anticipated surface pressure 2000 psi, maximum pressure 5000 psi. Flush with tubing volume, approximately displacement volume to the perfs is 35.4 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
1,490 gallons flush

Gross height 40 feet, net height 13 feet, estimated propped half-length 100 feet.

23) Shut-in to allow gel to break. Open well and flow or swab to recover load and test.

24) Clean sand off R.B.P. and move to +/- 5500 ft. Set and test to 1000 psi.

"F-2" Zone Completion

25) Spot two (2) barrels of 7 1/2% NEFE acid at 5865'. P.O.H. with tubing and packer.

26) Perforate 5863'-5865'& 5806'-5809', 2 SPF, 12 shots, .42" diameter, casing gun.

27) P.U. 5 1/2" Packer and G.I.H. to +/- 5750'. 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 24 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.

28) Swab or flow to recover load. If the production rate is not satisfactory, micro frac the interval 5806'-5809'.

29) Move the RBP to +/- 5450 ft. Set and test to 1000 psi.

"C-2" Zone Completion

30) Spot two (2) barrels of 7 1/2% NEFE acid at 5420'. P.O.H. with tubing and packer.

31) Perforate 5405'-5416', 2 SPF, 23 shots, .42" diameter, casing gun.

32) P.U. 5 1/2" Packer and G.I.H. to +/- 5325'. 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 1000 gallons 7 1/2% NEFE acid with 46 7/8" RCN ball sealers in the first 750 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.

33) Swab or flow to recover load and test. If oil cut is > 25% prepare to fracture stimulate.

34) Frac "C-2" zone with 8,960 gallons WF140 carrying 10,900 pounds of AcFRAC PR 20/40 sand. Rate 8 to 10 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:

5,000 gallons PAD
300 gallons at 1 PPG PR 20/40 sand
300 gallons at 2 PPG PR 20/40 sand
1,000 gallons at 4 PPG PR 20/40 sand
1,000 gallons at 6 PPG PR 20/40 sand
1,360 gallons flush

Gross height 30 feet, net height 10 feet, estimated propped half-length 300 feet.

35) Shut-in to allow gel to break. Open well and flow or swab to recover load and test.

36) Clean sand off R.B.P. and move to 5100 ft. Set and test to 1000 psi.

"AAA" Zone Completion

37) Spot two (2) barrels of 7 1/2% NEFE acid at 5025'. P.O.H. with tubing and packer.

38) Perforate 5019'-5021', 2 SPF, 5 shots, .42" diameter, casing gun.

39) P.U. 5 1/2" Packer and G.I.H. to +/- 4950'. 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 10 7/8" RCN ball sealers in the first 300 gallons, 2 balls sealers per barrel. Rate 3 BPM, ballout at 1000 psi above pump-in pressure. Maximum pressure 5000 psi. Release ballsealers and displace acid.

40) Swab or flow to recover load and test.

41) Release R.B.P. and P.O.H.

42) T.I.H. with production tubing, T.A.C., rods and pump. Set pump at +/- 6950 ft.

43) Return well to production and test. Monitor fluid levels and maximize fluid production.