

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Texas Energies Inc.	Test No.	1
Well Name & Number	Verning Estate #1-23	Zone Tested	K.C.
Company Address	Pratt, Ks.	Date	9-12-82
Comp. Rep.	Scott Alberg	Tester	Bill Ulrich
Contractor	Wheat State Drlg.	Elevation	2083
Location: Sec. 23 Twp. 27 Rge. 15w Co. Pratt State Ks.		Est. Feet of Pay	

Recorder No. 11090 Type AK-1 Range 4225 PSI
 Recorder Depth 4160
 (A) Initial Hydrostatic Mud 2075 PSI
 (B) First Initial Flow Pressure 76 PSI
 (C) First Final Flow Pressure 115 PSI
 (D) Initial Closed-in Pressure 1429 PSI
 (E) Second Initial Flow Pressure 163 PSI
 (F) Second Final Flow Pressure 250 PSI
 (G) Final Closed-in Pressure 1419 PSI
 (H) Final Hydrostatic Mud 2065 PSI
 Temperature _____
 Mud Weight 9.3 Viscosity 37
 Fluid Loss 10.6
 Interval Tested 4143-4163
 Anchor Length 20
 Top Packer Depth 4138
 Bottom Packer Depth 4143
 Total Depth 4163
 Drill Pipe Size 4 1/2 XH
 Wt. Pipe I. D. - Ft. Run -
 Recovery—Total Feet 1175
 Recovered 1090 Feet Of FREE GASSY OIL. 32 GRAVITY
 Recovered 93 Feet Of 40% GAS 27% MUD 33% OIL.
 Recovered 92 Feet Of 25% GAS 47% MUD 28% OIL.
 Recovered _____ Feet Of _____
 Extra Equipment NONE Price of Job \$675.00

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4157
 Tool Open Before I. S. I. 30 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 45 Mins.
 Final Shut-in 60 Mins.
 Surface Choke Size 1"
 Bottom Choke Size 3/4"
 Main Hole Size 7 7/8"
 Rubber Size 6 3/4"
 Tool Open @ 6:20 A.M.
 Blow GAS TO SURFACE 13 MIN.
 Remarks SEE GAS FOW REPORT.

FLUID UNLOADED AT 1175'

 Drill Collar I. D. - Ft. Run -

CHENEY TESTING COMPANY

Pressure Data

Date 9-12-82 Test Ticket No. 6080

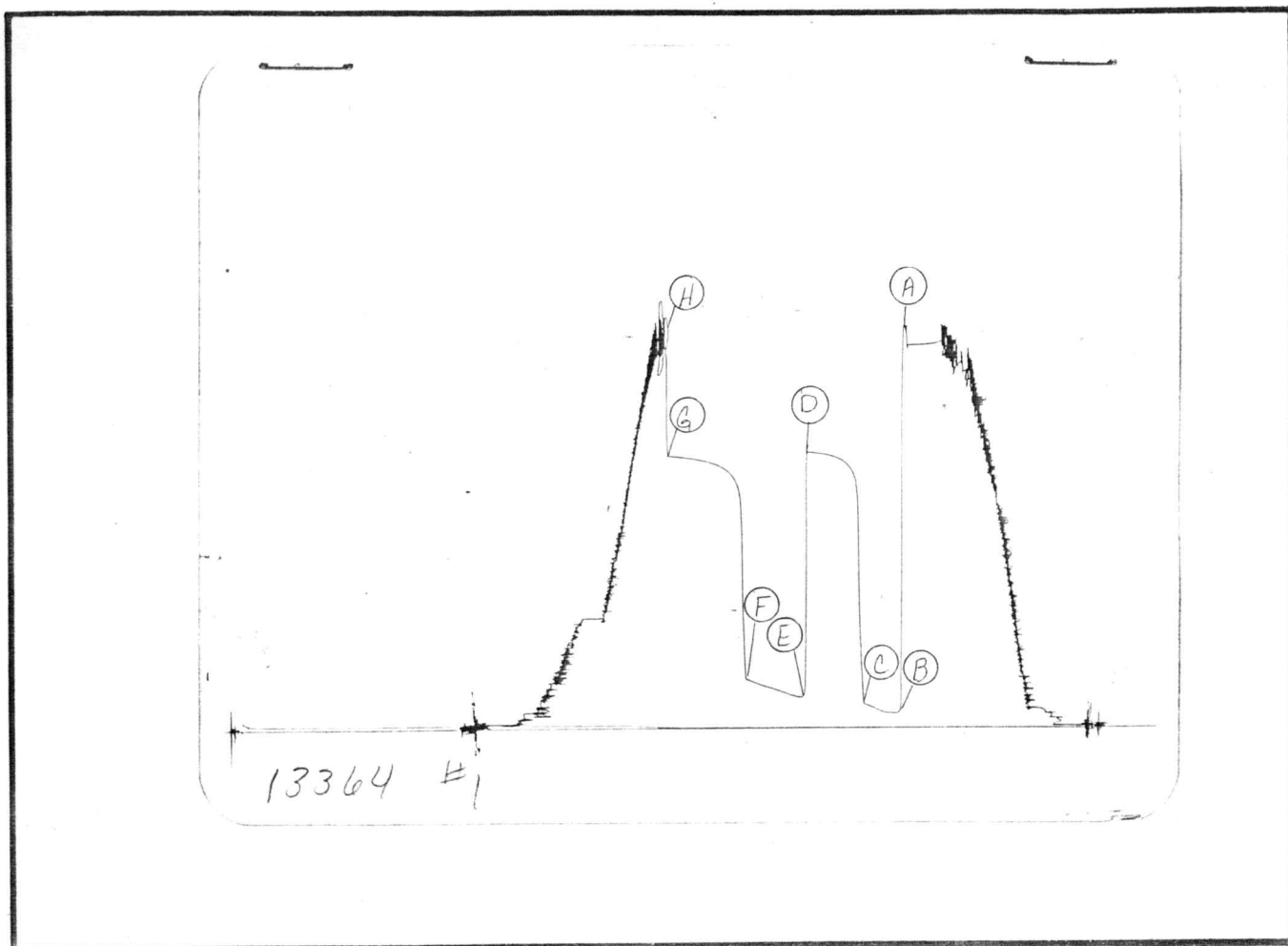
Recorder No. 13364 Capacity 4225 Location 4160 Ft.

Clock No. 21123 Elevation 2083 Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	2071 P.S.I.		6:20 A.M.	
B First Initial Flow Pressure	75 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	123 P.S.I.	Initial Closed-in Pressure	45 Mins.	43 Mins.
D Initial Closed-in Pressure	1426 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	158 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	251 P.S.I.			
G Final Closed-in Pressure	1407 P.S.I.			
H Final Hydrostatic Mud	2061 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>12</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>0</u> Min.		final inc. of <u>3</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>75</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>158</u>	<u>0</u>	<u>251</u>
P 2 <u>5</u>	<u>75</u>	<u>5</u>	<u>1245</u>	<u>5</u>	<u>160</u>	<u>5</u>	<u>1190</u>
P 3 <u>10</u>	<u>77</u>	<u>10</u>	<u>1348</u>	<u>10</u>	<u>169</u>	<u>10</u>	<u>1293</u>
P 4 <u>15</u>	<u>84</u>	<u>15</u>	<u>1379</u>	<u>15</u>	<u>181</u>	<u>15</u>	<u>1332</u>
P 5 <u>20</u>	<u>101</u>	<u>20</u>	<u>1396</u>	<u>20</u>	<u>193</u>	<u>20</u>	<u>1354</u>
P 6 <u>25</u>	<u>114</u>	<u>25</u>	<u>1407</u>	<u>25</u>	<u>202</u>	<u>25</u>	<u>1368</u>
P 7 <u>30</u>	<u>123</u>	<u>30</u>	<u>1415</u>	<u>30</u>	<u>214</u>	<u>30</u>	<u>1378</u>
P 8 _____		<u>35</u>	<u>1419</u>	<u>35</u>	<u>226</u>	<u>35</u>	<u>1386</u>
P 9 _____		<u>40</u>	<u>1424</u>	<u>40</u>	<u>237</u>	<u>40</u>	<u>1393</u>
P10 _____		<u>43</u>	<u>1426</u>	<u>45</u>	<u>251</u>	<u>45</u>	<u>1396</u>
P11 _____						<u>50</u>	<u>1400</u>
P12 _____						<u>55</u>	<u>1404</u>
P13 _____						<u>60</u>	<u>1407</u>
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2075	2071 PSI
(B) First Initial Flow Pressure	76	75 PSI
(C) First Final Flow Pressure	115	123 PSI
(D) Initial Closed-in Pressure	1429	1426 PSI
(E) Second Initial Flow Pressure	163	158 PSI
(F) Second Final Flow Pressure	250	251 PSI
(G) Final Closed-in Pressure	1419	1407 PSI
(H) Final Hydrostatic Mud	2065	2061 PSI

GAS FLOW REPORT

Date 9-12-82 Ticket 6080 Company Texas Energies Inc.
 Well Name and No. Verning Estate #1-23 Dst No. 1 Interval Tested 4143-4163
 County Pratt State Ks. Sec. 23 Twp. 27 Rg. 15w

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
6:20	Tool Open					
6:33	13	1½ Lbs.			¼" Orifice	11,020 MCF/Day
6:40	20	2½ Lbs.				14,300 MCF/Day
6:50	30	3 Lbs.				15,700 MCF/Day

SECOND FLOW						
7:35	Tool Open					
7:45	40	2½ Lbs.			¼" Orifice	14,300 MCF/Day
7:55	50	2½ Lbs.			¼" Orifice	14,300 MCF/Day
8:05	60	2 Lbs.			¼" Orifice	12,700 MCF/Day
8:15	70	1½ Lbs.			¼" Orifice	11,020 MCF/Day

GAS BOTTLE

Serial No. 104 Date Bottle Filled 9-12-82 Date to be Invoiced 9-15-82

Requisition and Provisions for high pressure steel gas bottles. Cheney 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 Cheney 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 TEXAS ENERGIES, INC.

Authorized by _____

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Texas Energies, Inc.	Test No.	2
Well Name & Number	Verning Estates #1-23	Zone Tested	K.C.
Company Address	Pratt, Ks.	Date	9-13-82
Comp. Rep.	Scott Alberg	Tester	Bill Ulrich
Contractor	Wheatstate Drlg.	Elevation	2083 K.B.
Location: Sec. 23 Twp. 27 Rge. 15w Co. Pratt State Ks.		Est. Feet of Pay	

Recorder No.11090 Type AK-1 Range 4125 PSI
 Recorder Depth 4247
 (A) Initial Hydrostatic Mud 2084 PSI
 (B) First Initial Flow Pressure 413 PSI
 (C) First Final Flow Pressure 730 PSI
 (D) Initial Closed-in Pressure 1486 PSI
 (E) Second Initial Flow Pressure - PSI
 (F) Second Final Flow Pressure - PSI
 (G) Final Closed-in Pressure - PSI
 (H) Final Hydrostatic Mud 2065 PSI
 Temperature 116
 Mud Weight 9.1 Viscosity 40
 Fluid Loss 7.0
 Interval Tested 4210-4250
 Anchor Length 40
 Top Packer Depth 4205
 Bottom Packer Depth 4210
 Total Depth 4250
 Drill Pipe Size 4 1/2 XH
 Wt. Pipe I. D. - Ft. Run -
 Recovery—Total Feet 920
 Recovered 610 Feet Of GASSY OIL.
 Recovered 310 Feet Of 29% MUD 10% WATER 35% OIL 26% GAS.
 Recovered Feet Of
 Recovered Feet Of
 Extra Equipment NONE Price of Job \$675.00

Recorder No.13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4244
 Tool Open Before I. S. I. 30 Mins.
 Initial Shut-in 240 Mins.
 Flow Period 0 Mins.
 Final Shut-in 0 Mins.
 Surface Choke Size 1"
 Bottom Choke Size 3/4"
 Main Hole Size 7 7/8"
 Rubber Size 6 3/4"
 Tool Open @ 2:55 A.M.
 Blow GAS TO SURFACE 2 MIN.
 Remarks OIL TO SURFACE 30 MIN.
 10 MIN. 2 1/2 Lbs. 1/2" ORIFICE 14,300 MCF/DAY
 20 MIN. 3 LBS. 1/2" ORIFICE 15,300 MCF/DAY
 30 MIN. 1 LB. 1/2" ORIFICE 8.950 MCF/DAY
 GRAVITY 32.
 Drill Collar I. D. - Ft. Run -

CHENEY TESTING COMPANY

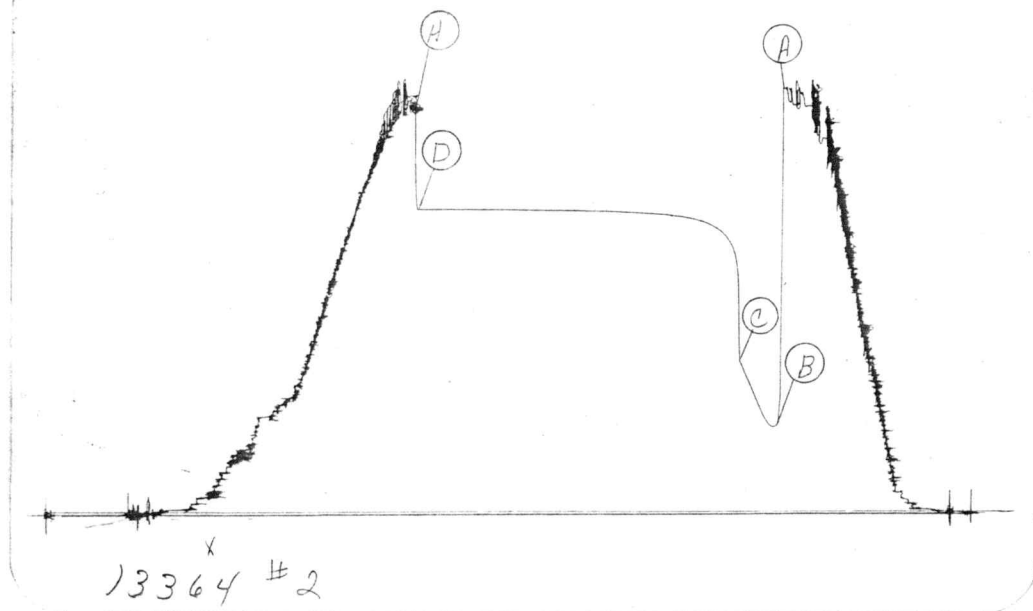
Pressure Data

Date 9-13-82 Test Ticket No. 6081
 Recorder No. 13364 Capacity 3825 Location 4244 Ft.
 Clock No. _____ Elevation 2083 K.B. Well Temperature 116 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2080</u> P.S.I.	<u>2:55</u> AM	
B First Initial Flow Pressure	<u>419</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>740</u> P.S.I.	<u>240</u> Mins.	<u>240</u> Mins.
D Initial Closed-in Pressure	<u>1484</u> P.S.I.	<u>0</u> Mins.	<u>0</u> Mins.
E Second Initial Flow Pressure	<u>-</u> P.S.I.	<u>0</u> Mins.	<u>0</u> Mins.
F Second Final Flow Pressure	<u>-</u> P.S.I.		
G Final Closed-in Pressure	<u>-</u> P.S.I.		
H Final Hydrostatic Mud	<u>2061</u> P.S.I.		

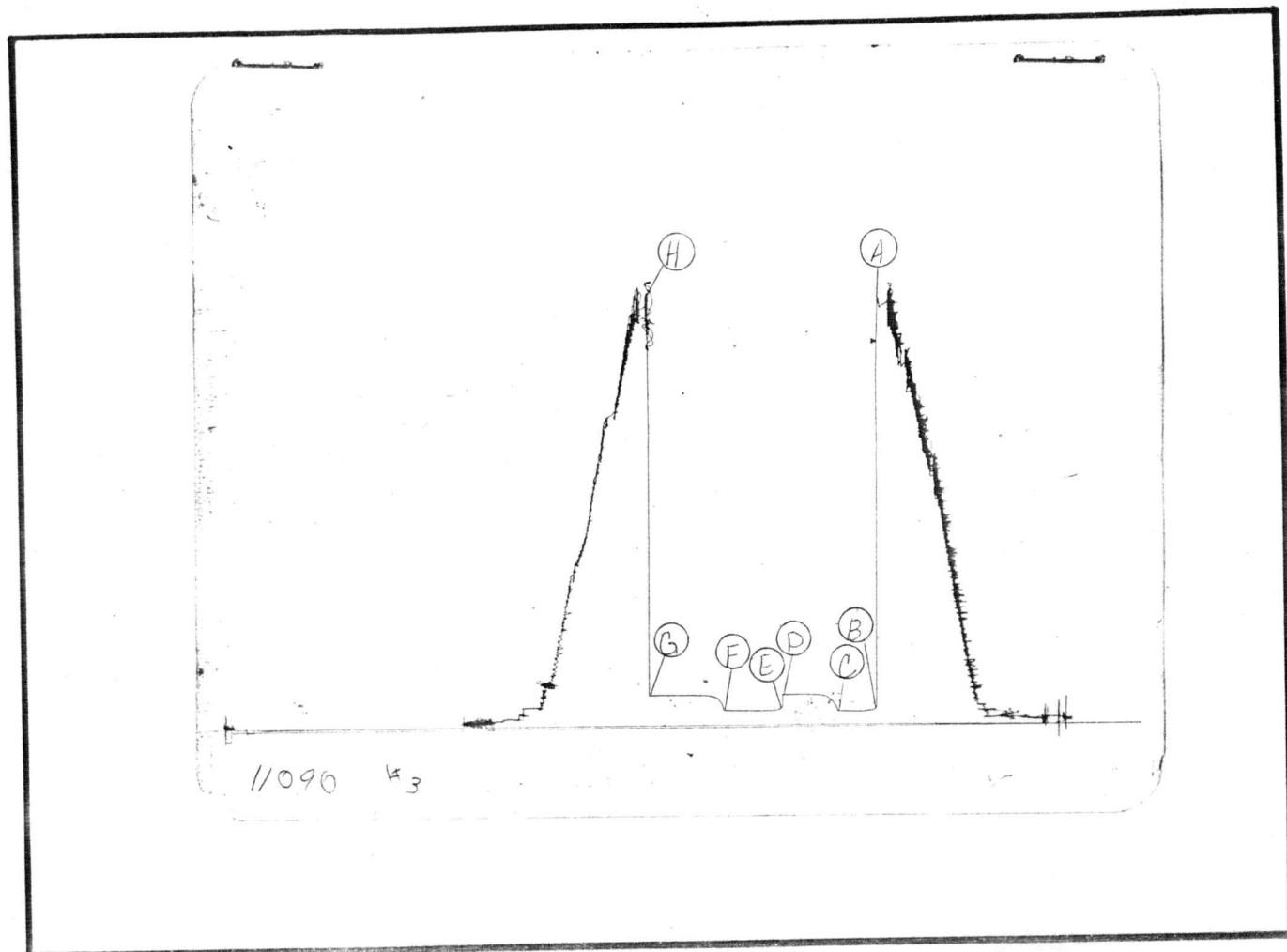
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>48</u> Inc.		Breakdown: <u>-</u> Inc.		Breakdown: <u>-</u> Inc.	
of <u>5</u> mins. and a		of <u>5</u> mins. and a		of <u>-</u> mins. and a		of <u>-</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</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 <u>0</u>	<u>419</u>	<u>0</u>	<u>740</u>	<u>195</u>	<u>1483</u>		
		<u>5</u>	<u>1304</u>	<u>200</u>	<u>1483</u>		
P 2 <u>5</u>	<u>420</u>	<u>10</u>	<u>1356</u>	<u>205</u>	<u>1483</u>		
		<u>15</u>	<u>1387</u>	<u>210</u>	<u>1483</u>		
P 3 <u>10</u>	<u>457</u>	<u>20</u>	<u>1407</u>	<u>215</u>	<u>1484</u>		
		<u>25</u>	<u>1421</u>	<u>220</u>	<u>1484</u>		
P 4 <u>15</u>	<u>528</u>	<u>30</u>	<u>1433</u>	<u>225</u>	<u>1484</u>		
		<u>35</u>	<u>1440</u>	<u>230</u>	<u>1484</u>		
P 5 <u>20</u>	<u>610</u>	<u>40</u>	<u>1447</u>	<u>235</u>	<u>1484</u>		
		<u>45</u>	<u>1450</u>				
P 6 <u>25</u>	<u>683</u>	<u>50</u>	<u>1456</u>	<u>240</u>	<u>1484</u>		
		<u>55</u>	<u>1459</u>				
P 7 <u>30</u>	<u>740</u>	<u>60</u>	<u>1462</u>				
		<u>65</u>	<u>1464</u>				
P 8		<u>70</u>	<u>1466</u>				
		<u>75</u>	<u>1468</u>				
P 9		<u>80</u>	<u>1469</u>				
		<u>85</u>	<u>1471</u>				
P10		<u>90</u>	<u>1473</u>				
		<u>95</u>	<u>1474</u>				
P11		<u>100</u>	<u>1475</u>				
		<u>105</u>	<u>1476</u>				
P12		<u>110</u>	<u>1476</u>				
		<u>115</u>	<u>1477</u>				
P13		<u>120</u>	<u>1478</u>				
		<u>125</u>	<u>1479</u>				
P14		<u>130</u>	<u>1479</u>				
		<u>135</u>	<u>1480</u>				
P15		<u>140</u>	<u>1480</u>				
		<u>145</u>	<u>1480</u>				
P16		<u>150</u>	<u>1480</u>				
		<u>155</u>	<u>1480</u>				
P17		<u>160</u>	<u>1481</u>				
		<u>165</u>	<u>1481</u>				
P18		<u>170</u>	<u>1482</u>				
		<u>175</u>	<u>1482</u>				
P19		<u>180</u>	<u>1482</u>				
		<u>185</u>	<u>1483</u>				
P20		<u>190</u>	<u>1483</u>				



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2084	2080 PSI
(B) First Initial Flow Pressure	413	419 PSI
(C) First Final Flow Pressure	730	740 PSI
(D) Initial Closed-in Pressure	1486	1484 PSI
(E) Second Initial Flow Pressure	—	— PSI
(F) Second Final Flow Pressure	—	— PSI
(G) Final Closed-in Pressure	—	— PSI
(H) Final Hydrostatic Mud	2065	2061 PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2390	PSI
(B) First Initial Flow Pressure	72	PSI
(C) First Final Flow Pressure	72	PSI
(D) Initial Closed-in Pressure	164	PSI
(E) Second Initial Flow Pressure	72	PSI
(F) Second Final Flow Pressure	72	PSI
(G) Final Closed-in Pressure	164	PSI
(H) Final Hydrostatic Mud	2359	PSI

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Texas Energies, Inc.	Test No.	3
Well Name & Number	Verning Estate #1-23	Zone Tested	Cherokee
Company Address	Pratt, Ks.	Date	9-14-82
Comp. Rep.	Scott Alberg	Tester	Bill Ulrich
Contractor	Wheatstate Drlg.	Elevation	2083 K.B.
Location: Sec. 23 Twp. 27 Rge. 15w Co. Pratt State Ks.		Est. Feet of Pay	

Recorder No. 11090 Type AK-1 Range 4125 PSI

Recorder Depth 4459

(A) Initial Hydrostatic Mud 2390 PSI

(B) First Initial Flow Pressure 72 PSI

(C) First Final Flow Pressure 72 PSI

(D) Initial Closed-in Pressure 164 PSI

(E) Second Initial Flow Pressure 72 PSI

(F) Second Final Flow Pressure 72 PSI

(G) Final Closed-in Pressure 164 PSI

(H) Final Hydrostatic Mud 2359 PSI

Temperature 118

Mud Weight 9.1 Viscosity 41

Fluid Loss 9.1

Interval Tested 4434-4462

Anchor Length 28

Top Packer Depth 4429

Bottom Packer Depth 4434

Total Depth 4462

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. - Ft. Run -

Recovery—Total Feet 70

Recovered 70 Feet Of DRILLING MUD. 23,000 P.P.M. CHLORIDES.

Recovered Feet Of DST- \$ 675.00

Recovered Feet Of BOWEN JARS- \$ 330.00

Recovered Feet Of SAFETY JOINT- \$ 60.00

Extra Equipment NONE Price of Job \$1065.00

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder Depth 4456

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 7:17 P.M.

Blow 1ST OPEN-STRONG BLOW.

Remarks 2ND OPEN-STRONG BLOW.

Drill Collar I. D. - Ft. Run -

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Texas Energies, Inc.	Test No.	4
Well Name & Number	Verning Estate #1-23	Zone Tested	Miss.
Company Address	Pratt, Ks.	Date	9-15-82
Comp. Rep.	Scott Alberg	Tester	Bill Ulrich
Contractor	Wheatstate Drlg.	Elevation	2083 K.B.
Location: Sec. 23 Twp. 27 Rge. 15w Co. Pratt State Ks.		Est. Feet of Pay	

Recorder No. 11090 Type AK-1 Range 4125 PSI

Recorder Depth _____

(A) Initial Hydrostatic Mud _____ 2305 PSI

(B) First Initial Flow Pressure _____ 48 PSI

(C) First Final Flow Pressure _____ 48 PSI

(D) Initial Closed-in Pressure _____ 1085 PSI

(E) Second Initial Flow Pressure _____ 57 PSI

(F) Second Final Flow Pressure _____ 57 PSI

(G) Final Closed-in Pressure _____ 1104 PSI

(H) Final Hydrostatic Mud _____ 2238 PSI

Temperature _____

Mud Weight 9.0 Viscosity 36

Fluid Loss _____ 11.0

Interval Tested _____ 4464-4485

Anchor Length _____ 21

Top Packer Depth _____ 4459

Bottom Packer Depth _____ 4464

Total Depth _____ 4485

Drill Pipe Size _____ 4 1/2 XH

Wt. Pipe I. D. _____ Ft. Run _____

Recovery—Total Feet _____ 62

Recovered 62 Feet Of _____ DRILLING MUD. 11,000 P.P.M. CHLORIDES.

Recovered _____ Feet Of _____ DST- \$ 675.00

Recovered _____ Feet Of _____ BOWEN JARS- \$ 330.00

Recovered _____ Feet Of _____ SAFETY JOINT- \$ 60.00

Extra Equipment _____ BOWEN JARS, SAFETY JOINT Price of Job \$1065.00

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder Depth _____

Tool Open Before I. S. I. _____ 30 Mins.

Initial Shut-in _____ 45 Mins.

Flow Period _____ 45 Mins.

Final Shut-in _____ 60 Mins.

Surface Choke Size _____ 1"

Bottom Choke Size _____ 3/4"

Main Hole Size _____ 7 7/8"

Rubber Size _____ 6 3/4"

Tool Open @ _____ 12:37 P.M.

Blow 1ST OPEN-GAS TO SURFACE 20 MIN. TO

Remarks SMALL TO MEASURE.

2ND OPEN-SEE GAS FLOW REPORT.

Drill Collar I. D. _____ Ft. Run _____

GAS FLOW REPORT

Date 9-15-82 Ticket 6083 Company TEXAS ENERGIES, INC.
 Well Name and No. VERNING ESTATE #1-23 Dst No. 4 Interval Tested 4464-4485
 County PRATT State KANSAS Sec. 23 Twp. 27 Rg. 15w

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
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PRE FLOW

12:37	TOOL OPEN					
12:57	20	GAS TO SURFACE				
1:07	30	TO SMALL TO MEASURE.				

SECOND FLOW

1:52	TOOL OPEN					
2:02	40	2½ lbs.		¼" ORIFICE		14,300 MCF/DAY
2:12	50	1½ lbs.		¼" ORIFICE		11,020 MCF/DAY
2:22	60	28"		¼" ORIFICE		8,890 MCF/DAY
2:32	70	24"		¼" ORIFICE		8,820 MCF/DAY

GAS BOTTLE

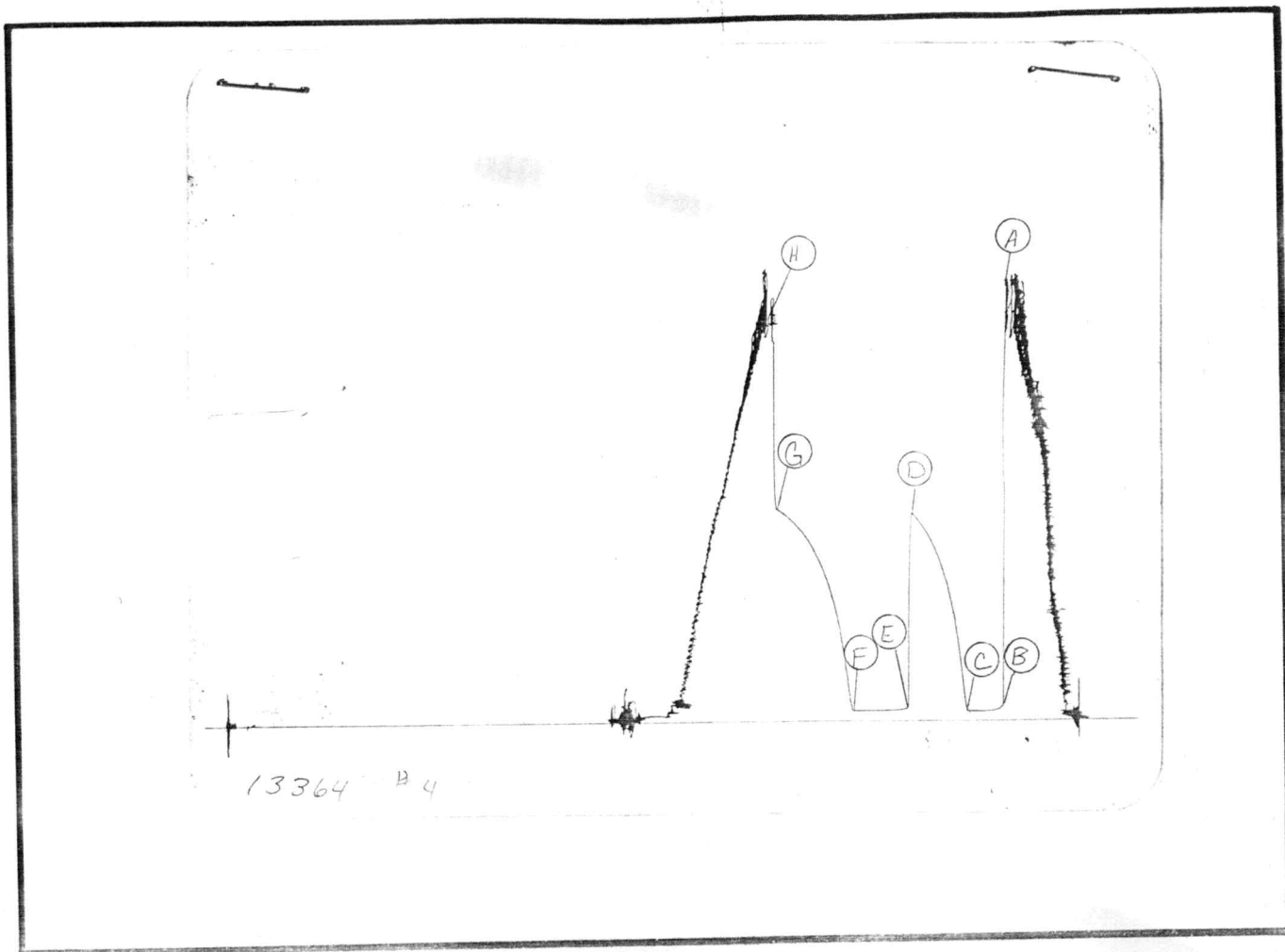
Serial No. 106 Date Bottle Filled 9-15-82 Date to be Invoiced _____

Requisition and Provisions for high pressure steel gas bottles. Cheney 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 Cheney 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 TEXAS ENERGIES, INC.

Authorized by _____



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2305	PSI
(B) First Initial Flow Pressure	48	PSI
(C) First Final Flow Pressure	48	PSI
(D) Initial Closed-in Pressure	1085	PSI
(E) Second Initial Flow Pressure	57	PSI
(F) Second Final Flow Pressure	57	PSI
(G) Final Closed-in Pressure	1104	PSI
(H) Final Hydrostatic Mud	2238	PSI

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Texas Energies, Inc.	Test No.	5
Well Name & Number	Verning Estate #1-23	Zone Tested	Kinderhook
Company Address	Pratt, Ks.	Date	9-16-82
Comp. Rep.	Scott Alberg	Tester	Bill Ulrich
Contractor	Wheatstate Drlg. Co.	Elevation	2083 K.B.
Location: Sec. 23 Twp. 27 Rge. 15w Co. Pratt State Ks.		Est. Feet of Pay	

Recorder No. 11090 Type AK-1 Range 4125 PSI

Recorder Depth 4510

(A) Initial Hydrostatic Mud 2248 PSI

(B) First Initial Flow Pressure 115 PSI

(C) First Final Flow Pressure 173 PSI

(D) Initial Closed-in Pressure 1114 PSI

(E) Second Initial Flow Pressure - PSI

(F) Second Final Flow Pressure - PSI

(G) Final Closed-in Pressure - PSI

(H) Final Hydrostatic Mud 2171 PSI

Temperature _____

Mud Weight 8.9 Viscosity 48

Fluid Loss 17

Interval Tested 4493-4513

Anchor Length 20

Top Packer Depth 4488

Bottom Packer Depth 4493

Total Depth 4513

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. - Ft. Run -

Recovery—Total Feet 680

Recovered 680 Feet Of SLIGHTLY GAS CUT MUD. VERY SLIGHT SHOW OF OIL.

Recovered _____ Feet Of MISRUN- \$330.00

Recovered _____ Feet Of BOWEN JARS- \$330.00

Recovered _____ Feet Of SAFETY JOINT- \$ 60.00

Extra Equipment NONE Price of Job \$720.00

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder Depth 457

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

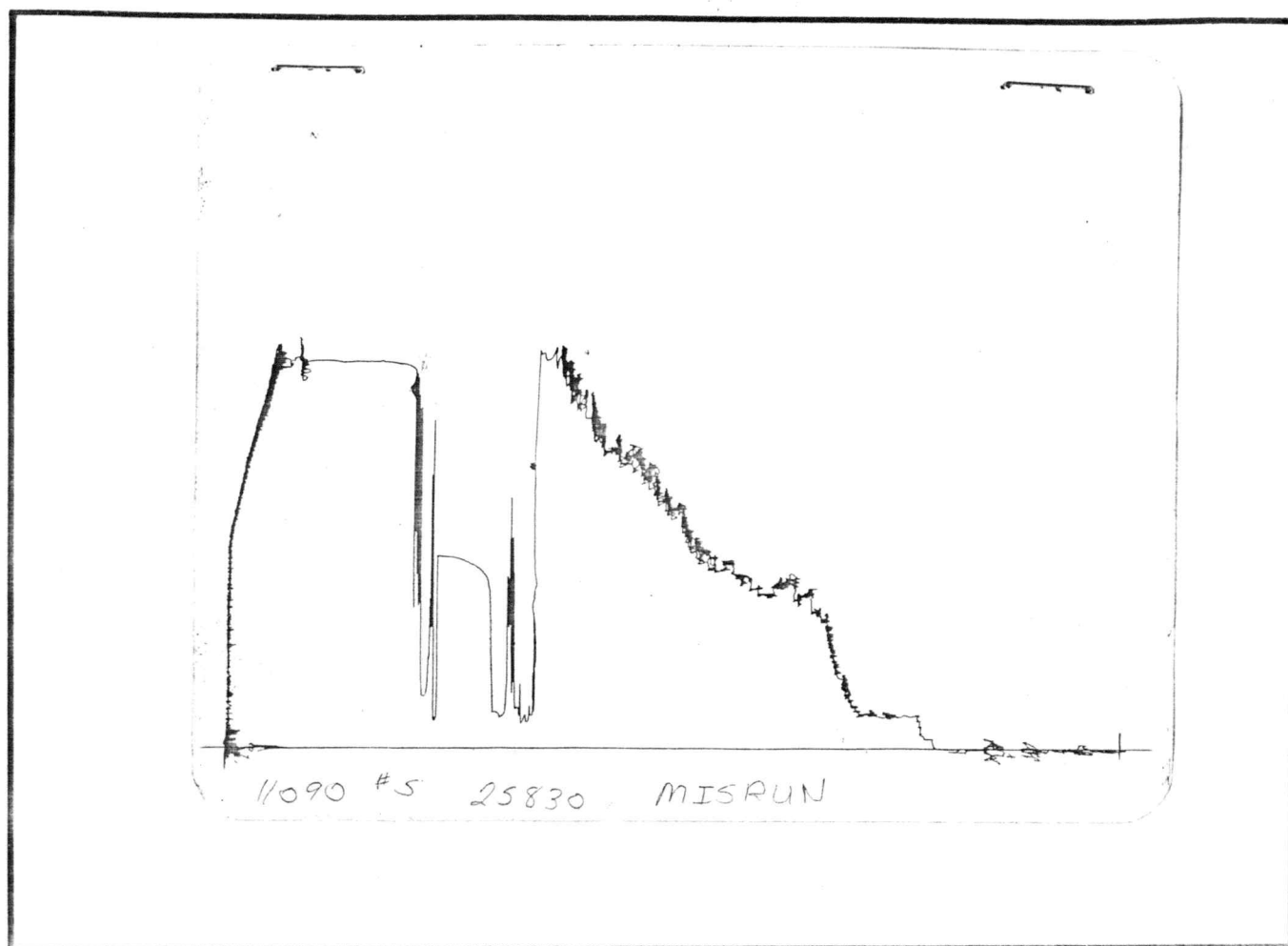
Tool Open @ 5:15 A.M.

Blow 1ST OPEN-GAS TO SURFACE.

Remarks _____

MISRUN-PACKERS WERE LEAKING.

Drill Collar I. D. - Ft. Run -



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2248	PSI
(B) First Initial Flow Pressure	115	PSI
(C) First Final Flow Pressure	173	PSI
(D) Initial Closed-in Pressure	1114	PSI
(E) Second Initial Flow Pressure	—	PSI
(F) Second Final Flow Pressure	—	PSI
(G) Final Closed-in Pressure	—	PSI
(H) Final Hydrostatic Mud	2171	PSI

GAS FLOW REPORT

Date 9-16-82 Ticket 6084 Company TEXAS ENERGIES, INC.
 Well Name and No. VERNING ESTATE #1-23 Dst No. 5 Interval Tested 4493-4513
 County PRATT State KANSAS Sec. 23 Twp. 27 Rg. 15w

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
5:15	TOOL	OPEN				
5:20	5	GAS TO SURFACE				
5:25	10	1½ lbs.		1" ORIFICE		169,000 MCF/DAY
5:35	20	1 lb.		¾" ORIFICE		76,000 MCF/DAY
5:45	30	28"		½" ORIFICE		59,000 MCF/DAY

SECOND FLOW						
6:30	TOOL	OPEN				
6:40	40	26"		½" ORIFICE		8,560 MCF/DAY
6:50	50	16"		½" ORIFICE		6,720 MCF/DAY
7:00	60	8"		½" ORIFICE		4,760 MCF/DAY
7:10	70	DEAD		½" ORIFICE		0

GAS BOTTLE

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

Requisition and Provisions for high pressure steel gas bottles. Cheney 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 Cheney 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 _____

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Texas Energies, Inc.	Test No.	6
Well Name & Number	Verning Estate #1-23	Zone Tested	
Company Address	Pratt, Ks.	Date	9-17-82
Comp. Rep.	Scott Alberg	Tester	Bill Ulrich
Contractor	Wheatstate Drlg.	Elevation	2083 K.B.
Location: Sec. 23 Twp. 27 Rge. 15w Co. Pratt State Ks.		Est. Feet of Pay	

Recorder No. 11090 Type AK-1 Range 4125 PSI
 Recorder Depth 4529
 (A) Initial Hydrostatic Mud 2276 PSI
 (B) First Initial Flow Pressure 76 PSI
 (C) First Final Flow Pressure 67 PSI
 (D) Initial Closed-in Pressure 1114 PSI
 (E) Second Initial Flow Pressure 105 PSI
 (F) Second Final Flow Pressure 86 PSI
 (G) Final Closed-in Pressure 1114 PSI
 (H) Final Hydrostatic Mud 2257 PSI
 Temperature 119
 Mud Weight 8.9 Viscosity 65
 Fluid Loss 6.0
 Interval Tested 4501-4532
 Anchor Length 31
 Top Packer Depth 4496
 Bottom Packer Depth 4501
 Total Depth 4532
 Drill Pipe Size 4 1/2 XH
 Wt. Pipe I. D. - Ft. Run -
 Recovery—Total Feet 230
 Recovered 230 Feet Of VERY SLIGHTLY OILY GAS CUT MUD.
 Recovered Feet Of
 Recovered Feet Of
 Recovered Feet Of
 Extra Equipment

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4526
 Tool Open Before I. S. I. 30 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 45 Mins.
 Final Shut-in 60 Mins.
 Surface Choke Size 1"
 Bottom Choke Size 3/4"
 Main Hole Size 7 7/8"
 Rubber Size 6 3/4"
 Tool Open @ 2:55 A.M.
 Blow 1ST OPEN-GAS TO SURFACE 4 MIN.
 Remarks SEE FLOW REPORT.

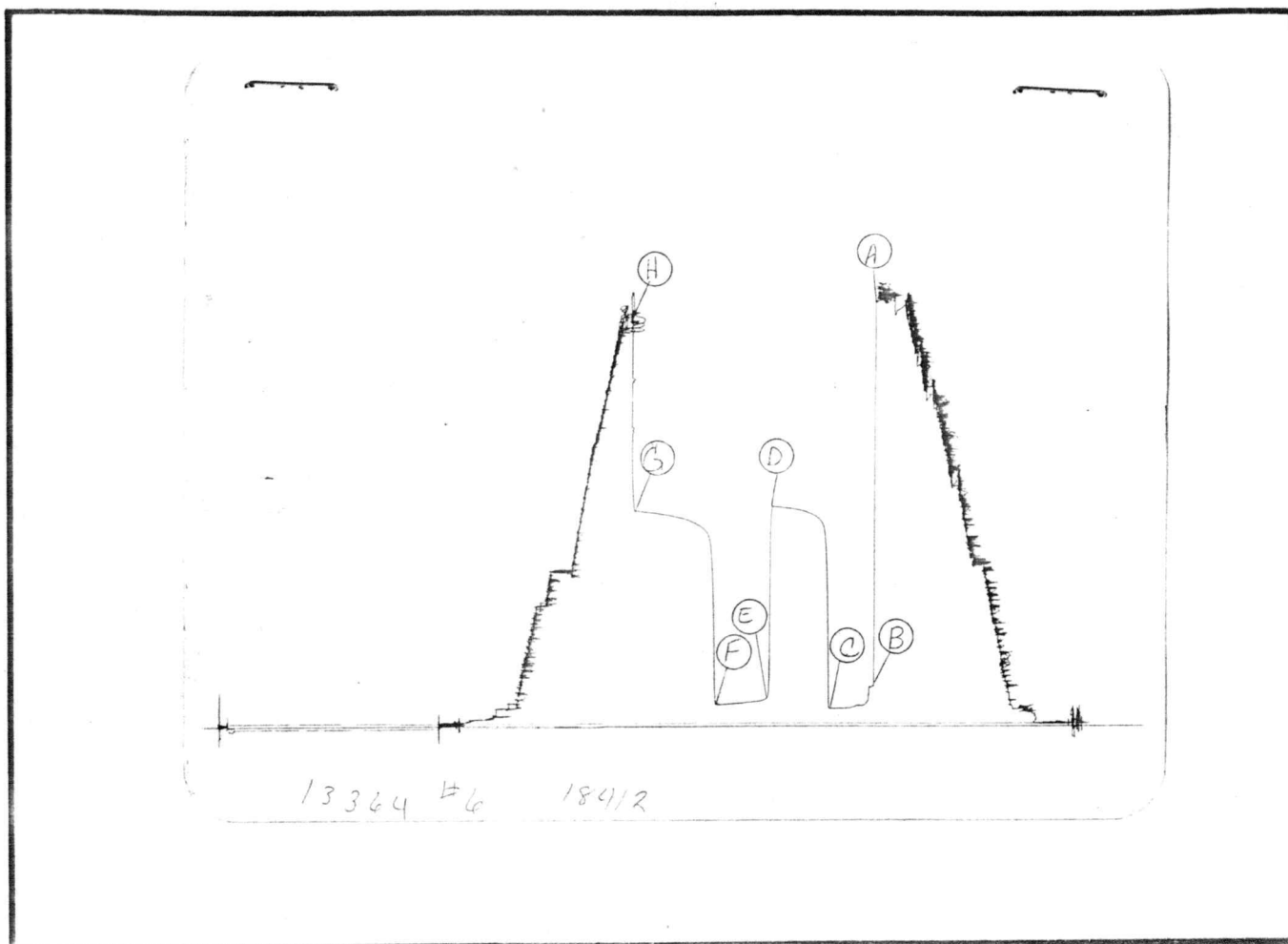
CHLORIDES-21,000 P.P.M.
 Drill Collar I. D. - Ft. Run -

DST- \$ 675.00

BOWEN JARS- \$ 330.00

SAFETY JOINT- \$ 60.00

BOWEN JARS, SAFETY JOINT Price of Job \$1065.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2276	PSI
(B) First Initial Flow Pressure	76	PSI
(C) First Final Flow Pressure	67	PSI
(D) Initial Closed-in Pressure	1114	PSI
(E) Second Initial Flow Pressure	105	PSI
(F) Second Final Flow Pressure	86	PSI
(G) Final Closed-in Pressure	1114	PSI
(H) Final Hydrostatic Mud	2257	PSI

GAS FLOW REPORT

Date 9-17-82 Ticket 6085 Company TEXAS ENERGIES, INC.
 Well Name and No. VERNING ESTATES #1-23 Dst No. 6 Interval Tested 4501-4532
 County PRATT State KANSAS Sec. 23 Twp. 27 Rg. 15w

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
2:55	TOOL	OPEN				
2:59	4	GAS TO SURFACE.		½" ORIFICE		
3:05	10	5 lbs.		½" ORIFICE		78,100 MCF/DAY
3:15	20	7½ lbs.		½" ORIFICE		97,800 MCF/DAY
3:25	30	8 lbs.		½" ORIFICE		101,000 MCF/DAY

SECOND FLOW						
4:10	TOOL	OPEN				
4:20	40			½" ORIFICE		116,000 MCF/DAY
4:30	50			½" ORIFICE		116,000 MCF/DAY
4:40	60			½" ORIFICE		112,000 MCF/DAY
4:50	70			½" ORIFICE		112,000 MCF/DAY

GAS BOTTLE

Serial No. 105 Date Bottle Filled 9-17-82 Date to be Invoiced _____

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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 _____