District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

# APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| [1] Operator Name and Address | [2] OGRID Number |
|---|---|
| CHEVRON MIDCONTINENT, L.P.<br>15 SMITH ROAD<br>MIDLAND, TEXAS 79705 | 241333 |
| | [3] API Number<br>30 – 025-30865 |

| [3] Property Code | [5] Property Name | [6] Well No. |
|---|---|---|
| 020714 | GENERAL G STATE | 3 |

| [9] Proposed Pool 1 | [10] Proposed Pool 2 |
|---|---|
| EUNICE MONUMENT;GRAYBURG-SAN ANDRES (23000) | |

## [7] Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| D | 16 | 20-S | 37-E | | 525' | NORTH | 600' | EAST | LEA |

## [8] Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## Additional Well Information

| [11] Work Type Code | [12] Well Type Code | [13] Cable/Rotary | [14] Lease Type Code | [15] Ground Level Elevation |
|---|---|---|---|---|
| P | OIL | | STATE | |
| **[16] Multiple** | **[17] Proposed Depth** | **[18] Formation** | **[19] Contractor** | **[20] Spud Date** |
| NO | ~~7797~~ 3900 | GRAYBURG | | |

| Depth to Groundwater | Distance from nearest fresh water well | Distance from nearest surface water |
|---|---|---|
| | | |

Pit: Liner: Synthetic ☐ ____ mils thick Clay ☐ Pit Volume:____ bbls
Closed-Loop System ☐

Drilling Method:
Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

## [21] Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|---|---|---|---|---|---|
| NO CHANGE | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON MIDCONTINENT, L.P. INTENDS TO RECOMPLETE THE SUBJECT WELL FROM THE TUBB POOL TO THE GRAYBURG RESERVOIR.

A PIT WILL NOT BE USED FOR THIS RECOMPLETION. A STEEL FRAC TANK WILL BE UTILIZED.

THE INTENDED PROCEDURE, CURRENT AND PROPOSED WELLBORE DIAGRAMS, TUBING LANDING DETAILS, AND PERFORATIONS ARE ATTACHED FOR YOUR APPROVAL.

Plugback

Received
Hobbs
OCD
2007

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Signature: Denise Pinkerton

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: LEAKEJD@CHEVRON.COM

Date: 01-15-2007 Phone: 432-687-7375

## OIL CONSERVATION DIVISION

Approved by: Chris Williams

Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date: FEB 13 2007 Expiration Date:

Conditions of Approval Attached ☐

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30-025-30865 | 23000 | EUNICE MONUMENT GRAYBURG SAN ANDRES |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| | GENERAL G STATE | 3 |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 241333 | CHEVRON MIDCONTINENT, L.P. | |

## [10] Surface Location

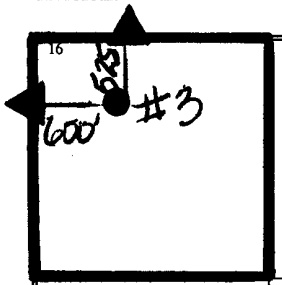
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| D | 16 | 20-S | 37-E | | 525' | NORTH | 600 | WEST | LEA |

## [11] Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| 40 | | | |

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.




## [17] OPERATOR CERTIFICATION

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Denise Pinkerton 01-15-2007
Signature Date

DENISE PINKERTON
Printed Name

## [18] 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 belief.*

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

**General G State #3** **01/12/2007**
**Eumont Field**
**T20S, R37E, Section 16**
**Job: PB To Grayburg Formation, Acidize, And Frac**

**Procedure:**

1. ***This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 1/11/2007. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.***

2. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.

3. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. POH LD rods and pump. Remove WH. Install BOP's and test as required. POH and LD 2-3/8" tbg.

4. PU and GIH with 4 ¾" MT bit and 2 7/8" WS to 6375'. Reverse circulate well clean from 6375' using 8.6 PPG cut brine water, if possible. POH with tbg string and bit. LD bit.

5. Install lubricator and test to 2000 psi. GIH and set 5 ½" CIBP at 6350'. POH. GIH and dump bail 35' of cement on top of CIBP at 6350'. POH

6. GIH and set 5 ½" CIBP at 5500'. POH. Pressure test casing and CIBP to 500 psi.

7. GIH and conduct GR/Compensated Neutron/CCL log from 5500' up to 2200'. POH. **Note: Fax log to Matt Wasson (687-7871) for correlation and picking perfs.** GIH and conduct GR/CBL/CCL from 5500' up to 100' above top of cement. Run log with 500 psi on casing. POH. Inspect logs for good cement bond from approximately 4100' up to 3400'. If bond does not appear to be good across proposed completion interval, discuss with Engineering before proceeding.

8. GIH with 3 1/8" slick casing guns and perforate the following intervals with 4 JSPF at 120 degree phasing using 23 gram premium charges:

| Top Perf | Bottom Perf | Net Feet | Total Holes |
|---|---|---|---|
| 3904 | 3914 | 10 | 40 |
| 3859 | 3867 | 8 | 32 |
| 3841 | 3848 | 7 | 28 |
| 3830 | 3835 | 5 | 20 |

| | | | |
|---|---|---|---|
| 3821 | 3825 | 4 | 16 |
| 3796 | 3804 | 8 | 32 |
| 3758 | 3761 | 3 | 12 |
| 3742 | 3750 | 8 | 32 |
| 3718 | 3728 | 10 | 40 |
| 3702 | 3710 | 8 | 32 |
| 3684 | 3694 | 10 | 40 |
| 3674 | 3680 | 6 | 24 |
| 3663 | 3670 | 7 | 28 |
| 3648 | 3654 | 6 | 24 |
| 3633 | 3643 | 10 | 40 |
| 3602 | 3612 | 10 | 40 |
| 3586 | 3594 | 8 | 32 |
| 3576 | 3580 | 4 | 16 |
| 3571 | 3575 | 4 | 16 |
| 3560 | 3568 | 8 | 32 |
| 3549 | 3557 | 8 | 32 |
| 3539 | 3544 | 5 | 20 |
| 3528 | 3532 | 4 | 16 |
| 3509 | 3513 | 4 | 16 |

9. POH. GIH and dump bail 35' of cement on top of CIBP at 5500'. POH RD & release WL. **Note: Use Apollo CBL dated 6/10/98 for depth correction. Also, exact perf depths will change after obtaining new GR/Compensated Neutron Log.**

10. RIH w/ 5-1/2" PPI packer w/ SCV and 12' element spacing. Test 2-7/8" WS to 5000 psi while RIH. Test PPI packer in blank pipe. Mark Settings.

11. MI & RU DS Services. Acidize perfs 3509-3914' with 4,800 gal 15% NEFE HCl acid at a maximum rate **of $^1/_2$ BPM** and a maximum surface pressure of **4000 psi** as follows:

| Perfs | Acid Volume | Max Rate | PPI Setting |
|---|---|---|---|
| 3904-3914 | 200 gals | 1/2 bpm | 3903-3915 |
| 3859-3867 | 200 gals | 1/2 bpm | 3857-3869 |
| 3841-3848 | 200 gals | 1/2 bpm | 3839-3851 |
| 3830-3835 | 200 gals | 1/2 bpm | 3827-3839 |
| 3821-3825 | 200 gals | 1/2 bpm | 3816-3828 |
| 3796-3804 | 200 gals | 1/2 bpm | 3794-3806 |
| 3758-3761 | 200 gals | 1/2 bpm | 3754-3766 |
| 3742-3750 | 200 gals | 1/2 bpm | 3740-3752 |
| 3718-3728 | 200 gals | 1/2 bpm | 3717-3729 |
| 3702-3710 | 200 gals | 1/2 bpm | 3700-3712 |
| 3684-3694 | 200 gals | 1/2 bpm | 3683-3695 |
| 3674-3680 | 200 gals | 1/2 bpm | 3671-3683 |
| 3663-3670 | 200 gals | 1/2 bpm | 3660-3672 |
| 3648-3654 | 200 gals | 1/2 bpm | 3645-3657 |
| 3633-3643 | 200 gals | 1/2 bpm | 3632-3644 |

| | | | |
|---|---|---|---|
| 3602-3612 | 200 gals | 1/2 bpm | 3601-3613 |
| 3586-3594 | 200 gals | 1/2 bpm | 3584-3596 |
| 3576-3580 | 200 gals | 1/2 bpm | 3572-3584 |
| 3571-3575 | 200 gals | 1/2 bpm | 3570-3582 |
| 3560-3568 | 200 gals | 1/2 bpm | 3558-3570 |
| 3549-3557 | 200 gals | 1/2 bpm | 3547-3559 |
| 3539-3544 | 200 gals | 1/2 bpm | 3536-3548 |
| 3528-3532 | 200 gals | 1/2 bpm | 3524-3536 |
| 3509-3513 | 200 gals | 1/2 bpm | 3505-3517 |

Displace acid with 8.6 PPG cut brine water -- do not over displace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **If communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 500 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals.**

12. SI well for 2 hrs for acid to spend. Release PPI & PU above top perf. Fish SCV & flush ann. cap w/ 8.6# brine. Set pkr. RU swab and swab back load before SION if possible. Record volumes, pressures, & fluid levels. Discuss results with Engineering. If excessive water is produced, selectively swab perf intervals as discussed w/ engineer.

13. POOH w/ PPI and LD. RIH with 5-1/2" frac pkr, on/off tool and profile, and 110 jnts of 3-1/2" frac string, testing to 8,500. Set pkr at approximately 3400'. Install frac head. Pressure annulus to 500 psi to test csg and pkr. Leave pressure on csg during job to observe possible communication.

14. MI & RU DS Services and Tracer-Tech Services (Mike Mathis (866) 595-3115). Frac well down 3 ½" tubing at **40 BPM** with 88,000 gals of YF125, 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Observe a maximum surface treating pressure of **8500 psi**. Tag frac with 2 radioactive isotopes (1 in regular sand stages, and 1 in resin-coated proppant stage). Pump job as follows:

    Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor at **6 BPM**
    Pump 1,000 gals 2% KCL water spacer at **20 BPM**
    Pump 14,000 gals YF125 pad containing 5 GPT J451 Fluid Loss Additive at **40 BPM**
    Pump 14,000 gals YF125 containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive
    Pump 12,000 gals YF125 containing 1.5 PPG 16/30 mesh Jordan Sand
    Pump 12,000 gals YF125 containing 2.5 PPG 16/30 mesh Jordan Sand
    Pump 14,000 gals YF125 containing 3.5 PPG 16/30 mesh Jordan Sand
    Pump 16,000 gals YF125 containing 4.5 PPG 16/30 mesh Jordan Sand
    Pump 6,000 gals YF125 containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

    Flush to top of perfs. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services and Tracer-Tech Services. **Leave well SI overnight.**

15. Open well. Bleed pressure from well, if any. Release pkr. POH LD 3 ½" work string, on-off tool, and pkr.

16. PU and GIH with 4 ¾" MT bit on 2 7/8" WS to approximately 4200' using air unit if necessary. POH with 2 7/8" WS and bit. LD bit.

17. PU & GIH with 5 ½" pkr on 2 7/8" tbg string to 3480'. Set pkr at 3480'. Open well. GIH and swab well until there is no sand inflow. Swab well for at least 3 hours before logging. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and conduct after-frac PRISM GR/Temp/CCL from 5465' to 3400'. POH. RD & release electric line unit. **Note: Correlate logs and run flat with Baker Atlas GR/CBL/CCL Log conducted in Step # 7.**

18. POH LD 2 7/8" WS and pkr.

19. RIH w/ 2-7/8" production tubing and hang off per ALS recommendation. NDBOP NUWH. RIH w/ rods and pump per ALS.

20. RD Key PU & RU. Turn well over to production. Contact Lease Operator and inform them that the well is ready for operation.

Engineer – Richard Jenkins
432-687-7120 Office
505-631-6455 Cell
814-282-7723 Home

Well: **General G #3**

Reservoir: **Tubb**

**Location:**
525' FNL & 600' FWL
Section: 16
Township: 20S
Range: 37E
County: LEA, NM.

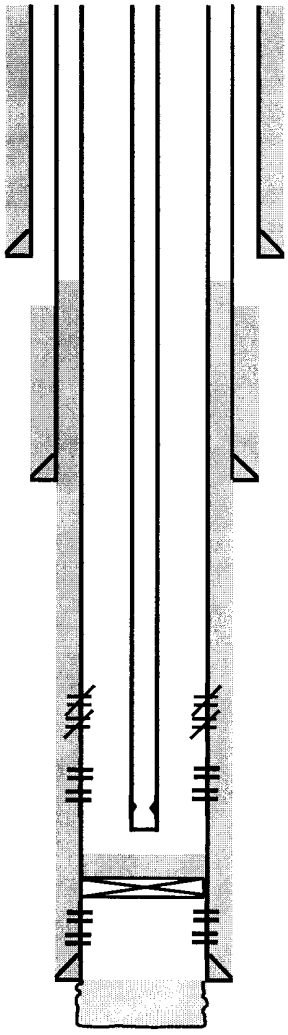
**Elevations:**
GL:
DF:
KB: 11'

**TOC @ 2300'**
**TOC @ 3000'**

**COTD:** 6485'
**PBTD:** 6950'
**TD:** 7797'

**Updated:** 1/12/2007

## Current
## Wellbore Diagram



**By:** rjdg

**Well ID Info:**
Refno: IZ6687
API No: 30-025-30865
L5/L6:
Spud Date: 5/9/1990
Compl. Date: 10/1/1998

**Surf Csg:** 13-3/8" 54.5#, K-55 ST&C
**Set: @** 1500' w/ 1350 sks
**Hole Size:** 17-1/2"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulation

**Interm Csg:** 9-5/8" 36#, K-55 ST&C
**Set: @** 5000' w/ 1765 sks
**Hole Size:** 12-1/4"
**Circ:** No **TOC:** 3000'
**TOC By:** Temperature Suvey

**Prod Csg:** 5-1/2" 17#, J-55 LT&C
**Set: @** 7644' w/ 1125 sks
**Hole Size:** 7-7/8"
**Circ:** No **TOC:** 2300'
**TOC By:** CBL

| **Blinebry** | **Status** |
|---|---|
| 5588'-5683' | Squeezed |

| **Tubb** | **Status** |
|---|---|
| 6386'-6408' | Open |

**CIBP @ 6970' w/ 20 ' cmt on top**

| **Abo** | **Status** |
|---|---|
| 7036' - 7221' | Open- Below CIBP |

**Cemented Open Hole @ 7644'**

**This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.**

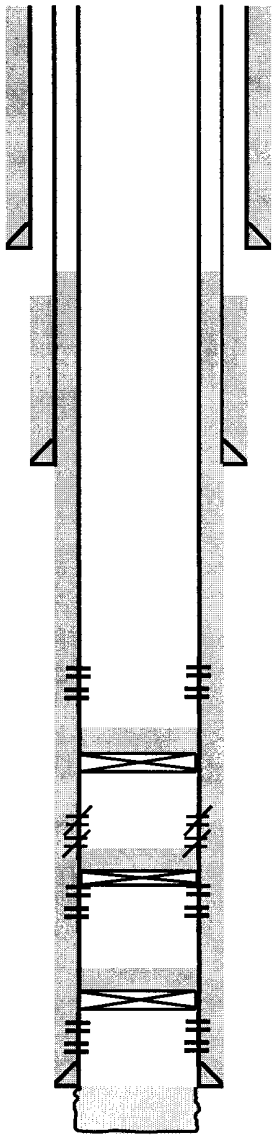
Well: **General G #3**

Reservoir: **Grayburg**

**Location:**
525 FNL & 600' ~~FEL~~ FWL
Section: 16
Township: 20S
Range: 37E
County: LEA, NM.

**Elevations:**
GL:
DF:
KB: 11'

**Proposed**
Wellbore Diagram



**Well ID Info:**
Refno: IZ6687
API No: 30-025-30865
L5/L6: BCU939900
Spud Date: 5/9/1990
Compl. Date: 10/1/1998

**Surf Csg:** 13-3/8" 54.5#, K-55 ST&C
**Set: @** 1500' w/ 1350 sks
**Hole Size:** 17-1/2"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulation

**TOC @ 2300'**
**TOC @ 3000'**

**Interm Csg:** 9-5/8" 36#, K-55 ST&C
**Set: @** 5000' w/ 1765 sks
**Hole Size:** 12-1/4"
**Circ:** No **TOC:** 3000'
**TOC By:** Temperature Suvey

**Prod Csg:** 5-1/2" 17#, J-55 LT&C
**Set: @** 7644' w/ 1125 sks
**Hole Size:** 7-7/8"
**Circ:** No **TOC:** 2300'
**TOC By:** CBL

**Grayburg** Status
3509'-3914' Open

**CIBP @ 5500 w/ 35' cmt on top**

**Blinebry** **Status**
5588'-5683' Squeezed

**CIBP @ 6350 w/ 35' cmt on top**

**Tubb** **Status**
6386'-6408' Open - Below CIBP

**CIBP @ 6970' w/ 20 ' cmt on top**

**Abo** **Status**
7036' - 7221' Open- Below CIBP

**Cemented Open Hole @ 7644'**

**COTD:** 6485'
**PBTD:** 6950'
**TD:** 7797'

**Updated:** 1/12/2007 **By:** rjdg

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

**Tubing Detail - CaseLowis General G #3**

| Component Grouping | Part Type | Name of Component | Install Date | Quantity | Length | Top Depth | Bottom Depth |
|---|---|---|---|---|---|---|---|
| Tubing String | Tubing - OD 2.875 | J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift | 11/3/2003 | 228 | 7114.29 | 6 | 7120.29 |
| Tubing String | Tubing Anchor/Catcher | Tubing Anchor/Catcher 2.875" - Nickel Plated | 11/3/2003 | 1 | 2.7 | 7120.29 | 7122.99 |
| Tubing String | Tubing - OD 2.875 | J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift | 11/3/2003 | 3 | 90.13 | 7122.99 | 7213.12 |
| Tubing String | Tubing - OD 2.875 | J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift - Internal Plastic Ctg-TK-99 | 11/3/2003 | 1 | 32.3 | 7213.12 | 7245.42 |
| Tubing String | Seat Nipple / Shoe | Seat Nipple - Heavy Duty (2.875") Cup Type | 11/3/2003 | 1 | 1.1 | 7245.42 | 7246.52 |
| Tubing String | Perforated Tubing Sub | Perforated Tubing Sub 2.875" J-55 8rd EUE 6.5# | 11/3/2003 | 1 | 4.1 | 7246.52 | 7250.62 |
| Tubing String | Mud Anchor | Bull Plug Mud Anchor 2.875" J-55 8rd EUE 6.5# | 11/3/2003 | 1 | 31.25 | 7250.62 | 7281.87 |
| | | | | | | | |
| Rod String | Polished Rod | 1.500 (1 1/2 in.) Spray Metal x 26 - Spray Metal | 11/3/2003 | 1 | 26 | 6 | 32 |
| Rod String | Rod | 0.875 (7/8 in.) N-90 (D) x 25 Rod | 5/22/2006 | 98 | 2450 | 32 | 2482 |
| Rod String | Rod | 0.750 (3/4 in.) N-90 (D) x 25 Rod | 5/22/2006 | 174 | 4350 | 2482 | 6832 |
| Rod String | Sinker Bar | 1.500 (1 1/2 in.) K x 25 Sinker Bar | 5/22/2006 | 16 | 400 | 6832 | 7232 |
| Rod String | Rod Sub | 0.875 (7/8 in.) N-90 (D) x 4 Rod Sub - Rod Guides-Molded (3 per rod) | 5/22/2006 | 1 | 4 | 7232 | 7236 |
| Rod String | Rod Pump (Insert) (NON-SERIALIZED) | Rod Pump (Insert) (NON-SERIALIZED) - 25-106-RHBC-20-6 (Bore = 1.06) | 5/22/2006 | 1 | 20 | 7236 | 7256 |
| Rod String | Gas Anchor (Rod) | Gas Anchor 1.250 OD x 12' | 5/22/2006 | 1 | 12 | 7256 | 7268 |

Tool Length 12

| Top Perf | Bottom Perf | Net Feet | Total Holes |
|---|---|---|---|
| 3904 | 3914 | 10 | 40 |
| 3859 | 3867 | 8 | 32 |
| 3841 | 3848 | 7 | 28 |
| 3830 | 3835 | 5 | 20 |
| 3821 | 3825 | 4 | 16 |
| 3796 | 3804 | 8 | 32 |
| 3758 | 3761 | 3 | 12 |
| 3742 | 3750 | 8 | 32 |
| 3718 | 3728 | 10 | 40 |
| 3702 | 3710 | 8 | 32 |
| 3684 | 3694 | 10 | 40 |
| 3674 | 3680 | 6 | 24 |
| 3663 | 3670 | 7 | 28 |
| 3648 | 3654 | 6 | 24 |
| 3633 | 3643 | 10 | 40 |
| 3602 | 3612 | 10 | 40 |
| 3586 | 3594 | 8 | 32 |
| 3576 | 3580 | 4 | 16 |
| 3571 | 3575 | 4 | 16 |
| 3560 | 3568 | 8 | 32 |
| 3549 | 3557 | 8 | 32 |
| 3539 | 3544 | 5 | 20 |
| 3528 | 3532 | 4 | 16 |
| 3509 | 3513 | 4 | 16 |

| Perfs | Acid Volume |
|---|---|
| 3904-3914 | 200 gals |
| 3859-3867 | 200 gals |
| 3841-3848 | 200 gals |
| 3830-3835 | 200 gals |
| 3821-3825 | 200 gals |
| 3796-3804 | 200 gals |
| 3758-3761 | 200 gals |
| 3742-3750 | 200 gals |
| 3718-3728 | 200 gals |
| 3702-3710 | 200 gals |
| 3684-3694 | 200 gals |
| 3674-3680 | 200 gals |
| 3663-3670 | 200 gals |
| 3648-3654 | 200 gals |
| 3633-3643 | 200 gals |
| 3602-3612 | 200 gals |
| 3586-3594 | 200 gals |
| 3576-3580 | 200 gals |
| 3571-3575 | 200 gals |
| 3560-3568 | 200 gals |
| 3549-3557 | 200 gals |
| 3539-3544 | 200 gals |
| 3528-3532 | 200 gals |
| 3509-3513 | 200 gals |

ft

| Max Rate | PPI Setting |
|---|---|
| 1/2 bpm | 3903-3915 |
| 1/2 bpm | 3857-3869 |
| 1/2 bpm | 3839-3851 |
| 1/2 bpm | 3827-3839 |
| 1/2 bpm | 3816-3828 |
| 1/2 bpm | 3794-3806 |
| 1/2 bpm | 3754-3766 |
| 1/2 bpm | 3740-3752 |
| 1/2 bpm | 3717-3729 |
| 1/2 bpm | 3700-3712 |
| 1/2 bpm | 3683-3695 |
| 1/2 bpm | 3671-3683 |
| 1/2 bpm | 3660-3672 |
| 1/2 bpm | 3645-3657 |
| 1/2 bpm | 3632-3644 |
| 1/2 bpm | 3601-3613 |
| 1/2 bpm | 3584-3596 |
| 1/2 bpm | 3572-3584 |
| 1/2 bpm | 3570-3582 |
| 1/2 bpm | 3558-3570 |
| 1/2 bpm | 3547-3559 |
| 1/2 bpm | 3536-3548 |
| 1/2 bpm | 3524-3536 |
| 1/2 bpm | 3505-3517 |