

|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Submit To Appropriate District Office<br>State Lease - 6 copies<br>Fee Lease - 5 copies<br><b>District I</b><br>1625 N. French Dr., Hobbs, NM 88240<br><b>District II</b><br>1301 W. Grand Avenue, Artesia, NM 88210<br><b>District III</b><br>1000 Rio Brazos Rd., Aztec, NM 87410<br><b>District IV</b><br>1220 S. St. Francis Dr., Santa Fe, NM 87505                              | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> | <b>Form C-105</b><br>Revised June 10, 2003<br><br>WELL API NO.<br>30-015-33580<br><br>5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/><br><br>State Oil & Gas Lease No. _____ |
| <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
| 1a. Type of Well:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____<br><br>b. Type of Completion:<br>NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF.<br>WELL OVER BACK RESVR. <input type="checkbox"/> OTHER _____ |                                                                                                                                                                                       | 7. Lease Name or Unit Agreement Name<br><br>RED LAKE 36 A STATE                                                                                                                                                                  |
| 2. Name of Operator<br>EDGE PETROLEUM OPER. CO., INC.                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       | 8. Well No.<br>1                                                                                                                                                                                                                 |
| 3. Address of Operator<br>1301 TRAVIS, SUITE 2000 HOUSTON, TX 77002                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | 9. Pool name or Wildcat<br>RED LAKE; GLORIETTA-YESO, NORTHEAST                                                                                                                                                                   |
| 4. Well Location<br><br>Unit Letter <u>A</u> : <u>330</u> Feet From The <u>NORTH</u> Line and <u>990</u> Feet From The <u>EAST</u> Line<br>Section <u>36</u> Township <u>17-S</u> Range <u>27-E</u> NMPM EDDY County                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
| 10. Date Spudded<br>9-24-04                                                                                                                                                                                                                                                                                                                                                           | 11. Date T.D. Reached<br>10-4-04                                                                                                                                                      | 12. Date Compl. (Ready to Prod.)<br>12-26-04                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       | 13. Elevations (DF& RKB, RT, GR, etc.)<br>3615' GR                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       | 14. Elev. Casinghead                                                                                                                                                                                                             |
| 15. Total Depth<br>3650'                                                                                                                                                                                                                                                                                                                                                              | 16. Plug Back T.D.<br>3594'                                                                                                                                                           | 17. If Multiple Compl. How Many Zones? NA                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       | 18. Intervals Rotary Tools Cable Tools<br>Drilled By XXX 3650'                                                                                                                                                                   |
| 19. Producing Interval(s), of this completion - Top, Bottom, Name<br>3220'-3434' YESO                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       | 20. Was Directional Survey Made<br>NO                                                                                                                                                                                            |
| 21. Type Electric and Other Logs Run<br>Cement Bond Gamma-Ray CCL, Dual-Spaced Neutron, Dual Laterolog                                                                                                                                                                                                                                                                                |                                                                                                                                                                                       | 22. Was Well Cored<br>YES                                                                                                                                                                                                        |
| <b>23. CASING RECORD (Report all strings set in well)</b>                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                           | WEIGHT LB./FT.                                                                                                                                                                        | DEPTH SET                                                                                                                                                                                                                        |
| 8 5/8"                                                                                                                                                                                                                                                                                                                                                                                | 24#                                                                                                                                                                                   | 420'                                                                                                                                                                                                                             |
| 5 1/2"                                                                                                                                                                                                                                                                                                                                                                                | 17#                                                                                                                                                                                   | 3642'                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
| 24. LINER RECORD                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                       | 25. TUBING RECORD                                                                                                                                                                                                                |
| SIZE TOP BOTTOM                                                                                                                                                                                                                                                                                                                                                                       | SACKS CEMENT SCREEN                                                                                                                                                                   | SIZE DEPTH SET PACKER SET                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       | 2 7/8" 3594' 3159'                                                                                                                                                                                                               |
| 26. Perforation record (interval, size, and number)<br>1 SPF as follows: 3220', 3222', 3232', 3234', 3241', 3255', 3270', 3272', 3274', 3280', 3291', 3297-98', 3300', 3302', 3304', 3307', 3309', 3311', 3315', 3326', 3328', 3330', 3342', 3344', 3346', 3348', 3365', 3367', 3369', 3382', 3384-85', 3402', 3410', 3416', 3425', 3430', & 3434'. 0.51" EHD & 21.51" TTP            |                                                                                                                                                                                       | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.<br>DEPT H INTERVAL AMOUNT AND KIND MATERIAL USED<br>3220-3434' 34,438 gallons 15% HCl                                                                                            |
| <b>28 PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
| Date First Production<br>12-28-04                                                                                                                                                                                                                                                                                                                                                     | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>PUMPING                                                                                                        | Well Status (Prod. or Shut-in)<br>PRODUCING                                                                                                                                                                                      |
| Date of Test<br>1-19-05                                                                                                                                                                                                                                                                                                                                                               | Hours Tested<br>24                                                                                                                                                                    | Choke Size<br>64/64                                                                                                                                                                                                              |
| Prod'n For Test Period                                                                                                                                                                                                                                                                                                                                                                | Oil - Bbl<br>37                                                                                                                                                                       | Gas - MCF<br>70                                                                                                                                                                                                                  |
| Water - Bbl.<br>185                                                                                                                                                                                                                                                                                                                                                                   | Gas - Oil Ratio<br>1892                                                                                                                                                               |                                                                                                                                                                                                                                  |
| Flow Tubing Press.<br>20                                                                                                                                                                                                                                                                                                                                                              | Casing Pressure<br>20                                                                                                                                                                 | Calculated 24-Hour Rate<br>37                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                       | Oil - Bbl.<br>37                                                                                                                                                                      | Gas - MCF<br>70                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                       | Water - Bbl.<br>185                                                                                                                                                                   | Oil Gravity - API - (Corr.)<br>40                                                                                                                                                                                                |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>SOLD                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                       | Test Witnessed By                                                                                                                                                                                                                |
| 30. List Attachments<br>Logs, Deviation report, Drilled sidewall core analysis report                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
| 31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief                                                                                                                                                                                                                                                |                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
| Signature<br>                                                                                                                                                                                                                                                                                                                                                                         | Printed Name<br>Jim Keisling                                                                                                                                                          | Title V.P. Production                                                                                                                                                                                                            |
| E-mail Address<br>jkeisling@edgepet.com                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                       | Date 1-27-05                                                                                                                                                                                                                     |

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico |                  | Northwestern New Mexico |                  |
|-------------------------|------------------|-------------------------|------------------|
| T. Anhy                 | T. Canyon        | T. Ojo Alamo            | T. Penn. "B"     |
| T. Salt                 | T. Strawn        | T. Kirtland-Fruitland   | T. Penn. "C"     |
| B. Salt                 | T. Atoka         | T. Pictured Cliffs      | T. Penn. "D"     |
| T. Yates                | T. Miss          | T. Cliff House          | T. Leadville     |
| T. 7 Rivers 450         | T. Devonian      | T. Menefee              | T. Madison       |
| T. Queen 980            | T. Silurian      | T. Point Lookout        | T. Elbert        |
| T. Grayburg 1417        | T. Montoya       | T. Mancos               | T. McCracken     |
| T. San Andres 1738      | T. Simpson       | T. Gallup               | T. Ignacio Otzte |
| T. Glorieta 3100        | T. McKee         | Base Greenhorn          | T. Granite       |
| T. Paddock              | T. Ellenburger   | T. Dakota               | T.               |
| T. Blinebry             | T. Gr. Wash      | T. Morrison             | T.               |
| T. Tubb                 | T. Delaware Sand | T. Todilto              | T.               |
| T. Drinkard             | T. Bone Springs  | T. Entrada              | T.               |
| T. Abo                  | T. YESO 3220     | T. Wingate              | T.               |
| T. Wolfcamp             | T.               | T. Chinle               | T.               |
| T. Penn                 | T.               | T. Permian              | T.               |
| T. Cisco (Bough C)      | T.               | T. Penn "A"             | T.               |

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 3, from.....to.....

No. 2, from.....to.....

No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

WELL NAME AND NUMBER Red Lake 36A State No. 1  
LOCATION 330' FNL & 990' FEL, Section 36, T17S, R27E, Eddy County NM  
OPERATOR Edge Petroleum Operating Company, Inc.  
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

| <u>Degrees @ Depth</u>      | <u>Degrees @ Depth</u>      | <u>Degrees @ Depth</u>      |
|-----------------------------|-----------------------------|-----------------------------|
| <u>1° 420'</u>              | <u>                    </u> | <u>                    </u> |
| <u>3/4° 1000'</u>           | <u>                    </u> | <u>                    </u> |
| <u>3/4° 1501'</u>           | <u>                    </u> | <u>                    </u> |
| <u>1/2° 2004'</u>           | <u>                    </u> | <u>                    </u> |
| <u>3/4° 2505'</u>           | <u>                    </u> | <u>                    </u> |
| <u>1/2° 3003'</u>           | <u>                    </u> | <u>                    </u> |
| <u>1/4° 3650'</u>           | <u>                    </u> | <u>                    </u> |
| <u>                    </u> | <u>                    </u> | <u>                    </u> |

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OCULUS

Drilling Contractor United Drilling, Inc.

By: George A. Aho  
George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 8th day of October,  
2004.

[Signature]  
Notary Public

My Commission Expires: 01-02-05

Bernalillo New Mexico  
County State

# Drilled Sidewall Core Analysis Report

Company : Edge Petroleum Op. Co., Inc.  
 File No. : 04285  
 Well : Red Lake 36 "A" State No. 1  
 Location : 330' FNL & 990' FEL, Sec 36, T17S, R27E

Field: Red Lake  
 Formation:  
 County : Eddy County, New Mexico

| Sample Number | Depth | Air Permeability | Klinkenberg Permeability | Porosity | Grain Density | Sw | So | Gas   | Fluorescence | Sample Description |
|---------------|-------|------------------|--------------------------|----------|---------------|----|----|-------|--------------|--------------------|
|               | ft    | mD               | mD                       | %        | g/cc          | %  | %  | Units | %            | Description        |

## Confining Pressure 500psi

|     |         |            |            |       |      |      |      |      |     |            |
|-----|---------|------------|------------|-------|------|------|------|------|-----|------------|
| 1   | 1,229.0 | 0.1675     | 0.1235     | 7.90  | 2.67 | 47.1 | 17.0 | 500+ | 80  | DI gld lam |
| 2   | 1,282.0 | 0.1202     | 0.0852     | 5.11  | 2.70 | 54.3 | 10.9 | 278  | 30  | DI gld lam |
| 3   | 1,328.0 | 0.8075     | 0.6745     | 7.08  | 2.76 | 78.4 | 0.0  | 8    | 0   |            |
| 4   | 1,373.0 | 0.5360     | 0.4273     | 8.23  | 2.71 | 66.7 | 0.0  | 3    | 0   |            |
| 5   | 1,418.0 | 0.0185     | 0.0098     | 1.17  | 2.92 | 71.4 | 0.0  | 1    | 0   |            |
| 6   | 1,447.0 | 0.1233     | 0.0880     | 12.00 | 2.71 | 72.7 | 0.0  | 37   | 0   |            |
| 7   | 1,471.0 | 0.0191     | 0.0101     | 2.31  | 2.85 | 74.2 | 0.0  | 10   | 0   |            |
| 8   | 1,539.0 | 6.99       | 6.41       | 11.87 | 2.65 | 67.5 | 0.0  | 160  | 0   |            |
| 9   | 1,637.0 | 2.74(frac) | 2.38(frac) | 10.27 | 2.73 | 73.8 | 0.0  | 28   | 0   |            |
| 10  | 1,681.0 | 0.1037     | 0.0717     | 6.19  | 2.70 | 75.6 | 0.0  | 9    | tr  | Yl         |
| 11  | 1,704.0 | 0.1381     | 0.0988     | 7.36  | 2.67 | 47.9 | 17.8 | 500+ | 90  | Brt yl     |
| 12  | 1,734.0 | 0.1313     | 0.0944     | 8.72  | 2.70 | 76.9 | 0.0  | 9    | 0   |            |
| 13  | 1,788.0 | 0.0055     | 0.0023     | 1.47  | 2.75 | 73.7 | 0.0  | 6    | 0   |            |
| 14* | 1,847.0 | tbfa       | tbfa       | 5.28  | 2.86 | 71.8 | 0.0  | 29   | tr  | Brt yl     |
| 15  | 1,889.0 | 0.1214     | 0.0839     | 13.34 | 2.86 | 47.4 | 21.3 | 500+ | 100 | Brt yl     |
| 16  | 2,080.0 | 0.6139     | 0.5017     | 10.34 | 2.79 | 48.1 | 14.1 | 500+ | 50  | Yl sp      |
| 17  | 2,141.0 | 0.1592     | 0.1151     | 7.43  | 2.81 | 42.9 | 17.5 | 500+ | 80  | Yl sp      |
| 18  | 2,269.0 | 17.37      | 16.36      | 11.62 | 2.84 | 51.5 | 19.0 | 153  | 95  | Yl-yl sp   |
| 19  | 2,284.0 | 16.40      | 15.43      | 17.65 | 2.81 | 49.0 | 22.6 | 500+ | 100 | Yl-yl sp   |
| 20  | 2,556.0 | 5.86       | 5.33       | 11.24 | 2.79 | 41.8 | 18.4 | 500+ | 95  | DI yl      |

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# Drilled Sidewall Core Analysis Report

**Company :** Edge Petroleum Op. Co., Inc.  
**File No. :** 04285  
**Well :** Red Lake 36 "A" State No. 1  
**Location :** 330' FNL & 990' FEL, Sec 36, T17S, R27E

**Field:** Red Lake  
**Formation:**  
**County :** Eddy County, New Mexico

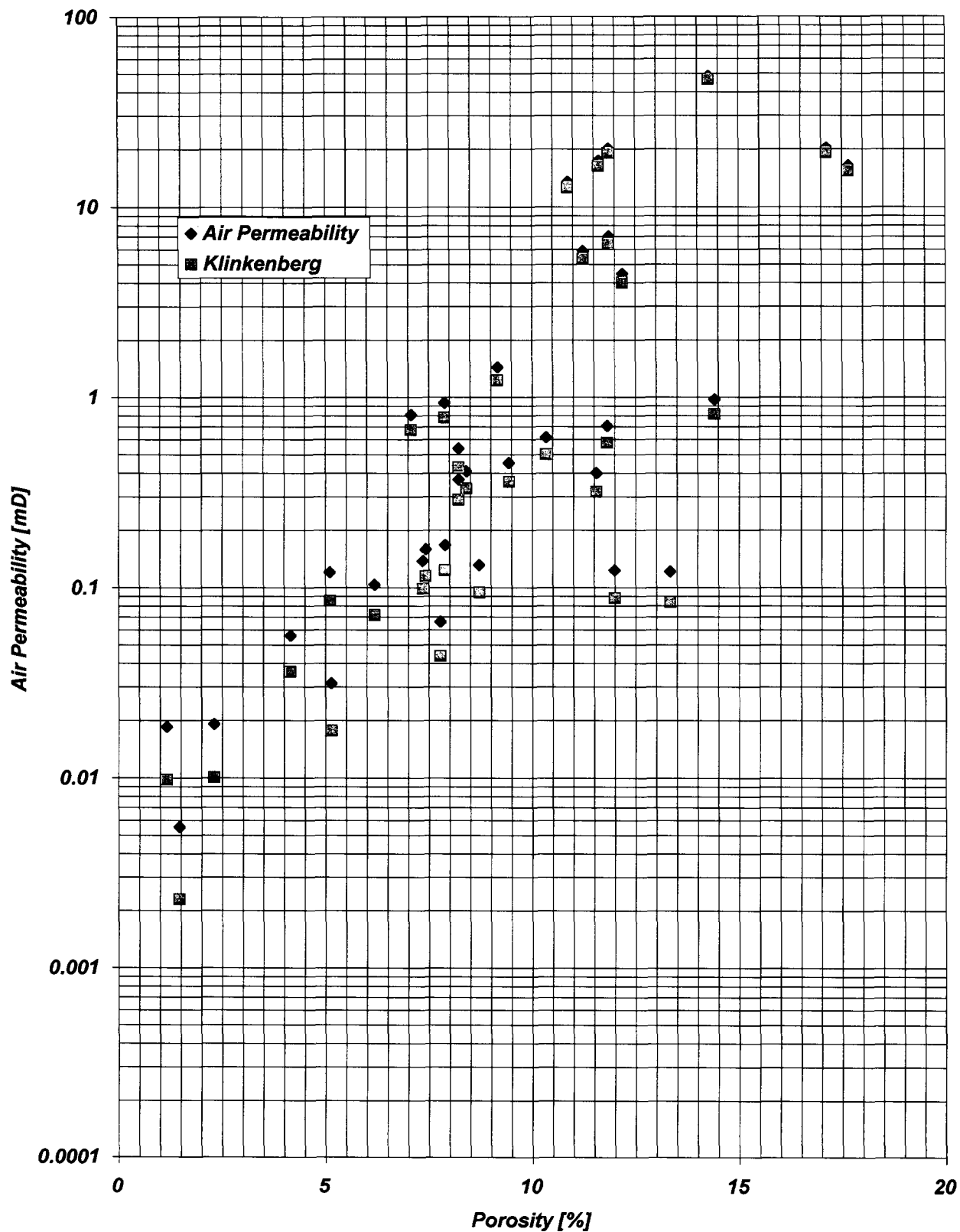
| Sample Number | Depth   | Air Permeability | Klinkenberg Permeability | Porosity | Grain Density | Sw   | So   | Gas   | Fluorescence | Sample Description |
|---------------|---------|------------------|--------------------------|----------|---------------|------|------|-------|--------------|--------------------|
|               | ft      | mD               | mD                       | %        | g/cc          | %    | %    | Units | %            | Description        |
| 21            | 2,569.0 | 1.44             | 1.23                     | 9.16     | 2.84          | 50.4 | 19.2 | 500+  | 95           | DI yl sp           |
| 22            | 2,666.0 | 0.4501           | 0.3608                   | 9.44     | 2.81          | 45.4 | 18.7 | 500+  | 95           | Yl sp              |
| 23            | 2,687.0 | 0.0661           | 0.0436                   | 7.78     | 2.74          | 69.0 | 0.0  | 71    | 0            |                    |
| 24            | 2,857.0 | 0.9309           | 0.7843                   | 7.88     | 2.84          | 55.6 | 12.8 | 500+  | 40           | Yl-grn sp          |
| 25            | 2,892.0 | 0.0313           | 0.0177                   | 5.15     | 2.82          | 74.1 | 0.0  | 26    | 0            |                    |
| 26            | 3,030.0 | 0.0558           | 0.0362                   | 4.16     | 2.86          | 58.6 | 4.9  | 220   | 10           | Brt yl-grn sp      |
| 27            | 3,119.0 | 0.3692           | 0.2902                   | 8.22     | 2.67          | 48.7 | 19.4 | 500+  | 95           | V dl yl            |
| 28            | 3,221.0 | 0.4080           | 0.3316                   | 8.41     | 2.83          | 47.9 | 20.3 | 364   | 100          | Yl                 |
| 29            | 3,232.0 | 13.48            | 12.65                    | 10.87    | 2.84          | 43.7 | 21.5 | 400   | 100          | DI yl              |
| 30            | 3,272.0 | 48.35            | 46.63                    | 14.28    | 2.80          | 46.3 | 20.4 | 390   | 100          | DI yl              |
| 31            | 3,273.0 | 20.16            | 19.10                    | 11.85    | 2.82          | 49.5 | 21.0 | 377   | 100          | DI yl              |
| 32            | 3,300.0 | 0.9720           | 0.8163                   | 14.41    | 2.69          | 47.4 | 19.8 | 448   | 100          | DI yl              |
| 33            | 3,328.0 | 0.3991           | 0.3198                   | 11.56    | 2.68          | 45.0 | 20.5 | 308   | 100          | DI yl              |
| 34            | 3,367.0 | 0.7049           | 0.5776                   | 11.82    | 2.83          | 44.1 | 22.2 | 425   | 100          | DI yl-grn          |
| 35            | 3,383.0 | 20.29            | 19.22                    | 17.12    | 2.82          | 42.7 | 23.1 | 347   | 100          | DI yl-grn          |
| 36            | 3,416.0 | 4.44             | 4.01                     | 12.19    | 2.83          | 50.6 | 18.9 | 450   | 95           | DI yl-grn          |

Note: 500+ gas reading represents a saturated detector filament

1% CH4 in air = 100 gas units

Note: Analysis for samples with an asterisk was performed at ambient conditions

**Permeability versus Porosity @ 500psi Confining Pressure**



**Company :** Edge Petroleum Op. Co., Inc.  
**File No. :** 04285  
**Well :** Red Lake 36 "A" State No. 1  
**Location :** 330' FNL & 990' FEL, Sec 36,

**Field:** Red Lake  
**Formation:**  
**County:** Eddy County

| Sample Number | Depth   | Grain Density | Porosity | Air Perm   | Kk Perm    | Porosity | Air Perm | Kk Perm | Porosity | Air Perm | Kk Perm |
|---------------|---------|---------------|----------|------------|------------|----------|----------|---------|----------|----------|---------|
|               | ft      | g/cc          | %        | mD         | mD         | %        | mD       | mD      | %        | mD       | mD      |
| 1             | 1,229.0 | 2.67          | 7.90     | 0.1675     | 0.1235     |          |          |         |          |          |         |
| 2             | 1,282.0 | 2.70          | 5.11     | 0.1202     | 0.0852     |          |          |         |          |          |         |
| 3             | 1,328.0 | 2.76          | 7.08     | 0.8075     | 0.6745     |          |          |         |          |          |         |
| 4             | 1,373.0 | 2.71          | 8.23     | 0.5360     | 0.4273     |          |          |         |          |          |         |
| 5             | 1,418.0 | 2.92          | 1.17     | 0.0185     | 0.0098     |          |          |         |          |          |         |
| 6             | 1,447.0 | 2.71          | 12.00    | 0.1233     | 0.0880     |          |          |         |          |          |         |
| 7             | 1,471.0 | 2.85          | 2.31     | 0.0191     | 0.0101     |          |          |         |          |          |         |
| 8             | 1,539.0 | 2.65          | 11.87    | 6.99       | 6.41       |          |          |         |          |          |         |
| 9             | 1,637.0 | 2.73          | 10.27    | 2.74(frac) | 2.38(frac) |          |          |         |          |          |         |
| 10            | 1,681.0 | 2.70          | 6.19     | 0.1037     | 0.0717     |          |          |         |          |          |         |
| 11            | 1,704.0 | 2.67          | 7.36     | 0.1381     | 0.0988     | 6.88     | 0.1136   | 0.0798  |          |          |         |
| 12            | 1,734.0 | 2.70          | 8.72     | 0.1313     | 0.0944     | 8.35     | 0.0868   | 0.0589  |          |          |         |
| 13            | 1,788.0 | 2.75          | 1.47     | 0.0055     | 0.0023     | 0.90     | 0.0029   | 0.0010  |          |          |         |
| 14            | 1,847.0 | 2.86          | tbfa     | tbfa       | tbfa       | tbfa     | tbfa     | tbfa    |          |          |         |
| 15            | 1,889.0 | 2.86          | 13.34    | 0.1214     | 0.0839     | 12.52    | 0.1074   | 0.0732  |          |          |         |
| 16            | 2,080.0 | 2.79          | 10.34    | 0.6139     | 0.5017     | 10.09    | 0.5866   | 0.4778  |          |          |         |
| 17            | 2,141.0 | 2.81          | 7.43     | 0.1592     | 0.1151     | 7.06     | 0.1519   | 0.1097  |          |          |         |
| 18            | 2,269.0 | 2.84          | 11.62    | 17.37      | 16.36      | 11.39    | 17.32    | 16.32   |          |          |         |
| 19            | 2,284.0 | 2.81          | 17.65    | 16.40      | 15.43      | 17.47    | 16.08    | 15.12   |          |          |         |

# Drilled Sidewall Core Analysis Report

Company : Edge Petroleum Op. Co., Inc.

File No. : 04285

Well : Red Lake 36 "A" State No. 1

Location : 330' FNL & 990' FEL, Sec 36, T17S, R27E

Field: Red Lake

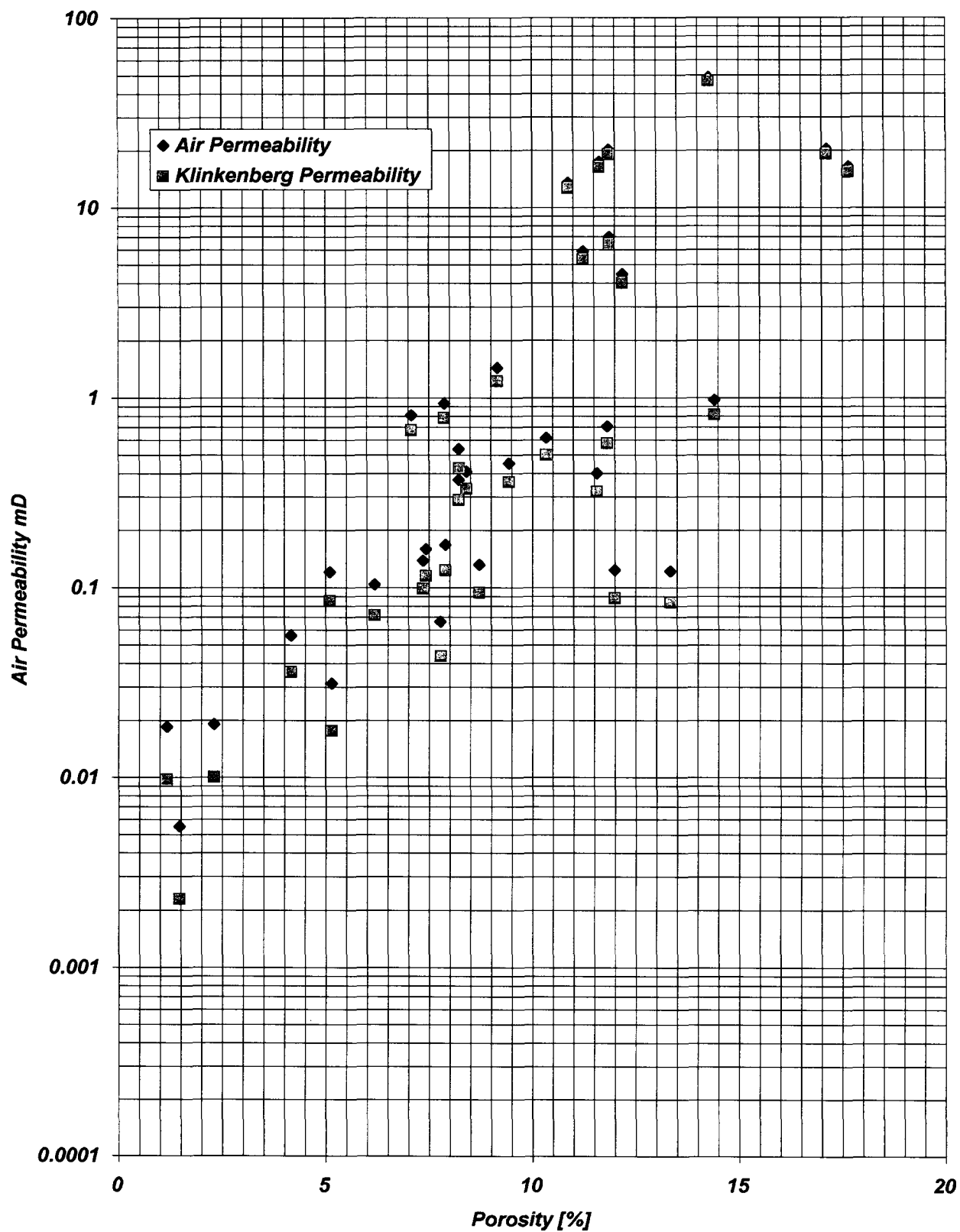
Formation:

County : Eddy County, New Mexico

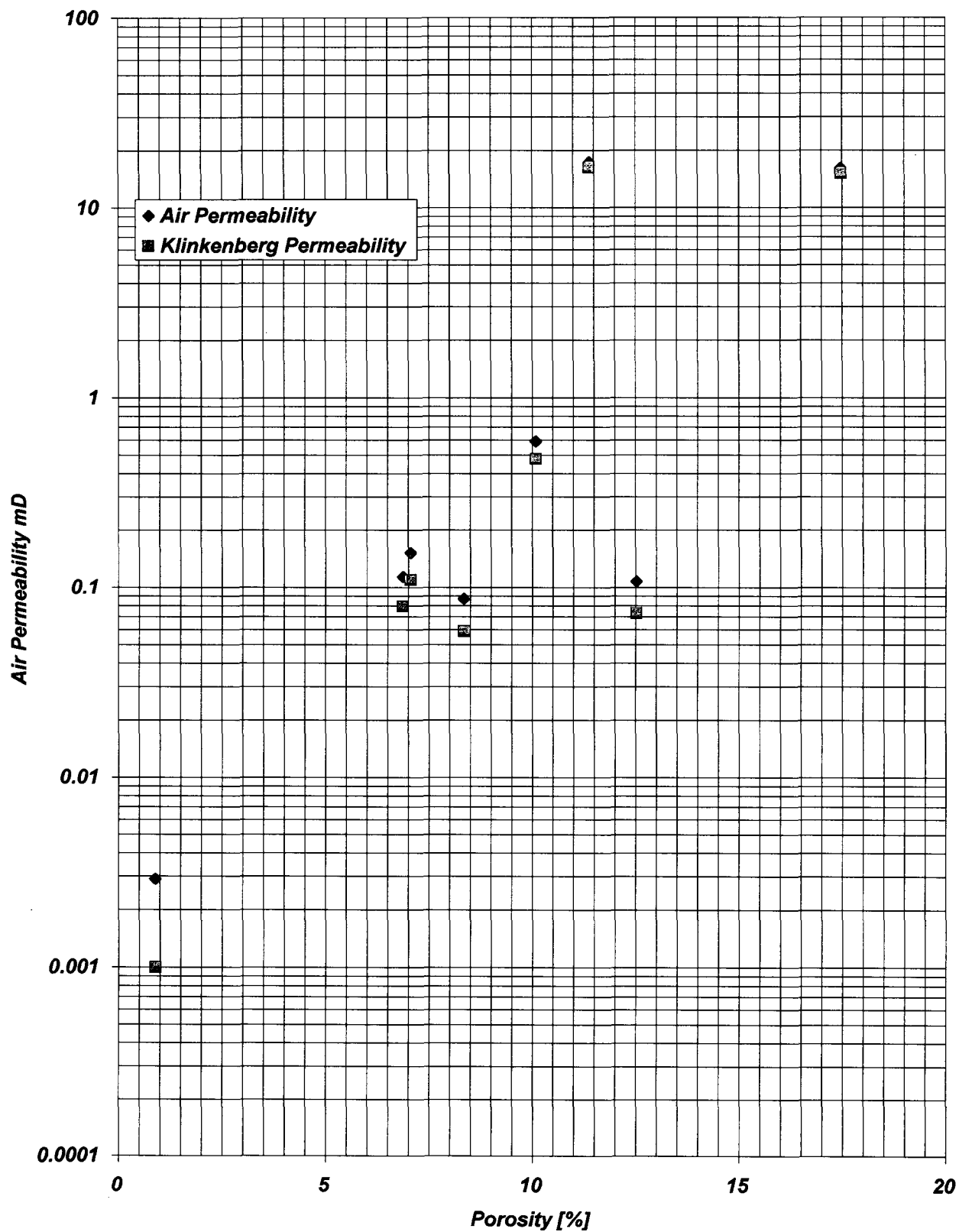
| Sample Number               | Depth   | Grain Density | Porosity | Air    | Kk     | Porosity | Air  | Kk | Porosity | Air    | Kk     |
|-----------------------------|---------|---------------|----------|--------|--------|----------|------|----|----------|--------|--------|
|                             | ft      | g/cc          | %        | Perm   | mD     | %        | Perm | mD | %        | Perm   | mD     |
| Confining Pressure 500psi   |         |               |          |        |        |          |      |    |          |        |        |
| 20                          | 2,556.0 | 2.79          | 11.24    | 5.86   | 5.33   |          |      |    | 10.91    | 5.75   | 5.22   |
| 21                          | 2,569.0 | 2.84          | 9.16     | 1.44   | 1.23   |          |      |    | 8.76     | 1.35   | 1.15   |
| 22                          | 2,666.0 | 2.81          | 9.44     | 0.4501 | 0.3608 |          |      |    | 8.82     | 0.4067 | 0.3250 |
| 23                          | 2,687.0 | 2.74          | 7.78     | 0.0661 | 0.0436 |          |      |    | 7.33     | 0.0252 | 0.0137 |
| 24                          | 2,857.0 | 2.84          | 7.88     | 0.9309 | 0.7843 |          |      |    | 7.54     | 0.9029 | 0.7600 |
| 25                          | 2,892.0 | 2.82          | 5.15     | 0.0313 | 0.0177 |          |      |    | 4.91     | 0.0248 | 0.0134 |
| 26                          | 3,030.0 | 2.86          | 4.16     | 0.0558 | 0.0362 |          |      |    | 3.63     | 0.0322 | 0.0190 |
| 27                          | 3,119.0 | 2.67          | 8.22     | 0.3692 | 0.2902 |          |      |    | 7.95     | 0.2874 | 0.2223 |
| 28                          | 3,221.0 | 2.83          | 8.41     | 0.4080 | 0.3316 |          |      |    | 8.01     | 0.3411 | 0.2670 |
| 29                          | 3,232.0 | 2.84          | 10.87    | 13.48  | 12.65  |          |      |    | 10.46    | 12.12  | 11.34  |
| 30                          | 3,272.0 | 2.80          | 14.28    | 48.35  | 46.63  |          |      |    | 13.56    | 47.76  | 46.04  |
| 31                          | 3,273.0 | 2.82          | 11.85    | 20.16  | 19.10  |          |      |    | 11.47    | 19.90  | 18.85  |
| 32                          | 3,300.0 | 2.69          | 14.41    | 0.9720 | 0.8163 |          |      |    | 14.02    | 0.8579 | 0.7170 |
| 33                          | 3,328.0 | 2.68          | 11.56    | 0.3991 | 0.3198 |          |      |    | 11.19    | 0.3191 | 0.2463 |
| 34                          | 3,367.0 | 2.83          | 11.82    | 0.7049 | 0.5776 |          |      |    | 11.47    | 0.6402 | 0.5232 |
| 35                          | 3,383.0 | 2.82          | 17.12    | 20.29  | 19.22  |          |      |    | 16.34    | 19.81  | 18.77  |
| 36                          | 3,416.0 | 2.83          | 12.19    | 4.44   | 4.01   |          |      |    | 11.84    | 4.34   | 3.91   |
| Confining Pressure 650psi   |         |               |          |        |        |          |      |    |          |        |        |
| Confining Pressure 1,000psi |         |               |          |        |        |          |      |    |          |        |        |



**Permeability versus Porosity @ 500psi**



**Permeability versus Porosity @ 650psi**



**Permeability versus Porosity @ 1,000psi**

