Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
Revised March 25, 1999

JUL 2003 RECEIVED OCD - ARTESIA

WELL API NO. 30-015-32324

5. Indicate Type of Lease STATE ☐ FEE ☒

State Oil & Gas Lease No.

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER Class II Injection

b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name: DUKE AGI

2. Name of Operator: DUKE ENERGY FIELD SERVICES, LP

8. Well No.: #1

3. Address of Operator: 3300 NORTH A ST., LDG. 7, MIDLAND, TX 79705

9. Pool name or Wildcat: DEVONIAN

4. Well Location

Unit Letter O : 1232 Feet From The SOUTH Line and 1927 Feet From The EAST Line

Section 7 Township 18S Range 28E NMPM EDDY County

| 10. Date Spudded | 11. Date T.D. Reached | 12. Date Compl. (Ready to Prod.) | 13. Elevations (DF& RKB, RT, GR, etc.) | 14. Elev. Casinghead |
|---|---|---|---|---|
| 8/14/02 | 9/22/02 | 7/10/03 | RKB 3628.5/GL 3611 | 3ft BGL |

| 15. Total Depth | 16. Plug Back T.D. | 17. If Multiple Compl. How Many Zones? | 18. Intervals Drilled By | Rotary Tools | Cable Tools |
|---|---|---|---|---|---|
| 11,520 | 11,472 | – | | 11,520 | – |

19. ~~Producing~~ Interval(s), of this completion - Top, Bottom, Name
Injection 11,207 - 11,412 DEVONIAN

20. Was Directional Survey Made ~~Yes~~ No

21. Type Electric and Other Logs Run
DLL-LDT-GR (TD), DLL-LSS (Int), CBL

22. Was Well Cored NO

23. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 20" | 94 | 45 ft | 24" | Full Returns | |
| 13 5/8" | 48 | 530 | 17 1/2" | Full Returns | |
| 9 5/8" | 40 | 4200 | 12 1/4" | Full Returns | |
| 7" | 26 | 11,520 | 8 3/4" | 2 STAGE | |
| | | | | | |

24. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|---|---|---|---|---|
| | | | | |
| | | | | |

25. TUBING RECORD

| SIZE | DEPTH SET | PACKER SET |
|---|---|---|
| 2 7/8" | 11,158 | 11,122 |

26. Perforation record (interval, size, and number)
11,207 - 11,260, 1/2", 265 shots (53' @ 5spf)
11,326 - 11,412, 1/2", 695 shots (139' @ 5spf)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|---|---|
| 11,207 - 11,412 | 40,000 gal 15% SXE (ACID FRAC) |
| | |

28 PRODUCTION

| Date First Production | Production Method (Flowing, gas lift, pumping - Size and type pump) | Well Status (Prod. or Shut-in) |
|---|---|---|
| | | |

| Date of Test | Hours Tested | Choke Size | Prod'n For Test Period | Oil - Bbl | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - (Corr.) |
|---|---|---|---|---|---|---|
| | | | | | | |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments
E-Logs (1) DLL-LSS (2) DLL-LDT-GR (3) CBL (4) Well Schematic (5) DST1 (6) DST2

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 [signature] Printed Name KARIN KIMURA Title SR. ENV. SPECIALIST Date 07/22/03

# 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 | 8412 ~~8404~~ | T. Ojo Alamo | | T. Penn. "B" | |
| T. Salt | | T. Strawn | 9024 ~~9018~~ | T. Kirtland-Fruitland | | T. Penn. "C" | |
| B. Salt | | T. Atoka | 9680 ~~9622~~ | T. Pictured Cliffs | | T. Penn. "D" | |
| T. Yates | | T. Miss | 10587 ~~10589~~ | T. Cliff House | | T. Leadville | |
| T. 7 Rivers | | T. Devonian | 11152 ~~11790~~ | T. Menefee | | T. Madison | |
| T. Queen | 1430 ~~1350~~ | T. Silurian | | T. Point Lookout | | T. Elbert | |
| T. Grayburg | 1935 ~~1888~~ | T. Montoya | | T. Mancos | | T. McCracken | |
| T. San Andres | 2230 ~~2210~~ | T. Simpson | | T. Gallup | | T. Ignacio Otzte | |
| T. Glorieta | 3260 ~~3290~~ | T. McKee | | Base Greenhorn | | T. Granite | |
| T. Paddock | | T. Ellenburger | | T. Dakota | | T | |
| T. Blinebry | | T. Gr. Wash | | T. Morrison | | T. | |
| T.Tubb | 5050 ~~5034~~ | T. Delaware Sand | | T.Todilto | | T | |
| T. Drinkard | | T. Bone Springs | | T. Entrada | | T. | |
| T. Abo | 6172 ~~6040~~ | T. | | T. Wingate | | T. | |
| T. Wolfcamp | 7196 ~~7025~~ | T. | | T. Chinle | | T. | |
| T. Penn | | T. | | T. Permian | | T. | |
| T. Cisco (Bough C) | ~~7850~~ 7888 | 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 In Feet | Lithology |
|---|---|---|---|
| 0 | 1430 | 1430 | Interbedded sand, shale salt + anhydrite |
| 1430 | 2230 | 800' | Sand, shale & dolomite |
| 2230 | 5050 | 2820' | Dolomite - sandy Dolomite to Limeston |
| 5050 | 5300 | 250' | Shaly Sandstone |
| 5300 | 6172 | 872 | Dolomite to Sandy Dolomite |
| 6172 | 7000 | 828 | Dolomite - Limestone |
| 7000 | 7196 | 196' | Interbedded - Dolomitic Sandstone |
| 7196 | 9680 | 2490 | Limestone with Shale Interbedds - |
| 9680 | 9960 | 280 | Interbedded Limestone and Shale |
| 9960 | 10428 | 468 | Interbedded Limestone, Shale + Sandstone |

| From | To | Thickness In Feet | Lithology |
|---|---|---|---|
| 10428 | 10587 | 159' | Limestone becomming more shaly with depth |
| 10587 | 11134 | 547 | Massive Limestone |
| 11134 | 11152 | 18' | Black Cherty Shale |
| 11152 | 11504 | 352' | Cherty Dolomite |

Clear

| REPORT NO. 8979323 |
|---|
| PAGE NO. 1 |
| TEST DATE: 24-Sep-02 |

# STAR

## Schlumberger Transient Analysis Report

## Based on Model Verified Interpretation Of Well Test Data

Schlumberger



| COMPANY : DUKE ENERGY | | WELL: DUKE AGI -1 | |
|---|---|---|---|
| **TEST IDENTIFICATION** | | **WELL LOCATION** | |
| Test Type | DRILL STEM TEST | Field | ARTESIA |
| Test No. | ONE | County | EDDY |
| Formation | DEVONIAN | State | NEW MEXICO |
| Test Interval (ft) | 11,270-11,520 | Location | |
| **SAMPLE CHAMBER DATA** | | **COMPLETION CONFIGURATION** | |
| Recovered Gas (c.f.) | 0.03 | Casing / Liner Size (in) | |
| Recovered Oil (c.c.) | 0 | Open Hole Size (in) | 7.875 |
| Recovered Water (c.c.) | 4,800 | Gauge Depth (ft) | 11,297 |
| Recovered Mud (c.c.) | 0 | DC Length (ft)/I.D. (in) | 210 / 2.25 |
| Sample Chamber Pressure (psig) | 46 | DP Length Size (in) | 11,037 / 4.5 |
| Rec. Mud Filtrate | | **TEST CONDITIONS** | |
| Rec. Water Filtrate | | Tbg / Wellhead Pressure (psi) | |
| Assumed SC Gas Gravity | 0.65 | | |
| **INTERPRETATION RESULTS** | | **ROCK / FLUID / WELLBORE PROPERTIES** | |
| Model of Behavior | HOMOGENEOUS | Water Density ( lb/gal) | 9.53 |
| Fluid Type Used for Analysis | WATER | Viscosity (cp) | 0.3673 |
| Ext. Reservoir Pressure (psi) | 4,967 @ GAUGE | Total Compressibility (1/psi) | 6.01E-06 |
| Transmissibility (md.ft/cp) | 310 | Porosity (%) | 8 |
| Effective Permeability (md) | 1.9 | Reservoir Temperature (F) | 169 |
| Skin | 18 | Water Cut (%) | 100 |
| Pressure Drop (skin, psi) | 2,964 | Water Saturation (%) | 100 |
| Pressure @ Delta t=0 (psi) | 1,081 | Net Pay (ft) | 60 |
| Radius of Investigation (ft) | 135 | | |
| Permeability Thickness (md.ft ) | 114 | | |

**PRODUCTION RATE DURING TEST: 358 BPD**

**SUMMARY:**

This report contains the analysis of the data acquired during a Drill Stem Test of the Devonian zone conducted on the Duke Energy AGI -1 well in Eddy County, New Mexico. This test was performed by Schlumberger's Hobbs New Mexico testing district (505 393 3835). The zone was isolated from 11,270 feet to 11,520 feet with drill stem test tools and the data was acquired using tandem electronic pressure gauges.

The data was modeled using a limited entry reservoir model with changing wellbore storage and skin. The buildup was not long enough to acquire data during the radial flow regime, therefore, only log log type curve matching techniques could be used to interpret this data. Pressure history matching was used to confirm this analysis. The permeability to water was calculated to be 1.9 md, using a thickness of 60 feet.The skin was calculated to be positive 18, causing a near wellbore pressure drop of 2,964 psi. The reservoir pressure was extrapolated from the type curve to be 4,967 psi at gauge depth.

For further discussion of this analysis, please refer to the interpretation discussion on page two of this report. If you have any questions, please call Marc Pearcy at 405 840 2781.

# ANALYSIS DISCUSSION

Schlumberger

**Duke Energy AGI -1 Interpretation Discussion:**

This report contains the analysis of the data acquired during a Drill Stem Test of the Devonian zone conducted on the Duke Energy AGI -1 well in Eddy County, New Mexico. This test was performed by Schlumberger's Hobbs New Mexico testing district (505 393 3835).

The data was taken using drill pipe conveyed, electronic pressure gauges. The zone was isolated from 11,270 feet to 11,520 feet with drill stem test tools and a standard drill stem test procedure was followed consisting of two flow periods and two shut in periods.

The data was modeled using a homogeneous reservoir model with changing wellbore storage and skin. The radial flow regime was masked by wellbore storage. The radial flow regime is indicated by the constant pressure derivative on the plot of log-log pressure and pressure derivative versus shut in time (using the psuedopressure function). No semi log analysis could be done, only log log type curve matching techniques were used to interpret this data. At the time the test was terminated, the data was in the transition from wellbore storage to radial flow.

The permeability to water was calculated to be 1.9 md, using a thickness of 60 feet. The skin was calculated to be positive 18, causing a near wellbore pressure drop of 2,964 psi. Of the calculated skin, 13.5 is caused by limited entry effects, convergence. The remaining 4.5 is a traditional pressure drop near the wellbore. The reservoir pressure was extrapolated from the type curve to be 4,967 psi at a gauge depth of 11,297 feet.

In order to validate the results of this analysis, a simulation of the test sequence was made using the model constructed from this interpretation. The measured data was then plotted on the same scale as the simulated data. Agreement between the measured data and simulated data is adequate. This plot is presented in the body of this report.

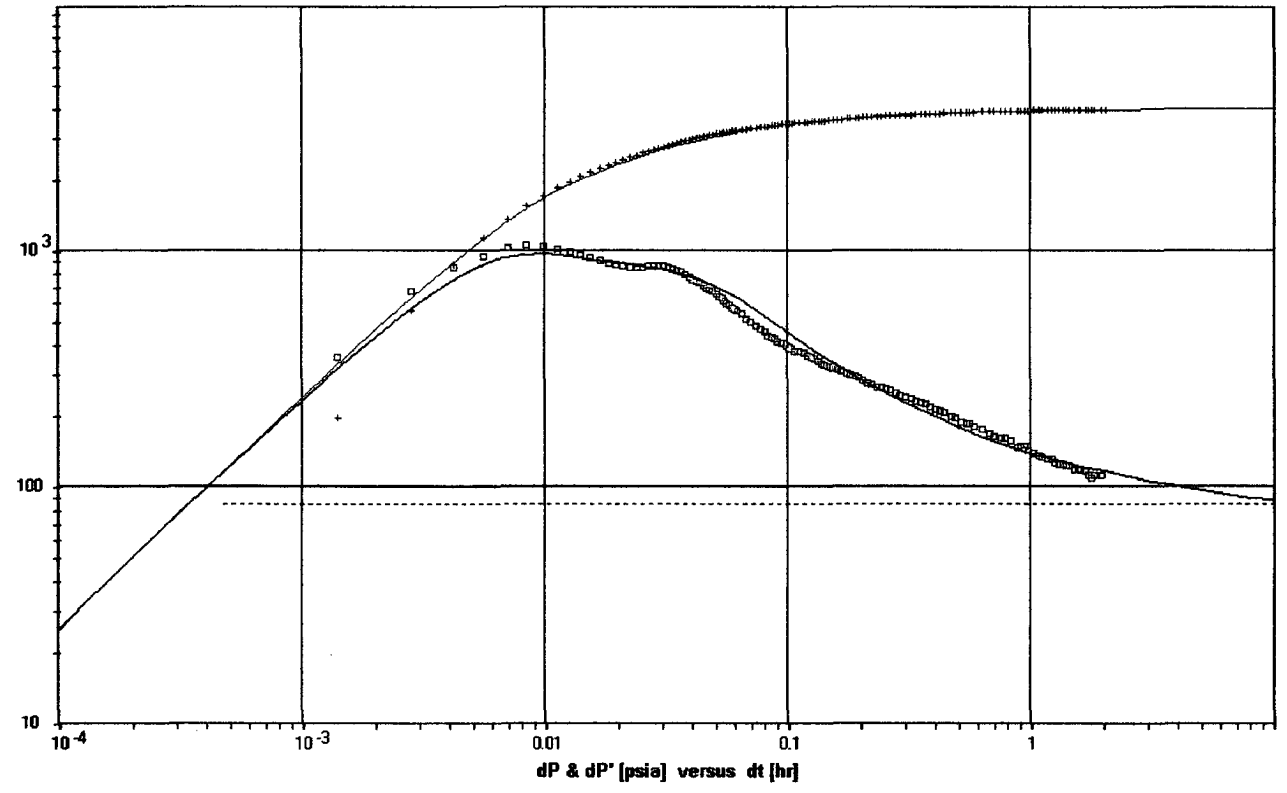
If you have any questions, please call Marc Pearcy at 405 840 2781.

| REPORT NO. |
| --- |
| 8979323 |
| PAGE NO. 3 |

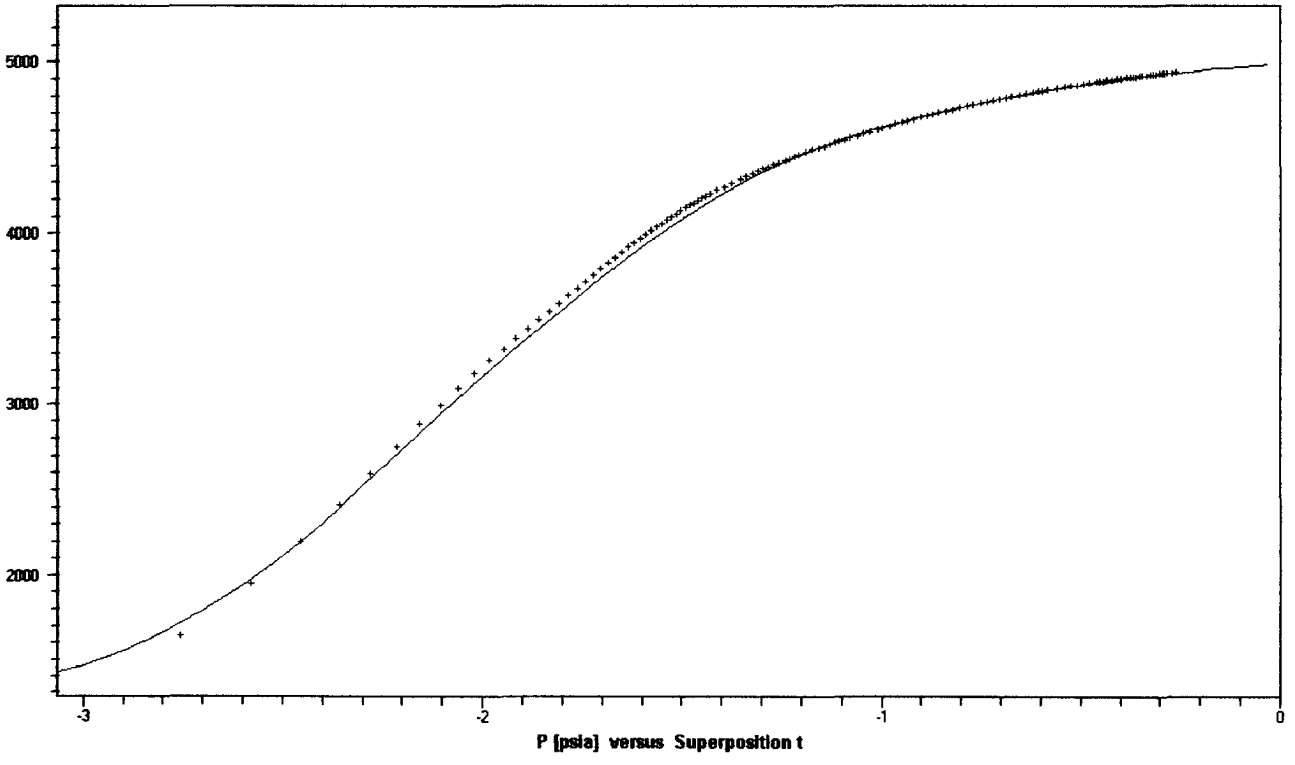
# INTERPRETATION PLOTS

Schlumberger

## LOG LOG DIAGNOSTIC PLOT



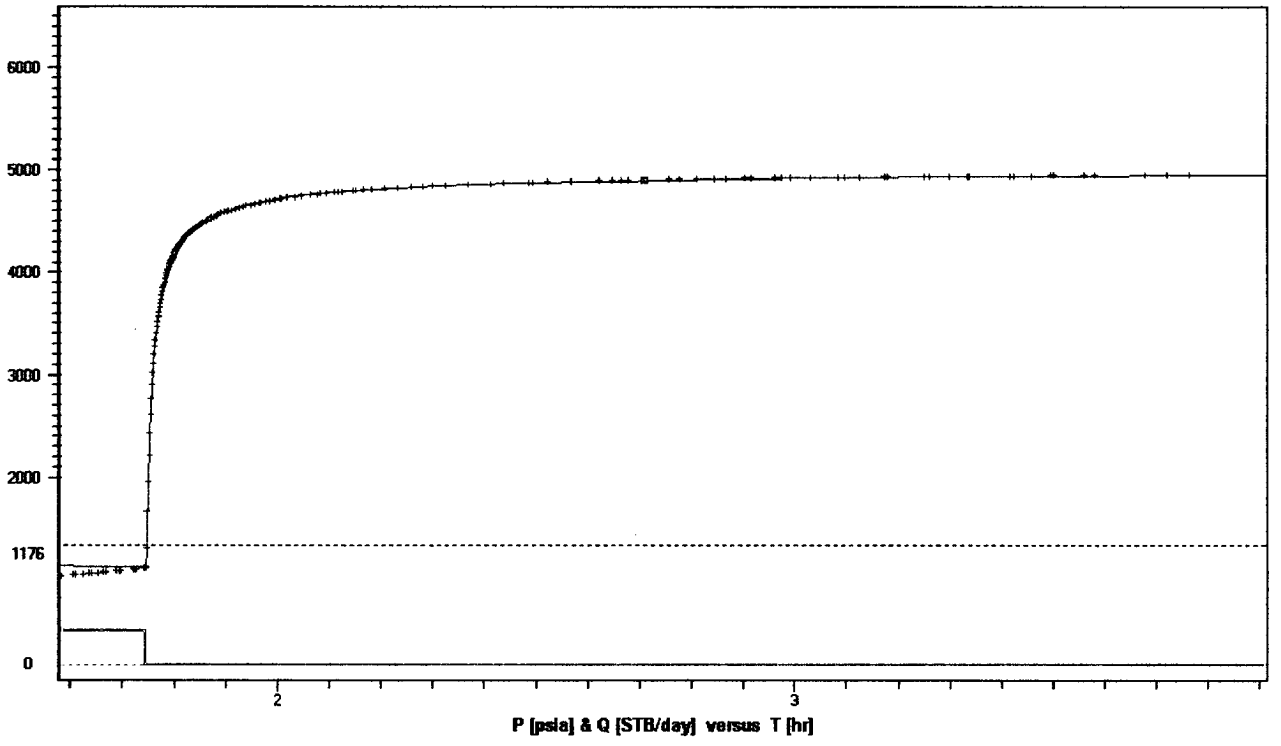

## SEMI LOG PLOT



Schlumberger

# INTERPRETATION PLOTS
## CONTINUED

### PRESSURE SIMULATION



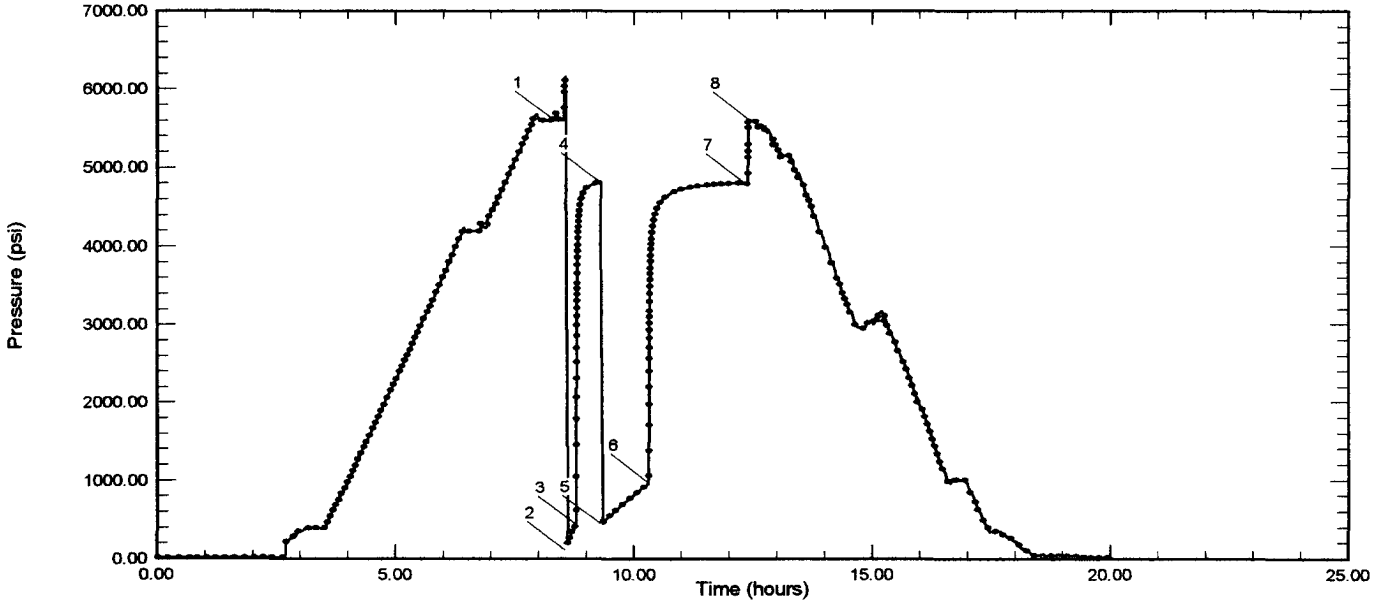
**Schlumberger**

*Label Point Data*

# Duke Energy

## Openhole DST

| | |
|---|---|
| **Duke AGI 1** | **8979323** |
| **Artesia** | **24-Sep-02** |




| Label Point / Comments | Date (dd-mmm-yy) | Time (hh:mm:ss) | Gauge ET (hours) | BHP (psia) | Rate ( 0 ) |
|---|---|---|---|---|---|
| Label Point Summary | | | | | |
| 1) Hydrostatic Pressure | 24-Sep-02 | 7:23:32 | 8.309 | 5601.16 | 0 |
| 2) Start Flow | 24-Sep-02 | 7:39:02 | 8.567 | 100.35 | 1 |
| 3) End Flow & Start Shut-in | 24-Sep-02 | 7:51:57 | 8.783 | 426.46 | 0 |
| 4) End Shut-in | 24-Sep-02 | 8:21:07 | 9.269 | 4808.80 | 0 |
| 5) Start Flow | 24-Sep-02 | 8:22:52 | 9.298 | 435.63 | 1 |
| 6) End Flow & Start Shut-in | 24-Sep-02 | 9:23:22 | 10.306 | 964.77 | 0 |
| 7) End Shut-in | 24-Sep-02 | 11:23:32 | 12.309 | 4806.17 | 0 |
| 8) Hydrostatic Pressure | 24-Sep-02 | 11:32:02 | 12.451 | 5592.75 | 0 |

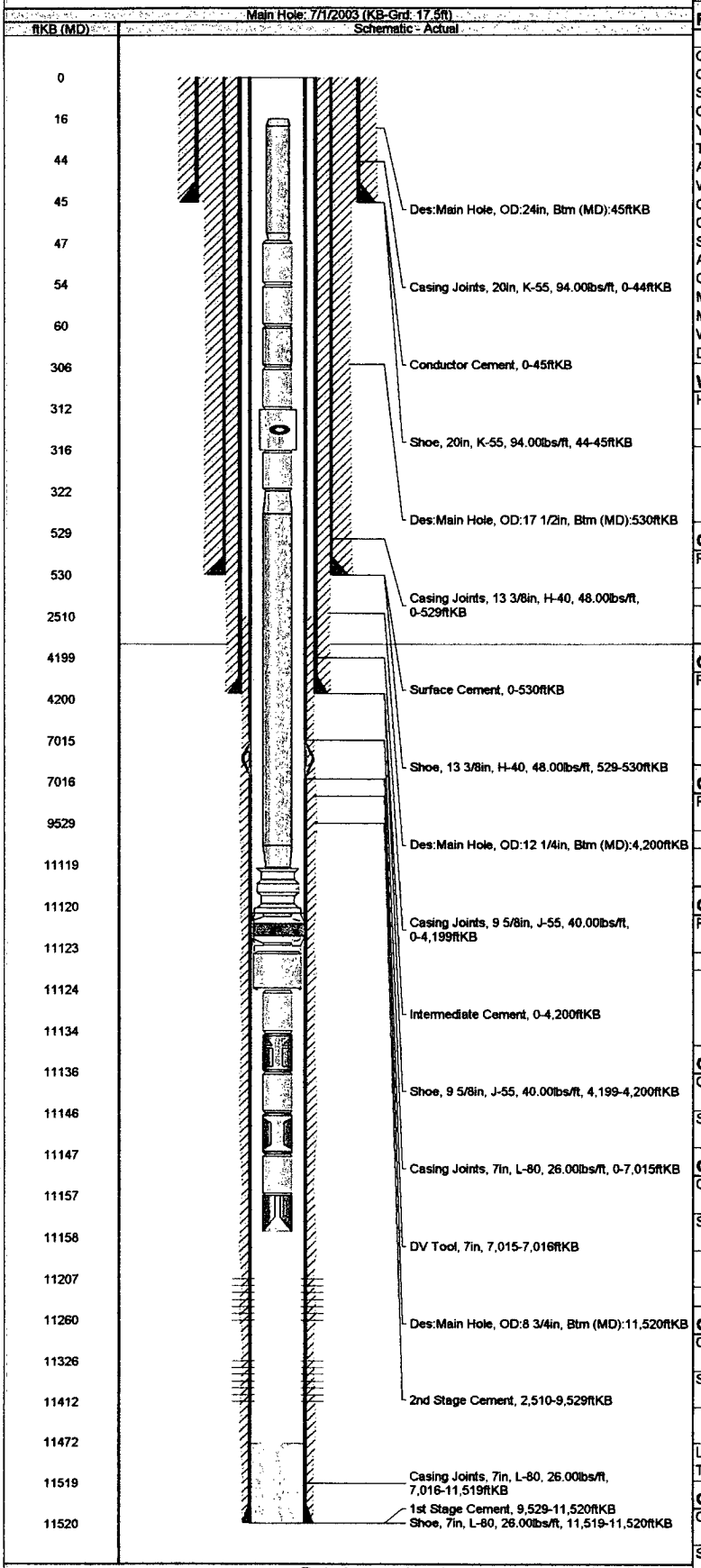
# FLOWRATE HISTORY

Schlumberger

| Flow Period Duration (hrs) | Flow Period Production Rate (BPD) |
|---|---|
| 0.22084 | 1176 |
| 0.51111 | 0 |
| 1.01389 | 358 |
| 2 | 0 |

# Complete Well Summary
## Duke AGI #1

| API/UWI | | Operator | | | | | |
|---|---|---|---|---|---|---|---|
| 30-015-32324 | | Duke Energy Field Services, LP | | | | | |
| Area | State/Province | KB-Grd (ft) | KB Elev (ft) | Gr Elev (ft) | PBTD (ftKB) | Spud Date | |
| Artesia | New Mexico | 17.50 | 3628.50 | 3611.00 | 11,472.0 | 8/14/2002 | |
| Surface Legal Location | | | Latitude (DMS) | | Longitude (DMS) | | |
| 1232 ft FSL & 1927 ft FEL Sec 7 T18S R28E | | | | | | | |




### Formation Pick Groups: Main Formations

| Name | Top (ftKB) | Comment |
|---|---|---|
| Queen | 1,430.0 | |
| Grayburg | 1,935.0 | |
| San Andres | 2,230.0 | |
| Glorieta | 3,860.0 | |
| Yeso | 4,092.0 | |
| Tubb | 5,050.0 | |
| Abo | 6,172.0 | |
| Wolfcamp | 7,196.0 | |
| Cisco | 7,888.0 | |
| Canyon | 8,412.0 | |
| Strawn | 9,024.0 | |
| Atoka | 9,680.0 | |
| Chester | 10,428.0 | |
| Morrow | 10,587.0 | |
| Mississippi | 10,587.0 | |
| Woodford | 11,129.0 | |
| Devonian | 11,152.0 | |



### Wellbores: Main Hole

| Hole API # | Bottom Hole Legal Location | Profile Type | KO MD (ftKB) | VS Dir (°) |
|---|---|---|---|---|
| | | | | |

| Size (in) | Top (ftKB) | Btm (ftKB) |
|---|---|---|
| 24 | 0.0 | 45.0 |
| 17 1/2 | 45.0 | 530.0 |
| 12 1/4 | 530.0 | 4,200.0 |
| 8 3/4 | 4,200.0 | 11,520.0 |

### Casing: Conductor, 45.0ftKB

| Run Date | Centralizers | Scratchers | Drift Min |
|---|---|---|---|
| 8/13/2002 | | | |

| OD (in) | Item Des | Btm (ftKB) | Jts | ID (in) | Wt (lbf) | Grade | Top Thread |
|---|---|---|---|---|---|---|---|
| 20 | Casing Joints | 44.0 | | 19.124 | 4,137.4 | K-55 | |
| 20 | Shoe | 45.0 | | 19.124 | 94.0 | K-55 | |

### Casing: Surface, 530.0ftKB

| Run Date | Centralizers | Scratchers | Drift Min |
|---|---|---|---|
| 8/16/2002 | | | |

| OD (in) | Item Des | Btm (ftKB) | Jts | ID (in) | Wt (lbf) | Grade | Top Thread |
|---|---|---|---|---|---|---|---|
| 13 3/8 | Casing Joints | 529.0 | | 12.715 | 25,400.7 | H-40 | |
| 13 3/8 | Shoe | 530.0 | | 12.715 | 48.0 | H-40 | |

### Casing: Intermediate, 4,200.0ftKB

| Run Date | Centralizers | Scratchers | Drift Min |
|---|---|---|---|
| 8/24/2002 | | | |

| OD (in) | Item Des | Btm (ftKB) | Jts | ID (in) | Wt (lbf) | Grade | Top Thread |
|---|---|---|---|---|---|---|---|
| 9 5/8 | Casing Joints | 4,199.0 | | 8.835 | 168,017.4 | J-55 | |
| 9 5/8 | Shoe | 4,200.0 | | 8.835 | 40.0 | J-55 | |

### Casing: Production, 11,520.0ftKB

| Run Date | Centralizers | Scratchers | Drift Min |
|---|---|---|---|
| 9/27/2002 | | | |

| OD (in) | Item Des | Btm (ftKB) | Jts | ID (in) | Wt (lbf) | Grade | Top Thread |
|---|---|---|---|---|---|---|---|
| 7 | Casing Joints | 7,015.0 | | 6.276 | 182,452.3 | L-80 | |
| 7 | DV Tool | 7,016.0 | | 6.276 | | | |
| 7 | Casing Joints | 11,519.0 | | 6.276 | 117,118.0 | L-80 | |
| 7 | Shoe | 11,520.0 | | 6.276 | 26.0 | L-80 | |

### Cement: Conductor, casing, 8/13/2002 00:00

| Cementing Company | Evaluation Method | Cement Evaluation Results |
|---|---|---|
| | Returns to Surface | |

| Stg No. | Description | Top (ftKB) | Btm (ftKB) | Full Return |
|---|---|---|---|---|
| 1 | Conductor Cement | 0.0 | 45.0 | Yes |

### Cement: Surface, casing, 8/16/2002 00:00

| Cementing Company | Evaluation Method | Cement Evaluation Results |
|---|---|---|
| | Returns to Surface | |

| Stg No. | Description | Top (ftKB) | Btm (ftKB) | Full Return |
|---|---|---|---|---|
| 1 | Surface Cement | 0.0 | 530.0 | Yes |

| Type | Class | Amt (sacks) | Yield (ft³/sack) | Mix H20 Ratio (gal/sack) | V (bbl) | Fluid Des |
|---|---|---|---|---|---|---|
| | C | 675 | 1.34 | | | |

### Cement: Intermediate, casing, 8/24/2002 00:00

| Cementing Company | Evaluation Method | Cement Evaluation Results |
|---|---|---|
| | Returns to Surface | |

| Stg No. | Description | Top (ftKB) | Btm (ftKB) | Full Return |
|---|---|---|---|---|
| 1 | Intermediate Cement | 0.0 | 4,200.0 | Yes |

| Type | Class | Amt (sacks) | Yield (ft³/sack) | Mix H20 Ratio (gal/sack) | V (bbl) | Fluid Des |
|---|---|---|---|---|---|---|
| Lead | C | 825 | 2.41 | | | |
| Tail | C | 200 | 1.33 | | | |

### Cement: Production, casing, 9/27/2002 00:00

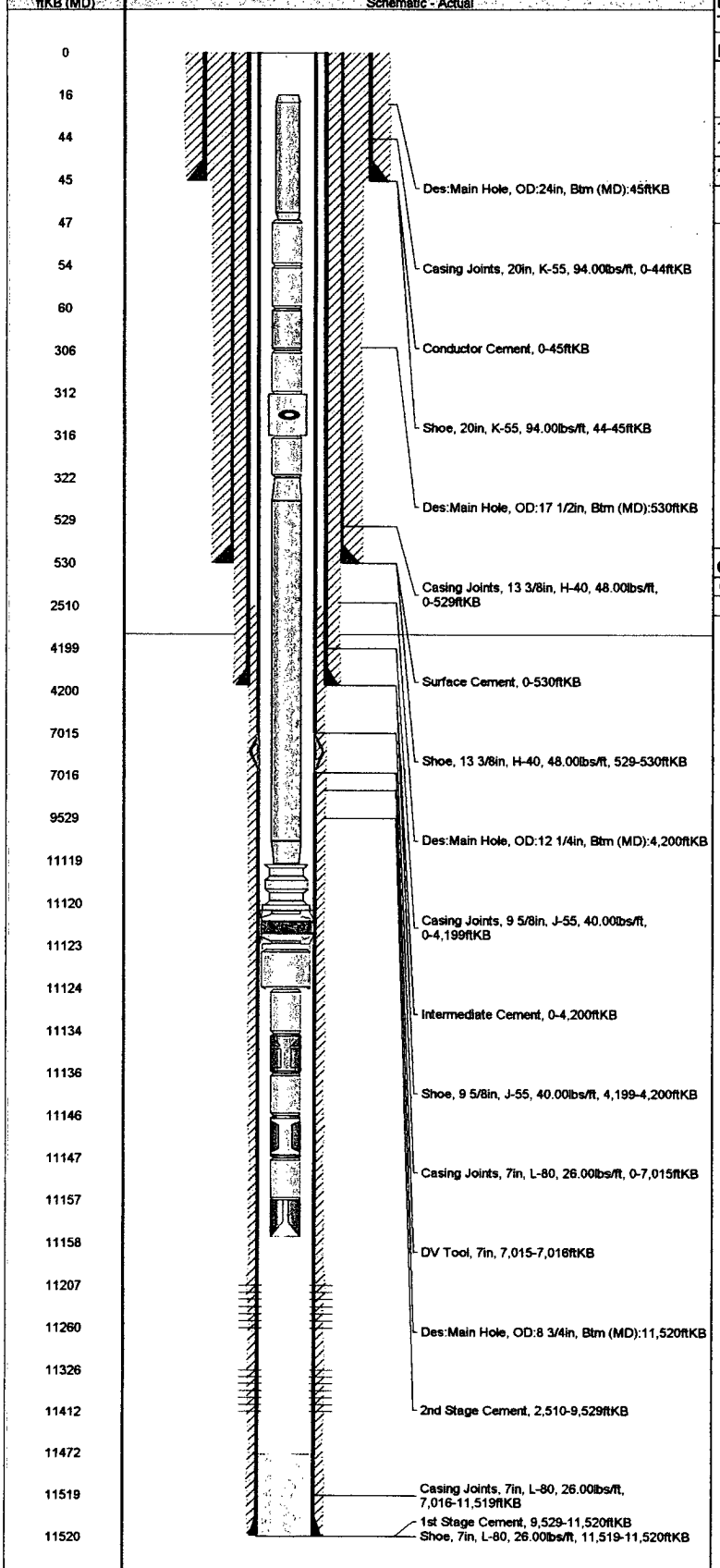
| Cementing Company | Evaluation Method | Cement Evaluation Results |
|---|---|---|
| | Cement Bond Log | |

| Stg No. | Description | Top (ftKB) | Btm (ftKB) | Full Return |
|---|---|---|---|---|
| 1 | 1st Stage Cement | 9,529.0 | 11,520.0 | Yes |

| Type | Class | Amt (sacks) | Yield (ft³/sack) | Mix H20 Ratio (gal/sack) | V (bbl) | Fluid Des |
|---|---|---|---|---|---|---|
| Lead | HI | 300 | 2.07 | | | |

# Complete Well Summary
## Duke AGI #1

Main Hole: 7/1/2003 (KB-Grd: 17.5ft)




| Type | Class | Amt (sacks) | Yield (ft³/sack) | Mix H20 Ratio (gal/sack) | V (bbl) | Fluid Des |
|---|---|---|---|---|---|---|
| Tail | HL | 600 | 1.62 | | | Lap-1 H2S Resistant Cmt |

| Stg No. | Description | Top (ftKB) | Btm (ftKB) | Full Return |
|---|---|---|---|---|
| 2 | 2nd Stage Cement | 2,510.0 | 9,529.0 | No |

| Type | Class | Amt (sacks) | Yield (ft³/sack) | Mix H20 Ratio (gal/sack) | V (bbl) | Fluid Des |
|---|---|---|---|---|---|---|
| Lead | HLP | 800 | 1.94 | | | |
| Tail | HLP | 100 | 1.18 | | | |

**Perforations**

| Date | Top (ftKB) | Btm (ftKB) | Zone | Shot Dens (shots/ft) | Shot Total | Chg Sz (g) | Current Status |
|---|---|---|---|---|---|---|---|
| 11/11/2002 | 11,207.0 | 11,260.0 | | 5.0 | | | |
| 11/11/2002 | 11,326.0 | 11,412.0 | | 5.0 | | | |

**Tubing: Tubing - Production set at 11,158.0ftKB on 7/1/2003 00:00**

| OD (in) | Item Des | Top (ftKB) | Len (ft) | ID (in) | Wt (lbs/ft) | Grade | Top Thread |
|---|---|---|---|---|---|---|---|
| 2 7/8 | Tubing | 16.2 | 30.65 | 2.441 | 6.50 | L-80 | Hydrill 533 |
| 3.6 | Tubing Pup Joint | 46.8 | 7.70 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 3.6 | Tubing Pup Joint | 54.5 | 5.70 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 3.6 | Tubing | 60.2 | 245.87 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 3.6 | Tubing Pup Joint | 306.1 | 5.70 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 4.62 | Safety valve | 311.8 | 3.94 | | | | Hydrill 533 |
| 3.6 | Tubing Pup Joint | 315.7 | 5.70 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 3.6 | Tubing | 321.4 | 10797.45 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 5.2 | Anchor Latch Seal Assembly | 11,118.9 | 1.00 | | | | Hydrill 533 |
| 5 7/8 | Schlum QL 7x4 Packer | 11,119.9 | 2.95 | | | | Hydrill 533 |
| 5 7/8 | Tail Pipe Adaptor | 11,122.8 | 1.35 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 3.6 | Tubing Pup Joint | 11,124.2 | 10.12 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 3.6 | Profile Nipple | 11,134.3 | 1.25 | 2.313 | | | Hydrill 533 |
| 3.6 | Tubing Pup Joint | 11,135.5 | 10.10 | 2.441 | 6.40 | L-80 | Hydrill 533 |
| 3.6 | Seating Nipple | 11,145.6 | 1.37 | 2.205 | | | Hydrill 533 |
| 3.6 | Tubing Pup Joint | 11,147.0 | 10.00 | 2.441 | | | Hydrill 533 |
| 3.6 | Wireline Guide | 11,157.0 | 1.00 | | | | Hydrill 533 |

**Other In Hole**

| OD (in) | Des | Top (ftKB) | Btm (ftKB) | ID (in) | Make | Model |
|---|---|---|---|---|---|---|
| 7 | PBTD | 11,472.0 | 11,520.0 | 6.000 | | |