

SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 3/8/78 Ticket No. 4282 Elevation 1913 KB

Total Depth 4035 Tested From 4015 To 4035 Formation Tested Kansas City

Blow Weak to fair blow, slightly decreasing on first opening, Weak starting to build on 2nd opening, decreasing to no blow in 40 min. flushed tool, weak blow 5 minutes and died.

Mud Wt. 9 Viscosity 47 Bottom Hole Temp 114

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" XH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open Hr 30 Min Initial Shut in Time 30 Min Tool Open Hr 60 Min Final Shut in Time 45 Min

Recovery 150' of very slightly oil and gas cut mud

Office Corrected Pressure Reading	
Initial Shut in Pressure	<u>903</u> Lbs
Initial Flow Pressure	<u>96 103</u> Lbs
Final Flow Pressure	<u>133 140</u> Lbs
Final Shut in Pressure	<u>1063</u> Lbs
Initial Hydrostatic Pressure	<u>1788</u> Lbs
Final Hydrostatic Pressure	<u>1773</u> Lbs

Remarks _____

Witnessed By Orvie Howell

Tool Operator R. E Budig

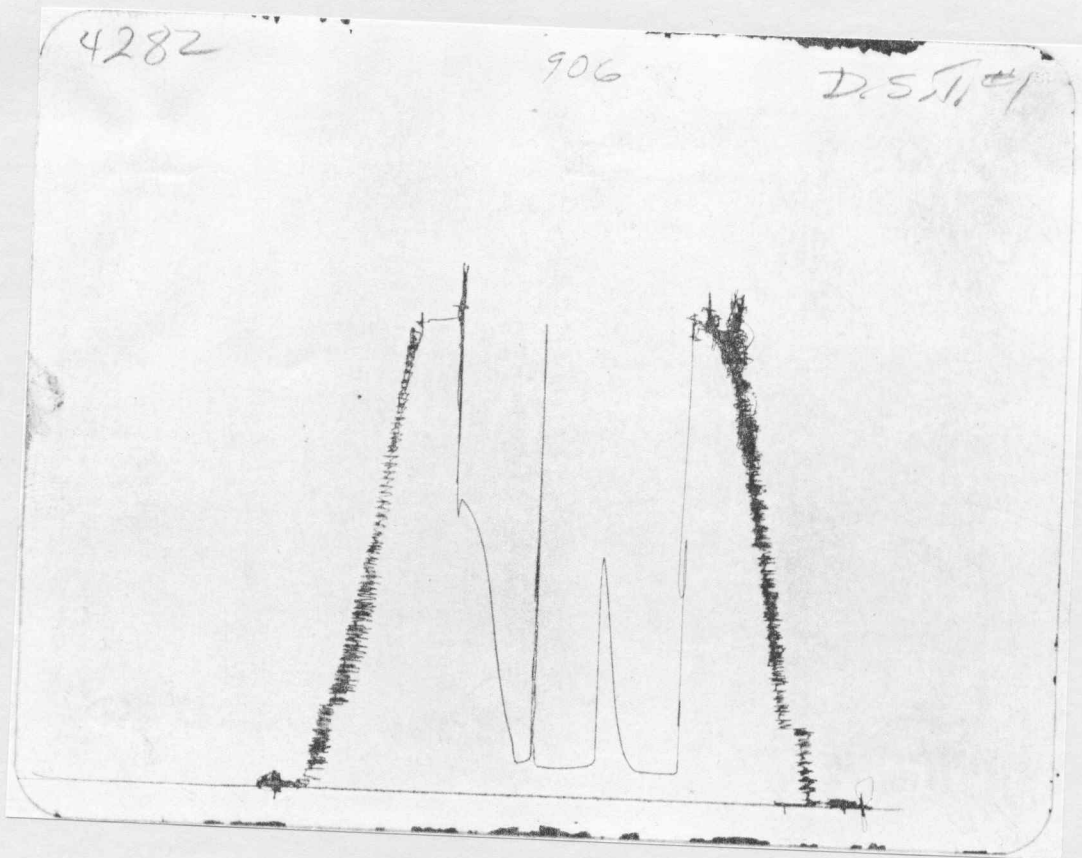
Name of Lease Lambert
 Well No. 1
 Test No. 1
 Company Hinkle Oil Company, Inc.

Location 31-29S-13W
 County Pratt
 State Kansas

4282

906

D.S. 11/01



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 3/10/78 Ticket No. 4283 Elevation 1913 KB

Total Depth 4488 Tested From 4425 To 4488 Formation Tested Mississippi

Blow Strong blow through out test

Mud Wt. 9.1 Viscosity 38 Bottom Hole Temp 118

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" XH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open 60 Hr. 60 Min Initial Shut in Time 60 Min Tool Open 60 Hr. 60 Min Final Shut in Time 60 Min

Recovery 90' of gassy mud

Office Corrected Pressure Reading

Initial Shut in Pressure	<u>1433</u>	Lbs
Initial Flow Pressure	<u>88</u> <u>103</u>	Lbs
Final Flow Pressure	<u>81</u> <u>81</u>	Lbs
Final Shut in Pressure	<u>1375</u>	Lbs
Initial Hydrostatic Pressure	<u>2085</u>	Lbs
Final Hydrostatic Pressure	<u>2071</u>	Lbs

Remarks Gas to surface in 8 minutes, 1st open- 136,000 in 10 min.,
126,000 in 20 min., 114,000 in 30 min., 106,000 in 40 min.,
96,500 in 50 min., all thru 1 1/2" choke on first open and 1" choke
on second open- Second open- 138,000 in 10 min., 108,000 in 20 min.
95,900 in 30 min., 85,100 in 40 min., 81,100 in 60 min. 76,900 in
60 min.

Witnessed By Orive Howell

Tool Operator R. E. Budig

Location 31-29S-13W

Name of Lease

Well No. 1 2

Test No.

County Pratt

State Kansas

Lambert

1

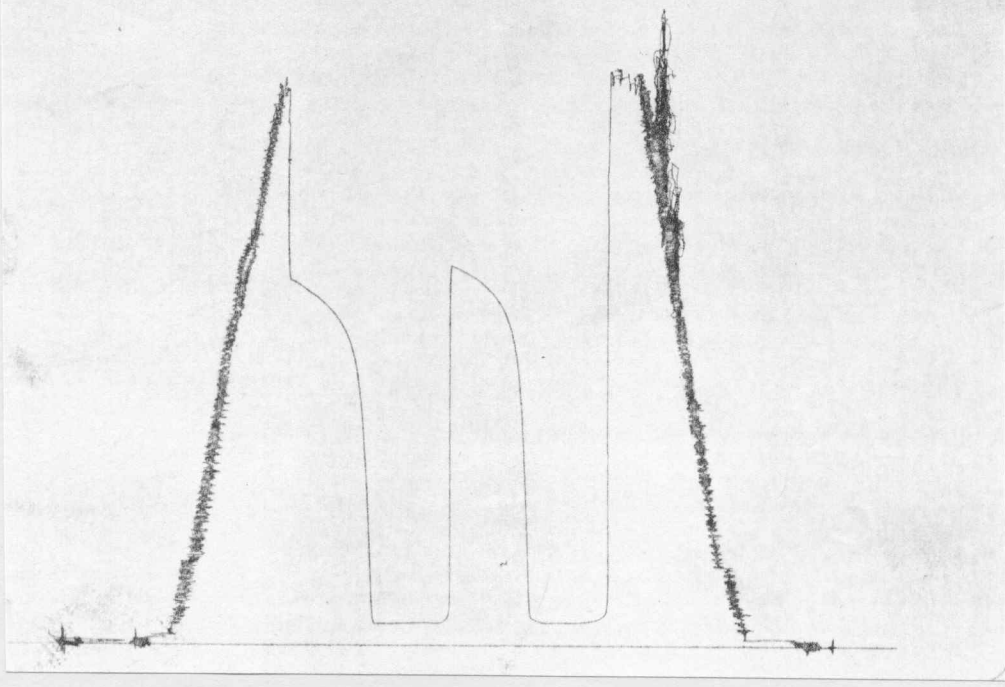
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Hinkle O I Company, Inc.

4283

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906

D.S.T. #2



D.S.T. #2

Cor. HINKLE OIL COMPANY
County PRATT
Location _____
Sec. 31 Twp. 29 Rg. 13^w
Ticket No. 4283

SUPERIOR TESTERS INC.

Pressure Data

Date MARCH 10 1978 Test Ticket No. 4283
Recorder No. 906 Capacity 2900 Location 4483 Ft.
Clock No. _____ Elevation 1913 K.B. Well Temperature 118 °F

Point	Pressure	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2146</u> P.S.I.	Opened Tool	<u>240</u> M	<u>240</u>
B First Initial Flow Pressure	<u>118</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>57</u> Mins.
C First Final Flow Pressure	<u>99</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1427</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>106</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>78</u> P.S.I.			
G Final Closed-in Pressure	<u>1372</u> P.S.I.			
H Final Hydrostatic Mud	<u>2088</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>19</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>21</u> Inc.	
of <u>3</u> mins. and a		of <u>3</u> mins. and a		of <u>3</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</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 = 118</u>	<u>0 = 99</u>	<u>0 = 106</u>	<u>0 = 78</u>			
P 2	<u>3 - 106</u>	<u>3 = 514</u>	<u>3 = 85</u>	<u>3 = 210</u>			
P 3	<u>6 - 99</u>	<u>6 = 835</u>	<u>6 = 78</u>	<u>6 = 588</u>			
P 4	<u>9 - 91</u>	<u>9 = 1021</u>	<u>9 = 78</u>	<u>9 = 835</u>			
P 5	<u>12 - 88</u>	<u>12 = 1128</u>	<u>12 = 78</u>	<u>12 = 994</u>			
P 6	<u>15 - 87</u>	<u>15 = 1192</u>	<u>15 = 78</u>	<u>15 = 1082</u>			
P 7	<u>18 - 85</u>	<u>18 = 1237</u>	<u>18 = 78</u>	<u>18 = 1136</u>			
P 8	<u>21 - 82</u>	<u>21 = 1266</u>	<u>21 = 78</u>	<u>21 = 1173</u>			
P 9	<u>24 - 82</u>	<u>24 = 1291</u>	<u>24 = 78</u>	<u>24 = 1202</u>			
P 10	<u>27 - 81</u>	<u>27 = 1313</u>	<u>27 = 78</u>	<u>27 = 1227</u>			
P 11	<u>30 - 81</u>	<u>30 = 1331</u>	<u>30 = 78</u>	<u>30 = 1247</u>			
P 12	<u>33 - 81</u>	<u>33 = 1346</u>	<u>33 = 78</u>	<u>33 = 1265</u>			
P 13	<u>36 - 81</u>	<u>36 = 1362</u>	<u>36 = 78</u>	<u>36 = 1281</u>			
P 14	<u>39 - 81</u>	<u>39 = 1372</u>	<u>39 = 78</u>	<u>39 = 1295</u>			
P 15	<u>42 - 81</u>	<u>42 = 1384</u>	<u>42 = 78</u>	<u>42 = 1302</u>			
P 16	<u>45 - 81</u>	<u>45 = 1392</u>	<u>45 = 78</u>	<u>45 = 1317</u>			
P 17	<u>48 - 81</u>	<u>48 = 1401</u>	<u>48 = 78</u>	<u>48 = 1326</u>			
P 18	<u>51 - 87</u>	<u>51 = 1410</u>	<u>51 = 78</u>	<u>51 = 1336</u>			
P 19	<u>54 - 91</u>	<u>54 = 1415</u>	<u>54 = 78</u>	<u>54 = 1349</u>			
P 20	<u>57 - 99</u>	<u>57 = 1423</u>	<u>57 = 78</u>	<u>57 = 1357</u>			
	<u>60 - 0</u>	<u>60 = 1427</u>	<u>60</u>	<u>60 = 1368</u>			
				<u>63 = 1372</u>			

SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 3/10/78 Ticket No. 4284 Elevation 1913 KB
 Total Depth 4570 Tested From 4525 To 4570 Formation Tested Violet
 Blow Strong blow through out test
 Mud Wt. 9.1 Viscosity 52 Bottom Hole Temp 113
 Size Bottom Choke 1/2" Size Top Choke 1/2"
 Size Drill Pipe 4 1/2" XH Size Hole 7 7/8" Length Air Chamber - Ft.
 Tool Open 30 Hr. 30 Min Initial Shut in Time 30 Min Tool Open 60 Hr. 30 Min Final Shut in Time 30 Min

Location 31-29S-13W Name of Lease _____ Well No. 1 Test No. 3 Company Hinkle Oil Company, Inc.
 County Pratt State Kansas

Recovery <u>50' of gassy mud</u>	Office Corrected Pressure Reading
	Initial Shut in Pressure <u>1339</u> Lbs
	Initial Flow Pressure <u>66</u> <u>44</u> Lbs
	Final Flow Pressure <u>73</u> <u>44</u> Lbs
	Final Shut in Pressure <u>991</u> Lbs
	Initial Hydrostatic Pressure <u>2223</u> Lbs
	Final Hydrostatic Pressure <u>2186</u> Lbs

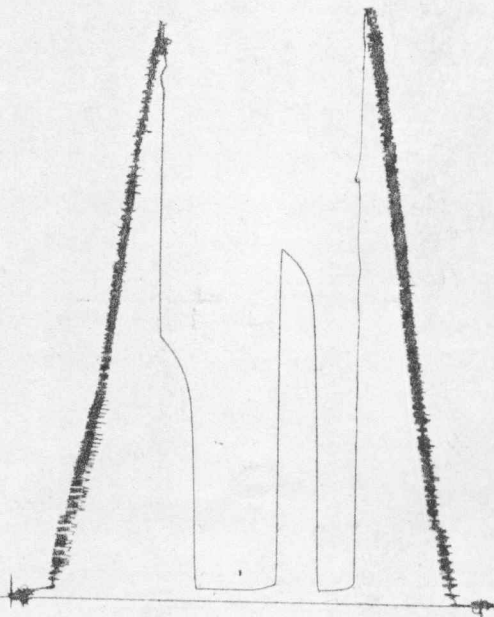
Remarks Gas to surface in 9 min. - 72,600 in 10 min., 67,800 in 20 min., 62,800 in 30 min. on first opening- 81,000 in 10 min., 57,400 in 20 min., 51,300 in 30 min., 44,000 in 40 min., 36,300 in 50 min., 25,600 in 60 min. on second opening

Witnessed By Orive Howell
 Tool Operator R. E. Budig

4284

706

D.S.T. #3



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 3/11/78 Ticket No. 4285 Elevation 1913 KB

Total Depth 4662 Tested From 4636 To 4662 Formation Tested Simpson

Blow Weakblow through out test

Mud Wt. 9.1 Viscosity 64 Bottom Hole Temp 119

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" XH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open 30 Hr 30 Min Initial Shut in Time 30 Min Tool Open 60 Hr 30 Min Final Shut in Time 30 Min

Recovery 65' of mud with a show of
oil on the tool and specks of
oil in mud

Office Corrected Pressure Reading

Initial Shut in Pressure	<u>1143</u>	Lbs
Initial Flow Pressure	<u>73</u>	<u>44</u> Lbs
Final Flow Pressure	<u>51</u>	<u>59</u> Lbs
Final Shut in Pressure	<u>1100</u>	Lbs
Initial Hydrostatic Pressure	<u>2252</u>	Lbs
Final Hydrostatic Pressure	<u>2266</u>	Lbs

Remarks _____

Witnessed By Orvie Howell

Tool Operator R. E Budig

Location 31-29S-13W Name of Lease _____ Well No. _____ Test No. _____ Company Kansas
 County Pratt

Lambert

1

4

Hinkle Oil Company, Inc.

4285

106

D.S.T. # 4

