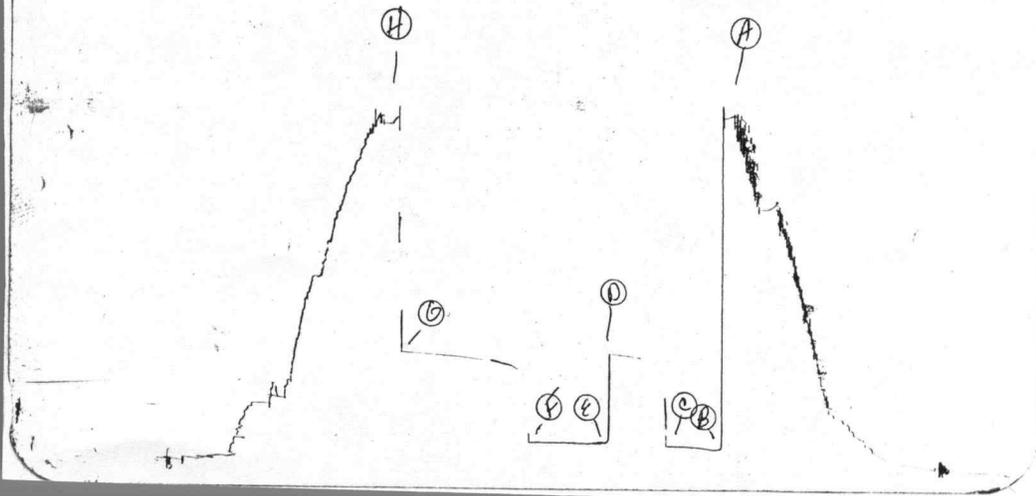


4332 DST #1

TKT # 11870

0



Company Harris Exploration Company Lease & Well No. #1 Wineinger
 Elevation 1436 Kelly Bushing Location Mississippi Effective Pay - Ft. Ticket No. 11870
 Date 10/29/81 Sec. 26 Twp. 28S Range 6W County Kingman State Kansas
 Test Approved by John W SeFerl Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 3853 ft. to 3880 ft. Total Depth 3880 ft.
 Packer Depth 3848 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3853 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3857 ft. Recorder Number 2606 Cap. 4150
 Bottom Recorder Depth (Outside) 3860 ft. Recorder Number 4332 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert & Jones Rig #8 Drill Collar Length 601 I. D. 2 1/4 in.
 Mud Type - Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.4 Water Loss - cc. Drill Pipe Length 3224 I. D. 3.8 in.
 Chlorides 15,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 409 Anchor Length 27 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout test. Gas to surface in 5 minutes. See attached sheet for gas measurements.

Recovered 195 ft. of gassy mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Read outside chart

Time Set Packer(s)	<u>11:35</u>	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom	<u>3:20</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature	<u>122</u>
Initial Hydrostatic Pressure			(A)	<u>1932</u>		P.S.I.	
Initial Flow Period			Minutes	<u>40</u>	(B)	<u>77</u>	P.S.I. to (C) <u>93</u> P.S.I.
Initial Closed In Period			Minutes	<u>45</u>	(D)	<u>605</u>	P.S.I.
Final Flow Period			Minutes	<u>60</u>	(E)	<u>105</u>	P.S.I. to (F) <u>108</u> P.S.I.
Final Closed In Period			Minutes	<u>96</u>	(G)	<u>603</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>1911</u>		P.S.I.	

GAS FLOW REPORT

Date 10/29/81 Ticket 11870 Company Harris Exploration Company
 Well Name and No. #1 Wineinger Dst No. 1 Interval Tested 3853-3880
 County Kingman State Kansas Sec. 26 Twp. 28S Rg. 6W

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						
	5 Min		3/4" Orifice			Gas to surface
	10 Min	6 PSIG	3/4" Orifice			194,000 C.F.P.D.
	20 Min	7 PSIG	3/4" Orifice			211,000 C.F.P.D.
	30 Min	8 PSIG	3/4" Orifice			227,000 C.F.P.D.

SECOND FLOW						
	10 Min	20 PSIG	1/2" Orifice			177,000 C.F.P.D.
	20 Min	20 PSIG	1/2" Orifice			177,000 C.F.P.D.
	30 Min	22 PSIG	1/2" Orifice			189,000 C.F.P.D.
	40 Min	24 PSIG	1/2" Orifice			200,000 C.F.P.D.
	50 Min	26 PSIG	1/2" Orifice			211,000 C.F.P.D.
	60 Min	26 PSIG	1/2" Orifice			211,000 C.F.P.D.

GAS BOTTLE

Serial No. 112 Date Bottle Filled 10/28/81 Date to be Invoiced 10/29/81

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 1% per month, equal to 12% 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 Harris Exploration Company

Authorized by John W SeFerl

WESTERN TESTING CO., INC.

Pressure Data

Date 10/29/81 Test Ticket No. 11870
 Recorder No. 4332 Capacity 4200 Location 3860 Ft.
 Clock No. - Elevation 1436 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1932</u>	P.S.I.	<u>11:35P</u>	<u>M</u>
B First Initial Flow Pressure	<u>77</u>	P.S.I.	<u>30</u>	<u>40</u> Mins.
C First Final Flow Pressure	<u>93</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>605</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>105</u>	P.S.I.	<u>90</u>	<u>96</u> Mins.
F Second Final Flow Pressure	<u>108</u>	P.S.I.		
G Final Closed-in Pressure	<u>603</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1911</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 8 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 32 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 <u>0</u>	<u>77</u>	<u>0</u>	<u>93</u>	<u>0</u>	<u>105</u>	<u>0</u>	<u>108</u>
P 2 <u>5</u>	<u>77</u>	<u>3</u>	<u>481</u>	<u>5</u>	<u>105</u>	<u>3</u>	<u>437</u>
P 3 <u>10</u>	<u>79</u>	<u>6</u>	<u>536</u>	<u>10</u>	<u>105</u>	<u>6</u>	<u>489</u>
P 4 <u>15</u>	<u>86</u>	<u>9</u>	<u>555</u>	<u>15</u>	<u>105</u>	<u>9</u>	<u>513</u>
P 5 <u>20</u>	<u>89</u>	<u>12</u>	<u>566</u>	<u>20</u>	<u>105</u>	<u>12</u>	<u>526</u>
P 6 <u>25</u>	<u>92</u>	<u>15</u>	<u>574</u>	<u>25</u>	<u>105</u>	<u>15</u>	<u>538</u>
P 7 <u>30</u>	<u>93</u>	<u>18</u>	<u>579</u>	<u>30</u>	<u>108</u>	<u>18</u>	<u>545</u>
P 8 <u>35</u>	<u>93</u>	<u>21</u>	<u>583</u>	<u>35</u>	<u>108</u>	<u>21</u>	<u>549</u>
P 9 <u>40</u>	<u>93</u>	<u>24</u>	<u>587</u>	<u>40</u>	<u>108</u>	<u>24</u>	<u>557</u>
P10		<u>27</u>	<u>591</u>	<u>45</u>	<u>108</u>	<u>27</u>	<u>563</u>
P11		<u>30</u>	<u>594</u>	<u>50</u>	<u>108</u>	<u>30</u>	<u>565</u>
P12		<u>33</u>	<u>597</u>	<u>55</u>	<u>108</u>	<u>33</u>	<u>567</u>
P13		<u>36</u>	<u>600</u>	<u>60</u>	<u>108</u>	<u>36</u>	<u>569</u>
P14		<u>39</u>	<u>602</u>			<u>39</u>	<u>571</u>
P15		<u>42</u>	<u>604</u>			<u>42</u>	<u>573</u>
P16		<u>45</u>	<u>605</u>			<u>45</u>	<u>575</u>
P17						<u>48</u>	<u>577</u>
P18						<u>51</u>	<u>579</u>
P19						<u>54</u>	<u>581</u>
P20						<u>57</u>	<u>583</u>
						<u>60</u>	<u>585</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 10/29/81 Test Ticket No. 11870
 Recorder No. 4332 Capacity 4200 Location 3860 Ft.
 Clock No. - Elevation 1436 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1932</u> P.S.I.	Open Tool	<u>11:35P</u> M	
B First Initial Flow Pressure	<u>77</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>93</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>605</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>105</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>108</u> P.S.I.			
G Final Closed-in Pressure	<u>603</u> P.S.I.			
H Final Hydrostatic Mud	<u>1911</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 8 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 32 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						<u>63</u>	<u>587</u>
P 2						<u>66</u>	<u>589</u>
P 3						<u>69</u>	<u>591</u>
P 4						<u>72</u>	<u>593</u>
P 5						<u>75</u>	<u>595</u>
P 6						<u>78</u>	<u>597</u>
P 7						<u>81</u>	<u>598</u>
P 8						<u>84</u>	<u>599</u>
P 9						<u>87</u>	<u>600</u>
P10						<u>90</u>	<u>601</u>
P11						<u>93</u>	<u>602</u>
P12						<u>96</u>	<u>603</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							