

**DAILY DRILLING REPORT**  
 43

|                                               |                            |                        |                       |
|-----------------------------------------------|----------------------------|------------------------|-----------------------|
| CONTRACTOR...<br><i>San Drilling Co. Inc.</i> |                            | DATE<br><i>9-19-84</i> |                       |
| COMPANY<br><i>Loraine Cleaver</i>             | LEASE<br><i>C. Puckett</i> | WELL NO.<br><i>1</i>   | RIG NO.               |
| DISTRICT<br><i>#3</i>                         | COUNTY<br><i>Wilson</i>    | STATE<br><i>Kansas</i> | D. P. STRING NO. SIZE |

| FROM                      | TO | FORMATION                  | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME | HRS |
|---------------------------|----|----------------------------|--------------|---------------|------------|------|-----|
| 0                         | 1  | Soil                       |              |               |            | DM   |     |
| 1                         | 12 | Clay                       |              |               |            | EM   |     |
| 12                        | 89 | Shale                      |              |               |            | H    |     |
| SLOPE TEST                |    | ACCIDENT:—<br>(GIVE NAME)  |              |               |            | H    |     |
| <i>89° - 124</i>          |    | <i>Lime</i>                |              |               |            |      |     |
| <i>124 - 190 DEG. OFF</i> |    | <i>Shale &amp; Limest.</i> |              |               |            | DLR  |     |

| BIT AND COREHEAD RECORD |                           |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|---------------------------|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |                           |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |                           |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |                           |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |                           |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                | <i>Surface hole 9 1/8</i> |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |                           |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS: *Set 20 feet of 7" surface pipe cement with 6 sacks of Portland Cement & Calcium on 9-19-84 @ 9:00 A.M. Started drilling with 6 1/4" bit @ 8:00 P.M. on 9-19-84*

| FROM       | TO  | FORMATION                 | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME                                                 | HRS |
|------------|-----|---------------------------|--------------|---------------|------------|------------------------------------------------------|-----|
| 190        | 204 | LIME                      |              |               |            | from 215 to 318                                      |     |
| 204        | 215 | SHALE                     |              |               |            | Very Lite odor                                       |     |
| 215        | 318 | SAND                      |              |               |            | STOP @ 235 WAIT 15 MIN NO SHOW                       |     |
| SLOPE TEST |     | ACCIDENT:—<br>(GIVE NAME) |              |               |            | Mud Pump Shut down                                   |     |
| @          |     | FT.                       |              |               |            | 1 MIN to bring water back to surface                 |     |
| DEG. OFF   |     |                           |              |               |            | STOP @ 249 WAIT 15 MIN NO SHOW                       |     |
|            |     |                           |              |               |            | LITE BROWN TO GRAY SAND 1 MIN Bring water to surface |     |

| BIT AND COREHEAD RECORD |                       |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|-----------------------|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 | <i>100% Sand</i>      |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    | <i>from 215 - 337</i> |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    | <i>(122 ft.)</i>      |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |                       |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |                       |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |                       |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS: *New WM 02 @ 328 feet L 95912  
 Core from 328 to 344 full recovery*

| FROM             | TO  | FORMATION                         | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME                        | HRS |
|------------------|-----|-----------------------------------|--------------|---------------|------------|-----------------------------|-----|
| 318              | 334 | Sand good show of oil             |              |               |            | Lit show of gas             |     |
| 334              | 337 | Sand show of oil                  |              |               |            | EM                          |     |
| 337              | 350 | Lime & Shale st.                  |              |               |            | H                           |     |
| SLOPE TEST       |     | ACCIDENT:—<br>(GIVE NAME)         |              |               |            |                             |     |
| <i>350 - 374</i> |     | <i>Sand odor (no show of oil)</i> |              |               |            | lit @ 355 ft. lit @ 360 ft. |     |
| <i>374 - 390</i> |     | <i>SANDY LIME NO odor</i>         |              |               |            | Shut down wait 15 min       |     |

| BIT AND COREHEAD RECORD |  |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS:

DAILY DRILLING REPORT

|                                  |                         |                                             |  |                        |         |
|----------------------------------|-------------------------|---------------------------------------------|--|------------------------|---------|
| 43                               |                         | CONTRACTOR<br><i>Sun. Drilling Co., Inc</i> |  | DATE<br><i>9-20-84</i> |         |
| COMPANY<br><i>Lorine Cleaver</i> |                         | LEASE<br><i>C. Puc Kett</i>                 |  | WELL NO.<br><i>1</i>   | RIG NO. |
| DISTRICT<br><i>#3</i>            | COUNTY<br><i>Wilson</i> | STATE<br><i>Kansas</i>                      |  | D. P. STRING NO.       | SIZE    |

| FROM       | TO  | FORMATION                    | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. |    | NAME | HRS. |
|------------|-----|------------------------------|--------------|---------------|------------|----|------|------|
| 390        | 398 | <i>Sand 1/2</i>              |              |               |            | DM |      |      |
| 398        | 429 | <i>Sandy Lime</i>            |              |               |            | EM |      |      |
| 429        | 433 | <i>Black Shale</i>           |              |               |            | H  |      |      |
| SLOPE TEST |     | ACCIDENT:—<br>(GIVE NAME)    |              |               |            | H  |      |      |
| 433        | 450 | <i>Shale</i>                 |              |               |            |    |      |      |
| 450        | 456 | <i>Sand like show of oil</i> |              |               |            |    |      |      |
|            |     | <i>show of gas</i>           |              |               |            |    |      |      |

| BIT AND COREHEAD RECORD |  |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS:

| FROM       | TO  | FORMATION                 | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. |     | NAME | HRS. |
|------------|-----|---------------------------|--------------|---------------|------------|-----|------|------|
| 456        | 459 | <i>Lime</i>               |              |               |            | DM  |      |      |
| 459        | 479 | <i>Shale Sandy</i>        |              |               |            | EM  |      |      |
| 479        | 485 | <i>Shale</i>              |              |               |            | H   |      |      |
| SLOPE TEST |     | ACCIDENT:—<br>(GIVE NAME) |              |               |            | H   |      |      |
| 485        | 505 | <i>Lime</i>               |              |               |            |     |      |      |
| 505        | 507 | <i>Shale</i>              |              |               |            | DLR |      |      |

| BIT AND COREHEAD RECORD |  |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS:

| FROM       | TO  | FORMATION                 | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. |     | NAME | HRS. |
|------------|-----|---------------------------|--------------|---------------|------------|-----|------|------|
| 517        | 553 | <i>Lime</i>               |              |               |            | DM  |      |      |
| 553        | 556 | <i>Dark Shale</i>         |              |               |            | EM  |      |      |
| 556        | 558 | <i>Lime</i>               |              |               |            | H   |      |      |
| SLOPE TEST |     | ACCIDENT:—<br>(GIVE NAME) |              |               |            | H   |      |      |
| 558        | 564 | <i>Black Shale</i>        |              |               |            |     |      |      |
| 564        | 567 | <i>Shale</i>              |              |               |            | DLR |      |      |

| BIT AND COREHEAD RECORD |  |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS:

STATE CORPORATION COMMISSION

DAILY DRILLING REPORT

43

CONTRACTOR *Sun Drilling Co. Inc.* DATE *9-20-89*

COMPANY *Loraine Cleaver* LEASE *C Puckett* WELL NO. *1* RIG NO.

DISTRICT *#3* COUNTY *Wilson* STATE *Kansas* D. P. STRING NO. SIZE

| FROM       | TO  | FORMATION                 | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. |     | NAME               | HRS. |
|------------|-----|---------------------------|--------------|---------------|------------|-----|--------------------|------|
| 597        | 601 | Lime                      |              |               |            | DM  |                    |      |
| 601        | 627 | Sandy Shale               |              |               |            | EM  |                    |      |
| 627        | 631 | Lime                      |              |               |            | H   | Lene pah Lime Zone |      |
| SLOPE TEST |     | ACCIDENT:—<br>(GIVE NAME) |              |               |            | H   |                    |      |
| 631        | 638 | Sandy Lime Lide odor      |              |               |            |     | Wayside SAND Zone  |      |
| 638        | 640 | Lime                      |              |               |            | DLR | Altmont Lime Zone  |      |

| BIT AND COREHEAD RECORD |  |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS: *New WM03 @ 629 ft L 73 207*

| FROM       | TO  | FORMATION                 | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. |     | NAME         | HRS. |
|------------|-----|---------------------------|--------------|---------------|------------|-----|--------------|------|
| 640        | 645 | Sandy Shale               |              |               |            | DM  |              |      |
| 645        | 661 | Sand                      |              |               |            | EM  | Weisner Zone |      |
| 661        | 763 | Sandy Shale               |              |               |            | H   | SAND         |      |
| SLOPE TEST |     | ACCIDENT:—<br>(GIVE NAME) |              |               |            | H   |              |      |
| 763-777    |     | Lime                      |              |               |            |     | Pawnee Zone  |      |
| 777-807    |     | Sandy Shale Lide odor     |              |               |            | DLR | Pera Zone    |      |

| BIT AND COREHEAD RECORD |  |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS:

| FROM | TO  | FORMATION           | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. |     | NAME              | HRS. |
|------|-----|---------------------|--------------|---------------|------------|-----|-------------------|------|
| 807  | 831 | Lime 20 ft or Osage |              |               |            | DM  |                   |      |
| 831  | 836 | Black Shale         |              |               |            | EM  |                   |      |
| 836  | 842 | Lime 5 ft.          |              |               |            | H   | Fort Scott Series |      |
| 842  | 844 | Shale Black         |              |               |            | H   | Lime zone's       |      |
| 844  | 847 | Lime                |              |               |            |     |                   |      |
| 847  | 850 | White Mudstone      |              |               |            | DLR |                   |      |

| BIT AND COREHEAD RECORD |  |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS:



DAILY DRILLING REPORT

43

CONTRACTOR

*Sam Drilling Co. Inc.*

DATE

*9-20-84*

COMPANY

*Loraine Cleaver*

LEASE

*C. Puckett*

WELL NO.

*1*

RIG NO.

DISTRICT

*# 3*

COUNTY

*Wilson*

STATE

*Kansas*

D. P. STRING NO.

SIZE

| FROM | TO  | FORMATION                                   | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME | HRS. |
|------|-----|---------------------------------------------|--------------|---------------|------------|------|------|
| 850  | 851 | <i>Lime Cap</i>                             |              |               |            |      |      |
| 851  | 871 | <i>Gray Sandy Shale upper Squirrel zone</i> |              |               |            |      |      |
| 871  | 872 | <i>Cap Rock</i>                             |              |               |            |      |      |
| 872  | 875 | <i>ACCIDENT: - Shale</i>                    |              |               |            |      |      |
| 875  | 876 | <i>Cap Rock Lower Squirrel zone</i>         |              |               |            |      |      |
| 876  | 912 | <i>Shale</i>                                |              |               |            |      |      |

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

| RUN RECORD |  |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |   |
|------------|--|--|----------------------|--|-------------|--|-------------------|---|
| RUN NO.    |  |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |   |
| SIZE       |  |  | VISC.                |  | CORING      |  | SIZE COLL.        |   |
| MAKE       |  |  | WTR. LOSS-C.C.       |  | OTHER       |  | JTS. D. P.        | F |
| SERIAL NO. |  |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | F |
| DEPTH IN   |  |  | PH.                  |  | TRIP        |  | COLLARS           | F |
| HOURS RUN  |  |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             |   |

REMARKS:

| FROM | TO  | FORMATION                                    | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME | HRS. |
|------|-----|----------------------------------------------|--------------|---------------|------------|------|------|
| 912  | 915 | <i>Lime</i>                                  |              |               |            |      |      |
| 915  | 918 | <i>Black Shale</i>                           |              |               |            |      |      |
| 918  | 979 | <i>Sandy Shale white Catlemons sand zone</i> |              |               |            |      |      |
| 979  | 980 | <i>ACCIDENT: - LIME</i>                      |              |               |            |      |      |
| 980  | 985 | <i>DEG. OFF DARK SHALE</i>                   |              |               |            |      |      |

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

| RUN NO. | SIZE | MAKE | SERIAL NO. | DEPTH IN | HOURS RUN | WEIGHT | VISC. | WTR. LOSS-C.C. | FILTER CAKE | PH. | MTL. ADDED (REMARKS) | DRILLING | CORING | OTHER | REPAIRS | TRIP | SIZE D. P. | SIZE COLL. | JTS. D. P. | KELLY DOWN | COLLARS | TOTAL |
|---------|------|------|------------|----------|-----------|--------|-------|----------------|-------------|-----|----------------------|----------|--------|-------|---------|------|------------|------------|------------|------------|---------|-------|
|         |      |      |            |          |           |        |       |                |             |     |                      |          |        |       |         |      |            |            |            |            |         |       |

REMARKS:

| FROM | TO   | FORMATION                               | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME | HRS. |
|------|------|-----------------------------------------|--------------|---------------|------------|------|------|
| 985  | 990  | <i>Sand odor Little show of oil</i>     |              |               |            |      |      |
| 990  | 1000 | <i>Sandy Shale Little odor</i>          |              |               |            |      |      |
| 1000 | 1018 | <i>Dark Shale</i>                       |              |               |            |      |      |
| 1018 | 1030 | <i>ACCIDENT: - Gray Shale</i>           |              |               |            |      |      |
| 1030 | 1045 | <i>DARK SHALE</i>                       |              |               |            |      |      |
| 1045 | 1060 | <i>DEG. OFF GRAY SANDY SHALE NO OIL</i> |              |               |            |      |      |

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

| RUN NO. | SIZE | MAKE | SERIAL NO. | DEPTH IN | HOURS RUN | WEIGHT | VISC. | WTR. LOSS-C.C. | FILTER CAKE | PH. | MTL. ADDED (REMARKS) | DRILLING | CORING | OTHER | REPAIRS | TRIP | SIZE D. P. | SIZE COLL. | JTS. D. P. | KELLY DOWN | COLLARS | TOTAL |
|---------|------|------|------------|----------|-----------|--------|-------|----------------|-------------|-----|----------------------|----------|--------|-------|---------|------|------------|------------|------------|------------|---------|-------|
|         |      |      |            |          |           |        |       |                |             |     |                      |          |        |       |         |      |            |            |            |            |         |       |

REMARKS:

STATE CORPORATION COMMISSION

APPROVED

SEP - 5 1984

THIS FORM DEVELOPED AND DESIGNED BY  
 THE AMERICAN ASSOCIATION OF OILWELL  
 DRILLING CONTRACTORS.

CONSERVATION DIVISION  
 WICHITA, KANSAS

TOOL  
 PUSHER

DAILY DRILLING REPORT

43

CONTRACTOR

SUN DRILLING INC CO.

DATE

9-21-84

COMPANY

LORAIN CLEAVER

LEASE

C PUCKETT

WELL NO.

1

RIG NO.

DISTRICT

#3

COUNTY

WILSON

STATE

KANSAS

D. P. STRING NO.

SIZE

| FROM       | TO   | FORMATION                            | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME                                  | HRS. |
|------------|------|--------------------------------------|--------------|---------------|------------|---------------------------------------|------|
| 1060       | 1074 | With chert SANDY LIME GRAY TOP MISS. |              |               |            | DM Zone (Remarks)                     |      |
| 1074       | 1089 | <del>SANDY</del> Dolomite & chert    |              |               |            | EM Lite odor from 1076-8081           |      |
| 1089       | 1093 | Lime & chert                         |              |               |            | H No show of free oil                 |      |
| SLOPE TEST |      | ACCIDENT: (GIVE NAME)                |              |               |            | H (from 1081-1089 Lite flor. No odor) |      |
| 1093-1104  |      | Lite Brown Dolomite & chert VERY     |              |               |            | H Lite flor. No odor (Second break)   |      |
| 1104-1116  |      | Lime & chert                         |              |               |            | ORLH                                  |      |

| BIT AND COREHEAD RECORD |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  | WTR. LOSS C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS: Put Button Bits on - Mixed 30 Sacks of gel - 1 Caustic Soda  
 1 Soda ash - 1/2 Tannachin - 1/2 Halls - @ 1109 feet  
 1/2 Halls while drilling

| FROM       | TO   | FORMATION                                         | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME | HRS. |
|------------|------|---------------------------------------------------|--------------|---------------|------------|------|------|
| 1116       | 1118 | Brown dolomite No show                            |              |               |            | DM   |      |
| 1118       | 1152 | Lime chert + dolomite Lite show from 1145 to 1147 |              |               |            |      |      |
| 1152       | 1202 | Lime                                              |              |               |            | H    |      |
| SLOPE TEST |      | ACCIDENT: (GIVE NAME)                             |              |               |            | H    |      |
| 1202-1230  |      | White Muddy Shale                                 |              |               |            |      |      |
| 1230-1245  |      | Gray Lime + Shale                                 |              |               |            | ORLH |      |

| BIT AND COREHEAD RECORD |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  | WTR. LOSS C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS: from 1109 feet to 1195 drilled with J33 button  
 from 1195 feet to 1209 drilled with HARD formation Rock bit  
 from 1209 feet to 1276 drilled with J55 button

| FROM                       | TO   | FORMATION                      | ROTARY SPEED | WEIGHT ON BIT | PUMP PRES. | NAME | HRS. |
|----------------------------|------|--------------------------------|--------------|---------------|------------|------|------|
| 1245                       | 1266 | Shale                          |              |               |            | DM   |      |
| 1266                       | 1276 | Ordinable Lime                 |              |               |            | EM   |      |
| C.                         | 1276 | Good odor and good show of oil |              |               |            | H    |      |
| SLOPE TEST                 |      | ACCIDENT: (GIVE NAME)          |              |               |            | H    |      |
| T.D. @ Bottom of 1276 feet |      |                                |              |               |            |      |      |
| DEG. OFF                   |      |                                |              |               |            | ORLH |      |

| BIT AND COREHEAD RECORD |  | MUD RECORD           |  | TIME RECORD |  | DRILL STEM RECORD |     |
|-------------------------|--|----------------------|--|-------------|--|-------------------|-----|
| RUN NO.                 |  | WEIGHT               |  | DRILLING    |  | SIZE D. P.        |     |
| SIZE                    |  | VISC.                |  | CORING      |  | SIZE COLL.        |     |
| MAKE                    |  | WTR. LOSS C.C.       |  | OTHER       |  | JTS. D. P.        | FT. |
| SERIAL NO.              |  | FILTER CAKE          |  | REPAIRS     |  | KELLY DOWN        | FT. |
| DEPTH IN                |  | PH.                  |  | TRIP        |  | COLLARS           | FT. |
| HOURS RUN               |  | MTL. ADDED (REMARKS) |  |             |  | TOTAL             | FT. |

REMARKS: Ran 1275 feet of 4 1/2 pipe set packer @ 1275 feet -  
 packer set @ 650 PSI on mud pump gauge SEP - 5 1986