



OKLA. CITY, OK  
405 287-0042  
FLK. CITY, OK  
405 225-7051

# ARC PRESSURE DATA, INC. INDIVIDUAL WELL DATA SHEET

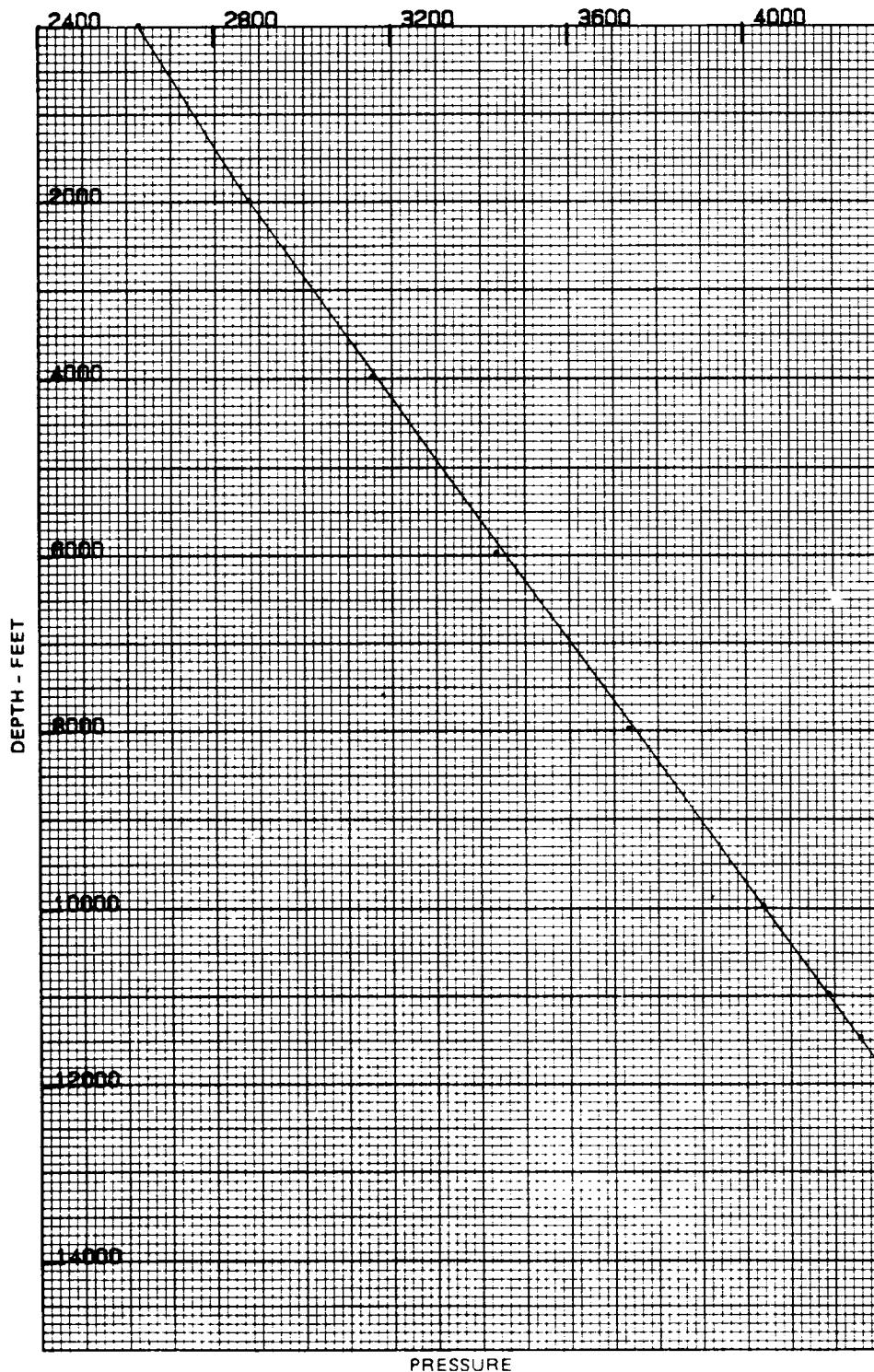
1

COMPANY NORTH AMERICAN ROYALTIES LEASE HUDGENS WELL NO. 1

FIELD WILDCAT COUNTY LEA STATE NM

TEST DATE 9/22/86 TIME 10:00 STATUS OF WELL SHUT-IN SHUT IN 9/20/86  
14:45

GRAPHIC ANALYSIS



| Depth Feet  | Pressure Lbs. Sq. In. | * Gradient Lbs./Ft. |
|-------------|-----------------------|---------------------|
| 0           | 2630                  |                     |
|             |                       | .125                |
| 2000        | 2879                  |                     |
|             |                       | .139                |
| 4000        | 3156                  |                     |
|             |                       | .140                |
| 6000        | 3436                  |                     |
|             |                       | .149                |
| 8000        | 3733                  |                     |
|             |                       | .153                |
| 10000       | 4039                  |                     |
|             |                       | .148                |
| 11000       | 4187                  |                     |
|             |                       | .144                |
| 11500 R. D. | 4259                  |                     |
| + 287       | + 41 ( .144 )         |                     |
| 11787 DATUM | 4300                  |                     |

ELEV. K.B. 3901 GR. 3883  
PRESSURE DATUM 11805 MPP  
TOP OF PAY  
TUBING 2.375 11517 DEPTH  
S.N. 11517 11517 PACKER  
CASING 5.5 11994 DEPTH  
PERF. 11792-11817  
TOTAL DEPTH 11884 PB  
FORMATION ATOKA  
CASING PRESS. PKR  
TUBING PRESS. 2625 DWG  
TOP OF FLUID  
TOP OF WATER  
HRS.-SHUT IN 43.25 FLOWING  
TEMP. @ 11518 = 177 °F  
LAST TEST DATE  
PRESS. LAST TEST  
B. H. P. CHANGE + 4300  
INSTRUMENT NO. 1000  
RUN BY ORVILLE TURNER  
CALCULATED BY RANDY HALEY



OKLA. CITY, OK  
 (405) 225-0042  
 ELK CITY, OK  
 (405) 225-2051

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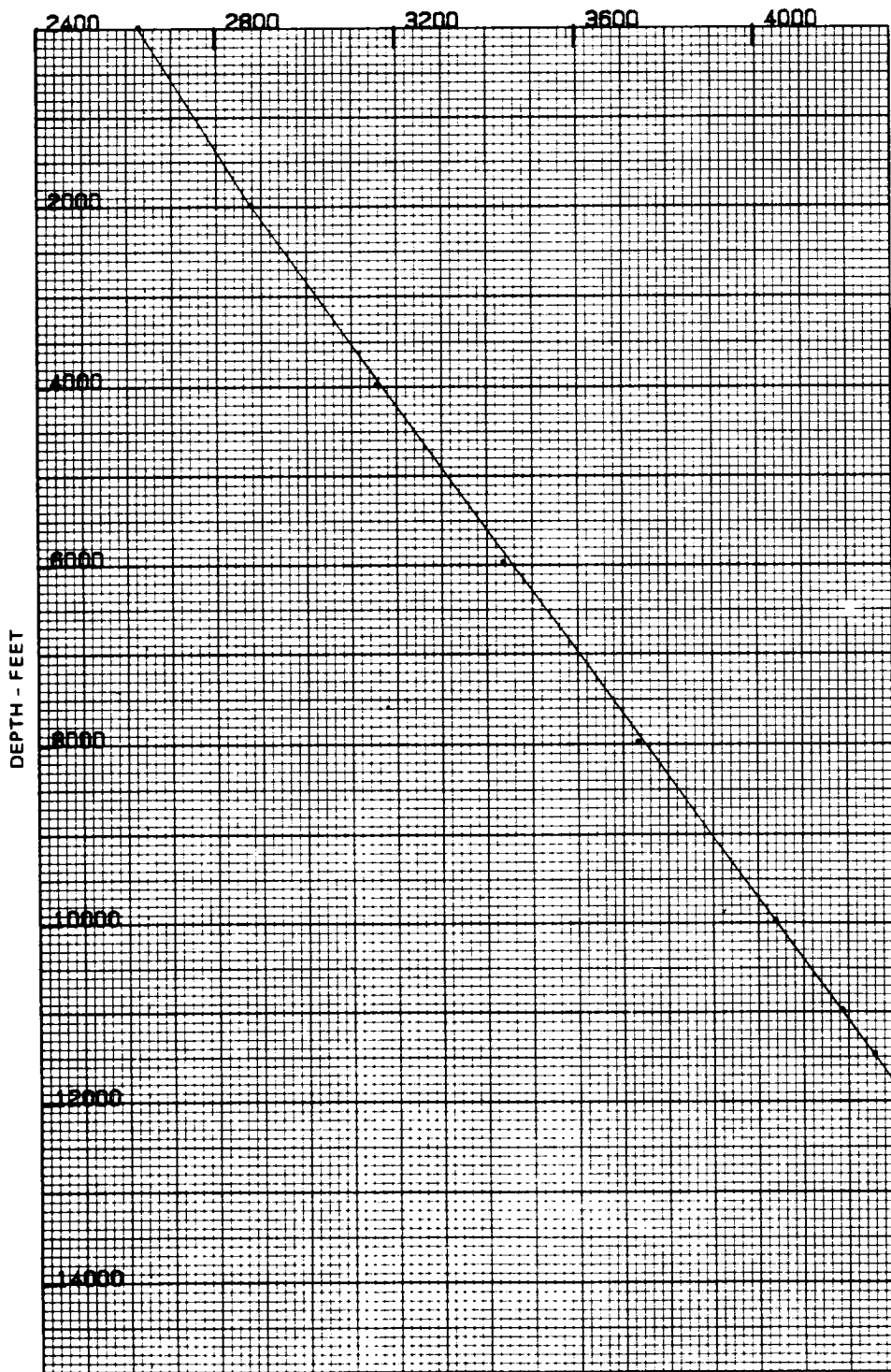
1

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14:45

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|               |                          | .148                   |
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|               |                          | .144                   |
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| + 287         | + 41 ( .144 )            |                        |
| 11787 DATUM   | 4300                     |                        |

ELEV. K.B. 3901 GR. 3883

PRESSURE DATUM 11805 MPP

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TUBING 2.375 11517 DEPTH

S.N. 11517 11517 PACKER

CASING 5.5 11994 DEPTH

PERF. 11792-11817

TOTAL DEPTH 11884 PB

FORMATION ATOKA

CASING PRESS. PKR

TUBING PRESS. 2625 DWG

TOP OF FLUID

TOP OF WATER

HRS.-SHUT IN 43.25 FLOWING

TEMP. @ 11518 = 177 °F

LAST TEST DATE

PRESS. LAST TEST

B. H. P. CHANGE + 4300

INSTRUMENT NO. 1000

RUN BY ORVILLE TURNER

CALCULATED BY RANDY HALEY



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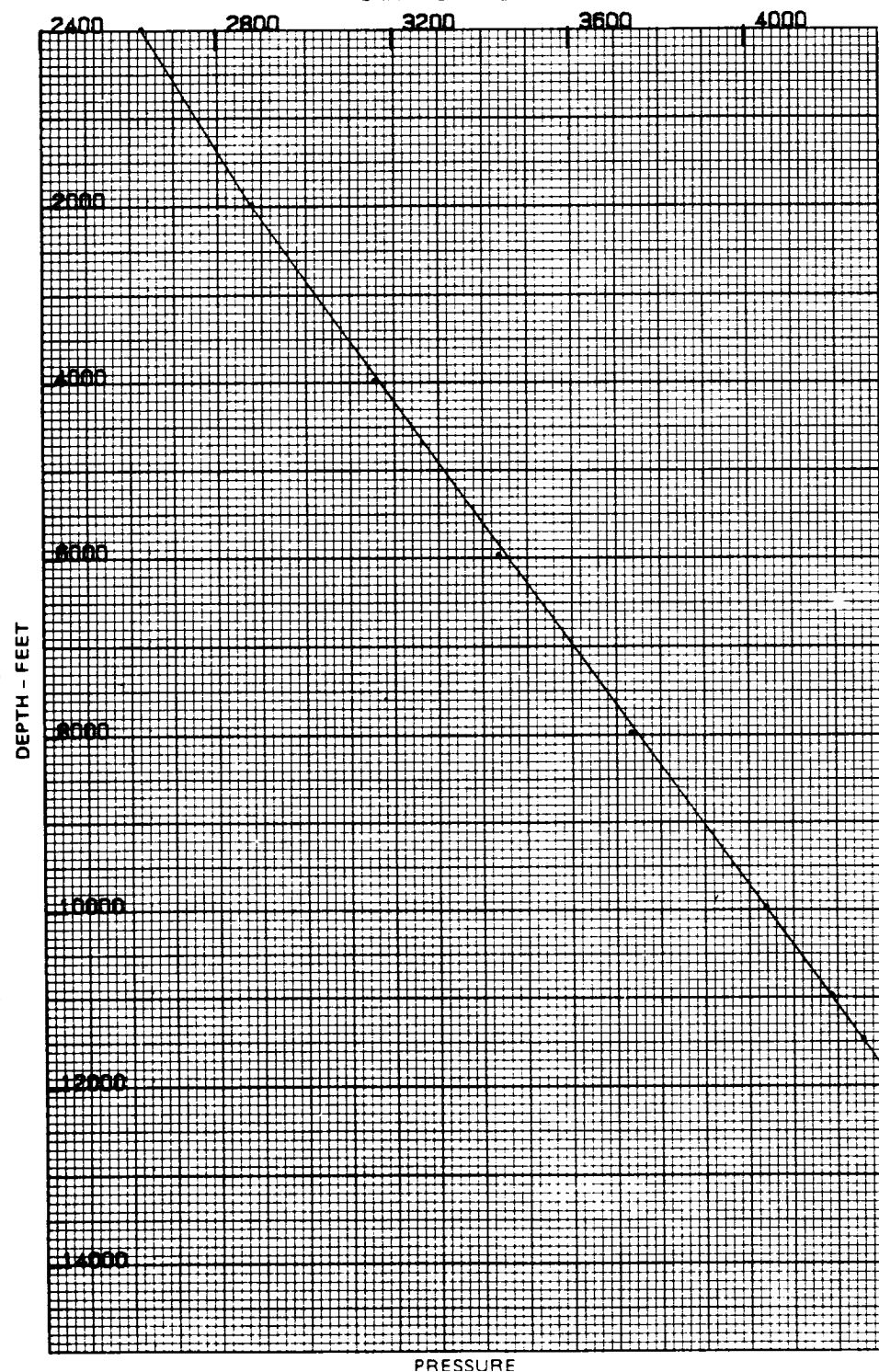
1

COMPANY NORTH AMERICAN ROYALTIES LEASE HUDGENS WELL NO. 1

FIELD WILDCAT COUNTY LEA STATE NM

TEST DATE 9/22/86 TIME 10:00 STATUS OF WELL SHUT-IN SHUT IN 9/20/86  
14:45

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|             |                       | .148                |
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| + 287       | + 41 ( .144 )         |                     |
| 11787 DATUM | 4300                  |                     |

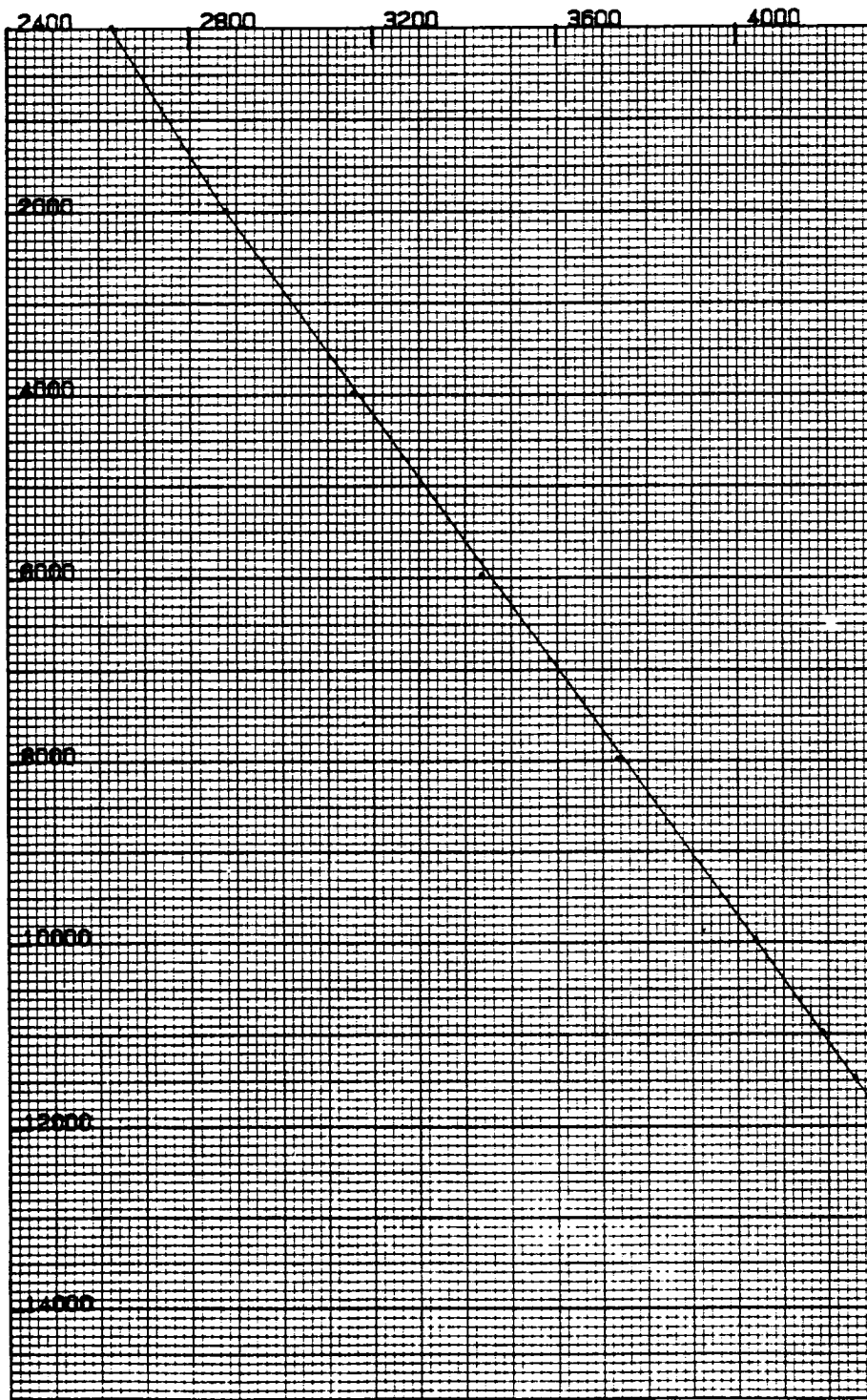
ELEV. K.B. 3901 GR. 3883  
PRESSURE DATUM 11805 MPP  
TOP OF PAY  
TUBING 2.375 11517 DEPTH  
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ARC PRESSURE DATA, INC.  
INDIVIDUAL WELL DATA SHEET

1  
COMPANY NORTH AMERICAN ROYALTIES LEASE HUDGENS WELL NO. \_\_\_\_\_  
FIELD WILDCAT COUNTY LEA STATE NM  
TEST DATE 9/22/86 TIME 10:00 STATUS OF WELL SHUT-IN SHUT IN 9/20/86  
12-85

## GRAPHIC ANALYSIS



| Depth<br>Feet | Pressure<br>Lbs. Sq. In. | * Gradient<br>Lbs./Ft. |
|---------------|--------------------------|------------------------|
| 0             | 2630                     |                        |
|               |                          | .125                   |
| 2000          | 2879                     |                        |
|               |                          | .139                   |
| 4000          | 3156                     |                        |
|               |                          | .140                   |
| 6000          | 3436                     |                        |
|               |                          | .149                   |
| 8000          | 3733                     |                        |
|               |                          | .153                   |
| 10000         | 4039                     |                        |
|               |                          | .148                   |
| 11000         | 4187                     |                        |
|               |                          | .144                   |
| 11500 R. D.   | 4259                     |                        |
| + 287         | + 41                     | ( .144 )               |
| 11787 DATUM   | 4300                     |                        |

ELEV. K.B. 3901 GR. 3883

PRESSURE DATUM 11805 MPP

TOP OF PAY

TUBING 2.375 11517 DEPTH

S.N. 11517 11517 PACKER

|        |     |       |       |
|--------|-----|-------|-------|
| CASING | 5.5 | 11994 | DEPTH |
|--------|-----|-------|-------|

PERF. 11792-11817

TOTAL DEPTH 11884 PB

FORMATION                      ATOKA

CASING PRESS. PKR

TUBING PRESS. 2625 DWG

TOP OF FLUID

TOP OF WATER

HRS.-SHUT IN 43.25 FLOWING

TEMP. @ 11518 " 177 °F

LAST TEST DATE

**PRESS. LAST TEST**

B. H. P. CHANGE + 4300

INSTRUMENT NO. 1000

RUN BY ORVILLE TURNER

CALCULATED BY RANDY HALEY



ARC PRESSURE DATA, INC.  
INDIVIDUAL WELL DATA SHEET

|                  |                |         |        |
|------------------|----------------|---------|--------|
| ELEV. K.B.       | 3901           | GR.     | 3883   |
| PRESSURE DATUM   | 11805 MPP      |         |        |
| TOP OF PAY       |                |         |        |
| TUBING           | 2.375          | 11517   | DEPTH  |
| S.N.             | 11517          | 11517   | PACKER |
| CASING           | 5.5            | 11994   | DEPTH  |
| PERF.            | 11792-11817    |         |        |
| TOTAL DEPTH      | 11884          | PB      |        |
| FORMATION        | ATOKA          |         |        |
| CASING PRESS.    | PKR            |         |        |
| TUBING PRESS.    | 2625           | DWG     |        |
| TOP OF FLUID     |                |         |        |
| TOP OF WATER     |                |         |        |
| HRS.-SHUT IN     | 43.25          | FLOWING |        |
| TEMP. @          | 11518          | =       | 177 °F |
| LAST TEST DATE   |                |         |        |
| PRESS. LAST TEST |                |         |        |
| B. H. P. CHANGE  | + 4300         |         |        |
| INSTRUMENT NO.   | 1000           |         |        |
| RUN BY           | ORVILLE TURNER |         |        |
| CALCULATED BY    | RANDY HALEY    |         |        |