

Company Griggs Oil, Inc. Lease & Well No. Einse1 'B' #2
 Elevation Not known Formation Mississippi Effective Pay ----- Ft. Ticket No. 6684
 Date 7/9/80 Sec. 14 Twp. 33S Range 17W County Comanche State Kansas
 Test Approved by Al Stude Western Representative Dave Sloan

Formation Test No. 1 Interval Tested from 5070 ft. to 5093 ft. Total Depth 5093 ft.
 Packer Depth 5065 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5070 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5079 ft. Recorder Number 2604 Cap. 4150
 Bottom Recorder Depth (Outside) 5082 ft. Recorder Number 6246 Cap. 5200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Venture Drilling Rig #3 Drill Collar Length 150 I. D. 2.2 in.
 Mud Type drispac Viscosity 53 Weight Pipe Length -- I. D. - in.
 Weight 9.1 Water Loss 16.6 cc. Drill Pipe Length 4891 I. D. 3.8 in.
 Chlorides 15,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WIC Serial Number 408 Anchor Length 23 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4FH in.

Blow: Weak blow; dying seven minutes on initial flow period. Few bubbles after flushing tool in final flow period.

Recovered 5 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Flushed tool after five minutes in final flow period.

| | | | | | | | |
|------------------------------|-------------|-------------------------|-------------------------|--------------|-------------------------|---------------------|-------------|
| Time Set Packer(s) | <u>9:00</u> | A.M. P.M. | Time Started Off Bottom | <u>10:50</u> | A.M. P.M. | Maximum Temperature | <u>124°</u> |
| Initial Hydrostatic Pressure | (A) | <u>2337</u> | | | P.S.I. | | |
| Initial Flow Period | Minutes | <u>30</u> | (B) | <u>51</u> | P.S.I. to (C) | <u>38</u> | P.S.I. |
| Initial Closed In Period | Minutes | <u>30</u> | (D) | <u>38</u> | P.S.I. | | |
| Final Flow Period | Minutes | <u>20</u> | (E) | <u>38</u> | P.S.I. to (F) | <u>63</u> | P.S.I. |
| Final Closed In Period | Minutes | <u>27</u> | (G) | <u>63</u> | P.S.I. | | |
| Final Hydrostatic Pressure | (H) | <u>2326</u> | | | P.S.I. | | |

WESTERN TESTING CO., INC.

Pressure Data

Date 7-9-80

Test Ticket No. 6684

Recorder No. 2604

Capacity 4150

Location 5079 Ft.

Clock No. ----- Elevation -----

Well Temperature 124 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|----------------|-----------------|
| A Initial Hydrostatic Mud | <u>2337</u> P.S.I. | Open Tool | 9:00 P | M |
| B First Initial Flow Pressure | <u>51</u> P.S.I. | First Flow Pressure | <u>30</u> Mins | <u>30</u> Mins. |
| C First Final Flow Pressure | <u>38</u> P.S.I. | Initial Closed-in Pressure | <u>30</u> Mins | <u>30</u> Mins. |
| D Initial Closed-in Pressure | <u>38</u> P.S.I. | Second Flow Pressure | <u>20</u> Mins | <u>20</u> Mins. |
| E Second Initial Flow Pressure | <u>38</u> P.S.I. | Final Closed-in Pressure | <u>30</u> Mins | <u>27</u> Mins. |
| F Second Final Flow Pressure | <u>63</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>63</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>2326</u> P.S.I. | | | |

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

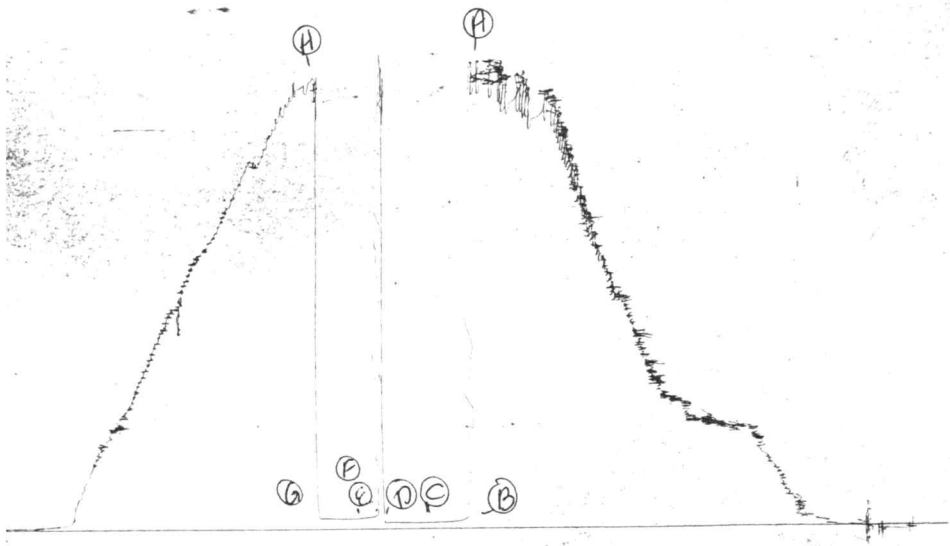
Final Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|---------------|-----------|---------------|-----------|---------------|--------------|---------------|-----------|
| P 1 <u>0</u> | <u>51</u> | <u>0</u> | <u>38</u> | <u>0</u> | <u>38</u> | <u>0</u> | <u>63</u> |
| P 2 <u>5</u> | <u>48</u> | <u>3</u> | <u>38</u> | <u>5</u> | Flushed Tool | <u>3</u> | <u>63</u> |
| P 3 <u>10</u> | <u>42</u> | <u>6</u> | <u>38</u> | <u>10</u> | <u>70</u> | <u>6</u> | <u>63</u> |
| P 4 <u>15</u> | <u>40</u> | <u>9</u> | <u>38</u> | <u>15</u> | <u>68</u> | <u>9</u> | <u>63</u> |
| P 5 <u>20</u> | <u>39</u> | <u>12</u> | <u>38</u> | <u>20</u> | <u>63</u> | <u>12</u> | <u>63</u> |
| P 6 <u>25</u> | <u>38</u> | <u>15</u> | <u>38</u> | | | <u>15</u> | <u>63</u> |
| P 7 <u>30</u> | <u>38</u> | <u>18</u> | <u>38</u> | | | <u>18</u> | <u>63</u> |
| P 8 | | <u>21</u> | <u>38</u> | | | <u>21</u> | <u>63</u> |
| P 9 | | <u>24</u> | <u>38</u> | | | <u>24</u> | <u>63</u> |
| P10 | | <u>27</u> | <u>38</u> | | | <u>27</u> | <u>63</u> |
| P11 | | <u>30</u> | <u>38</u> | | | | |
| P12 | | | | | | | |
| P13 | | | | | | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

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Company Griggs Oil, Inc. Lease & Well No. Einsel 'B'#2
 Elevation 1919 Kelly Bushing Mississippi Formation Effective Pay ----- Ft. Ticket No. 6685
 Date 7/10/80 Sec. 14 Twp. 33S Range 17W County Comanche State Kansas

Test Approved by A, Stude Western Representative Dave Sloan

Formation Test No. 2 Interval Tested from 5093 ft. to 5113 ft. Total Depth 5113 ft.
 Packer Depth 5088 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5093 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 5102 ft. Recorder Number 2604 Cap. 4150
 Bottom Recorder Depth (Outside) 5105 ft. Recorder Number 6246 Cap. 5200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Venture Drilling Rig #3 Drill Collar Length 150 I. D. 2.2 in.
 Mud Type drispac Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss 20.8 cc. Drill Pipe Length 4914 I. D. 3.2 in.
 Chlorides 20,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WIC Serial Number 408 Anchor Length 20 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4FH in.

Blow: Weak blow dying in seven minutes on initial flow period. Few bubbles after flushing tool in final flow period.

Recovered 5 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Flushed tool after five minutes on final flow period.

Time Set Packer(s) 8:35 ~~A.M.~~ P.M. Time Started Off Bottom 10:25 ~~A.M.~~ P.M. Maximum Temperature 126°
 Initial Hydrostatic Pressure (A) 2449 P.S.I.
 Initial Flow Period Minutes 30 (B) 76 P.S.I. to (C) 44 P.S.I.
 Initial Closed In Period Minutes 30 (D) 85 P.S.I.
 Final Flow Period Minutes 20 (E) 85 P.S.I. to (F) 44 P.S.I.
 Final Closed In Period Minutes 30 (G) 91 P.S.I.
 Final Hydrostatic Pressure (H) 2407 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 7-10-80

Test Ticket No. 6685

Recorder No. 2604

Capacity 4150

Location 5102 Ft.

Clock No. --

Elevation 1919 Kelly Bushing

Well Temperature 126 °F

| Point | Pressure | | Time Given | P. | M. | Time Computed |
|--------------------------------|----------|--------|------------|-------|----|---------------|
| A Initial Hydrostatic Mud | 2449 | P.S.I. | 8:35 | | | |
| B First Initial Flow Pressure | 76 | P.S.I. | 30 | Mins. | | 30 Mins. |
| C First Final Flow Pressure | 44 | P.S.I. | 30 | Mins. | | 30 Mins. |
| D Initial Closed-in Pressure | 85 | P.S.I. | 20 | Mins. | | 20 Mins. |
| E Second Initial Flow Pressure | 85 | P.S.I. | 30 | Mins. | | 30 Mins. |
| F Second Final Flow Pressure | 44 | P.S.I. | | | | |
| G Final Closed-in Pressure | 91 | P.S.I. | | | | |
| H Final Hydrostatic Mud | 2407 | P.S.I. | | | | |

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|--------|---------------|--------|---------------|--------------|---------------|--------|
| P 1 0 | 76 | 0 | 44 | 0 | 85 | 0 | 44 |
| P 2 5 | 52 | 3 | 47 | 5 | Flushed Tool | 3 | 47 |
| P 3 10 | 42 | 6 | 48 | 10 | 68 | 6 | 49 |
| P 4 15 | 42 | 9 | 51 | 15 | 49 | 9 | 53 |
| P 5 20 | 45 | 12 | 55 | 20 | 44 | 12 | 57 |
| P 6 25 | 44 | 15 | 58 | | | 15 | 62 |
| P 7 30 | 44 | 18 | 64 | | | 18 | 66 |
| P 8 | | 21 | 70 | | | 21 | 72 |
| P 9 | | 24 | 76 | | | 24 | 79 |
| P10 | | 27 | 81 | | | 27 | 85 |
| P11 | | 30 | 85 | | | 30 | 91 |
| P12 | | | | | | | |
| P13 | | | | | | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

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SKT # 6685

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