## REFERENCE SHEET FOR UNDESIGNATED WELLS

|     | DATE $\frac{5}{25}$ 99  |
|-----|---|
|     | OIL/GASGas  |
|     | COUNTYL_eq  |
|     | OPERATOR Nearburg Producing Co  |
|     | ADDRESS 3300 N A St. Bldg 2 Suite 130 Midland TV 294                                      |
| 4   | LEASE NAME, WELL NO. Viper 3 Federal #1-17/   |
| BH  | FOOTAGE LOCATION 2200 FROM THE 5 LINE AND 1500 FROM THE E LINE SECTION 3 TOUNSULD 20 2012 |
|     | SECTION 3 TOWNSHIP 20s RANGE 33e 2012   |
|     | COMPLETION DATE 4/9/99  |
|     | NAME OF PRODUCING FORMATION MOSSON  |
|     | TOP OF PERFORATIONS 13493 - 13508   |
|     | DEPTH TO CASING SHOE  |
|     | C-123 FILED   |
|     | NAME OF POOL FOR WHICH EXTENSION WAS ASKED  |
|     | ADVERTISED FOR HEARING CASE NO.   |
|     | NAME OF POOL FOR WHICH EXTENSION WAS ADVERTISED   |
|     | PLACED INBY ORDER NO. R   |
|     | REMARKS E Gem Morrow  |
| . • | 320 ac N/2  |
| -   | ABCDEFGH  |
| -   |   |
| -   |   |
| -   |   |
| -   |   |
| -   |   |

Form 3163-4 (July 1992)

## UN ED STATES SUBMIT IN DUPLIC DEPARTMENT OF THE INTERIOR (Sector)

BUREAU OF LAND MANAGEMENT

(Sectioner instructions on reverse side) FORM APPROVED OMB NO. 1004-0137 Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

**NMNM 17238** 

| 10. TOTAL DEPTH, MD & TVD  | WELL CON                  | IPLETIC          | ON OR          | RECO          | MPLE                                   | TION          | REPOF            | REA     | AND LO                                 | <b>ϽϾ</b> ຸ້ | 6. IF INDIAN, A                        | LLOTTEE       | OR TRIBE NAME       |
|--|---------------------------|------------------|----------------|---------------|--|---------------|------------------|---------|--|--------------|--|---------------|---------------------|
| NAME OF OPERATOR NAME O | _                         | TION:            | WELL .         | WELL X        | <b>3</b> r                             | DRY 🗌         | Othep O          | Бох     | 101                                    |              | 7. UNIT AGREE                          | EMENT NA      | ME                  |
| NAME OF OPERATOR Nearburg Producing Company Nearburg Producing Company Nearburg Producing Company Nearburg Producing Company Nonth A Street, Building 2, Suite 120, Midland, Texas 79705 (915) 686-8235  10. PELCARTON OF WELL Report location clearly and in accordance with any State requirements/ At surface 1, 2,000 'FSL and 1,600 FEL At top prod. Instruct reported below 1,500 'FNL and 1,500 FEL At top and instruct reported below 1,500 'FNL and 1,500 FEL 1 |                           |                  | DEEP-          | PLUG          | DIF                                    | F             |                  |         |  | 1            |  |               |                     |
| ADDRESS AND TELEPHONE NO.  300 NORTH A Street, Building 2, Suite 120, Micland, Texas 79705 (915) 686-8235  10. IEELD AND POOL, OR MILDCAT GET MILDAT GET MILDCAT GET MILDAT GET MILDCAT GET MILDCAT GET MILDAT GET MILDCAT GET MILDCAT GET |                           |                  |                | BACK -        | - REG                                  |               | Other Total      |         |  |              |  |               | •                   |
| ADDRESS AND TELEPHONE NO.  300 North A Street, Building 2, Suite 120, Midland, Texas 79705 (915) 686-8235  100ATON OF WELL (Report location clearly and in accordance with any State requirements)*  11. SEC. T., R., M., OR BLOCK AND SURVE CARRY of Market Report below 1.650° FNL. and 1.650° FEL At total depth 14. PERMIT NO.  DATE ISSUED 15. DATE TOUR OF WELL (Rectly to prod.) 16. DATE ISSUED 16. DATE TOUR OF MELL (Rectly to prod.) 17. DATE COMPL. (Rectly to prod.) 18. ELEVATIONS (P. RKS, RT, GE, ETC.)* 19. ELEV. CASINGHEAD 10.008/99 0.7 TOTAL DEPTH, ND & TVD 1.3,830° 1.3,830° 1.3,741° 1.3,830° 1.3,830° 1.3,741° 1.4. PERMIT NO.  DATE ISSUED 12. COUNTY OR PARSHIN 13. STATE 1.3,830° 1 | Nearburg Produc           | cing Compa       | ny             |               |  |               |                  |         |  |              |  |               | eral #1             |
| JOOKATION OF WELL (Report location clearly and in accordance with any State requirements)*  At surface 2,200° FSL and 1,600° FEL At top prod. Interval reported below 1,550° FNL and 1,650° FEL At total depth 16. DATE 10. REACHED 17. DATE COMPL. (Ready to prod.) 18. DATE 10. REACHED 17. DATE COMPL. (Ready to prod.) 18. DATE 10. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GE, ETCT) 19. ELEV. CASINGHEAD 3,569° GR 3,600° KB 3,741° 19. DATE 10. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GE, ETCT) 19. ELEV. CASINGHEAD 3,569° GR 3,600° KB 3,741° 19. DATE 10. REACHED 19. TOTAL DEPTH, MD & TYD 19. JEUV. CASINGHEAD 19. AND THE COMPL. (READY to prod.) 19. TOTAL DEPTH, MD & TYD 19. JEUV. CASINGHEAD 19. AND THE COMPL. (READY to prod.) 19. TOTAL DEPTH, MD & TYD 19. JEUV. CASINGHEAD 19. SONGHEAT 19. AND THE COMPL. (READY to prod.) 19. TOTAL DEPTH, MD & TYD 19. JEUV. CASINGHEAD 19. SONGHEAT 19. AND THE COMPL. (READY to prod.) 19. TOTAL DEPTH, MD & TYD 19. JEUV. CASINGHEAD 19. SONGHEAT 19. SONGH |                           |                  |                |               |  |               |                  |         |  |              |  |               | 45.40               |
| As surface 2,200 FSL and 1,800 FEL At the prior limited reported below 1,850 FNL and 1,850 FEL At the prior limited reported below 1,850 FNL and 1,850 FEL At the prior limited reported below 1,850 FNL and 1,850 FEL At the prior limited reported below 1,850 FNL and 1,850 FEL At the prior limited reported below 1,850 FNL and 1,850 FEL At the prior limited reported below 1,850 FNL and 1,850 FEL At the prior limited reported below 1,850 FNL and 1,850 FEL At the prior limited reported below 1,850 FNL and 1,850 FEL At the prior limited reported below 1,850 FNL and 1,850 FNL 1,850 FNL and 1,850 FNL 1,850 FNL and 1,850 FNL 1,8 |                           |                  |                |               |  |               |                  | 8235    |  | _            |  |               | ····                |
| 11. SEC., T. R. M., OR BLOCK AND SURVE OR ARE ALTO PROBLEM PRIVATE REPORT BEING NO.   11. SEC., T. R. M., OR BLOCK AND SURVE OR ARE ALTO PROBLEM PRIVATE REPORT BEING NO.   11. SEC., T. R. M., OR BLOCK AND SURVE OR ARE ALTO PROBLEM PROBLEM PROBLEM   13. STATE SECTION 3, T2OS, R33E   15. SECTION 3, T2OS, R33E   |                           | . (Report locati | on clearly an  | d in accordan | ce with an                             | y State rec   | quirements)*     |         |  |              | 1                                      | •             |                     |
| At to prod. Interval reported below 1,550° FNL and 1,650 FEL At total depth  |                           | d 1.600' FE      | :L             |               |  |               |                  |         |  |              |  |               |                     |
| 14. PERMIT NO.   DATE ISSUED   12. COUNTY OR PARISH   13. STATE  | At top prod. interval     | reported belo    | w              |               |  |               |                  |         |  |              |  | ,             |                     |
| 14, PERMIT NO.   DATE ISSUED   12, COUNTY OR PARSH   13, STATE   New Mexico   New   |                           | id 1,650 FE      | L              |               |  |               |                  |         |  |              | Section                                | on 3, T2      | 0S, R33E            |
| 10.   ATE TI.O. REACHED   17. DATE TI.O. REACHED   17. DATE COMPL. (Ready to prod.)   18. ELEVATIONS (DF, RKB, RT, GE, ETC.)*   19. ELEV. CASINGREAD   03/19/99   03/19/99   21. PLUG, BACK T.D., MID & TVD   13,741   22. IFMULTIPLE COMPL., HOW MANY*   22. IFMULTIPLE COMPL., HOW MANY*   22. IFMULTIPLE COMPL., HOW MANY*   23. INTERVALS, ROTARY TOOLS   CABLE TOOLS   CABLE TOOLS   13,830   13,741   22. IFMULTIPLE COMPL., HOW MANY*   23. INTERVALS, ROTARY TOOLS   CABLE TOOLS   C   | ·                         |                  |                |               | 14. PE                                 | RMIT NO.      |                  | DATE    | SSUED                                  |              |  | PARISH        |                     |
| 0.1/08/99   0.3/19/99   0.4/09/99   3.589' GR 3,606' KB   0.1071A DEPTH. MD & TVD 21. PLUG, BACK T.D., MD & TABLE DBY X  | 5 DATE SPUIDDED           | 16 DATE T        | REACHED        | 17 DATE       | COMPI                                  | (Paady to     | amd) 16          | FIE     | VATIONS (D                             | E DVD D      | <u> </u>                               | 40 51 51      |                     |
| 8. TOTAL DEPTH, MD & TVD 13,830 1 13,830 1 13,741 1 22. INTERVALS), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD) 1 22. INTERVALS), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD) 1 23. MAS DIRECTIONAL SURVEY MADE NO 1 27. WAS WELL CORED NO 8. CASING RECORD (Report all strings set in well) 1 27. WAS WELL CORED NO 8. CASING RECORD (Report all strings set in well) 1 28. MAS DIRECTIONAL SURVEY MADE NO 1 27. WAS WELL CORED NO 8. CASING RECORD (Report all strings set in well) 1 28. WAS DIRECTIONAL SURVEY MADE NO 1 29. WEIGHT, LB.FT. DEPTH SET (MD) 1 10" 1 65#, 75#, 85# 1 1,293' 1 18-1/2" 1 17# & 20# 1 13,330' 1 13,34" 1 13,34" 1 13,44" 1 65# 1 13,493' 1 508' 1 13,384' 1 13,493' - 508' 1 10" 1 | 01/08/99                  |                  |                |               |  | (Neady to     | prod.)           |         | •                                      |              |  | 19. ELE       | V. CASINGHEAD       |
| 13,830'   13,741'   HOW MANY'   DRILLED BY   X   |                           | L                |                |               |  |               |                  |         | _ <u></u>                              |              |  | S             | CABLE TOOLS         |
| 13.493' - 508' MOTTOW  8. TYPE ELECTRIC AND OTHER LOGS RUN DLL/LDT/CNAL/GR/CAL  8. CASING RECORD (Report all strings set in well)  16" 65#, 75#, 85# 1_293' 18-1/2" 10P to Surface; 350 sacks 11-3/4" 65#, 3,665' 14-3/4" Circ. to surface; 350 sacks 11-3/4" 65# 3,665' 14-3/4" Circ. to surface; 350 sacks 5-1/2" 17# 8.20# 13.830' 7-7/8" Cmt 370 sxs  9. LINER RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) 1. PERFORATION RECORD (Interval, size and number) 1. PERFORATION RECORD (Interval, size and number) 1. PERFORATION RECORD (Interval, size and number) 2. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 13,493' - 508' - 0.41" - 60 shots  13,493' - 508' DAL" - 60 shots  13. **  PRODUCTION  ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) shuf-in) SI ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR 13,881. (MD) AMOUNT AND KIND OF MATERIAL USED 13,493' - 508' DAL" - 60 shots  140/13/99 24 48/64 TEST PROD'N FOR 128 1700 105 13,281  LOW. TUBING PRESS. CASING PRESSURE CALCULATED 14-HOUR RATE 14-HOUR  | 13,830'                   |                  | 13,            | 741'          |  | HOW MAI       | NY*              |         | DRIL                                   | LED BY       |  |               | 0,1322 10020        |
| 13.493' - 508' Morrow  8. TYPE ELECTRIC AND OTHER LOGS RUN DLI/LDT/CNL/GR/CAL  CASING RECORD (Report all strings set in well)  ASING SIZE/GRADE WEIGHT, LB.FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED  16" 65#, 75#, 85# 1, 293' 18-1/2" Circ. to surface; 350 sacks 11-3/4" 65# 3, 665' 14-3/4" Circ. to surface; 1,475 sacks 5-1/2" 17# 8, 20# 13,830' 7-7/8" Circ. to surface; 1,475 sacks 5-1/2" 17# 8, 20# 13,830' 7-7/8" Circ. to surface; 1,475 sacks  5-1/2" 17# 8, 20# 13,830' 7-7/8" Circ. to surface; 1,475 sacks  11-3/4" 65# 3,665' 14-3/4" Circ. to surface; 1,475 sacks  5-1/2" 17# 8, 20# 13,830' 7-7/8" Circ. to surface; 1,475 sacks  13.24 TUBING RECORD  SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  14. PERFORATION RECORD (Interval, size and number)  15. PERFORATION RECORD (Interval, size and number)  16. PERFORATION RECORD (Interval, size and number)  17. PERFORATION RECORD (Interval, size and number)  18. PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumpling-size and type of pump)  18. PERFORATION RECORD (Interval, size and number)  18. ASING SPECIAL RECORD (Interval, size and number | 24. PRODUCING INTER       | (VAL(S), OF TH   | IIS COMPLET    | ION-TOP, BO   | TTOM, NA                               | ME (MD A      | ND TVD)*         |         |  |              |  |               |                     |
| S. TYPE ELECTRIC AND OTHER LOGS RUN DLILLDT/CNL/GR/CAL  CASING RECORD (Report all strings set in well)  ASING SIZE/GRADE WEIGHT, LB.FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED  16" 65#, 75#, 85# 1,293' 18-1/2" Circ. to surface; 350 sacks  11-3/4" 65# 3,665' 14-3/4" Circ. to surface; 1,475 sacks  5-1/2" 17# & 20# 13,830' 7-7/8" Cmt 370 sxs  9. LINER RECORD  SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT' SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT' SCREEN (MD) SIZE TOP (MD) PACKER SET (MD)  11. PERFORATION RECORD (Interval, size and number)  12. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  34. ASI3, 93' - 508' DOLL'ION METHOD (Flowing, gas lift, pumping-size and type of pump) Shut-in) SI  ATE OF TEST HOURS TESTED CHOKE SIZE ASIGN PRESURE CH | 13,493' - 508' <b>M</b> o | rrow             |                |               |  |               |                  |         |  |              |  | 31            |                     |
| CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT, LB.FT. DEPTH SET (MD)  16" 65#, 75#, 35# 1,293' 18-1/2" Circ. to surface; 350 sacks  11-3/4" 85# 3,665' 14-3/4" Circ. to surface; 1,475 sacks  5-1/2" 17# & 20# 13,830' 7-7/8" Cmt 370 sxs  9. LINER RECORD  SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT' SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  10. PERFORATION RECORD (Interval, size and number)  11. PERFORATION RECORD (Interval, size and number)  12. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  13. PRODUCTION  ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  ATE OF TEST HOURS TESTED CHOKE SIZE 48/64 PROD'N FOR TEST PRENDD 128 1700 105 13,281  LOW. TUBING PRESS. CASING PRESSURE 24 48/64 1851 PERIOD 128 1700 105 13,281  CONTROL TEST NA CALCULATED 24-HOUR RATE  180 NA CALCULATED 14-HOUR RATE  180 NA CALCULATED 24-HOUR RATE  180 NA CALCULATED 150 NATE CALCULATED | 26 TVDE ELECTRIC AN       | ID OTHER LOC     | S PIIN         |               | ·· · · · · · · · · · · · · · · · · · · |               |                  |         |  |              |  |               |                     |
| CASING RECORD   Report all strings set in well)   ASING SIZE/GRADE   WEIGHT, LB.FT.   DEPTH SET (MD)   HOLE SIZE   TOP OF CEMENT, CEMENTING RECORD   AMOUNT PULLED     16"   65#, 75#, 85#   1,293   18-1/2"   Circ. to surface; 350 sacks     11-3/4"   55#   3,665   14-3/4"   Circ. to surface; 1,475 sacks     5-1/2"   17# & 20#   13,830'   7-7/8"   Cmt 370 sxs     9.  |                           |                  | 33 NON         |               |  |               |                  |         |  |              |  | 27. WAS       |                     |
| ASSING SIZE/GRADE   WEIGHT, LB.FT.   DEPTH SET (MD)   HOLE SIZE   TOP OF CEMENT, CEMENTING RECORD   AMOUNT PULLED  | 28.                       |                  |                | CASI          | NG RECO                                | ORD (Rep      | ort all strings  | s set i | n weil\                                |              |  |               |                     |
| 16"   65#, 75#, 85#   1,293'   18-1/2"   Circ. to surface; 350 sacks     11-3/4"   65#   3,665'   14-3/4"   Circ. to surface; 1,475 sacks     5-1/2"   17# & 20#   13,830'   7-7/8"   Cmt 370 sxs     9.   | CASING SIZE/GRADE         | WEIGHT, I        | LB./FT.        |               |  |               | ···              | . ,     |  | ENT, CEN     | MENTING RECO                           | RD            | AMOUNT PULLED       |
| SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT' SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  1. PERFORATION RECORD (Interval, size and number)  3. **  PRODUCTION  ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  ATE OF TEST HOURS TESTED CHOKE SIZE 48/64  1. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  3. **  PRODUCTION  PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  ATE OF TEST HOURS TESTED CHOKE SIZE 48/64  1. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  A. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  Vented  5. LINER RECORD  30. TUBING RECORD  32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  33. **  PRODUCTION  13, 493' - 508'  13, 493' - 508'  13, 493' - 508'  13, 493' - 508'  WELL STATUS (Producing or shut-in) SI  WELL STATUS (Producing or shut-in) SI  ACCEPTED FOR RECORD  ACCEPTED FOR RECORD  ACCEPTED FOR RECORD  MAY 2 0 1999  TEST WITNESSED BY MATE Lee  MAY 2 0 1999  ACCEPTED FOR RECORD  MAY 2 0 1999  ACCEPTED FOR RECORD  ACCEPTED FOR RECORD  MAY 2 0 1999  TEST WITNESSED BY MATE Lee  MAY 2 0 1999  TEST WITNESSED BY MATE Lee  MAY 2 0 1999  TEST WITNESSED BY MATE Lee  MAY 2 0 1999  TEST WITNESSED BY MATE Lee  MAY 2 0 1999  TEST WITNESSED BY MAY 2 0 1999  TEST WITN | 16"                       |                  |                | 1,29          | 3'                                     | 1             | 18-1/2"          | 1       |  |              |  |               |                     |
| SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  1. PERFORATION RECORD (Interval, size and number)  3. **  PRODUCTION  ATE FIRST PRODUCTION  PRODUCTION  ATE FIRST PRODUCTION  PRODUCT |                           | <del></del>      |                |               |  |               |                  |         |  |              | '5 sacks                               |               |                     |
| SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  13,384' 13,384' 13,384'  14. PERFORATION RECORD (Interval, size and number)  15. PERFORATION RECORD (Interval, size and number)  16. PERFORATION RECORD (Interval, size and number)  17. PERFORATION RECORD (Interval, size and number)  18. PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  Flowing  PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  Flowing  PRODUCTION  PRO | 5-1/2"                    | 1/# 8            | 20#            | 13,83         | 3O'                                    |               | 7-7/8"           | Cn      | nt 370 sxs                             |              | ······································ |               |                     |
| SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  1. PERFORATION RECORD (Interval, size and number)  32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  33. * PRODUCTION  ANTE FIRST PRODUCTION  PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  Flowing Flowing  ATE OF TEST HOURS TESTED CHOKE SIZE 48/64  LOW, TUBING PRESS. CASING PRESSURE CALCULATED 24 HOUR RATE OF THE ST PERIOD 128 1700 105 13,281  LOW, TUBING PRESS. CASING PRESSURE CALCULATED 24 HOUR RATE OF THE ST PERIOD 128 1700 105 13,281  A. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  Vented 5. LIST OF ATTACHMENTS  C-104, Deviation Report, Logs 6. I hereby certif that the-foregrafing and attached information is complete and correct as determined from all available records  | 29.                       | 1                | LINER          | RECORD        |  | L             |                  |         | 30.                                    |              | TUBING RECO                            | RD            |                     |
| 2-3/8" 13,384' 13,384' 13,384'  1. PERFORATION RECORD (Interval, size and number)  32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  3. * PRODUCTION  AMOUNT AND KIND OF MATERIAL USED  3. * PRODUCTION  OLIBBL. GASMCF. WATERBBL. GAS-OIL RATIO 105 13,281  LOW. TUBING PRESS.  ABU  ABIGN  A          | SIZE 1                    | TOP (MD)         | ВОТТО          | M (MD)        | SACKS C                                | EMENT*        | SCREEN (M        | D)      | ) SIZE                                 |              | DEPTH SET (MD)                         |               | PACKER SET (MD)     |
| DEPTH INTERVAL (MD)  AMOUNT AND KIND OF MATERIAL USED  13,493' - 508'  PRODUCTION  PRODUCT |                           |                  |                |               |  |               |                  |         |  |              |  |               | ·                   |
| DEPTH INTERVAL (MD)  AMOUNT AND KIND OF MATERIAL USED  AMOUNT AND KIND OF MATERIAL USED  13,493' - 508'  PRODUCTION  PRODUCTIO |                           | 2000 (1.4        | <u> </u>       |               |  |               |                  |         | <u> </u>                               |              |  |               |                     |
| 13,493' - 508'  13,493' - 508'  PRODUCTION  ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD 128 1700 105 13,281  LOW. TUBING PRESS. CASING PRESSURE CALCULATED OIL—BBL. GAS.—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)  180 NA 24-HOUR RATE 128 1700 105 50.9  ACCEPTED FOR RECORD TEST WITNESSED BY WATER—BBL. OR CORD TEST WITNESSED BY WAY 2 0 1999  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records   | 31. PERFORATION REC       | JORD (Interva    | i, size and nu | mber)         |  |               |                  |         |  |              |  |               | <u> </u>            |
| PRODUCTION  ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD 128 1700 105 13,281  LOW. TUBING PRESS.  ALCULATED 24-HOUR RATE 24-HOUR RATE 128-HOUR RATE 1 | 13,493' - 508' - 0.4      | 11" - 60 shot    | ts             |               |  |               |                  |         | <del></del>                            | All          | MOUNT AND KIND                         | OF MAT        | ERIAL USED          |
| PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  O4/09/99  Flowing  ATE OF TEST O4/13/99  LOW. TUBING PRESS. ASING PRESSURE ALCULATED 24-HOUR RATE NA  DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  Vented  S. LIST OF ATTACHMENTS  C-104, Deviation Report, Logs  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  WELL STATUS (Producing or shut-in) SI  WATER—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)  TEST WITNESSED BY MAY 2 0 1999  WATER—BBL. OIL GRAVITY-API (CORR.)  TEST WITNESSED BY MAY 2 0 1999   |                           |                  |                |               |  |               | 13,43            | 93 - 3  | 008                                    |              |  |               |                     |
| PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  ATE FIRST PRODUCTION  Flowing  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  Flowing  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  SI  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  SI  PROD'N FOR OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO  105 13,281  LOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE  180 NA  ACCEPTED FOR RECORD  Vented  C-104, Deviation Report, Logs  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |                           |                  |                |               |  |               | -                |         |  |              |  |               |                     |
| PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  O4/09/99  Flowing  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  Flowing  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  SI  NATE OF TEST  O4/13/99  24  48/64  FEST PERIOD  128  1700  105  13,281  105  105  106  FOR ACCEPTED FOR RECORD  Vented  C-104, Deviation Report, Logs  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |                           |                  |                |               |  |               |                  |         |  |              |  |               |                     |
| O4/09/99 Flowing  O5/04/09/99 Flowing  O5/04/09/99 Flowing  O6/04/13/99 24 48/64 Flowing  O6/04/13/99 128 1700 105 13,281  O6/04/14/13/99 128 1700 105 13,281  O6/04/14/14/14/14/14/14/14/14/14/14/14/14/14  | 33. *<br>                 |                  |                |               |  |               |                  |         |  |              |  |               |                     |
| ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD 128 1700 105 13,281  LOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE PROD'N FOR TEST PERIOD 128 1700 105 13,281  LOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE PROD'N FOR TEST PERIOD 128 1700 105 13,281  ACCEPTED FOR RECORD TEST WITNESSED BY Watth Lee  S. LIST OF ATTACHMENTS  C-104, Deviation Report, Logs 6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |                           | 1                |                | METHOD (FI    | owing, ga                              | s lift, pumj  | ping-size and    | type o  | f pump)                                |              |  |               | -                   |
| O4/13/99  24  48/64  TEST PERIOD  128  1700  105  13,281  LOW. TUBING PRESS.  180  NA  ACCEPTED FOR RECORD  TEST WATER—BBL.  OIL GRAVITY-API (CORR.)  50.9  ACCEPTED FOR RECORD  TEST WITNESSED BY  MAY 2 0 1999  MAY 2 0 1999  MAY 2 0 1999   |                           |                  | <del></del>    | IOVE OITE     | BRODE                                  | N FOR         |                  |         |  |              |  | ·             |                     |
| LOW. TUBING PRESS.  CASING PRESSURE CALCULATED 24-HOUR RATE 180 NA 126 1700 105 50.9  4. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented  5. LIST OF ATTACHMENTS  C-104, Deviation Report, Logs  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |                           |                  | IED C          |               |  |               | 1                |         |  |              |  | GA            | <del>-</del>        |
| 180  NA  24-HOUR RATE  126  1700  105  50.9  4. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  Vented  5. LIST OF ATTACHMENTS  C-104, Deviation Report, Logs  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  | FLOW. TUBING PRESS.       |                  |                | LCULATED      | OILE                                   | BBL.          | 1                |         |  |              | <del></del>                            | OIL GRAV      |                     |
| Vented  5. LIST OF ATTACHMENTS  C-104, Deviation Report, Logs  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  MAY 2 0 1999  | 180                       | NA               | 24             | HOUR RATE     |  | 126           |                  | 170     | ا ــــــــــــــــــــــــــــــــــــ |              |  |               | •                   |
| 5. LIST OF ATTACHMENTS  C-104, Deviation Report, Logs  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |                           | AS (Sold, used   | for fuel, ven  | ted, etc.)    |  | A             | CCEPTED          | FOF     | RECOR                                  |              |  | D BY          |                     |
| C-104, Deviation Report, Logs  6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |                           | NTS              | <del></del>    |               |  | <del>(O</del> | IIG. SGD.        | ) D/    | WID R.                                 | GLAS         | Sylattice                              |               | /~/                 |
| 6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records   |                           | _                | s              |               |  |               | MAY S            | 0 8     | 1999                                   | 11/          | ml                                     | wh            | " <i>5/</i> //      |
| SIGNED TITLE Engineer Manuer DATE 05/06/99   |                           |                  |                | information i | s complet                              | e and com     | ect as determi   | ned fro | m all availa                           | le record    | s II                                   |               | -/ <del>6</del> /9, |
|  | SIGNED                    | M                | )              |               | T                                      | ITUE Er       | ngineer MB       | Mer     |  | 1            | DATE                                   | <u> 05/06</u> | /99                 |
| *(See Instructions and Spaces for Additional Data on Reverse Side)   | <u></u>                   | */6              | on Inctr       | etions s      | nd 6==                                 | 1000 50       | ۔ ۔ اغالدام گارہ |         | ata a= F                               | 20110        | o Cido\                                |               |                     |

| Rotary Sidewall cores 6,520-13,624 (23 cores)   | Rotary Sidewall cores 6,520-13,624 (23 cores)   | FORMATION   | TOP   | воттом   | DESCRIPTION, CONTENTS, ETC. |                  |             |  |  |
|---|---|---|---|--|-----------------------------|------------------|-------------|--|--|
| NAME    TOP   | NAME    TOP   |   |   |  |                             |                  |             |  |  |
| NAME         MEAS. DEPTH         TRUE VERT. DEPTH         NAME         MEAS. DEPTH         TRUE VERT. DE           /Delware         5470'         5466'         5466'         5470'         8102'         5470'         8102'         6470'         8102'         6470'         8102'         6470'         8102'         6470'         8102'         6470'         8102'         6470'         8102'         6470'         8102'         6470'         8102'         6470'         8102'         6470'         6470'         8102'         6470' | NAME         MEAS. DEPTH         TRUE VERT. DEPTH         NAME         MEAS. DEPTH         TRUE VERT. DEP           Delware         5470'         5466'         5470'         8102'         5470'         8102'         5470'         8102'         5470'         8102'         5470'         8102'         5470' | GEOL  | OGICAL MARKERS  |  | 38. GE                      | OLOGICAL MARKERS |             |  |  |
| MEAS. DEPTH   TRUE   VERT. DEPTH   Delware   5470'   5466'  | MEAS. DEPTH VERT. DEPTH  Delware 5470' 5466' Sone Spring Sand 9995' 9902' rd Bone Spring Sand 10726' 10622'  Volfcamp 11163' 11058' Strawn 12240' 12125' stoka 12550' 12370'  |   | T(  |  | NIANZE                      | TC               | )P          |  |  |
| Delware       5470'       5466'         Bone Spring       8170'       8102'         2nd Bone Spring Sand       9995'       9902'         3rd Bone Spring Sand       10726'       10622'         Wolfcamp       11163'       11058'         Strawn       12240'       12125'   | Delware     5470'     5466'       Sone Spring     8170'     8102'       Ind Bone Spring Sand     9995'     9902'       Ind Bone Spring Sand     10726'     10622'       Volfcamp     11163'     11058'       Strawn     12240'     12125'       Intoka     12550'     12370'  | NAME  |   | TO   | INAME                       | MEAS. DEPTH      | TRUE        |  |  |
| 2nd Bone Spring Sand         9995'         9902'           3rd Bone Spring Sand         10726'         10622'           Volfcamp         11163'         11058'           Strawn         12240'         12125'   | nd Bone Spring Sand 9995' 9902' rd Bone Spring Sand 10726' 10622' Volfcamp 11163' 11058' strawn 12240' 12125' stoka 12550' 12370'   | NAME  | MEAS. DEPTH   | VERT. DEPTH  |                             |                  | VERT. DEPT  |  |  |
| Brd Bone Spring Sand         10726'         10622'           Volfcamp         11163'         11058'           Strawn         12240'         12125'  | rd Bone Spring Sand 10726' 10622' Volfcamp 11163' 11058' Strawn 12240' 12125' stoka 12550' 12370'   | elware  | 5470'   | VERT. DEPTH<br>5466'                               |                             |                  | VERT. DEPTI |  |  |
| Volfcamp         11163'         11058'           Strawn         12240'         12125'   | Volfcamp         11163'         11058'           strawn         12240'         12125'           stoka         12550'         12370'   | elware  | 5470'   | VERT. DEPTH<br>5466'                               |                             | ·                | VERT. DEPT  |  |  |
| Strawn 12240' 12125'  | Strawn 12240' 12125' toka 12550' 12370'   | elware<br>one Spring  | 5470'<br>8170'  | VERT. DEPTH<br>5466'<br>8102'                      |                             |                  | VERT. DEPT  |  |  |
| Strawn 12240' 12125'  | Strawn 12240' 12125' toka 12550' 12370'   | elware<br>one Spring<br>nd Bone Spring Sand                       | 5470'<br>8170'<br>9995'                               | VERT. DEPTH<br>5466'<br>8102'<br>9902'             |                             |                  | VERT. DEPT  |  |  |
|   | toka 12550' 12370'  | elware<br>one Spring<br>nd Bone Spring Sand<br>d Bone Spring Sand | 5470'<br>8170'<br>9995'<br>10726'                     | VERT. DEPTH 5466' 8102' 9902' 10622'               |                             |                  | VERT. DEPT  |  |  |
| 12000   12070   |   | elware one Spring nd Bone Spring Sand d Bone Spring Sand dolfcamp | 5470'<br>8170'<br>9995'<br>10726'<br>11163'           | VERT. DEPTH 5466' 8102' 9902' 10622' 11058'        |                             |                  | VERT. DEPT  |  |  |
| 100401  | 12842   12/36   | elware one Spring od Bone Spring Sand d Bone Spring Sand folicamp | 5470'<br>8170'<br>9995'<br>10726'<br>11163'<br>12240' | VERT. DEPTH 5466' 8102' 9902' 10622' 11058' 12125' |                             |                  | VERT. DEPT  |  |  |