



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Bowers Drilling Company Lease & Well No. Fitzgerald #A-1
Elevation 1436 Derrick Floor Formation Miss. Ticket Number 6535
Date August 5, 1965 Sec. 30 Twp. 33s Range 11w County Barber State Kansas
Test Approved by Robert E. McCann Western Representative George Tew

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4544' to 4572' Total Depth 4572'
Size Main Hole 7 7/8 Rat Hole none Conv. ☐ B.T. ☒ Damaged Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐
Packer Depth 4544 Ft. Size 6 3/4 Packer Depth 4539 Ft. Size 6 3/4
Straddle Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐
Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 28 Ft. Size 5 1/2 OD
RECORDERS Depth 4564 Ft. Clock No. 5665 Depth 4567 Ft. Clock No. 100
Top Make Kuster Cap. 4200 No. 1558 ~~Inside~~ Outside Bottom Make Western Cap. 4000 No. 59 ~~Inside~~ Outside
Below Straddle: Depth Clock No. ~~Inside~~ Outside Depth Ft. Clock No. ~~Inside~~ Outside
Top Make Cap. No. ~~Inside~~ Outside Bottom Make Cap. No. ~~Inside~~ Outside

Time Set Packer 4:32 A M
Tool Open I.F.P. From 4:35A M to 4:40 M Hr. 5 Min. From (B) 59 P.S.I. To (C) 61 P.S.I.
Tool Closed I.C.I.P. From 4:40A M to 5:10A M Hr. 30 Min. (D) 1518 P.S.I.
Tool Open F.F.P. From 5:10A M to 6:40A M 1 Hr. 30 Min. From (E) 60 P.S.I. To (F) 80 P.S.I.
Tool Closed F.C.I.P. From 6:40A M to 7:10A M Hr. 30 Min. (G) 1378 P.S.I.
Initial Hydrostatic Pressure (A) 2508 P.S.I. Final Hydrostatic Pressure (H) 2489 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION

BLOW Strong. Gas to surface in ten minutes. Too weak to gauge. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 210' total. 30' slightly oil and gas cut mud; 120' oil and gas cut mud; 60' mud cut oil. Mud

Reversed Out ☐ Yes ☒ No Mud Type starch Viscosity 43 Weight 10 Maximum Temp. 115 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 4253 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 271 ft.

I. D. Drill Collars 2.25 in. Length D.S.T. Tool 48 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date August 5, 1965

Test Ticket No. 6535

Recorder No. 1558 Capacity 4200 Location 4564 Ft.

Clock No. 5665 Elevation 1436 Derrick Floor Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2508</u> P.S.I.	Opened Tool	<u>4:32 AM</u>	
B First Initial Flow Pressure	<u>59</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>61</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1518</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>88</u> Mins.
E Second Initial Flow Pressure	<u>60</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>80</u> P.S.I.			
G Final Closed-in Pressure	<u>1378</u> P.S.I.			
H Final Hydrostatic Mud	<u>2489</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown:	<u>1</u> Inc.	Breakdown:	<u>10</u> Inc.	Breakdown:	<u>17</u> Inc.	Breakdown:	<u>9</u> Inc.
of	<u>5</u> mins. and a	of	<u>3</u> mins. and a	of	<u>5</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>3</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>59</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>80</u>
P 2 <u>5</u>	<u>61</u>	<u>3</u>	<u>394</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>371</u>
P 3		<u>6</u>	<u>616</u>	<u>10</u>	<u>60</u>	<u>6</u>	<u>618</u>
P 4		<u>9</u>	<u>832</u>	<u>15</u>	<u>60</u>	<u>9</u>	<u>839</u>
P 5		<u>12</u>	<u>1075</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>1035</u>
P 6		<u>15</u>	<u>1248</u>	<u>25</u>	<u>61</u>	<u>15</u>	<u>1171</u>
P 7		<u>18</u>	<u>1357</u>	<u>30</u>	<u>63</u>	<u>18</u>	<u>1257</u>
P 8		<u>21</u>	<u>1430</u>	<u>35</u>	<u>65</u>	<u>21</u>	<u>1315</u>
P 9		<u>24</u>	<u>1474</u>	<u>40</u>	<u>67</u>	<u>24</u>	<u>1357</u>
P10		<u>27</u>	<u>1502</u>	<u>45</u>	<u>69</u>	<u>27</u>	<u>1378</u>
P11		<u>30</u>	<u>1518</u>	<u>50</u>	<u>70</u>		
P12				<u>55</u>	<u>71</u>		
P13				<u>60</u>	<u>73</u>		
P14				<u>65</u>	<u>75</u>		
P15				<u>70</u>	<u>77</u>		
P16				<u>75</u>	<u>78</u>		
P17				<u>80</u>	<u>78</u>		
P18				<u>85</u>	<u>79</u>		
P19				<u>88</u>	<u>80</u>		
P20							

Bowers Drilling Co.
Fitzgerald #A-1

Test #1
TKT#6535

