

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 9288

OK

Box 1599 PHONE (316) 262-5861

Elevation 18976L Formation MARMONTON Eff. Pay Ft.

WICHITA, KANSAS 67201

Q800 District PEATT Date 12-21-85 Customer Order No.

COMPANY NAME QUINTANA Petroleum Corp

ADDRESS 1050 17th Street Suite 400 Denver Colo. 80265

LEASE AND WELL NO. Edmonston 3-3 COUNTY CLARK STATE KANSAS Sec. 3 Twp. 33S Rge. 2W

Mail Invoice To Same #3-3 EDMONSTON No. Copies Requested 8

Mail Charts To Same Address No. Copies Requested 8

Formation Test No. 1 Interval Tested From 5235 ft. to 5300 ft. Total Depth 5300 ft.

Packer Depth 5230 ft. Size 6 5/8 in. Packer Depth 5235 ft. Size 6 5/8 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5236 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 5260 ft. Recorder Number 13267 Cap. 4050

Below Straddle Recorder Depth 5253 ft. Recorder Number Cap.

Drilling Contractor Al DeWald Drilling Rig 2 Drill Collar Length 556 I. D. 2 1/4 in.

Mud Type Chem. Memphis Viscosity 53 Weight Pipe Length I. D. in.

Weight 9.4 Water Loss 11.8 cc. Drill Pipe Length 4679 4647 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 52 ft. Tool Size 5/8 in.

Jars: Make WTC Serial Number 408 Anchor Length 65 3/4 in. Bottom Choke Size 3/4 in.

Did Well Flow? yes Reversed Out yes Surface Choke Size 3/4 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow gas to surface 4 minutes see flow chart

Recovered ft. of Pulled 5 stands reversed out.

Recovered ft. of Oil 30 quantity at 60 ft

Recovered ft. of

Chlorides P.P.M. Sample Jars used 5 Remarks: fluid sampler plugged off at top

could not release pressure - lost fluid recovery clock stopped on #3 recorder (bottom recorder)

Time On Location 6:00 A.M. Time Pick Up Tool 8:30 P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 10:23 P.M. Time Started Off Bottom 1:25 A.M. P.M. Maximum Temperature 125 °F

Initial Hydrostatic Pressure (A) 2712 P.S.I.

Initial Flow Period Minutes 15 (B) 1329 P.S.I. to (C) 1433 P.S.I.

Initial Closed In Period Minutes 30 (D) 1821 P.S.I.

Final Flow Period Minutes 25 (E) 1402 P.S.I. to (F) 1402 P.S.I.

Final Closed In Period Minutes 120 (G) 1821 P.S.I.

Final Hydrostatic Pressure (H) 2659 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Rod Jrid - Thank you 2076

AFE 655644

FIELD INVOICE

Open Hole Test	\$ 650.00
Misrun	\$
Straddle Test	\$
Jars	\$ 300.00
Selective Zone	\$
Safety Joint	\$ 65.00
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$ 35.00
Mileage	\$
Fluid Sampler	NC 250.00
3 Extra Charts	\$ NC
Insurance	\$
Telecopier	\$
TOTAL	\$ 1150.00



Nº 4331

GAS FLOW REPORT

Date 10-21-85 Ticket 9288 Company QUINTANA Petroleum Co
 Well Name and No. Edmonston 3-3 Dst No. 1 Interval Tested 5235-5300
 County CLARK State KANSAS Sec. 3 Twp. 33s Rg. 21w

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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PRE FLOW

04	-	1			
5	4 PSI	1			Gas To Surface
-	5.1 PSI	1			283,000 CFDD
10	2	1			319,000
15	1.5	1			195,000
					169,000

SECOND FLOW

Time	Inches of Water	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
05	2.0	1			36,500 CFDD
10	2.0	1			36,500 CFDD
15	2.0	1			36,500 CFDD
20	-	1			flowed oil
25	-	1			

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 12-21

Test Ticket No. 9288

Recorder No. 2606

Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2712</u> P.S.I.		
B First Initial Flow Pressure	<u>1336</u> P.S.I.	<u>15</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>1346</u> P.S.I.	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1834</u> P.S.I.	<u>25</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>1498</u> P.S.I.	<u>120</u> Mins.	<u>117</u> Mins.
F Second Final Flow Pressure	<u>1431</u> P.S.I.		
G Final Closed-in Pressure	<u>1807</u> P.S.I.		
H Final Hydrostatic Mud	<u>2605</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 39 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>1336</u>						
P 2 5	<u>1339</u>	3	<u>1721</u>	5	<u>1498</u>	3	<u>1619</u>
P 3 10	<u>1346</u>	6	<u>1755</u>	10	<u>1458</u>	6	<u>1657</u>
P 4 15		9	<u>1777</u>	15	<u>1439</u>	9	<u>1681</u>
P 5 20		12	<u>1792</u>	20	<u>1432</u>	12	<u>1700</u>
P 6 25		15	<u>1802</u>	25	<u>1431</u>	15	<u>1715</u>
P 7 30		18	<u>1811</u>	30		18	<u>1727</u>
P 8 35		21	<u>1819</u>	35		21	<u>1736</u>
P 9 40		24	<u>1826</u>	40		24	<u>1743</u>
P10 45		27	<u>1830</u>	45		27	<u>1748</u>
P11 50		30	<u>1832</u>	50		30	<u>1753</u>
P12 55		33	<u>1834</u>	55		33	<u>1757</u>
P13 60		36		60		36	<u>1761</u>
P14 65		39		65		39	<u>1765</u>
P15 70		42		70		42	<u>1769</u>
P16 75		45		75		45	<u>1773</u>
P17 80		48		80		48	<u>1776</u>
P18 85		51		85		51	<u>1778</u>
P19 90		54		90		54	<u>1780</u>
P20 95		57		95		57	<u>1782</u>
100		60		100		60	<u>1784</u>

cont

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 9288

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____	M _____
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____	Mins. _____ Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____	Mins. _____ Mins.
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure	_____	Mins. _____ Mins.
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure	_____	Mins. _____ Mins.
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Point Minutes	Point Minutes
P 1 <u>105</u>	_____	63	105	63 <u>1786</u>
P 2 <u>110</u>	_____	66	110	66 <u>1788</u>
P 3 <u>115</u>	_____	69	115	69 <u>1790</u>
P 4 <u>120</u>	_____	72	120	72 <u>1792</u>
P 5 <u>125</u>	_____	75	125	75 <u>1794</u>
P 6 <u>130</u>	_____	78	130	78 <u>1795</u>
P 7 <u>135</u>	_____	81	135	81 <u>1796</u>
P 8 <u>140</u>	_____	84	140	84 <u>1797</u>
P 9 <u>145</u>	_____	87	145	87 <u>1798</u>
P10 <u>150</u>	_____	90	150	90 <u>1799</u>
P11 <u>155</u>	_____	93	155	93 <u>1800</u>
P12 <u>160</u>	_____	96	160	96 <u>1801</u>
P13 <u>165</u>	_____	99	165	99 <u>1802</u>
P14 <u>170</u>	_____	102	170	102 <u>1803</u>
P15 <u>175</u>	_____	105	175	105 <u>1804</u>
P16 <u>180</u>	_____	108	180	108 <u>1805</u>
P17 <u>185</u>	_____	111	185	111 <u>1806</u>
P18 <u>190</u>	_____	114	190	114 <u>1807</u>
P19 <u>195</u>	_____	117	195	117 <u>1807</u>
P20 <u>200</u>	_____	120	200	120 _____

2606737#1 ☆

TKT # 9288

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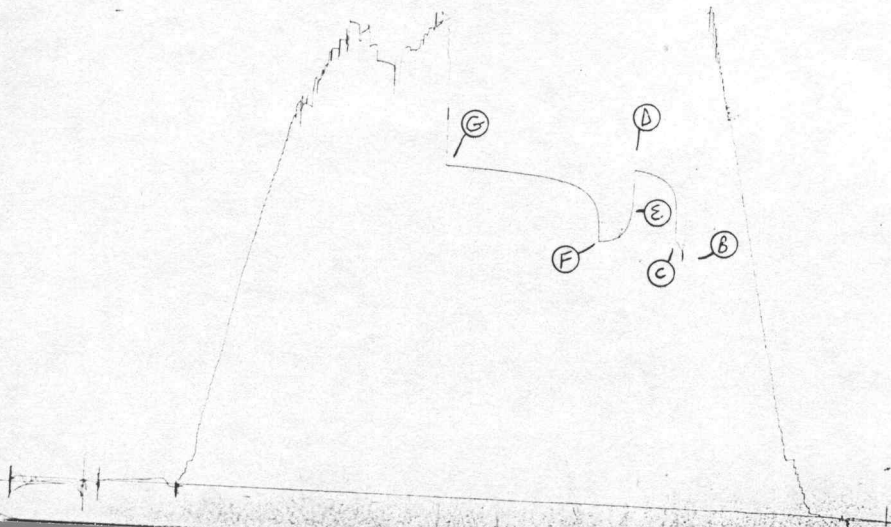
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WTC.

TKT # 9288

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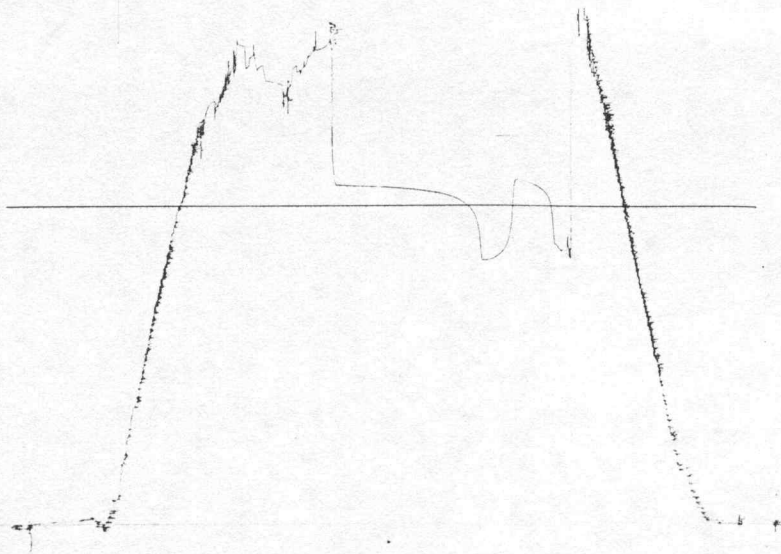
Below straddle

13267 DSY #1

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TKT # 9288

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY QUINTANA PETROLEUM CORP. LEASE & WELL NO. #3-3 EDMONSTON SEC. 3 TWP. 33s RGE. 21w TEST NO. 1 DATE 12/21/85

SUBSURFACE PRESSURE SURVEY

DATE : 12-21-85 TICKET : 9288
 CUSTOMER : QUINTANA PETROLEUM CORPORATION LEASE : EDMONSTON
 WELL : 3-3 TEST: 1 GEOLOGIST : L.S. BIRD
 ELEVATION : 1902 FORMATION : MARMATON
 SECTION : 3 TOWNSHIP : 33S
 RANGE : 21W COUNTY : CLARK STATE : KANSAS
 GAUGE SN# : 2606 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 5235 TO : 5300 TOTAL DEPTH : 5300

DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 5230 SIZE : 6 5/8
 PACKER DEPTH : 5235 SIZE : 6 5/8
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : ALDEBARAN DRILLING RIG #2
 MUD TYPE : CHEMICAL/MONPACVISCOSITY : 53
 WEIGHT : 9.4 WATER LOSS (CC) : 11.8
 CHLORIDES (PPM) : 8000
 JARS-MAKE : WESTERN SERIAL NUMBER : 408
 DID WELL FLOW ? : YES REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 556 FT I.D. inch : 2.25
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 4647 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 32 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 65 FT ANCHOR SIZE : 5.50
 SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
 MAIN HOLE SIZE : 7 7/8 IN TOOL JOINT SIZE : 4 1/2

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST.
 BLOW COMMENT #2 : GAS TO SURFACE IN 4 MINUTES
 BLOW COMMENT #3 : ON INITIAL FLOW PERIOD.
 BLOW COMMENT #4 : SEE ATTACHED GAS FLOW REPORT.

RECOVERED : 0 FT OF: OIL 38 GRAVITY AT 60 DEGREES. 0.0 Barrel

RECOVERED : 0 FT OF: 0.0 Barrels
 RECOVERED : 0 FT OF: 0.0 Barrels
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 RECOVERED : 0 FT OF: 0.0 Barrels
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 RECOVERED : 0 FT OF: 0.0 Barrels
 RECOVERED : 0 FT OF: 0.0 Barrels
 RECOVERED : 0 FT OF: 0.0 Barrels

Total Barrels = 0.0 Total Production = 0.0 Bpd

REMARK 1 : PULLED 5 STANDS REVERSED OUT. FLUID SAMPLER PLUGGED OFF AT
 REMARK 2 : TOP; COULDN'T RELEASE PRESSURE; LOST FLUID RECOVERY.. CLOCK
 REMARK 3 : STOPPED ON #3 RECORDER (BOTTOM RECORDER).
 REMARK 4 : SEE ATTACHED GAS FLOW REPORT.

SET PACKER(S) : 10:23 AM TIME STARTED OFF BOTTOM : 1:25 PM
 WELL TEMPERATURE : 125
 INITIAL HYDROSTATIC PRESSURE (A) 2712
 INITIAL FLOW PERIOD MIN: 10 (B) 1336 PSI TO (C) : 1346
 INITIAL CLOSED IN PERIOD MIN: 33 (D) 1834
 FINAL FLOW PERIOD MIN: 25 (E) 1498 PSI TO (F) : 1431
 FINAL CLOSED IN PERIOD MIN: 117 (G) 1807
 FINAL HYDROSTATIC PRESSURE (H) 2605

Pressure Transient Report

DATA FILE.....
COMPANY.....QUINTANA PETROLEUM CORPORATION
DATE OF TEST.....12-21-85
FIELD NAME.....EDMONSTON
WELL NAME.....3-3
LOCATION.....CLARK-KANSAS
JOB NUMBER.....9288
GAUGE NUMBER.....2606
GAUGE DEPTH.....5300

COMMENTS

PULLED 5 STANDS REVERSED OUT. FLUID SAMPLER PLUGGED OFF AT TOP; COULDN'T RELEASE PRESSURE; LOST FLUID RECOVERY. CLOCK STOPPED ON #3 RECORDER (BOTTOM RECORDER).
SEE ATTACHED GAS FLOW REPORT.

START UP TIME (mo/da/yr) (hr:min:sec)
 12./21/85. 10.: 23.: 0.

COMPANY : QUINTANA PETROLEUM CORPORATION FIELD : EDMONSTON
WELL : 3-3 JOB # : 9288
GAUGE # : 2606 DEPTH : 5300
MON/DAY : 12/21

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REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	10:23: 0	0 0.000	1336.00	125.0	0.00	0.00
2	10:28: 0	5 0.083	1339.00	125.0	3.00	36.14
3	10:33: 0	10 0.166	1346.00	125.0	10.00	84.33
4	10:36: 0	13 0.216	1721.00	125.0	385.00	7529.41
5	10:39: 0	16 0.267	1755.00	125.0	419.00	669.54
6	10:42: 0	19 0.316	1777.00	125.0	441.00	441.73
7	10:45: 0	22 0.366	1792.00	125.0	456.00	301.18
8	10:48: 0	25 0.416	1802.00	125.0	466.00	200.78
9	10:51: 0	28 0.466	1811.00	125.0	475.00	180.71
10	10:54: 0	31 0.517	1819.00	125.0	483.00	157.54
11	10:57: 0	34 0.566	1826.00	125.0	490.00	140.55
12	11: 0: 0	37 0.616	1830.00	125.0	494.00	80.31
13	11: 3: 0	40 0.666	1832.00	125.0	496.00	40.16
14	11: 6: 0	43 0.716	1834.00	125.0	498.00	40.16
15	11:11: 0	48 0.800	1498.00	125.0	162.00	-4000.74
16	11:16: 0	53 0.883	1458.00	125.0	122.00	-481.88
17	11:21: 0	58 0.966	1439.00	125.0	103.00	-228.89
18	11:26: 0	63 1.050	1432.00	125.0	96.00	-83.35
19	11:31: 0	68 1.133	1431.00	125.0	95.00	-12.05
20	11:34: 0	71 1.183	1619.00	125.0	283.00	3774.75
21	11:37: 0	74 1.232	1657.00	125.0	321.00	762.98
22	11:40: 0	77 1.283	1681.00	125.0	345.00	472.62
23	11:43: 0	80 1.333	1700.00	125.0	364.00	381.49
24	11:46: 0	83 1.383	1715.00	125.0	379.00	301.18
25	11:49: 0	86 1.433	1727.00	125.0	391.00	240.94
26	11:52: 0	89 1.482	1736.00	125.0	400.00	180.71
27	11:55: 0	92 1.533	1743.00	125.0	407.00	137.85
28	11:58: 0	95 1.583	1748.00	125.0	412.00	100.39
29	12: 1: 0	98 1.633	1753.00	125.0	417.00	100.39
30	12: 4: 0	101 1.683	1757.00	125.0	421.00	80.31
31	12: 7: 0	104 1.732	1761.00	125.0	425.00	80.31
32	12:10: 0	107 1.783	1765.00	125.0	429.00	78.77
33	12:13: 0	110 1.833	1769.00	125.0	433.00	80.31
34	12:16: 0	113 1.883	1773.00	125.0	437.00	80.31
35	12:19: 0	116 1.933	1776.00	125.0	440.00	60.24
36	12:22: 0	119 1.982	1778.00	125.0	442.00	40.16
37	12:25: 0	122 2.033	1780.00	125.0	444.00	39.38
38	12:28: 0	125 2.083	1782.00	125.0	446.00	40.16
39	12:31: 0	128 2.133	1784.00	125.0	448.00	40.16
40	12:34: 0	131 2.183	1786.00	125.0	450.00	40.16
41	12:37: 0	134 2.232	1788.00	125.0	452.00	40.16
42	12:40: 0	137 2.283	1790.00	125.0	454.00	39.38
43	12:43: 0	140 2.333	1792.00	125.0	456.00	40.16
44	12:46: 0	143 2.383	1794.00	125.0	458.00	40.16
45	12:49: 0	146 2.433	1795.00	125.0	459.00	20.08
46	12:52: 0	149 2.482	1796.00	125.0	460.00	20.08
47	12:55: 0	152 2.533	1797.00	125.0	461.00	19.69
48	12:58: 0	155 2.583	1798.00	125.0	462.00	20.08
49	13: 1: 0	158 2.633	1799.00	125.0	463.00	20.08

COMPANY : QUINTANA PETROLEUM CORPORATION FIELD : EDMONSTON
WELL : 3-3 JOB # : 9288
GAUGE # : 2606 DEPTH : 5300
MON/DAY : 12/21

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REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	ELAPSE TIME HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	13: 4: 0	161	2.683	1800.00	125.0	464.00	20.08
51	13: 7: 0	164	2.732	1801.00	125.0	465.00	20.08
52	13:10: 0	167	2.783	1802.00	125.0	466.00	19.69
53	13:13: 0	170	2.833	1803.00	125.0	467.00	20.08
54	13:16: 0	173	2.883	1804.00	125.0	468.00	20.08
55	13:19: 0	176	2.933	1805.00	125.0	469.00	20.08
56	13:22: 0	179	2.982	1806.00	125.0	470.00	20.08
57	13:25: 0	182	3.033	1807.00	125.0	471.00	19.69
58	13:28: 0	185	3.083	1807.00	125.0	471.00	0.00

