



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Company High Plains Oil Exploration Test Ticket No. 2933
Company Address P.O. Box 1217, Hays, Kansas 67601 Date 6/26/83
Location: Sec. 18 Twp. 16S Rge. 19W Co. Rush State Kansas
Well Name And Number Beiker #1 Tester Elmer S. Burgardt
Contractor Emphasis Rig No. 7 Co. Rep. Curtis Longpine

Engineering Data

Elevation 2,134 K.B.
Mud Viscosity 40
Mud Weight 9.5
Water Loss 6.4
Type of Mud Starch
Anchor Length 30
Hole Size 7 7/8
Casing Size 8 5/8
Surface Choke 3/4
Bottom Choke 3/4
Drill Pipe Length 2,927 I.D. 3.8 In. _____
Weight Pipe Length _____ I.D. _____ In. _____
Drill Collar Length _____ I.D. _____ In. _____
Top Packer Depth. 3,500
Bottom Packer Depth 3,505
Tool Joint Size 4 1/2 X.H.
Test Tool Size 5 1/2
Packer Size 6 3/4
Reversed Out No
Recorder Type and No. AK-1 11086 Clock Range No. 25111 12 Hr.
Recorder Type and No. AK-1 11085 Clock Range No. 22348 12 Hr.
Extra Equipment _____
Remarks Flushed tool during second open period.
Open Hole Test

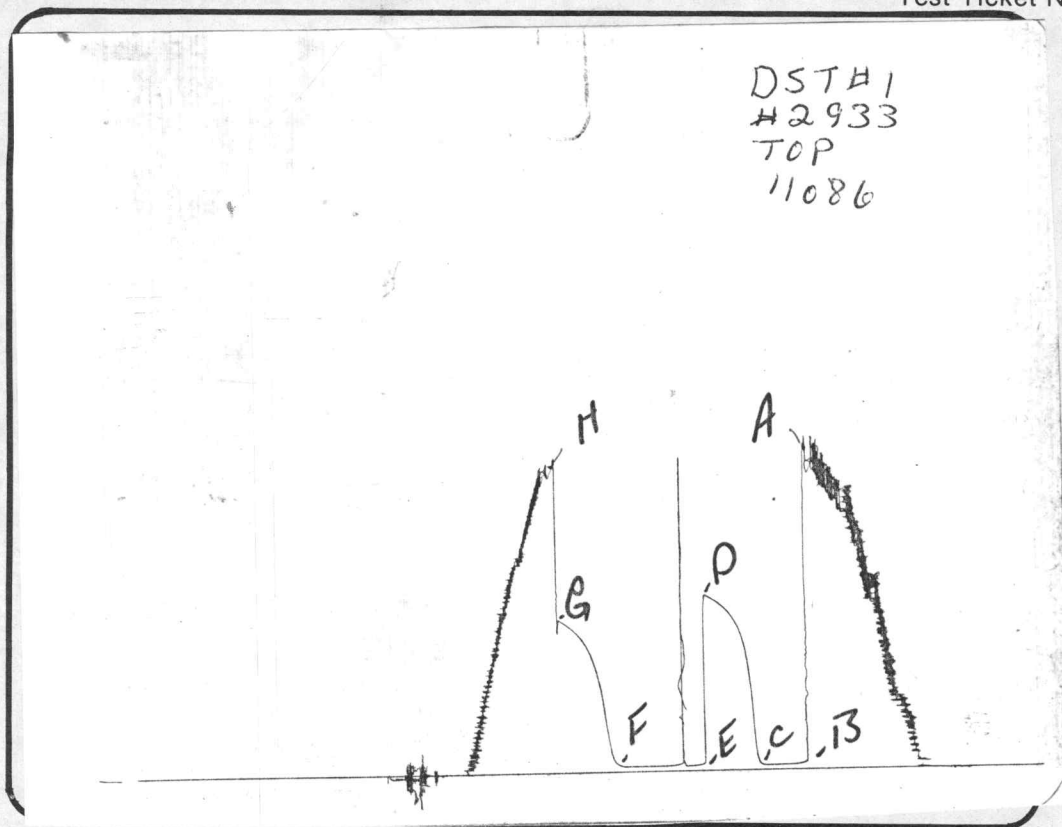
CRUDE OIL TESTING INC.

Date 6/26/83

Test Ticket No. 2933

DST # 1

DST#1
#2933
TOP
11086



Formation

Kansas City Zone Base Type of Test Conventional
Interval 3,505 To 3,535 Total Depth 3,535
Open 30 Shut In 45 Open 60 Shut In 45
Packer(s) Set 12:23A M. Started off Bottom 3:25A M.
Blow 1st Opening Weak steady blow 1/2" in bucket.
2nd Opening No blow (flushed tool) - initial surge only

Recovery

Total Feet 30
Recovered 30 Ft. of Mud
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of

Calculated Recovery

Gas Oil WTR MUD
Gravity (Oil) Corrected To Temp. °F Test Water Chlorides P.P.M.
Test Area Temperature 114 °F Mud System Chlorides 52,000 P.P.M.

PRESSURE

| | Field Reading | Office Reading | |
|----------------------------------|---------------|----------------|-----|
| (A) Initial Hydrostatic Mud | 1,826 | 1,800 | PSI |
| (B) First Initial Flow Pressure | 33 | 28 | PSI |
| (C) First Final Flow Pressure | 33 | 28 | PSI |
| (D) Initial Closed-in Pressure | 998 | 996 | PSI |
| (E) Second Initial Flow Pressure | 33 | 29 | PSI |
| (F) Second Final Flow Pressure | 33 | 29 | PSI |
| (G) Final Closed-in Pressure | 855 | 872 | PSI |
| (H) Final Hydrostatic Mud | 1,804 | 1,744 | PSI |

CRUDE OIL TESTING

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Recorder Location 3,525 Ft. Recorder No. 11086 Test Ticket No. 2933

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of Min.

Final Shut-In
Breakdown: 10 Inc.
of 5 mins. and a
final inc. of Min.

| | Points Minutes | Press. | Points Minutes | Press. | Points Minutes | Press. | Points Minutes | Press. |
|-----|-------------------|--------|-------------------|--------|-------------------|--------|-------------------|--------|
| P01 | 00 | 28 | 00 | 28 | 00 | 29 | 00 | 29 |
| P02 | 05 | 28 | 05 | 42 | 05 | 29 | 05 | 45 |
| P03 | 10 | 28 | 10 | 311 | 10 | 29 | 10 | 142 |
| P04 | 15 | 28 | 15 | 643 | 15 | 29 | 15 | 363 |
| P05 | 20 | 28 | 20 | 792 | 20 | 29 | 20 | 551 |
| P06 | 25 | 28 | 25 | 867 | 25 | 29 | 25 | 676 |
| P07 | 30 | 28 | 30 | 916 | 30 | 29 | 30 | 755 |
| P08 | | | 35 | 952 | 35 | 29 | 35 | 799 |
| P09 | | | 40 | 980 | 40 | 29 | 40 | 835 |
| P10 | | | 45 | 996 | 45 | 29 | 45 | 860 |
| P11 | | | | | 50 | 29 | 50 | 872 |
| P12 | | | | | 55 | 29 | | |
| P13 | | | | | 60 | 29 | | |
| P14 | | | | | | | | |
| P15 | | | | | | | | |
| P16 | | | | | | | | |
| P17 | | | | | | | | |
| P18 | | | | | | | | |
| P19 | | | | | | | | |
| P20 | | | | | | | | |
| P21 | | | | | | | | |
| P22 | | | | | | | | |
| P23 | | | | | | | | |
| P24 | | | | | | | | |
| P25 | | | | | | | | |
| P26 | | | | | | | | |
| P27 | | | | | | | | |
| P28 | | | | | | | | |
| P29 | | | | | | | | |
| P30 | | | | | | | | |
| P31 | | | | | | | | |
| P32 | | | | | | | | |
| P33 | | | | | | | | |
| P34 | | | | | | | | |
| P35 | | | | | | | | |
| P36 | | | | | | | | |
| P37 | | | | | | | | |
| P38 | | | | | | | | |
| P39 | | | | | | | | |
| P40 | | | | | | | | |



TEST REPORT

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Colorado Springs, CO 80901

Company High Plains Oil Exploration Test Ticket No. 2934
Company Address P.O. Box 1217, Hays, Kansas 67601 Date 6/20/83
Location: Sec. 18 Twp. 16S Rge. 19W Co. Rush No. of Charts 5
Well Name And Number Belker #1 State Kansas
Contractor Emphasis Rig No. 7 Tester Elmer S. Burgardt
Co. Rep. Curtis Longpine

Engineering Data

Elevation 2,134 K.B.
Mud Viscosity 43
Mud Weight 9.6
Water Loss 10.4
Type of Mud Starch
Anchor Length 28
Hole Size 7 7/8
Casing Size 8 5/8
Surface Choke 3/4
Bottom Choke 3/4
Drill Pipe Length 3,254 I.D. 3.8 In.
Weight Pipe Length I.D. In.
Drill Collar Length I.D. In.
Top Packer Depth. 3,827
Bottom Packer Depth 3,832
Tool Joint Size 4 1/2 X.H.
Test Tool Size 5 1/2
Packer Size 6 3/4
Reversed Out No
Recorder Type and No. AK-1 11086 Clock Range No. 25111 12 Hr.
Recorder Type and No. AK-1 11085 Clock Range No. 22348 12 Hr.
Extra Equipment
Remarks Flushed tool during second open period.
Open Hole Test

CRUDE OIL TESTING INC.

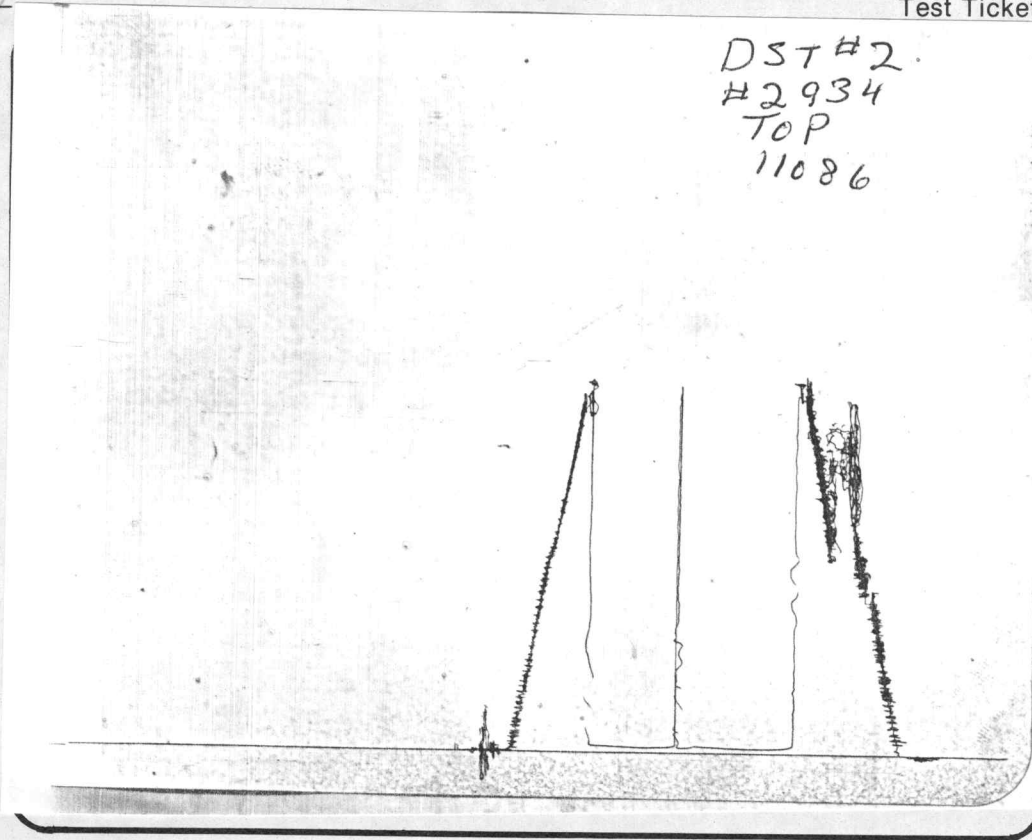
18-165-19W

Date 6/28/83

Test Ticket No. 2934

DST # 2

DST #2
#2934
TOP
11086



Formation

Interval 3,832 Zone _____ Type of Test Conventional
 Open 30 To 3,860 Total Depth 3,860
 Shut In 45 Open 30 Shut In 45
 Packer(s) Set 8:28A M. Started off Bottom 11:00A M.
 Blow 1st Opening Weak blow dead in 8 mins.
 2nd Opening No blow (flushed tool) - initial surge only

Recovery

Total Feet 10
 Recovered 10 Ft. of Rotary mud
 Recovered _____ Ft. of _____
 Recovered _____ Ft. of _____
 Recovered _____ Ft. of _____

Calculated Recovery

Gas _____ Oil _____ WTR _____ MUD _____
 Gravity (Oil) _____ Corrected To Temp. _____ °F Test Water Chlorides _____ P.P.M.
 Test Area Temperature 118 °F Mud System Chlorides 48,000 P.P.M.

PRESSURE

| | Field Reading | Office Reading | PSI |
|----------------------------------|---------------|----------------|-----|
| (A) Initial Hydrostatic Mud | <u>1,989</u> | | |
| (B) First Initial Flow Pressure | <u>33</u> | | |
| (C) First Final Flow Pressure | <u>33</u> | | |
| (D) Initial Closed-in Pressure | <u>44</u> | | |
| (E) Second Initial Flow Pressure | <u>33</u> | | |
| (F) Second Final Flow Pressure | <u>33</u> | | |
| (G) Final Closed-in Pressure | <u>33</u> | | |
| (H) Final Hydrostatic Mud | <u>1,967</u> | | |