



Commonwealth of Virginia  
 Department of Mines, Minerals, and Energy  
 Division of Gas and Oil  
 P.O. Box 1416; Abingdon, VA 24212  
 Telephone: (276) 676-5423

Tracking Number: 65  
 Company: CNX Gas Company LLC  
 File Number: TA-0274  
 Operations Name: CBM EE49 W/PL  
 Operation Type: Coalbed/Pipeline  
 Drilling Report Type: Original

### DRILLING REPORT (DGO-GO-14)

#### 1. Drilling Data

Date drilling commenced: 4/28/2006 Drilling Contractor: NOAH HORN  
 Date drilling completed: 5/6/2006 Rig Type:  Rotary  Cable Tool  
 Driller's Total Depth (feet): 2,525  
 Log Total Depth (feet): 2,492 Coal Seam At Total Depth Pocahontas

#### 2. Final Location Plat (as required by 4 VAC25-150-360.C.)

Permitted State Plane X 1,033,565 Final Plat State Plane X: 1,033,565  
 Permitted State Plane Y: 307,570 Final Plat State Plane Y: 307,570

Plat Previously Submitted Or...

List of Attached Items:

| Description | FileName            |
|-------------|---------------------|
| EE49        | EE49 FINAL PLAT.jpg |

#### 3. Geological Data

Fresh Water At:

| Depth (in feet) | Rate | Unit of Measure |
|-----------------|------|-----------------|
| 1,080           |      | INCH            |

Salt Water At:

| Depth (in feet) | Rate | Unit of Measure |
|-----------------|------|-----------------|
|                 |      |                 |

**Coal Seams**

List of Attached Items:

| Description | FileName           |
|-------------|--------------------|
| EE49        | EE49 EXHIBIT A.htm |

**Gas and Oil Shows**

List of Attached Items:

| Description | FileName          |
|-------------|-------------------|
| EE49        | EE49 GAS SHOW.jpg |

**4. Electric Logs** (As required by 4VAC25-150-280.A.)

List all logs run: DENSITY,GAMMA,CALIPER,TEMP,DEVIATION

Did logs disclose vertical locations of a coal seam?  Yes  No

**5. Survey Results** (As required by 4VAC25-150-280.B.2)

List of Attached Items:

| Description | FileName               |
|-------------|------------------------|
| EE49        | EE49 DEVIATION LOG.jpg |

**6. Casing and Tubing Program**

List of Attached Items:

| Description | FileName        |
|-------------|-----------------|
| EE49        | EE49 CASING.jpg |

**7. Remarks**

Use this space to note any conditions or occurrences, such as lost circulation, fishing jobs, junk left in hole, sidetracks, squeeze jobs, etc., not shown above. Include data and depth of condition/occurrence.

**8. Drillers Log**

Compiled By: LESLIE ARRINGTON

List of Attached Items:

| Description | FileName              |
|-------------|-----------------------|
| EE49        | EE49 DRILLERS LOG.pdf |

**9. Comments**

**10. Signature**

Permitee: CNX Gas Company LLC Date: 12/6/2006 (Company)

Signed By: LESLIE ARRINGTON Title: MANAGER (Signature)

**INTERNAL USE ONLY**

Submit Date: 12/6/2006

Status: Inspr Approved

Date: 1/18/2007

Final PDF Date: \_\_\_\_\_

TA 274 22C

12,815'

BEARING BASIS:  
VIRGINIA STATE PLANE - SOUTH ZONE - NAD'27

LATITUDE: 37° 10' 00"

LONGITUDE: 81° 47' 30"

7,040'



FINAL LOCATION  
CBM-EE49

CBM

N 12°20'10" W  
669.36'

N 11°56'00" W  
1275.02'

IP



EE49FNL DGO  
RDASHCNX7/73-0504/30

### WELL LOCATION PLAT

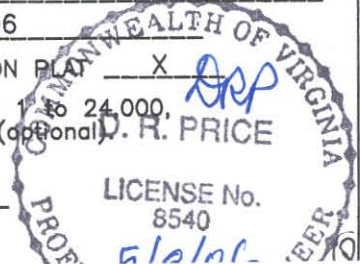
COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-EE49  
TRACT NUMBER RESERVE COAL PROPERTIES QUADRANGLE JEWELL RIDGE  
DISTRICT: MAIDEN SPRINGS

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 307,569.95 E 1,033,565.14  
ELEVATION: 2948.11' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S  
COUNTY TAZEWELL Scale: 1" = 400' Date 05-04-06

THIS PLAT IS A NEW PLAT \_\_\_\_\_; AN UPDATED PLAT \_\_\_\_\_; OR A FINAL LOCATION PLAT X

+ Denotes the location of a well on United States Topographic Maps, scale 1" = 24,000, latitude and longitude lines being represented by border lines as shown (optional).

*D. R. Price*



Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

| FORMATION  | TOP  | BOTTOM | THICKNESS | IPF<br>(MCFD/BOPD) | PRESSURE | HOURS<br>TESTED |
|------------|------|--------|-----------|--------------------|----------|-----------------|
| Lee/Norton | 1027 | 1469   | 442       | (See Below)        |          |                 |
| Pocahontas | 1490 | 2257   | 767       | (See Below)        |          |                 |
| Total IPF  |      |        |           | 6.8 thru ½"        |          |                 |
|            |      |        |           |                    |          |                 |

CASING AND TUBING PROGRAM

|                                      | Casing  | Casing Interval | Hole Size | Cement Used In Cu/Ft | Cemented To Surface      |                          | Date Cemented | Packers Or Bridge Plugs Kind/Size/Set |
|--------------------------------------|---------|-----------------|-----------|----------------------|--------------------------|--------------------------|---------------|---------------------------------------|
|                                      |         |                 |           |                      | Yes                      | No                       |               |                                       |
| Conductor                            | 13 3/8" | 47.55'          | 15 3/8"   |                      |                          | X                        | 5-1-06        |                                       |
| Surface                              | 9 5/8"  | 221'            | 12 3/8"   | 129.8 Cu/ft          | X                        |                          | 5-1-06        | Basket@ 88'                           |
| Water Protection                     | 4 1/2"  | 2300'           | 6 1/2"    | 439 Cu/ft            | X                        | <input type="checkbox"/> | 5-6-06        |                                       |
| Coal Protection                      | 4 1/2"  | 2300'           | 6 1/2"    | 439 Cu/ft            | X                        | <input type="checkbox"/> | 5-6-06        |                                       |
| Other Casing And Tubing Left In Well |         |                 |           |                      |                          |                          |               |                                       |
| Liners                               |         |                 |           |                      | <input type="checkbox"/> | <input type="checkbox"/> |               |                                       |

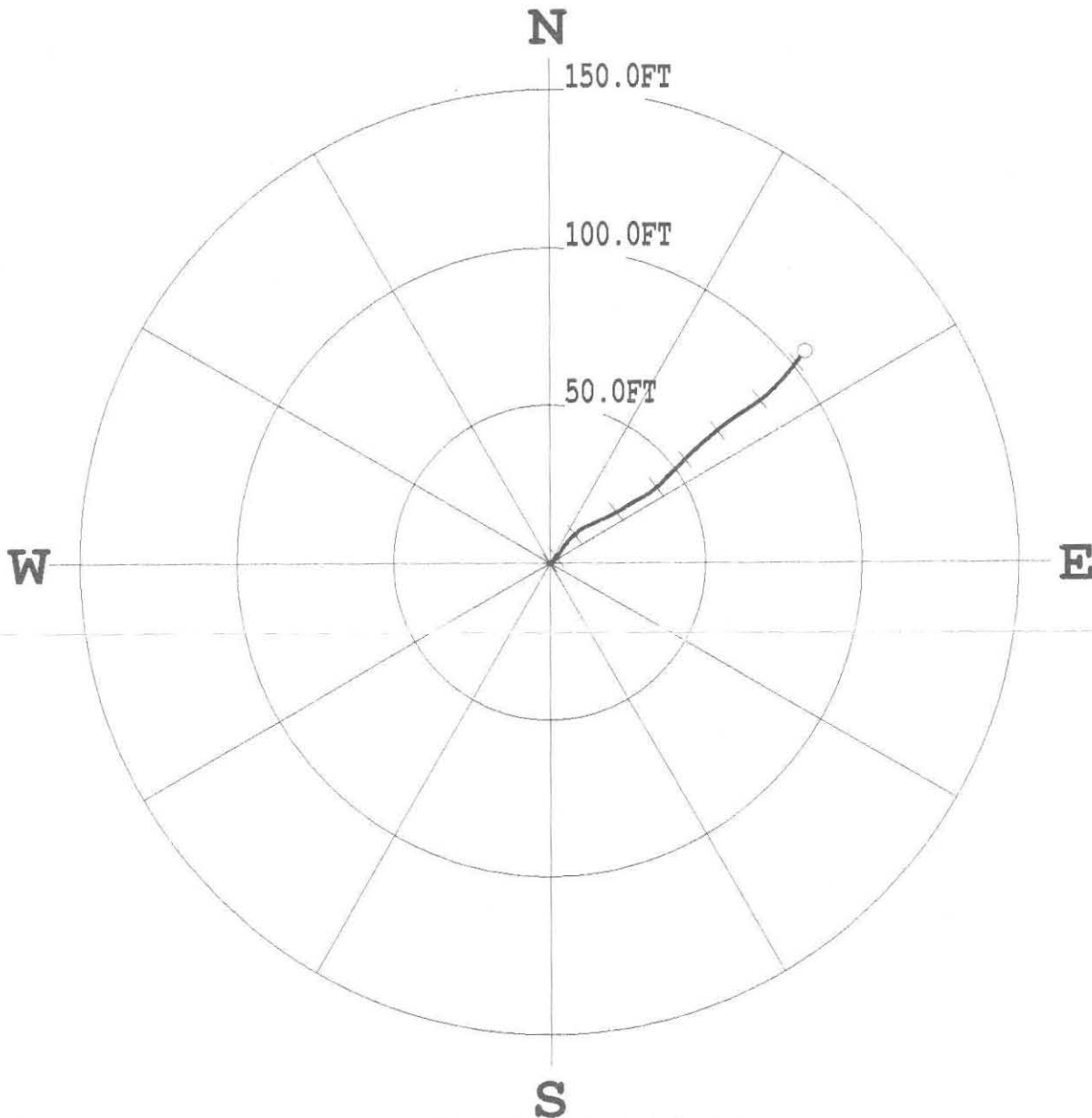
# PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY  
 LOCATION: -  
 HOLE ID: 06-CNX-EE-49  
 DATE OF LOG: 05/04/06  
 PROBE: 9136CH 1244



MAG DECL: -7.1

SCALE: 50 FT/IN  
 TRUE DEPTH: 2489.06 FT  
 AZIMUTH: 50.8  
 DISTANCE: 105.6 FT  
 + = 300 FT INCR  
 ○ = BOTTOM OF HOLE



\*\*\*\*\* COMPU-LOG - VERTICAL DEVIATION \*\*\*\*\*

|   |                 |             |                 |
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|--------------------------------------|---------|-----------------|-----------|----------------------|--------------------------|--------------------------|---------------|---------------------------------------|
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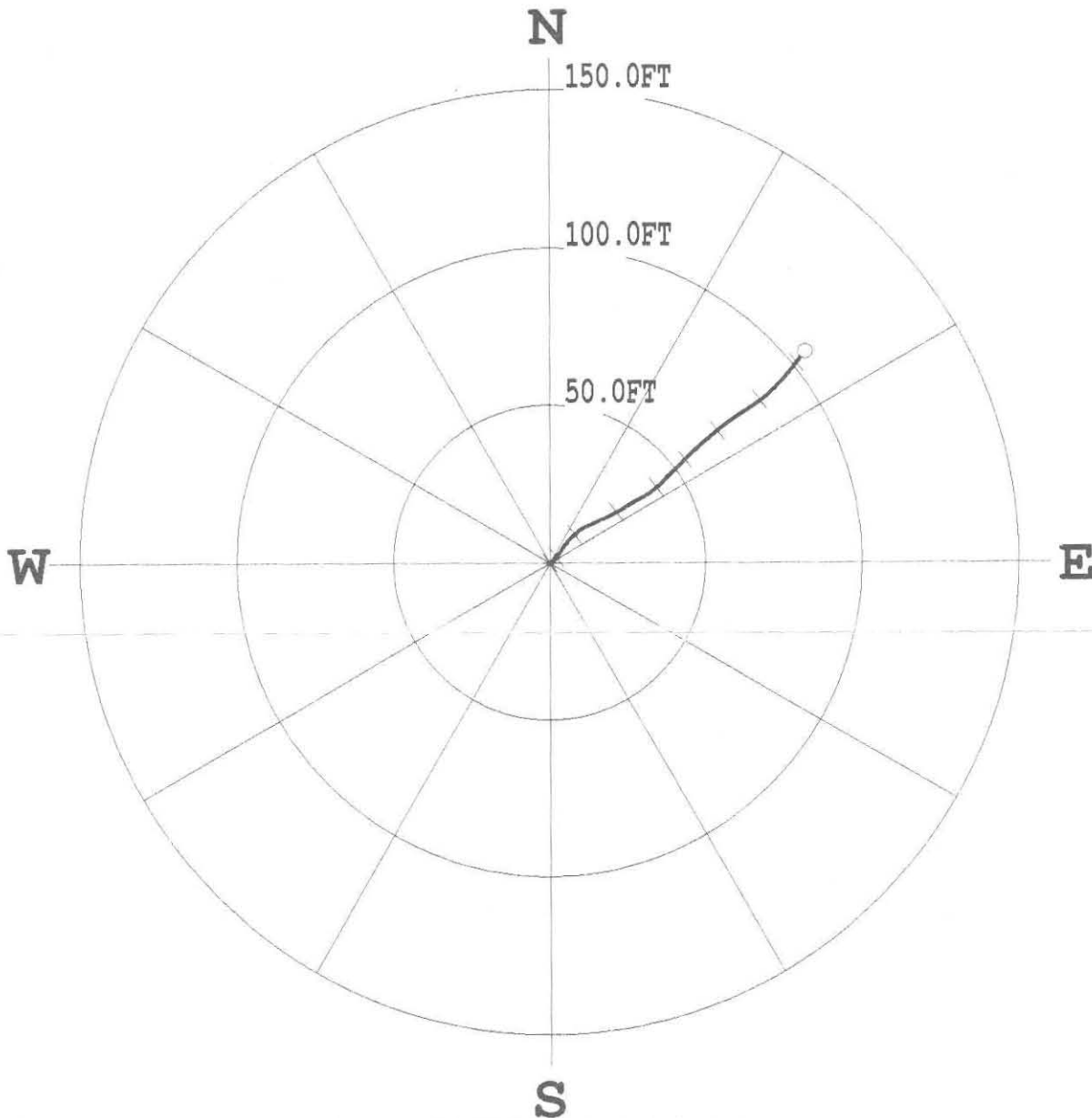
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TA 274 22C

12,815'

BEARING BASIS:  
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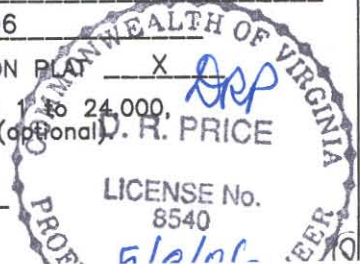
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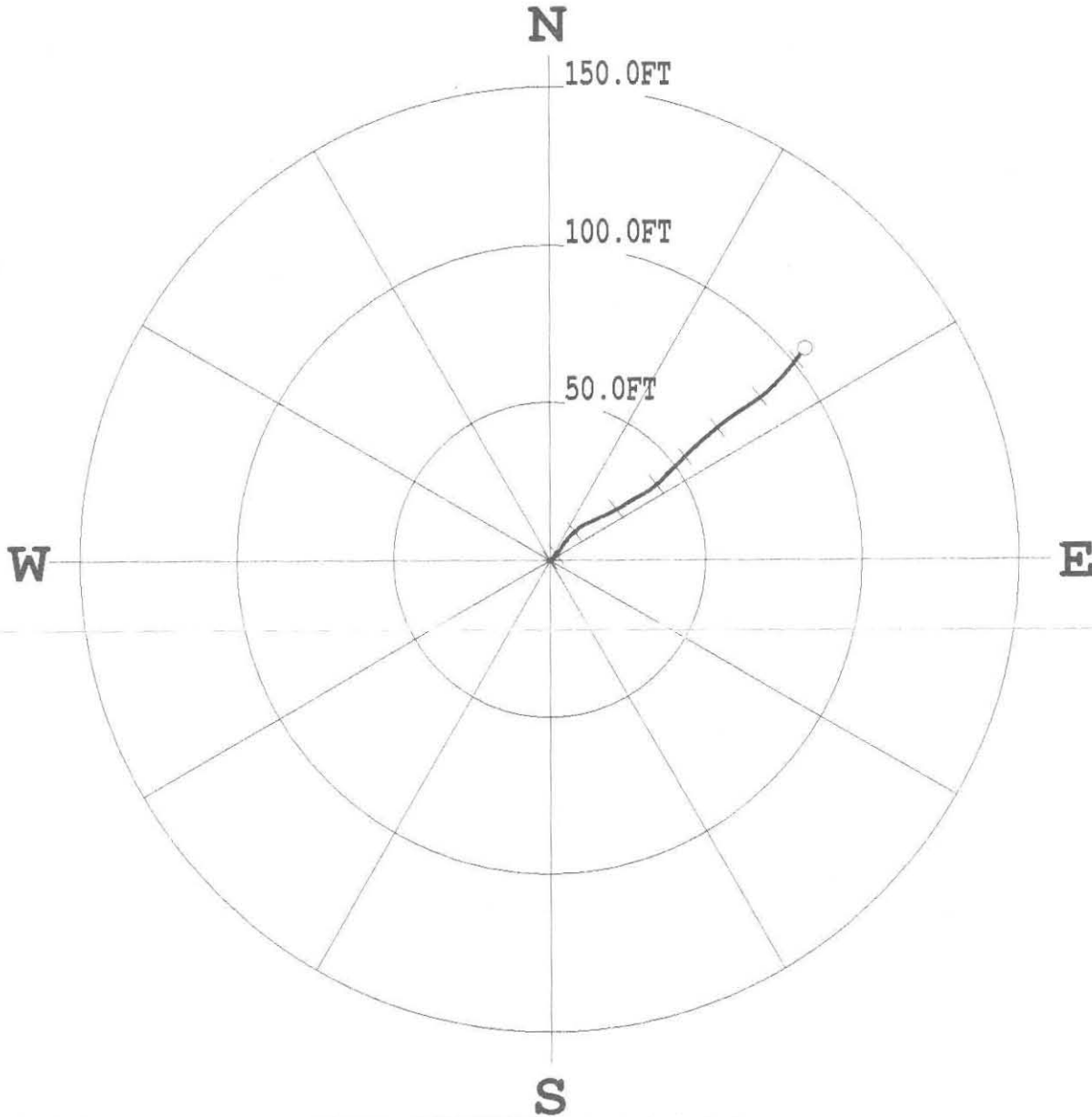
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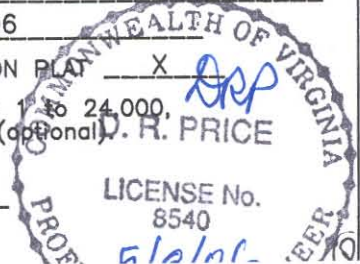
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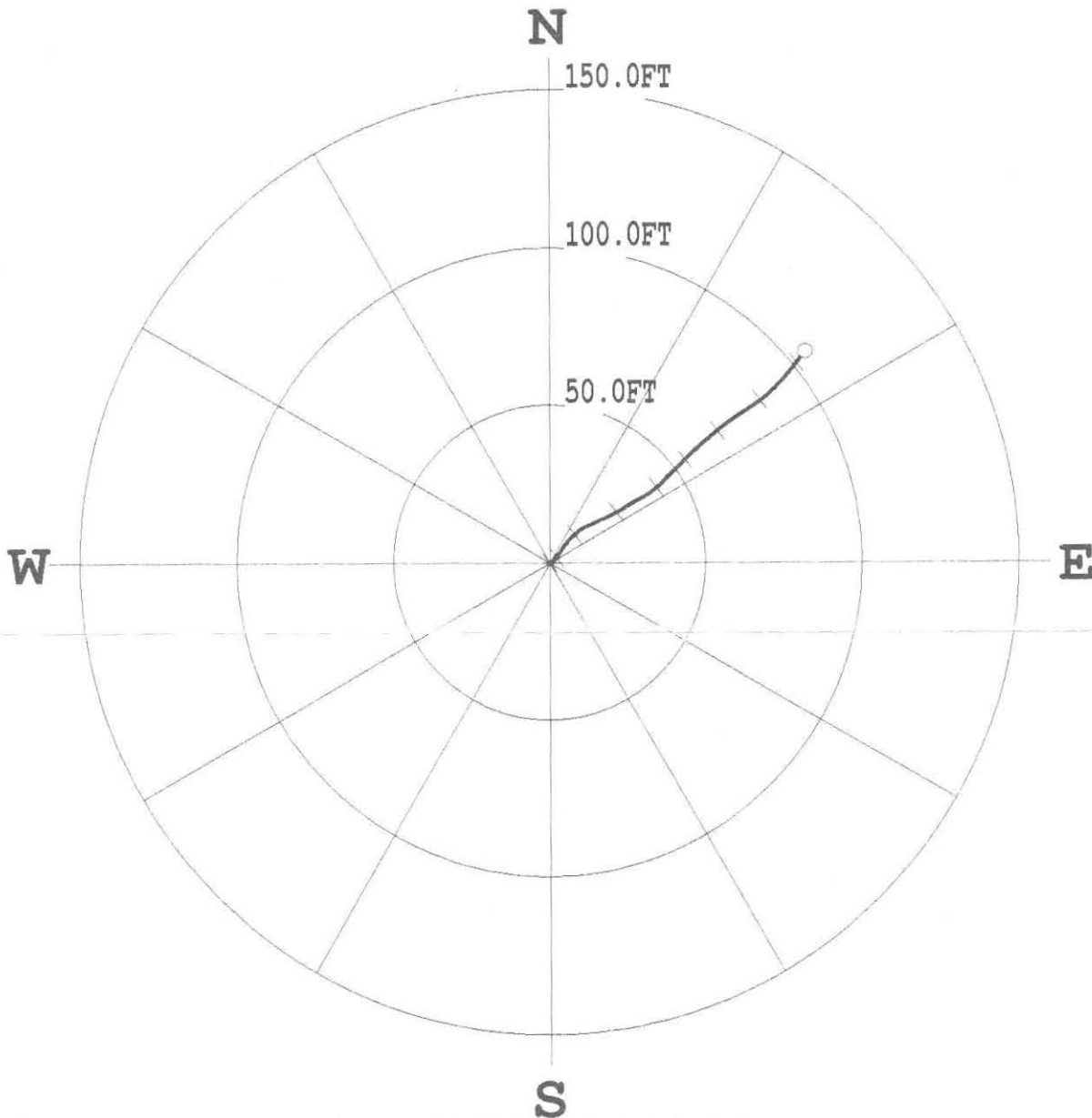
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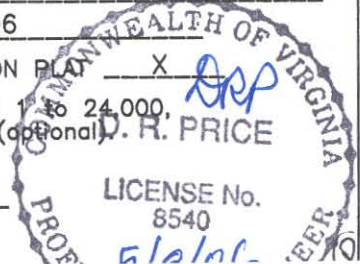
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|            |      |        |           |                    |          |                 |

**DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC**

**COMPANY: CNX**

**HOLE #: EE-49**

**LOCATION: WEST FORK**

**DRILL RIG #:88**

**DATE STARTED: 04-28-06**

**DATED COMPLETED: 05-06-06**

**ELECTRIC LOGGED: YES**

**GROUTED: YES**

| DEPTH |       | THICKNESS | STRATA                 | REMARKS |
|-------|-------|-----------|------------------------|---------|
| FROM  | TO    | FT        | DESCRIPTION, VOIDS ETC |         |
| 0     | 47.55 | 47.55     | OVERBURDEN             |         |
| 47.55 | 90    | 42.45     | SAND/SHALE             |         |
| 90    | 120   | 30        | SAND/SHALE/COAL        |         |
| 120   | 240   | 120       | SAND/SHALE             |         |
| 240   | 270   | 30        | SAND/SHALE/COAL        |         |
| 270   | 300   | 30        | SAND/SHALE             |         |
| 300   | 420   | 120       | SAND/SHALE/COAL        |         |
| 420   | 510   | 90        | SAND/SHALE             |         |
| 510   | 540   | 30        | SAND/SHALE/COAL        |         |
| 540   | 570   | 30        | SAND/SHALE             |         |
| 570   | 600   | 30        | SAND/SHALE/COAL        |         |
| 600   | 660   | 60        | SAND/SHALE             |         |
| 660   | 690   | 30        | SAND/SHALE/COAL        |         |
| 690   | 720   | 30        | SAND/SHALE             |         |
| 720   | 780   | 60        | SAND/SHALE/COAL        |         |
| 780   | 810   | 30        | SAND/SHALE             |         |
| 810   | 840   | 30        | SAND/SHALE/COAL        |         |
| 840   | 870   | 30        | SAND/SHALE             |         |
| 870   | 930   | 60        | SAND/SHALE/COAL        |         |
| 930   | 990   | 60        | SAND/SHALE             |         |
| 990   | 1080  | 90        | SAND/SHALE/COAL        |         |
| 1080  | 1110  | 30        | SAND/SHALE             |         |
| 1110  | 1140  | 30        | SAND/SHALE/COAL 1138'  |         |
| 1140  | 1200  | 60        | SAND/SHALE             |         |
| 1200  | 1290  | 90        | SAND/SHALE/COAL        |         |
| 1290  | 1350  | 60        | SAND/SHALE/COAL        |         |
| 1350  | 1380  | 30        | SAND                   |         |
| 1380  | 1500  | 120       | SAND/SHALE/COAL        |         |
| 1500  | 1530  | 30        | SAND                   |         |
| 1530  | 1560  | 30        | SAND/SHALE/COAL        |         |
| 1560  | 1590  | 30        | SAND/SHALE             |         |
| 1590  | 1650  | 60        | SAND/SHALE/COAL        |         |
| 1650  | 1710  | 60        | SAND/SHALE             |         |
| 1710  | 1740  | 30        | SAND/SHALE/COAL        |         |
| 1740  | 1770  | 30        | SAND/SHALE             |         |
| 1770  | 1890  | 120       | SAND/SHALE/COAL        |         |
| 1890  | 1925  | 35        | SAND/SHALE             |         |
| 1925  | 1955  | 30        | SAND/SHALE             |         |
| 1955  | 2015  | 60        | SAND/SHALE/COAL        |         |
| 2015  | 2020  | 5         | P-3 COAL               |         |
| 2020  | 2045  | 25        | SAND/SHALE/COAL        |         |
| 2045  | 2075  | 30        | SAND/SHALE             |         |

|      |      |     |                          |
|------|------|-----|--------------------------|
| 2075 | 2105 | 30  | SAND/SHALE/COAL          |
| 2105 | 2135 | 30  | SAND/SHALE               |
| 2135 | 2165 | 30  | SAND/SHALE/COAL          |
| 2165 | 2195 | 30  | SAND/SHALE               |
| 2195 | 2255 | 60  | SAND/SHALE/COAL          |
| 2255 | 2285 | 30  | SAND/SHALE               |
| 2285 | 2315 | 30  | SAND/SHALE               |
| 2315 | 2495 | 180 | SAND/SHALE               |
| 2495 | 2525 | 30  | SAND/SHALE (RED & GREEN) |

2525.00 FT. TOTAL DEPTH  
 47.55 FT. OF 13 3/8" CASING  
 221.00 FT. OF 9 5/8" CASING  
 2300.00 FT. OF 4 1/2" CASING