

Weissbeck # 33-8-4

33-11-25W

P1

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CRUDE OIL TESTING INC.

FOR: Oxford Exploration Co. TEST 4543

DST 1 08/18/84

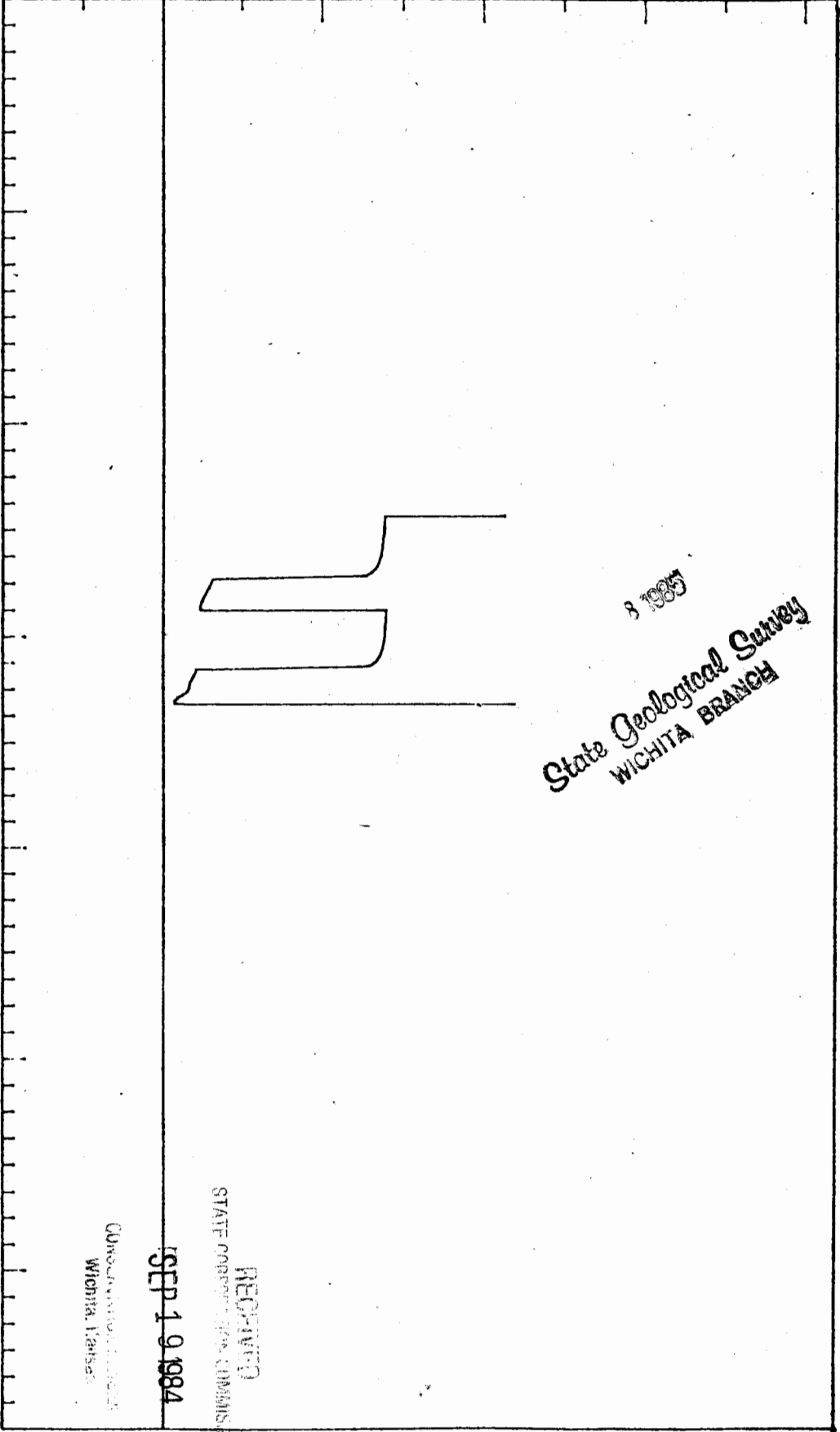
8 1985
State Geological Survey
WICHITA BRANCH

PRESSURE

4000
3000
2000
1000
0
-1000

675 475 275 75 125 325 525

TIME (MINUTES)



SEP 19 1984

Director, State Geological Survey
Wichita, Kansas

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Weissbeck #33-8-4

33-11-25W

CRUDE OIL TESTING, INC.

DATE 9/18/84

TEST TICKET NO. 4543

Company: Oxford Exploration Co.
Company Address: 1550 Denver Club Bldg. Denver CO 80202
Location: Sec. 33 Twp. 11S Range 25W Co. Trego State KS
Well Name & Number: Weissbeck #33-8-4 Code E9

ENGINEERING DATA
Elevation 2561 ME
Mud Viscosity 39
Mud Weight 9.9
Water Loss 20
Type of Mud Starch
Packer Length 50
Hole Size 7 7/8
Casing Size 8 5/8
Surface Choke 3/4
Bottom Choke 3/4
Extra Equipment
Drill Pipe Length 3415 ID 3.8"
Weight Pipe Length 316 ID 2.76"
Drill Collar Length 302 ID 2.25"
Top Packer Depth 4050
Bottom Packer Depth 4055
Tool Joint Size 4.5 XM
Test Tool Size 5 1/2
Packer Size 6 3/4
Reversed Out No
Recorder # 13255

REMARKS DST #1

FORMATION
Landing Zone E-1 Test Type Conventional
Interval 4055 To 4105 Total Depth 4105
Open 30 Shut In 60 Open 30 Shut In 30
Packer(s) Set 11:45 AM Started Off Bottom 02:50 PM
Blow 1st Opening String off bottom of bucket in 16 min.
2nd Opening Good blow off bottom of bucket in 25 min.

RECOVERY
Total Feet 600
Recovered 500 feet of muddy water w/ slight amount of oil

CALCULATED RECOVERY
Gas 311 Water 100 Mud 120
Gravity (Oil) Test Water Chlorides 35,000 PPM
Test Area Temperature 111F Mud System Chlorides 15,000 PPM

PRESSURE
(A) Initial Hydrostatic Mud 2189 2196 PSI
(B) First Initial Circulation 58 69 PSI
(C) Second Initial Circulation 199 205 PSI
(D) Initial Circulation Pressure 1386 1400 PSI
(E) Second Initial Circulation Pressure 210 228 PSI
(F) Second Initial Circulation Pressure 304 311 PSI
(G) Third Initial Circulation Pressure 1386 1387 PSI
(H) Third Initial Circulation Pressure 2177 2135 PSI

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PRESSURE BREAKDOWN

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TEST TICKET NO. 4542

DST Number: 1 Recorder Number: 13255 Clock Number: 25115

| First Flow Pressure | Initial Shut-In | Second Flow Pressure | Final Shut-In |
|---------------------|-----------------|----------------------|---------------|
| Mins. Press. | Mins. Press. | Mins. Press. | Mins. Press. |
| 0 | 63 | 0 | 205 |
| 3 | 71 | 3 | 1291 |
| 6 | 83 | 6 | 1323 |
| 9 | 121 | 9 | 1342 |
| 12 | 148 | 12 | 1355 |
| 15 | 153 | 15 | 1365 |
| 18 | 151 | 18 | 1371 |
| 21 | 155 | 21 | 1377 |
| 24 | 177 | 24 | 1380 |
| 27 | 183 | 27 | 1384 |
| 30 | 190 | 30 | 1388 |
| 33 | 205 | 33 | 1389 |
| | | 36 | 1391 |
| | | 39 | 1392 |
| | | 42 | 1393 |
| | | 45 | 1396 |
| | | 48 | 1397 |
| | | 51 | 1398 |
| | | 54 | 1399 |
| | | 56 | 1399 |

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SEP 19 1984
COUNCIL BLVD
WICHITA, KANSAS

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EQUIPMENT DATA

TOOL SEQUENCE REPORT

DST Number: 1

TEST TICKET NO. 4543

WELL NAME: Weissbeck #33-8-4

WELL LOCATION: 33-11S-25W

| Tool # | Tool | Length | I.D. | O.D. |
|-------------|-------------------|---------|-------|------|
| 1 | Drill Pipe - 4.5" | 3415.00 | 3.826 | 4.50 |
| 3 | Weight Pipe | 315.00 | 2.750 | 4.50 |
| 4 | Drill Collar - 6" | 302.00 | 2.250 | 6.00 |
| 8 | Circulating Sub | 1.00 | 3.000 | 3.00 |
| 7 | Changeover Sub | 2.00 | 3.000 | 3.00 |
| 9 | Shut-In Tool | 5.45 | 0.870 | 3.00 |
| 10 | Hydraulic Tool | 3.00 | 1.000 | 3.00 |
| 14 | Packer | 5.35 | 1.530 | 6.75 |
| 14 | Packer | 5.35 | 1.530 | 6.75 |
| 5 | Anchor | 46.00 | 2.750 | 3.00 |
| 15 | Recorder Carrier | 1.00 | | 3.00 |
| 16 | Bull Plug | 2.00 | | 3.00 |
| Total Depth | | 4196.75 | | |

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WICHITA BRANCH

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DATE 3/19/84

CRUDE OIL TESTING, INC.

TEST TICKET NO. 4544

Company: Oxford Exploration Co.
Company Address: 1550 Denver Club Bldg. Denver CO 80202
Location: Sec. 33 Twp. 11S Range 25W Co. Trego State KS
Well Name & Number: Weissbeck #33-8-4 Code E9

| | | | | | |
|------------------|-----------------|---------|---------------------|--------|----------|
| ENGINEERING DATA | Elevation | 2561 KB | Drill Pipe Length | 3534 | ID 3.8" |
| | Mud Viscosity | 44 | Weight Pipe Length | 191 | ID 2.76" |
| | Mud Weight | 9.9 | Drill Collar Length | 302 | ID 2.25" |
| | Water Loss | 14.4 | Top Packer Depth | 4044 | |
| | Type of Mud | Starch | Bottom Packer Depth | 4065 | |
| | Anchor Length | 22 | Tool Joint Size | 4.5 XH | |
| | Hole Size | 7 7/8 | Test Tool Size | 5 1/2 | |
| | Casing Size | 8 5/8 | Packer Size | 6 3/4 | |
| | Surface Choke | 3/4 | Reversed Out | No | |
| | Bottom Choke | 3/4 | Recorder # | 13215 | |
| | Extra Equipment | | Extra packer | | |

REMARKS DSI #2

FORMATION Lansing Zone E-1 Test Type Straddle
Interval 4044 To 4065 Total Depth 4065
Open 1:30 Shut In 30 Open 1:30 Shut In 30
Packer(s) Set 01:47PM Started Off Bottom 03:50PM
Blow 1st Opening No blow, flushed tool, good surge, no help.
2nd Opening No blow.

RECOVERY Total Feet 5
Recovered 5 feet of slightly oil stained mud

CALCULATED RECOVERY Gas Oil .1 Water .05 Mud 4.25
Gravity (Oil) Test Water Chloride- PPM
Test Area Temperature 116F Mud System Chloride 10,000 PPM

| | | FIELD READING | OFFICE READING |
|----------|----------------------------------|---------------|----------------|
| PRESSURE | (1) Initial Hydrostatic Mud | 2166 | 2166 |
| | (1) First Initial Flow Pressure | 23 | 23 |
| | (1) First Final Flow Pressure | 23 | 23 |
| | (1) Initial Closed-In Pressure | 93 | 93 |
| | (1) Second Initial Flow Pressure | 23 | 23 |
| | (1) Second Final Flow Pressure | 23 | 23 |
| | (1) Final Closed-In Pressure | 70 | 70 |
| | (1) Final Hydrostatic Mud | 2154 | 2154 |

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CALCULATED RECOVERY ANALYSIS

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DST Number: 1

TEST TICKET NO. 4540

| Sample # | Total Feet | **** Gas % | **** Feet | **** Oil % | **** Feet | **** Mud % | **** Feet |
|----------|------------|------------|-------------|------------|-------------|------------|---------------|
| 1 | 600 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 120.00 |
| TOTAL | <u>600</u> | 0.00 | <u>0.00</u> | 0.00 | <u>0.00</u> | 20.00 | <u>120.00</u> |

| Sample # | **** Water % | **** Feet | Chlorides (PPM) | Resistivity (Ohms) | Temperature (Deg) |
|----------|--------------|---------------|-----------------|--------------------|-------------------|
| 1 | 80.00 | 480.00 | 56,000 | | |
| TOTAL | 80.00 | <u>480.00</u> | | | |

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WICHITA BRANCH

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CALCULATED RECOVERY ANALYSIS

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DST Number: 2

TEST TICKET NO. 4544

| Sample # | Total Feet | **** Gas % | **** Feet | **** Oil % | **** Feet | **** Mud % | **** Feet |
|----------|------------|------------|-------------|------------|-------------|------------|-------------|
| 1 | 5 | 0.00 | 0.00 | 2.00 | 0.10 | 97.00 | 4.85 |
| TOTAL | <u>5</u> | 0.00 | <u>0.00</u> | 2.00 | <u>0.10</u> | 97.00 | <u>4.85</u> |

| Sample # | **** Water % | **** Feet | Chlorides (PPM) | Resistivity (Ohms) | Temperature (Deg) |
|----------|--------------|-------------|-----------------|--------------------|-------------------|
| 1 | 1.00 | 0.05 | | | |
| TOTAL | 1.00 | <u>0.05</u> | | | |

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MINERAL DIVISION
Wichita, Kansas

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EQUIPMENT DATA

TOOL SEQUENCE REPORT

DST Number: 2

TEST TICKET NO. 4544

WELL NAME: Weissbeck #33-8-4

WELL LOCATION: 33-11S-25W

| Tool # | Tool | Length | I.D. | O.D. |
|-------------|-------------------|---------|-------|------|
| 1 | Drill Pipe - 4.5" | 3534.00 | 3.826 | 4.50 |
| 3 | Weight Pipe | 191.00 | 2.760 | 4.50 |
| 4 | Drill Collar - 6" | 302.00 | 2.250 | 6.00 |
| 8 | Circulating Sub | 1.00 | 3.000 | 5.00 |
| 9 | Shut-In Tool | 5.45 | 0.870 | 5.00 |
| 10 | Hydraulic Tool | 5.60 | 1.000 | 5.00 |
| 14 | Packer | 5.35 | 1.530 | 6.75 |
| 6 | Anchor | 15.00 | 2.750 | 5.00 |
| 15 | Recorder Carrier | 1.00 | | 5.00 |
| 7 | Changeover Sub | 2.00 | 3.000 | 5.00 |
| 14 | Packer | 5.35 | 1.530 | 6.75 |
| 14 | Packer | 5.35 | 1.530 | 6.75 |
| 6 | Anchor | 132.00 | 2.750 | 5.00 |
| 16 | Bull Plug | 2.00 | | 5.00 |
| Total Depth | | 4207.10 | | |

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