

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21098.D160

15-195-22302

NWSWSE NW

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Company Grand Mesa Operating Company Lease & Well No. Eunice No. 1-28
Elevation 2246KB Formation Cherokee/Conglomerate Effective Pay -- Ft. Ticket No. 2049
Date 8-24-05 Sec. 28 Twp. 15S Range 22W County Trego State Kansas
Test Approved By Wesley Hansen Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,128 ft. to 4,227 ft. Total Depth 4,227 ft.
Packer Depth 4,123 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,128 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,109 ft. Recorder Number 21098 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,224 ft. Recorder Number 13387 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Mallard JV, Inc. Drill Collar Length 244 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.05 Water Loss 10.0 cc. Drill Pipe Length 3,851 ft. I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number No. 1 Anchor Length 37' perf. w/ 62' drill pipe Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 1 1/2 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 2 mins. No blow back during shut-in.

Recovered 143 ft. of watery mud = 2.030600 bbls. (Grind out: 16%-water; 84%-mud)

Recovered 372 ft. of watery mud = 5.282400 bbls. (Grind out: 40%-water; 60%-mud)

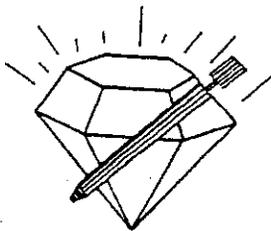
Recovered 802 ft. of salt water = 9.124080 bbls. (Grind out: 100%-water)

Recovered 1,317 ft. of TOTAL FLUID = 16.437080 bbls.

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-salt water

Time Set Packer(s)	XXV. P.M.	Time Started Off Bottom	XXV. P.M.	Maximum Temperature
<u>9:26</u>		<u>10:11</u>		<u>129°</u>
Initial Hydrostatic Pressure	(A)	<u>1931</u>	P.S.I.	
Initial Flow Period	Minutes	<u>10</u>	(B) <u>138</u>	P.S.I. to (C) <u>410</u> P.S.I.
Initial Closed In Period	Minutes	<u>25</u>	(D) <u>1265</u>	P.S.I.
Final Flow Period	Minutes	<u>10</u>	(E) <u>444</u>	P.S.I. to (F) <u>656</u> P.S.I.
Final Closed In Period	Minutes	<u>--</u>	(G) <u>--</u>	P.S.I.
Final Hydrostatic Pressure	(H)	<u>1931</u>	P.S.I.	



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FLUID SAMPLE DATA

Company Grand Mesa Operating Company
Lease & Well No. Eunice No. 1-28
Date 8-24-05 Sec. 28 Twp. 15 S Range 22 W
Formation Test No. 1 Interval Tested From 4,128 ft. to 4,227 ft. Total Depth 4,227 ft.
Formation Cherokee/Conglomerate

	MUD PIT	RECOVERY	RECOVERY
Viscosity	<u>49</u> CP	<u>--</u> CP	
Weight	<u>9.05</u>	<u>--</u>	
Water Loss	<u>10.0</u> CC	<u>--</u> CC	
PH Factor	<u>11.0</u>	<u>--</u>	Water <u>7.0</u>

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>.30</u> @ <u>74</u> °F.	<u>22,000</u> ppm
Recovery Mud	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud Filtrate	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Mud Pit Sample	<u>.78</u> @ <u>76</u> °F.	<u>7,800</u> ppm
Mud Pit Sample Filtrate	<u>.82</u> @ <u>80</u> °F.	<u>6,500</u> ppm

Sample Taken By ROGER D. FRIEDLY

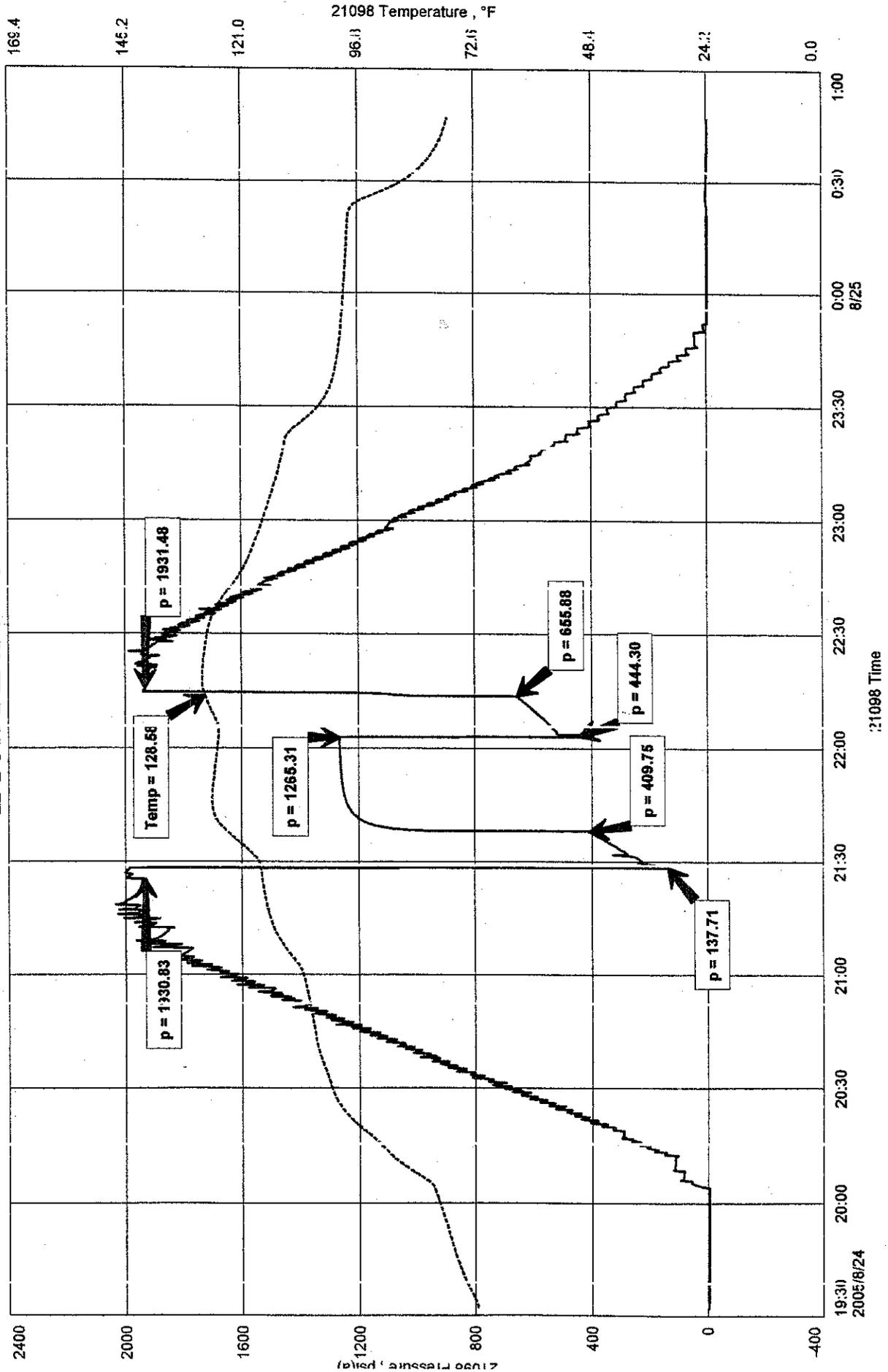
Witness By WESLEY HANSEN

Remarks Pit filtrate triton dish chlorides were 5,000 Ppm
Recovery water dish chlorides were 18,000 Ppm

RAND MESA OPERATING COMPANY
 ST #1 CHERO / CONGL. 4,128' - 4,227'
 Start Test Date: 2005/08/24
 End Test Date: 2005/08/25

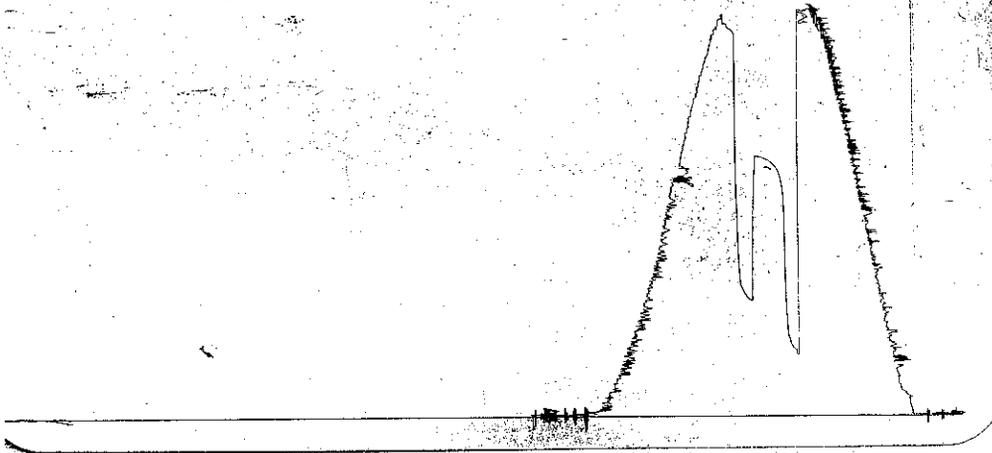
EUNICE #1-28

EUNICE #1-28
 Formation: DST #1 CHERO. / CONGL. 4,128' - 4,227'
 Pool: WILDCAT



DST #1 Outside 13387
 Chero/Congs

4128-4227
 LbL 4224



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1931	1931		PSI
(B) First Initial Flow Pressure	138	138		PSI
(C) First Final Flow Pressure	410	410		PSI
(D) Initial Closed-in Pressure	1265	1265		PSI
(E) Second Initial Flow Pressure	444	444		PSI
(F) Second Final Flow Pressure	656	656		PSI
(G) Final Closed-in Pressure	77	77		PSI
(H) Final Hydrostatic Mud	1931	1931		PSI