

OPERATOR: RITCHIE EXPLOSION INC.
 FIELD: N.V. ROAD, ESTHLE #1
 LOCATION: SE NE (1900 E.M. & 300 E.E.)
 COUNTY: SOUTHWIND R132-14-14
 SEC.: 18 TWP.: 21 RGE.: 18W
 PAWNEE STATE
 COORDINATE: 1000000 4000000
 ELEVATION: 2850' TO 4713'
 SURVEY: 3200' TO 4713'
 DRILLING TIME FROM: 2850' TO 4713'
 SAMPLES EXAMINED FROM: 3200' TO 4713'
 DISTURBED: 3410' TO 4713'
 DATE: 15-16-21-17-22-00-00 CHEMICAL

WELL LOG SHEETS
 OPM DEVL/ENTRPM
 OPM JOCKEYRM
 WITNESSES: JIM HABER

HEEBNER SH 3252 - 1531 3508 - 1931 -18
 MUNCIE SH 3742 - 1505 3742 - 1505 -17
 STARK SH 3865 - 1764 3865 - 1764 -10
 HUGH SH 3985 - 1929 3985 - 1929 -10
 BRC 3988 - 1937 3988 - 1937 -10
 ALTAMONT 3936 - 1647 3936 - 1647 -10
 PAWNEE 3976 - 1885 3976 - 1885 -10
 FT SCOTT 4001 - 1910 4001 - 1910 -10
 CHEROKEE SH 4020 - 1929 4020 - 1929 -10
 CONGL 4037 - 1946 4037 - 1946 -10
 ARBUCKLE 4078 - 1987 4078 - 1987 -10
 GRAN 4615 - 2524 4615 - 2524 -10

| DATE | TIME | DEPTH | DIAGNOSIS | REMARKS |
|---------|----------|-------|-----------|---------|
| 6-20-14 | 11:00 AM | 1168 | ANHYDRITE | |
| 7-1 | 11:00 AM | 1194 | BASE | |
| 7-4 | 11:00 AM | 1194 | BASE | |
| 7-5 | 11:00 AM | 1194 | BASE | |
| 7-6 | 11:00 AM | 1194 | BASE | |
| 7-7 | 11:00 AM | 1194 | BASE | |

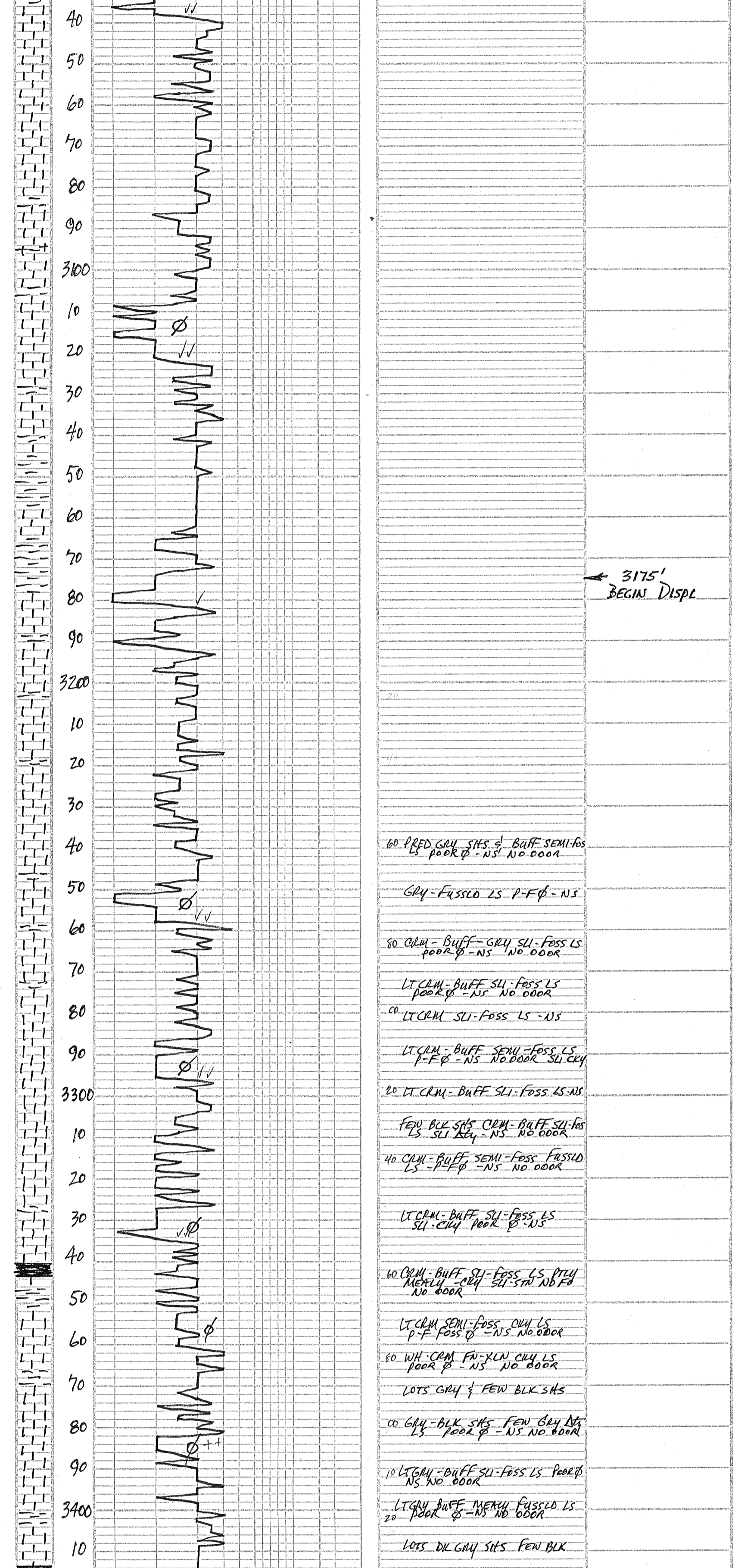
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| 7-5 | 11:00 AM | 1194 | BASE | |
| 7-6 | 11:00 AM | 1194 | BASE | |
| 7-7 | 11:00 AM | 1194 | BASE | |

THIS TEST WELL AFTER SIGNIFICANT ESTIMATION OF E-LINE
 GEOL. LITH. # 554

STATUS: RECOMMENDED TO DRILL & ABANDON
 THIS TEST WELL AFTER SIGNIFICANT ESTIMATION OF E-LINE
 GEOL. LITH. # 554

LEGEND

| | |
|----------|-----------|
| [Symbol] | Anhydrite |
| [Symbol] | Salt |
| [Symbol] | Sandstone |
| [Symbol] | Shale |
| [Symbol] | Coal sh |
| [Symbol] | Limestone |
| [Symbol] | Oil Lims |
| [Symbol] | Chert |
| [Symbol] | Dolomite |



| DEPTH | DIAGNOSIS | REMARKS |
|-------|-----------|---------|
| 1168 | ANHYDRITE | |
| 1194 | BASE | |
| 1200 | | |
| 1300 | | |
| 1400 | | |
| 1500 | | |
| 1600 | | |
| 1700 | | |
| 1800 | | |
| 1900 | | |
| 2000 | | |
| 2100 | | |
| 2200 | | |
| 2300 | | |
| 2400 | | |
| 2500 | | |
| 2600 | | |
| 2700 | | |
| 2800 | | |
| 2900 | | |
| 3000 | | |
| 3100 | | |
| 3200 | | |
| 3300 | | |
| 3400 | | |
| 3500 | | |
| 3600 | | |
| 3700 | | |
| 3800 | | |
| 3900 | | |
| 4000 | | |
| 4100 | | |
| 4200 | | |
| 4300 | | |
| 4400 | | |
| 4500 | | |
| 4600 | | |
| 4700 | | |

RTD: 4710'
 LTD: 4713'