



00296520

Test-A-Log Co.

Contractor **New Orbit Drlg.**
 Rig No. **3**
 Spot **NW/SE**
 Sec **8**
 Twp. **11 N**
 Rng. **59 W**
 Field **--**
 County **Weld**
 State **Colorado**
 Elevation **5373'KB 5362'GL**
 Formation **"J" Sand**

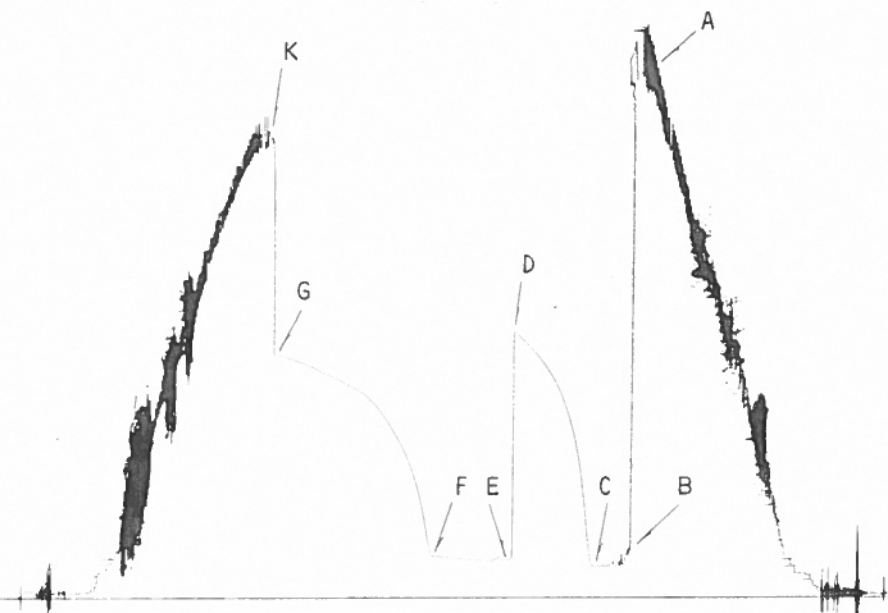
Surface Choke **1/4"**
 Bottom Choke **5/8"**
 Hole Size **7 7/8"**
 Core Hole Size **None**
 DP Size & Wt. **4 1/2" 16.60**
 Wt. Pipe **None**
 I.D. of DC **2 1/4"**
 Length of DC **528'**
 Total Depth **7474'**
 Type Test **Straddle**
 Interval **7376'- 7412'**

Mud Type **Polymer/Gel**
 Weight **9.6**
 Viscosity **76**
 Water Loss **6.8**
 Filter Cake **2/32**
 Resistivity **4.0 @ 85 °F**
1,117 Ppm. NaCl
 B.H.T. **198 °F**
 Co. Rep. **Don Norevil**
 Tester **Roger Seeman**

	REPORTED	CORRECTED
Opened Tool @	18:00	hrs.
Flow No. 1	30	30 min.
Shut-In No. 1	60	58 min.
Flow No. 2	60	60 min.
Shut-In No. 2	120	120 min.
Flow No. 3	None Taken	min.
Shut-In No. 3	" "	min.

Recorder Type **Kuster AK-1**
 No. **13462** Cap. **5625** psi
 Depth **7396** feet
 Inside **x** Clock
 Outside Range **12** hrs.

Initial Hydrostatic	A	3841.7
Final Hydrostatic	K	3416.1
Initial Flow	B	328.0
Final Initial Flow	C	199.6
Initial Shut-In	D	1901.1
Second Initial Flow	E	249.5
Second Final Flow	F	268.8
Second Shut-In	G	1739.1
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	



Pipe Recovery:

Slight gas odor 200' above fluid
 450' Total fluid = 2.20 bbl., consisting of:
 270' Very slightly oil & gas cut mud = 1.32 bbl.
 180' Very slightly oil & gas cut muddy water = 0.88 bbl.

Resistivity:

Top: 3.5 @ 80 Deg F/1.48 @ Res Temp/1,364 ppm NaCl., 829 ppm Cl.
 Middle: 1.4 @ 80 Deg F/0.59 @ Res Temp/3,578 ppm NaCl., 2,175 ppm Cl.
 Bottom: 1.4 @ 80 Deg F/0.59 @ Res Temp/3,578 ppm NaCl., 2,175 ppm Cl.

1st Flow: Tool opened with a weak blow, slowly increased to 3.0 oz (5") at end of flow period.

2nd Flow: Tool opened with a weak blow, slowly increased to 1 1/2" in 20 minutes, then increased steadily to 5" and remained thru flow period.

Operator
 Ticket No.
 Date

2209
 6/12/91
 MEDALLION PETROLEUM, INC.

Well Name & No.
 Location
 County, State

HARMS #8-2
 S-8 T-11N R-59W
 WELD COUNTY, CO

DST No.
 Interval
 Formation

1
 7376' - 7412'
 "J" SAND



Test-A-Log Co.

P. O. Box 555
Kimball, Nebraska 69145

Roger Seeman

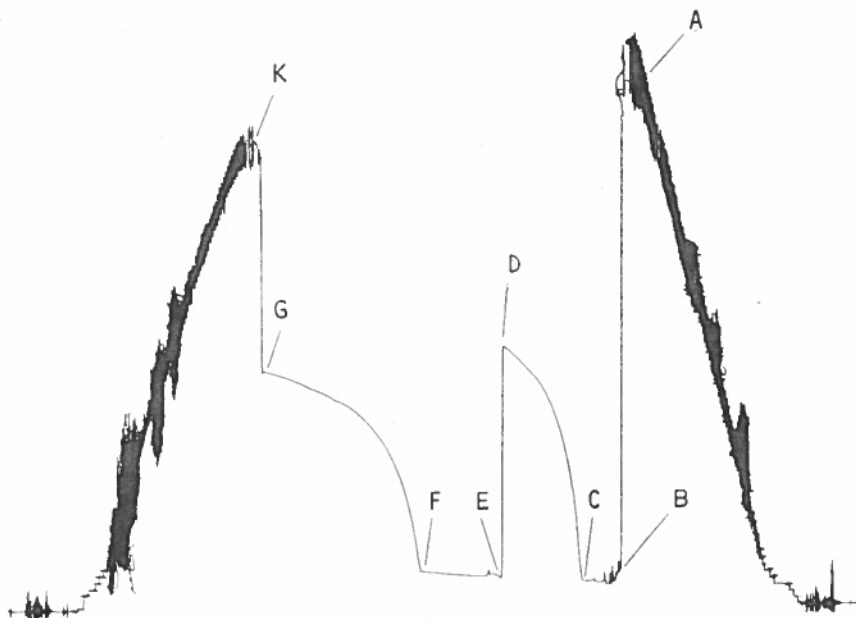
Medallion Petroleum, Inc.
Operator

Harms #8-2
Well Name and No.

1
DST No.

Recorder Type Kuster AK-1
No. 13407 Cap. 5600 psi
Depth 7392 feet
Inside x Clock
Outside Range 12 hrs.

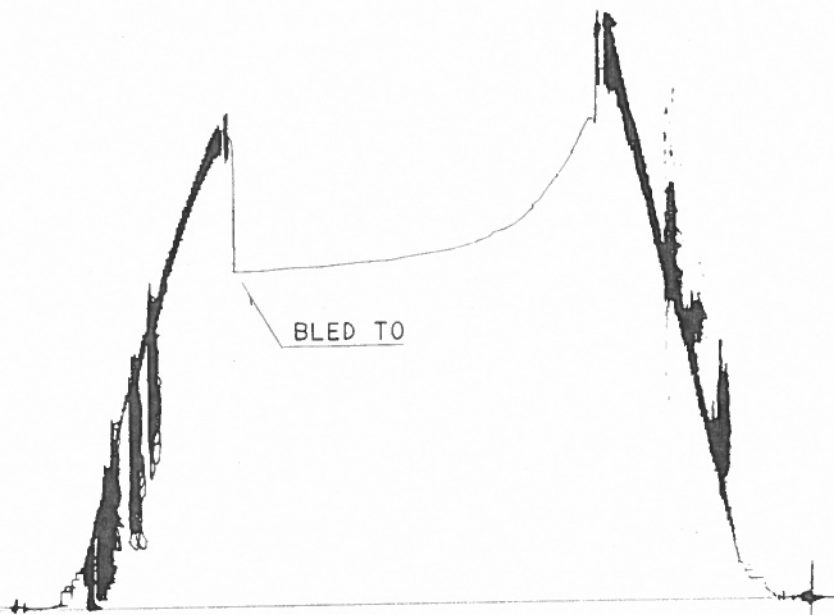
Initial Hydrostatic	A	<u>3836.4</u>
Final Hydrostatic	K	<u>3426.4</u>
Initial Flow	B	<u>276.2</u>
Final Initial Flow	C	<u>194.6</u>
Initial Shut-In	D	<u>1907.3</u>
Second Initial Flow	E	<u>226.7</u>
Second Final Flow	F	<u>273.7</u>
Second Shut-In	G	<u>1740.8</u>
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	



Recorder Type Kuster AK-1
No. 13460 Cap. 5550 ps
Depth 7401 feet
Inside Clock
Outside x Range 12 hrs.

Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-In	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-In	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	

Bled to: 2434.1





Test-A-Log Co.

P. O. Box 555
Kimball, Nebraska 69145

Roger Seeman

Sampler Report

Company Medallion Petroleum, Inc. Date 6/12/91
Well Name & No. Harms #8-2 Ticket No. 2209
County Weld State Colorado
Test Interval 7376' - 7412' DST No. 1

Total Volume of Sampler: 2000 cc.
Total Volume of Sample: 1800 cc.
Pressure in Sampler: 80 psig
Oil: Trace cc.
Water: 1800 (muddy water) cc.
Mud: -- cc.
Gas: Trace cu. ft.
Other: None

Sample RW: 1.4 @ 80 Deg F/0.59 @ Res Temp/3,578 ppm NaCl., 2,175 ppm Cl.

Resistivity

Make Up Water Fresh @ _____ of Chloride Content _____ ppm.

Mud Pit Sample 4.0 @ 85 of Chloride Content 1,117 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On Location.

Remarks: _____



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Roger Seeman

Medallion Petroleum, Inc.

Operator

Harms #8-2

Well Name and No.

1

DST No.

RECORDER NO. 13462 DEPTH 7396 FT.

INITIAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(P SIG)</u>
0	328.0
3	264.0
6	219.2
9	202.7
12	217.6
15	204.1
20	199.8
25	194.6
30	199.6

RECORDER NO. 13462 DEPTH 7396 FT.

FINAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(P SIG)</u>
0	249.5
3	245.5
6	244.9
9	264.5
12	245.0
15	236.1
20	236.5
25	239.8
30	243.5
35	246.5
40	251.2
45	256.0
50	262.0
55	266.0
60	268.8



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Operator

Harms #8-2

Well Name and No.

1

DST No.

RECORDER NO. 13462 DEPTH 7396 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 30 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)
0		199.6	0.0
1	1.491	258.2	58.6
2	1.204	316.4	116.8
3	1.041	392.5	192.9
4	0.929	521.7	322.0
5	0.845	624.9	425.3
6	0.778	719.3	519.7
7	0.723	813.6	613.9
8	0.677	894.7	695.1
9	0.637	960.3	760.6
10	0.602	1021.9	822.2
12	0.544	1115.4	915.7
14	0.497	1200.6	1001.0
16	0.459	1275.1	1075.4
18	0.426	1336.3	1136.7
20	0.398	1388.5	1188.8
22	0.374	1444.3	1244.6
24	0.352	1486.6	1287.0
26	0.333	1529.5	1329.9
28	0.316	1560.6	1361.0
30	0.301	1595.2	1395.6
35	0.269	1666.2	1466.6
40	0.243	1730.0	1530.4
45	0.222	1783.8	1584.1
50	0.204	1832.9	1633.2
55	0.189	1879.8	1680.1
58	0.181	1901.1	1701.5

EXTRAPOLATED PRESSURE: 2427.1 PSI
SLOPE: 2902.9 PSI/LOG CYCLE
POINTS USED: 4



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Harms #8-2

Operator

Well Name and No.

1

DST No.

RECORDER NO. 13462 DEPTH 7396 FT.

FINAL SHUT-IN

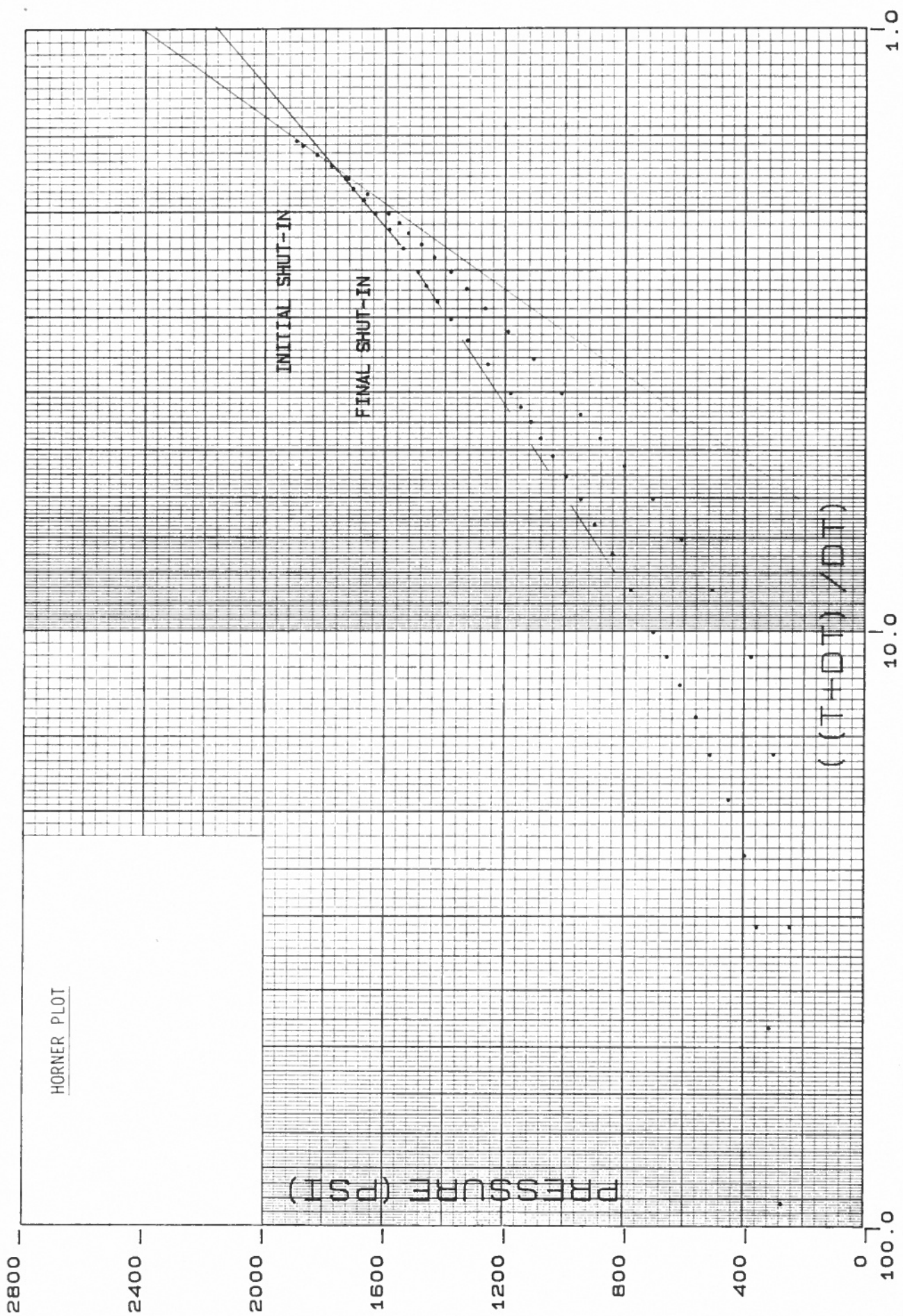
TOTAL FLOW TIME: T = 90 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)
0		268.8	0.0
1	1.959	284.3	15.5
2	1.663	326.2	57.4
3	1.491	369.0	100.2
4	1.371	410.2	141.5
5	1.279	464.7	195.9
6	1.204	526.7	257.9
7	1.142	574.0	305.2
8	1.088	626.9	358.1
9	1.041	670.8	402.0
10	1.000	716.2	447.4
12	0.929	791.3	522.5
14	0.871	851.7	582.9
16	0.821	911.9	643.1
18	0.778	958.0	689.2
20	0.740	1008.4	739.6
22	0.707	1051.5	782.7
24	0.677	1092.1	823.3
26	0.649	1124.2	855.4
28	0.625	1157.8	889.0
30	0.602	1191.6	922.8
35	0.553	1266.8	998.0
40	0.512	1333.1	1064.4
45	0.477	1388.7	1119.9
50	0.447	1434.6	1165.8
55	0.421	1471.6	1202.8
60	0.398	1498.1	1229.4
70	0.359	1547.5	1278.8
80	0.327	1592.3	1323.5
90	0.301	1639.2	1370.4
100	0.279	1678.9	1410.2
110	0.260	1711.8	1443.0
120	0.243	1739.1	1470.3

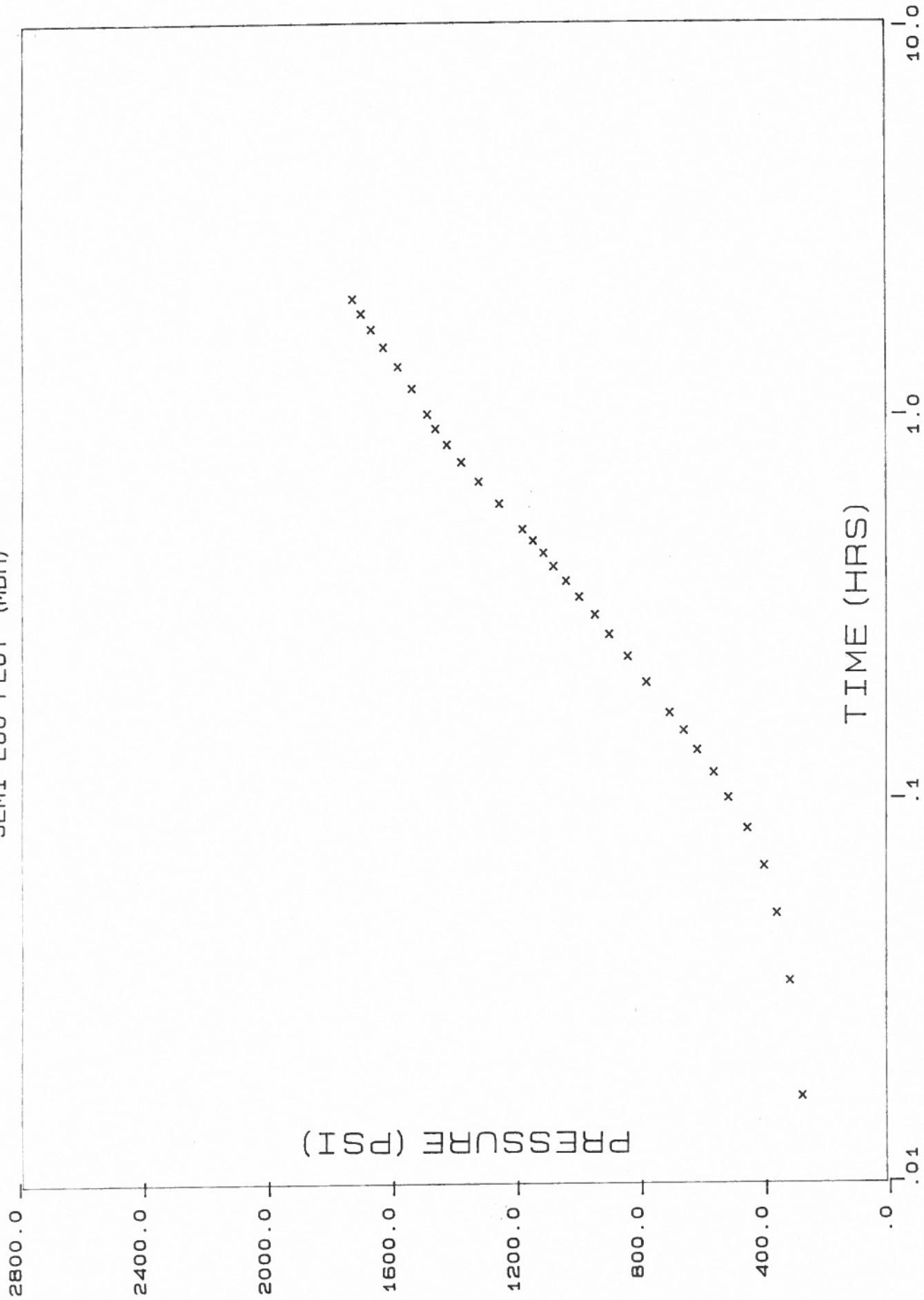
EXTRAPOLATED PRESSURE: 2164.3 PSI

SLOPE: 1745.1 PSI/LOG CYCLE

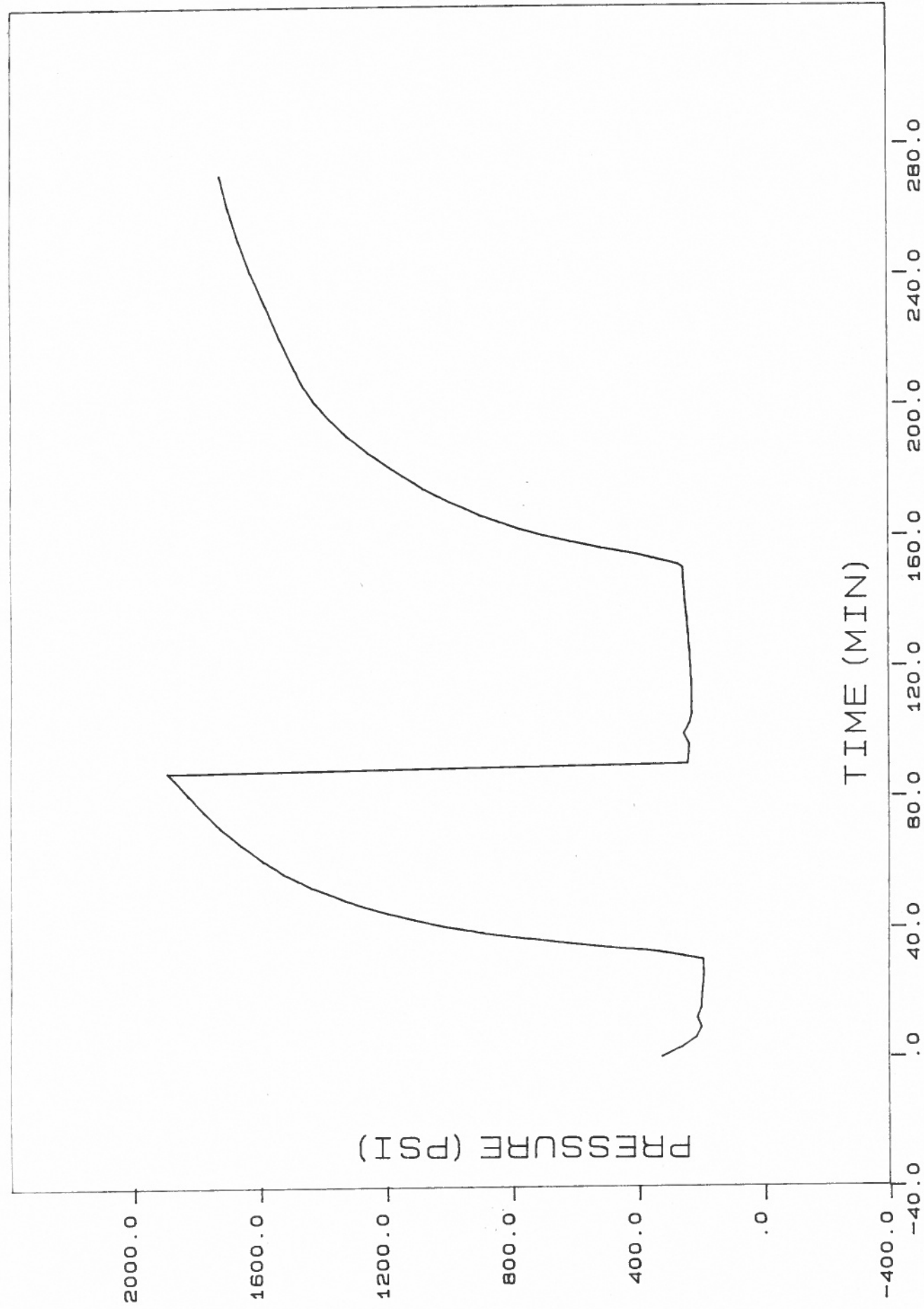
POINTS USED: 5

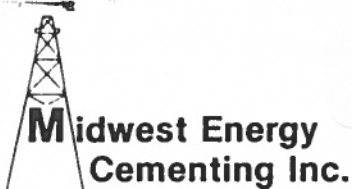


SEMI-LOG PLOT (MDH)



GAUGE NO. 13462 @ 7396 FT.





P. O. Box 692
Gering, NE 69341
308-436-2141



RECEIVED

JUN 24 1991

INVOICE NO. 296

INVOICE DATE 06-14-1991

MEDALLION PETROLEUM

Medallion Company
2000 Mid-Continent Tower
401- S. Boston
Tulsa, Oklahoma 74103

CEMENTING SERVICES AS RECORDED ON ATTACHED FIELD TICKET NO. 3078
RIG NO. 3

OPERATOR: MEDALLION OIL
LEASE: HARMS 8-2
COUNTY & STATE: WELD CO. ACCOUNT 3302000 PROP. # 28114
DATE DONE: 6-13-91
FOOTAGE: 7300
SAX: 120
VENDOR CODE WT 2877 DUE DATE 081591
STAT 2 CODE 08 TYPED 1 TLR AC S 1
DESCRIPTION Harms #2
Cement Cementing Serv.

PUMP BASE CHARGE	2824.28	890.00
120 SAX AT \$ 6.88		825.60
CALCIUM 0 SAX AT \$30.00		0.00
30 POUNDS OF FLOCELE AT \$1.28		38.40
ADDITIONAL FOOTAGE 4300 AT \$0.23		989.00
HANDLING CHARGE 120 AT \$.99/SACK		118.80
HAULING CHARGE 5.7 TONS AT 53 MILES AT \$.70		211.47
PUMP TRUCK MILEAGE 53 AT \$2.05		108.65
DOWN HOLE EQUIPMENT		0.00
SALES TAX 0 PERCENT		0.00

RECEIVED

JUL 22 1991

TOTAL IN DOLLARS 2881.92

DISCOUNT OF 2 % OR \$ 57.64 IF PAID **GOLO.OIL & GAS CONS.COMM.** 57.64

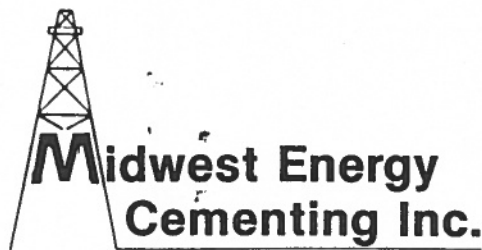
TOTAL WITH DISCOUNT 2824.28

PLEASE INCLUDE INVOICE NUMBER WITH PAYMENT.

NOTE: MIDWEST ENERGY CEMENTING INC., is responsible for the collection and payment of all applicable state sales and use taxes for all materials listed on this invoice

MIDWEST assumes all responsibility and holds the drilling contractor in no way liable for payment for any materials used on this invoice

Harms #2 - 8
AC
4
7/8



P.O. Box 692
Gering, Nebraska 69341
308-436-2141

Bill To: <i>Medallion</i> 918/585-2558		Operator	
Invoice to: 8000 MID-CONTINENT TOWER		Location: <i>Holmes</i>	No. <i>8-2</i>
City: 401 S. Boston TULSA		Field	County: <i>Weld</i>
State: <i>OK</i> Zip: 74103		State: <i>Colo</i>	
Job Type: Surface <input checked="" type="checkbox"/> Plug <input type="checkbox"/> Production		Pump Truck (Base Charge)	
Cement: 120 sax	Pozzolan: sax	120 sax @ 6.88	590.00
Additives: CaCl ₂ %	Gel %	CaCl ₂ @	825.6
Other		Gel @	
Flocele		Flocele: 30 lbs @ 1.28	38.4
Footage: Total Depth @		Additional pump charge 4300' @ .23	989.0
Pipe Landed @		Handling charge 120 cu. ft. @ .99	118.80
Cementing Instructions: 35 Day Plug 1200'		Hauling charge @ ton/mile 5.7 tons @	
40 Day Plug 1050'		in 1/2 out 53 miles @ .70	211.40
35 Day Plug 410' ←		Pump truck mileage 53 @ 2.05	1086.00
Down hole equipment: 10 Day Plug top	Price	Time: on location @	
		off location @	
		Plug Down @	
		Down hole equipment charge	
		Misc. charges and materials	
Wyo./mi.	Colo./mi.	Nebr./mi.	
Time	A.M./P.M.		
Date: 6-13-91			
Mileage: Pump Truck 35.40	Bulk Truck 4.00	State Tax at %	
Truck Nos. 1 & 2			Total 2881.90

RECEIVED

22 1991

Delivered by *Don & Randy* OIL & GAS CONS. COMM.

Don Norviel
(Agent of Owner or Contractor)

We assume no responsibility for damages as a result of our operations.

All Pricing Subject To Review

Midwest Energy Cementing Inc. is responsible for the payment of state use tax on all materials on this invoice.