



TEST REPORT

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

Test Ticket No. 202
Date 2/20/80
Company A. Scott Ritchie
Company Address Suite #950, 125 N. Market, Wichita No. of Charts 5
Location: Sec. 17 Twp. 6 Rge. 26 Co. Sheridan State Kansas
Well Name And Number Shipley #2 Tester John J. Schmidt
Contractor Murfin Rig No. #16 Co. Rep. Greg Cheney

Formation Toronto Zone _____ Type of Test Conventional

DST# 1
Interval 3,710 To 3,779 Total Depth 3,779
Open 30 Shut IN 30 Open 30 Shut In 30
Packer(s) Set 2:12 P.M. Started off Bottom 4:15 P.M.
Blow Weak Blow Dead in 13 Min.

Recovery
Total Feet 10
Recovered 10 Ft. of Rotary Mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____
Water Chlorides _____

Pressures & Temp.
(Office Reading if Applicable)
Initial Hydrostatic Pressure 1,903 Final Hydrostatic Pressure 1,882
Initial Closed In Pressure 309 Final Closed In Pressure 299
Initial Flow Pressure 64 To 64 Final Flow Pressure 64 To 46
Test Area Temperature 104

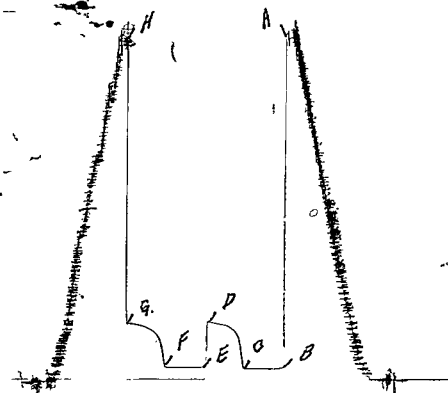
Engineering Date
Elevation 2,660 K.B.
Mud Viscosity 39 Mud Weight 9.0 Water Loss 8.6
Chlorides 1,800 P.P.M. Type of Mud Chemical
Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 69
Drill Pipe Length 2,775 I.D. 3.8 In. Weight Pipe Length 829 I.D. 2.76 In.
Drill Collar Length 113 I.D. 4 1/4 In.
Surface Choke 3/4 Bottom Choke 3/4
Top Packer Depth. 3,705 Bottom Packer Depth. 3,710 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH - 3 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10991 Clock Range 12 Hr. No. 22347
Recorder Type and No. Kuster 10994 Clock Range 12 Hr. No. 22348
Extra Equipment None
Remarks Thank you!

10991

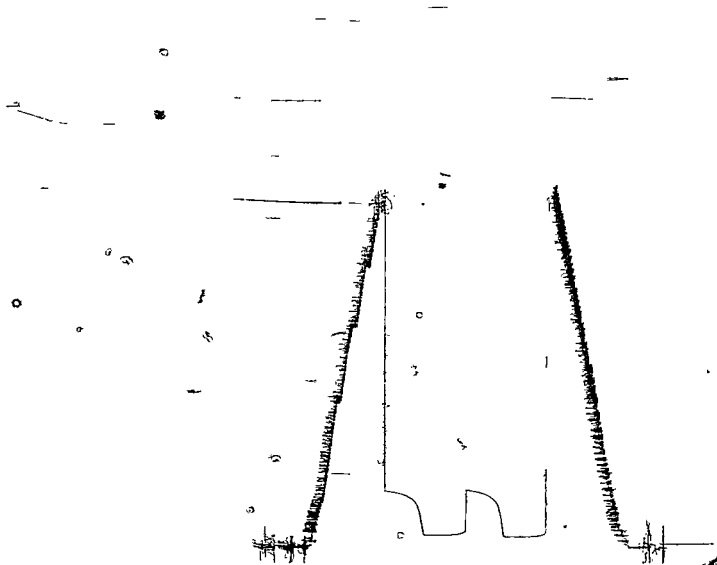
TOP

202

D.S.T. #1



10994
BOTTOM
202
D.S.T. #1



CRUDE OIL TESTING COMPANY

P.O. Box 2260

Colorado Springs, Colorado 80901

(303) 473-6909

Date 2/20/80 (000) 473-5555 Test Ticket No. 202

Recorder No. Kuster AK-1 #10991 Capacity 4,200 P.S.I. Location 3,769 Ft.

Clock No. 22347 Elevation 2,660 K.B. Well Temperature 104 °F

Point	Pressure	Field Time	Time Computed
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A Initial Hydrostatic Mud 1,905 P.S.I. Open Tool 2:15 P M

B First Initial Flow Pressure 55 P.S.I. First Flow Pressure 30 Mins. Mins.

C	Time	Fired	Flam.	Pressure	60	PSI	Initial	Closed in	Pressure	30	Mins	Mins.
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C First Final Flow Pressure		F.S.I.	Initial Closed-in Pressure		
	318		30		

D Initial Closed-in Pressure _____ P.S.I. Second Flow Pressure _____ Mins. _____ Mins.
63 30

E Second Initial Flow Pressure _____ P.S.I. Final Closed-in Pressure _____ Mins. _____ Mins.

F Second Final Flow Pressure 310 P.S.I.

G Final Closed-in Pressure 1,883 P.S.I.

H Final Hydrostatic Mud_____P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 6 Inc.

of 5 mins. and a

final inc. of _____ Min.

Initial Shut-In

Breakdown: 6 Inc.

of 5 mins. and a

final inc. of _____Min.

Second Flow Pressure

Breakdown: 6 Inc.

of 5 mins. and a

final inc. of _____ Min.

Final Shut-In

Breakdown: 6 Inc.

of 5 mins. and 2

final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 00	55	00	60	00	63	00	66
P 2 05	56	05	248	05	63	05	231
P 3 10	57	10	287	10	64	10	271
P 4 15	58	15	301	15	65	15	290
P 5 20	59	20	307	20	65	20	301
P 6 25	59	25	315	25	65	25	307
P 7 30	60	30	318	30	66	30	310
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



TEST REPORT

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

Test Ticket No. 204
Company A. Scott Ritchie Date 2/21/80
Company Address Suite 950, 125 Market, No. of Charts 5
Location: Sec. 17 Twp. 6 Rge. 26 Co. Sheridan State Kansas
Well Name And Number Shipley #2 Tester John J. Schmidt
Contractor Murfin Rig No. #16 Co. Rep. Greg Cheney

Formation Lansing Zone _____ Type of Test Conventional

DST# 2 Interval 3,778 To 3,804 Total Depth 3,804
Open 30 Shut IN 30 Open 30 Shut In 30
Packer(s) Set 1:42 ~~AM~~ Started off Bottom 3:45 ~~AM~~
Blow Weak Blow Dead in 8 Min.

Recovery Total Feet 5
Recovered 5 Ft. of Rotary Mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____
Water Chlorides _____

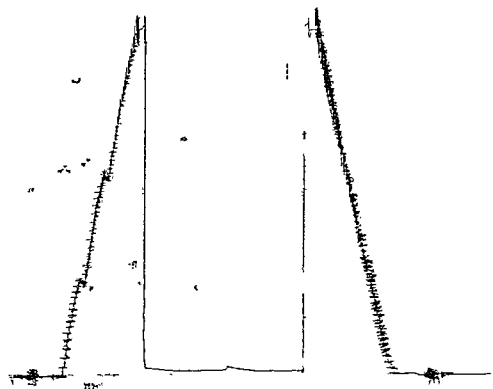
Pressures & Temp. Initial Hydrostatic Pressure 1,924 Final Hydrostatic Pressure 1,903
Initial Closed In Pressure 43 Final Closed In Pressure 32
Initial Flow Pressure 21 To 21 Final Flow Pressure 21 To 21
Test Area Temperature _____
(Office Reading if Applicable)

Engineering Date Elevation 2,660
Mud Viscosity 39 Mud Weight 9.0 Water Loss 8.6
Chlorides 1,800 P.P.M. Type of Mud Chemical
Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 26
Drill Pipe Length 2,806 I.D. 3.8 In. Weight Pipe Length 861 I.D. 2.76 In.
Drill Collar Length 113 I.D. 2 1/4 In.
Surface Choke 3/4 Bottom Choke 3/4
Top Packer Depth. 3,773 Bottom Packer Depth. 3,778 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH-3 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10991 Clock Range 12 Hr. No. 22347
Recorder Type and No. Kuster 10994 Clock Range 12 Hr. No. 22348
Extra Equipment None
Remarks Thank you!



10.991
TOP
204

D.S.T. #2

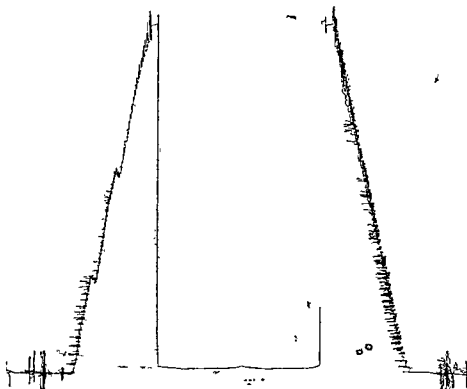


10994

BOTTOM

204

D.S.T. #2





TEST REPORT

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

Test Ticket No. 205
Company A. Scott Ritchie Date 2/21/80
Company Address Suite 950, 125 n. Market, Wichita No. of Charts 5
Location: Sec. 17 Twp. 6 Rge. 26 Co. Sheridan State Kansas
Well Name And Number Shipley #2 Tester John J. Schmidt
Contractor Murfin Rlg No. #16 Co. Rep. Greg Cheney

Formation Lansing Zone _____ Type of Test Conventional

DST# 3 Interval 3,796 To 3,820 Total Depth 3,820
Open 30 Shut IN 30 Open 30 Shut In 30
Packer(s) Set 1:12 P.M. Started off Bottom 3:15 P.M.
Blow Weak Blow Dead in 15 Min.

Recovery Total Feet 10
Recovered 10 Ft. of Rotary Mud Few Specks of Oil
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____
Water Chlorides _____

Pressures & Temp. Initial Hydrostatic Pressure 1,903 Final Hydrostatic Pressure 1,887
Initial Closed In Pressure 181 Final Closed In Pressure 138
Initial Flow Pressure 43 To 43 Final Flow Pressure 43 To 43
Test Area Temperature 104
(Office Reading if Applicable)

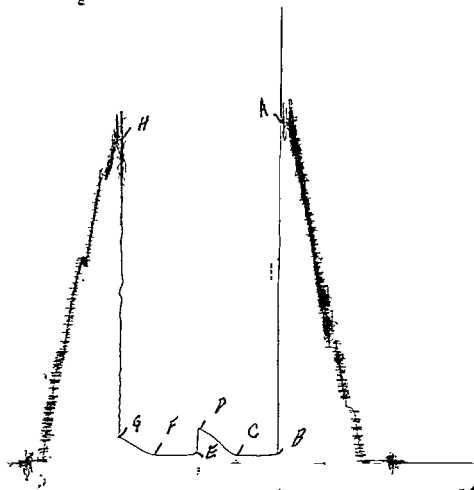
Engineering Date Elevation 2,660 K.B.
Mud Viscosity 40 Mud Weight 9.0 Water Loss 8.8
Chlorides 1,800 P.P.M. Type of Mud Chemical
Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 24
Drill Pipe Length 2,806 I.D. 3.8 In. Weight Pipe Length 861 I.D. 2.76 In.
Drill Collar Length 113 I.D. 2 1/4 In.
Surface Choke 3/4 Bottom Choke 3/4
Top Packer Depth. 3,791 Bottom Packer Depth. 3,796 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH - 3 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10991 Clock Range 12 Hr. No. 22347
Recorder Type and No. Kuster 10994 Clock Range 12 Hr. No. 22348
Extra Equipment None
Remarks Slid Tool 3' To Bottom

10991°

TOP

205

D.S.T. #3



10994
BOTTOM
205
P.S.T. #3

CRUDE OIL TESTING COMPANY

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

Date 2/21/80 Test Ticket No. 205
Recorder No. Kuster AK-1 #10991 Capacity 4,200 P.S.I. Location 3,810 Ft.
Clock No. 22347 Elevation 2,660 K.B. Well Temperature 104 °F
Point Pressure Field Time Time Computed
A Initial Hydrostatic Mud 1,890 P.S.I. Open Tool 1:15 P M
B First Initial Flow Pressure 38 P.S.I. First Flow Pressure 30 Mins. Mins.
C First Final Flow Pressure 42 P.S.I. Initial Closed-in Pressure 30 Mins. Mins.
D Initial Closed-in Pressure 189 P.S.I. Second Flow Pressure 30 Mins. Mins.
E Second Initial Flow Pressure 42 P.S.I. Final Closed-in Pressure 30 Mins. Mins.
F Second Final Flow Pressure 44 P.S.I.
G Final Closed-in Pressure 140 P.S.I.
H Final Hydrostatic Mud 1,857 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.	
of <u>5</u> mins. and a		of <u>5</u> mins. and a		of <u>5</u> mins. and a		of <u>5</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 00	38	00	42	00	42	00	44
P 2 05	39	05	58	05	42	05	52
P 3 10	39	10	89	10	42	10	66
P 4 15	40	15	125	15	43	15	90
P 5 20	40	20	155	20	43	20	111
P 6 25	42	25	176	25	44	25	134
P 7 30	42	30	189	30	44	30	140
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



TEST REPORT

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Colorado Springs, CO 80901

Company A. Scott Ritchie Test Ticket No. 206
Date 2/21/80
Company Address Suite 950, 125 N. Market, Wichita No. of Charts 5
Location: Sec. 17 Twp. 6 Rge. 26 Co. Sheridan State Kansas
Well Name And Number Shipley #2 Tester John J. Schmidt
Contractor Murfin Rig No. #16 Co. Rep. Greg Cheney

Formation Lansing Zone _____ Type of Test Conventional

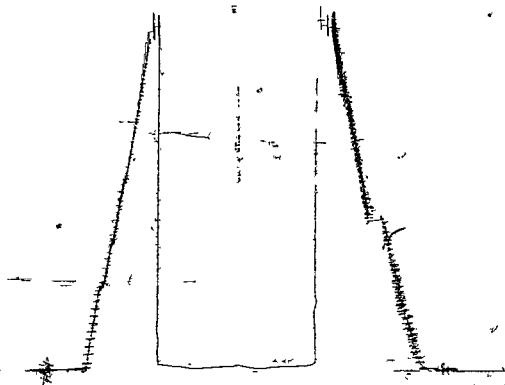
DST# 4 Interval 3,817 To 3,836 Total Depth 3,836
Open 30 Shut IN 30 Open 30 Shut In 30
Packer(s) Set 11:42 P.M. Started off Bottom 1:45 A.M.
Blow Weak Blow Dead in 10 Min.

Recovery Total Feet 02
Recovered 02 Ft. of Rotary Mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____
Water Chlorides _____

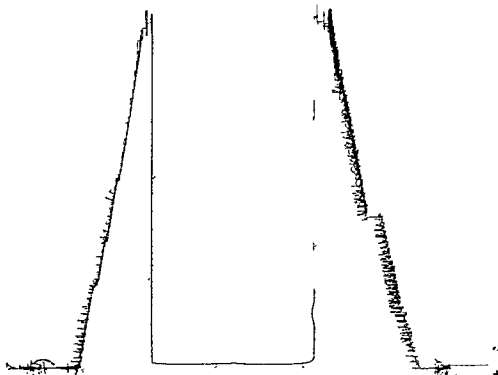
Pressures & Temp. Initial Hydrostatic Pressure 1,935 Final Hydrostatic Pressure 1,914
Initial Closed In Pressure 32 Final Closed In Pressure 32
Initial Flow Pressure 32 To 32 Final Flow Pressure 32 To 32
Test Area Temperature 105
(Office Reading if Applicable)

Engineering Date Elevation 2,660 K.B.
Mud Viscosity 40 Mud Weight 9.0 Water Loss 8.8
Chlorides 1,800 P.P.M. Type of Mud Chemical
Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 19
Drill Pipe Length 2,837 I.D. 3.8 In. Weight Pipe Length 861 I.D. 2.76 In.
Drill Collar Length 113 I.D. 2 1/4 In.
Surface Choke 3/4 Bottom Choke 3/4
Top Packer Depth. 3,812 Bottom Packer Depth. 3,817 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH-3 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10991 Clock Range 12 Hr. No. 22347
Recorder Type and No. Kuster 10994 Clock Range 12 Hr. No. 22348
Extra Equipment None
Remarks Thank you

10991
TOP
206
D.S.T. #4



10994
BOTTOM
1/206
D.S.T.#4





TEST REPORT

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

Test Ticket No. 207
Company A. Scott Ritchie Date 2/22/80
Company Address Suite 950, 125 N. Market, Wichita No. of Charts 5
Location: Sec. 17 Twp. 6 Rge. 26 Co. Sheridan State Kansas
Well Name And Number Shipley #2 Tester John J. Schmidt
Contractor Murfin Rig No. #16 Co. Rep. Greg Cheney

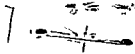
Formation Lansing Zone _____ Type of Test Conventional

DST# 5 Interval 3,839 To 3,900 Total Depth 3,900
Open 30 Shut IN 30 Open 30 Shut In 30
Packer(s) Set 2:27 P.M. Started off Bottom 4:30 P.M.
Blow Weak Blow Dead in 10 Min.

Recovery Total Feet 10
Recovered 10 Ft. of Rotary Mud Few Specks of Oil
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____
Water Chlorides _____

Pressures & Temp. (Office Reading if Applicable)
Initial Hydrostatic Pressure 1,966 Final Hydrostatic Pressure 1,945
Initial Closed In Pressure 309 Final Closed In Pressure 287
Initial Flow Pressure 53 To 53 Final Flow Pressure 53 To 53
Test Area Temperature 105

Engineering Date
Elevation 2,660 K.B.
Mud Viscosity 40 Mud Weight 9.2 Water Loss 8.9
Chlorides 2,000 P.P.M. Type of Mud Chemical
Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 61
Drill Pipe Length 2,901 I.D. 3.8 In. Weight Pipe Length 829 I.D. 2.76 In.
Drill Collar Length 113 I.D. 2 1/4 In.
Surface Choke 3/4 Bottom Choke 3/4
Top Packer Depth. 3,834 Bottom Packer Depth. 3,839 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH-3 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10991 Clock Range 12 Hr. No. 22347
Recorder Type and No. Kuster 10994 Clock Range 12 Hr. No. 22348
Extra Equipment None
Remarks Thank you

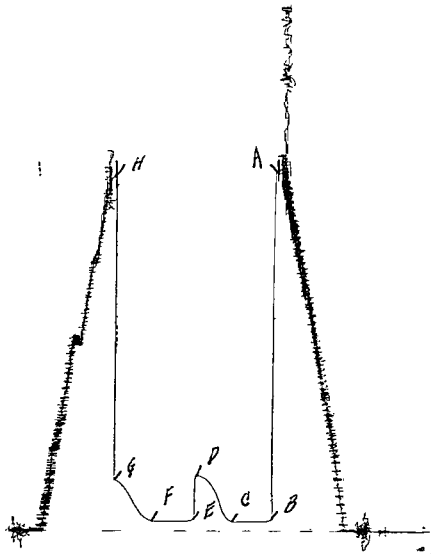


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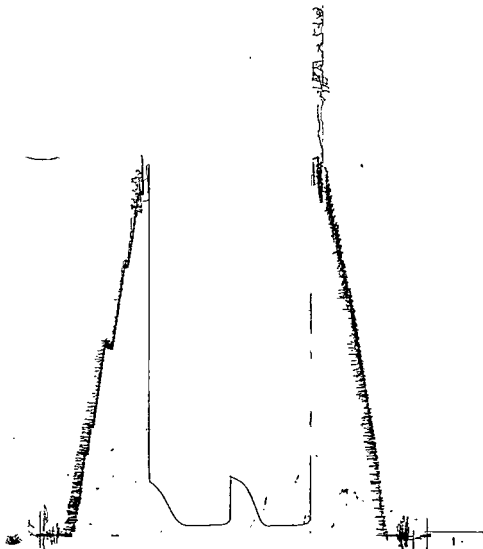
TOP

207

D.S.T. #5



10944
BOTTOM
207
D.S.T. #5

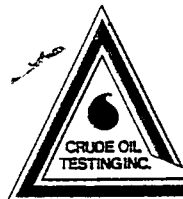


P.O. Box 2260
Colorado Springs, Colorado 80901
(303) 473-6909

Point	Pressure		Field Time	Time Computed
A Initial Hydrostatic Mud	1,971	P.S.I.	2:30	P M
B First Initial Flow Pressure	49	P.S.I.	30	Mins. Mins.
C First Final Flow Pressure	53	P.S.I.	30	Mins. Mins.
D Initial Closed-in Pressure	315	P.S.I.	30	Mins. Mins.
E Second Initial Flow Pressure	53	P.S.I.	30	Mins. Mins.
F Second Final Flow Pressure	54	P.S.I.		
G Final Closed-in Pressure	285	P.S.I.		
H Final Hydrostatic Mud	1,948	P.S.I.		

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>6</u> Inc.	Breakdown: <u>6</u> Inc.	Breakdown: <u>6</u> Inc.	Breakdown: <u>6</u> Inc.
of <u>5</u> mins. and a	of <u>5</u> mins. and a	of <u>5</u> mins. and a	of <u>5</u> mins. and a
final inc. of <u> </u> Min.	final inc. of <u> </u> Min.	final inc. of <u> </u> Min.	final inc. of <u> </u> Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 00	49	00	53	00	53	00	54
P 2 05	49	05	93	05	53	05	68
P 3 10	51	10	191	10	53	10	97
P 4 15	52	15	263	15	54	15	161
P 5 20	53	20	298	20	54	20	225
P 6 25	53	25	313	25	54	25	269
P 7 30	53	30	315	30	54	30	285
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



TEST REPORT

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

Test Ticket No. 208
Company A. Scott Ritchie Date 2/23/80
Company Address Suite 950, 125 N. Market, Wichita, No. of Charts 5
Location: Sec. 17 Twp. 6 Rge. 26 Co. Sheridan State Kansas
Well Name And Number Shipley #2 Tester John J. Schmidt
Contractor Murfin Rig No. #16 Co. Rep. Greg Cheney

Formation Lansing Zone _____ Type of Test Conventional

DST# 6 Interval 3,896 To 3,955 Total Depth 3,955
Open 30 Shut IN 30 Open 30 Shut In 30
Packer(s) Set 4:57 ~~AM~~ Started off Bottom 7:00 ~~AM~~
Blow Weak Blow Dead in 15 Min.

Recovery Total Feet 10
Recovered 10 Ft. of Rotary Mud Scum of Oil On Top
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____
Water Chlorides _____

Pressures & Temp. (Office Reading if Applicable)
Initial Hydrostatic Pressure 2,008 Final Hydrostatic Pressure 1,987
Initial Closed In Pressure 938 Final Closed In Pressure 810
Initial Flow Pressure 32 To 32 Final Flow Pressure 43 To 43
Test Area Temperature 109

Engineering
Date

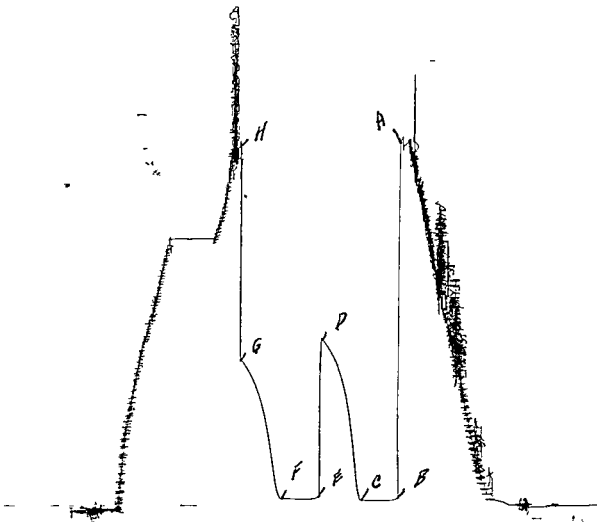
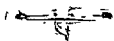
Elevation 2,660 K.B.
Mud Viscosity 40 Mud Weight 9.2 Water Loss 8.9
Chlorides 2,000 P.P.M. Type of Mud Chemical
Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 59
Drill Pipe Length 2,961 I.D. 3.8 In. Weight Pipe Length 829 I.D. 2.76 In.
Drill Collar Length 113 I.D. 2 1/4 In.
Surface Choke 3/4 Bottom Choke 3/4
Top Packer Depth. 3,891 Bottom Packer Depth. 3,896 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH-3 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10991 Clock Range 12 Hr. No. 22347
Recorder Type and No. Kuster 10994 Clock Range 12 Hr. No. 22348
Extra Equipment None
Remarks Thank you

10991

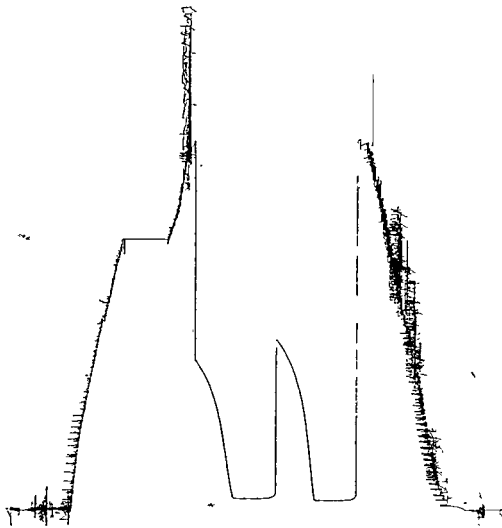
TOP

208

D.S.T. #6



10994
BOTTOM
208
D.S.T. #6



CRUDE OIL TESTING COMPANY

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

Date 2/23/80 Test Ticket No 208
Recorder No Kuster AK-1 #10991 Capacity 4,200 P.S.I. Location 3,945 Ft.
Clock No 22347 Elevation 2,660 K.B. Well Temperature 109 °F

Point	Pressure	Open Tool	Field Time	Time Computed
A Initial Hydrostatic Mud	<u>1,983</u> P.S.I.		<u>5:00</u> A.M.	
B First Initial Flow Pressure	<u>26</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	
C First Final Flow Pressure	<u>29</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	
D Initial Closed-in Pressure	<u>924</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	
E Second Initial Flow Pressure	<u>34</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	
F Second Final Flow Pressure	<u>36</u> P.S.I.			
G Final Closed-in Pressure	<u>802</u> P.S.I.			
H Final Hydrostatic Mud	<u>1,969</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.	
of <u>5</u> mins. and a		of <u>5</u> mins. and a		of <u>5</u> mins. and a		of <u>5</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 00	26	00	29	00	34	00	36
P 2 05	26	05	485	05	34	05	273
P 3 10	27	10	686	10	35	10	508
P 4 15	27	15	792	15	35	15	533
P 5 20	28	20	862	20	35	20	724
P 6 25	29	25	916	25	36	25	784
P 7 30	29	30	924	30	36	30	802
P 8							
P 9							
P 10							
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							