



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Robert F. White Lease & Well No. Cauble # 1
Elevation 2060 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 14089
Date 1-10-70 Sec. 22 Twp. 23 Range 16 County Pawnee State Kansas
Test Approved by A1 Stude Western Representative Leon Elmore
Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3638' to 3680' Total Depth 3680'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth 3633 Ft. Size 6 3/4 Packer Depth 3638 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 42 Ft. Size 5 1/2" OD
RECORDERS Depth 3673 Ft. Clock No. 6866 Depth 3678 Ft. Clock No. 8377
Top Make Kuster Cap. 4500 No. 3085 Inside _____ Outside _____ Bottom Make Kuster Cap. 4400 No. 2603 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 9:13A M
Tool Open I.F.P. From 9:14 M. to 9:44A M. Hr. 30 Min. From (B) 65 P.S.I. To (C) 65 P.S.I.
Tool Closed I.C.I.P. From 9:44 M. to 10:14A M. Hr. 30 Min. (D) 1120 P.S.I.
Tool Open F.F.P. From 10:14 M. to 10:44A M. Hr. 30 Min. From (E) 69 P.S.I. To (F) 80 P.S.I.
Tool Closed F.C.I.P. From 10:44 M. to 11:14A M. Hr. 30 Min. (G) 1142 P.S.I.
Initial Hydrostatic Pressure (A) 1891 P.S.I. Final Hydrostatic Pressure (H) 1856 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Strong thru out Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 130 feet gas cut mud = 3155' gas in pipe
Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 39 Weight 9.5 Water Loss 24.1 cc. Maximum Temp. 109 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 3618 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 62 ft.
Remarks Slid 5 feet to bottom

WESTERN TESTING CO., INC. Pressure Data

Date 1-10-70 Test Ticket No. 14089
 Recorder No. 3085 Capacity 4500 Location 3673 Ft.
 Clock No. 6866 Elevation 2060 Kelly Bushing Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1891</u> P.S.I.	Open Tool	<u>9:13A</u> M	
B First Initial Flow Pressure	<u>65</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>65</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1120</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>69</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>80</u> P.S.I.			
G Final Closed-in Pressure	<u>1142</u> P.S.I.			
H Final Hydrostatic Mud	<u>1856</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of Min.

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of Min.

Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of Min.

Final Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>65</u>	<u>0</u>	<u>65</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>80</u>
P 2 <u>5</u>	<u>65</u>	<u>3</u>	<u>183</u>	<u>5</u>	<u>69</u>	<u>4</u>	<u>198</u>
P 3 <u>10</u>	<u>65</u>	<u>6</u>	<u>334</u>	<u>10</u>	<u>71</u>	<u>6</u>	<u>364</u>
P 4 <u>15</u>	<u>65</u>	<u>9</u>	<u>463</u>	<u>15</u>	<u>74</u>	<u>9</u>	<u>537</u>
P 5 <u>20</u>	<u>65</u>	<u>12</u>	<u>585</u>	<u>20</u>	<u>77</u>	<u>12</u>	<u>678</u>
P 6 <u>25</u>	<u>65</u>	<u>15</u>	<u>718</u>	<u>25</u>	<u>78</u>	<u>15</u>	<u>806</u>
P 7 <u>30</u>	<u>65</u>	<u>18</u>	<u>836</u>	<u>30</u>	<u>80</u>	<u>18</u>	<u>917</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>937</u>	<u> </u>	<u> </u>	<u>21</u>	<u>986</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1010</u>	<u> </u>	<u> </u>	<u>24</u>	<u>1054</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1072</u>	<u> </u>	<u> </u>	<u>27</u>	<u>1103</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1120</u>	<u> </u>	<u> </u>	<u>30</u>	<u>1142</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

TKT# 14089-I





Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Robert F. White Lease & Well No. Cauble # 1
Elevation 2060 Belly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 14090
Date 1-10-70 Sec. 22 Twp. 23 Range 16 County Pawnee State Kansas
Test Approved by AJ Stude Western Representative Leon Elmore
Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 3682' to 3700' Total Depth 3700'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged Yes ☒ No Conv. _____ B.T. ☒ Damaged Yes ☒ No
Packer Depth 3677 Ft. Size 6 3/4 Packer Depth 3682 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 18 Ft. Size 5 1/2" OD
RECORDERS Depth 3691 Ft. Clock No. 6866 Depth 3694 Ft. Clock No. 8377
Top Make Kuster Cap. 4500 No. 3085 Inside Bottom Make Kuster Cap. 4400 No. 2603 Inside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside
Time Set Packer 9:41P M
Tool Open I.F.P. From 9:42 M. to 10:12P M. Hr. 30 Min. From (B) 23 P.S.I. To (C) 23 P.S.I.
Tool Closed I.C.I.P. From 10:12 M. to 10:42P M. Hr. 30 Min. (D) 1187 P.S.I.
Tool Open F.F.P. From 10:42 M. to 11:12P M. Hr. 30 Min. From (E) 23 P.S.I. To (F) 23 P.S.I.
Tool Closed F.C.I.P. From 11:12 M. to 11:42P M. Hr. 30 Min. (G) 1157 P.S.I.
Initial Hydrostatic Pressure (A) 1908 P.S.I. Final Hydrostatic Pressure (H) 1896 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak for 30 minutes Bottom Choke Size 3/4 ~~1 1/2~~ In.
Did Well Flow Yes ☒ No _____ Recovery starch 30 feet mud
Reversed Out Yes ☒ No Mud Type starch Viscosity 51 Weight 9.5 Water Loss 11.6 cc. Maximum Temp. 109 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 3662 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 38 ft.
Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date 1-10-70

Test Ticket No. 14090

Recorder No. 3085 Capacity 4500 Location 3691 Ft.

Clock No. 6866 Elevation 2060 Kelly Bushing Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1908</u> P.S.I.	Open Tool	<u>9:41P</u> M	
B First Initial Flow Pressure	<u>23</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>23</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1187</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>23</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>23</u> P.S.I.			
G Final Closed-in Pressure	<u>1157</u> P.S.I.			
H Final Hydrostatic Mud	<u>1896</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of _____ Min.

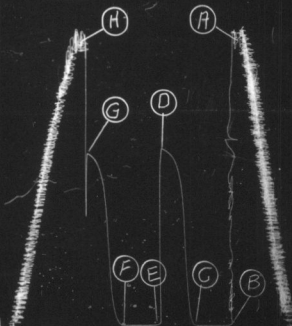
Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of _____ Min.

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of _____ Min.

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>23</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>23</u>
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>47</u>	<u>5</u>	<u>23</u>	<u>3</u>	<u>47</u>
P 3 <u>10</u>	<u>23</u>	<u>6</u>	<u>120</u>	<u>10</u>	<u>23</u>	<u>6</u>	<u>102</u>
P 4 <u>15</u>	<u>23</u>	<u>9</u>	<u>699</u>	<u>15</u>	<u>23</u>	<u>9</u>	<u>321</u>
P 5 <u>20</u>	<u>23</u>	<u>12</u>	<u>961</u>	<u>20</u>	<u>23</u>	<u>12</u>	<u>680</u>
P 6 <u>25</u>	<u>23</u>	<u>15</u>	<u>1073</u>	<u>25</u>	<u>23</u>	<u>15</u>	<u>923</u>
P 7 <u>30</u>	<u>23</u>	<u>18</u>	<u>1129</u>	<u>230</u>	<u>18 23</u>	<u>1036</u>	<u>1036</u>
P 8 _____	_____	<u>21</u>	<u>1158</u>	_____	_____	<u>21</u>	<u>1080</u>
P 9 _____	_____	<u>24</u>	<u>1174</u>	_____	_____	<u>24</u>	<u>1132</u>
P10 _____	_____	<u>27</u>	<u>1184</u>	_____	_____	<u>24</u>	<u>1150</u>
P11 _____	_____	<u>30</u>	<u>1187</u>	_____	_____	<u>30</u>	<u>1157</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TKT# 14090-I





Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Robert F. White Lease & Well No. Cable # 1

Elevation 2060 Derrick Floor Formation Conglomerate Effective Pay _____ Ft. Ticket No. 14033

Date 1-12-70 Sec. 22 Twp. 23 Range 14W County Pawnee State Kansas

Test Approved by Al Stude Western Representative Robert Wynn

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4000' to 4035' Total Depth 4036'

Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No

Packer Depth 3995 Ft. Size 6 3/4 Packer Depth 4000 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" BH Anchor Length 35 Ft. Size 5 1/2" OD

RECORDERS Depth 4027 Ft. Clock No. 6899 Depth 4030 Ft. Clock No. 4964

Top Make Kuster Cap. 4000 No. 3660 Inside _____ Outside _____ Bottom Make Kuster Cap. 4000 No. 3659 Inside _____ Outside _____

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____ Depth _____ Ft. Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Outside _____

Time Set Packer 5:17P M

Tool Open I.F.P. From 5:17 M. to 5:47P M. Hr. 30 Min. From (B) 54 P.S.I. To (C) 44 P.S.I.

Tool Closed I.C.I.P. From 5:47 M. to 6:17P M. Hr. 30 Min. (D) 95 P.S.I.

Tool Open F.F.P. From 6:17 M. to 6:47P M. Hr. 30 Min. From (E) 44 P.S.I. To (F) 44 P.S.I.

Tool Closed F.C.I.P. From 6:47 M. to 7:17P M. Hr. 30 Min. (G) 66 P.S.I.

Initial Hydrostatic Pressure (A) 2160 P.S.I. Final Hydrostatic Pressure (H) 2111 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____ M. _____ M. _____

BLOW Fair to good blow thru out test Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 10 feet mud with specks oil in tool

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 52 Weight 9.7 Water Loss 10.4 cc. Maximum Temp. 113 °F

Type Circ. Sub. plug stxg Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____

Length Drill Pipe 3945 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 90 ft. I.D. Weight Pipe 2.76 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 55 ft.

Remarks _____

WESTERN TESTING CO., INC. Pressure Data

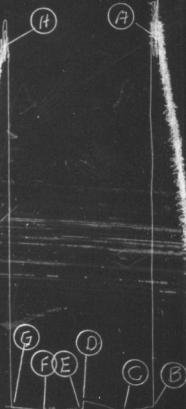
Date 1-12-70 Test Ticket No. 14033
 Recorder No. 3660 Capacity 4000 Location 4027 Ft.
 Clock No. 6899 Elevation 2060 Derrick Floor Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2160</u> P.S.I.	Open Tool	<u>5:17P</u> M	
B First Initial Flow Pressure	<u>54</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>44</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>95</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>44</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>44</u> P.S.I.			
G Final Closed-in Pressure	<u>66</u> P.S.I.			
H Final Hydrostatic Mud	<u>2111</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>54</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>44</u>
P 2 <u>5</u>	<u>56</u>	<u>3</u>	<u>47</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>47</u>
P 3 <u>10</u>	<u>46</u>	<u>6</u>	<u>54</u>	<u>10</u>	<u>44</u>	<u>6</u>	<u>50</u>
P 4 <u>15</u>	<u>44</u>	<u>9</u>	<u>62</u>	<u>15</u>	<u>44</u>	<u>9</u>	<u>52</u>
P 5 <u>20</u>	<u>44</u>	<u>12</u>	<u>67</u>	<u>20</u>	<u>44</u>	<u>12</u>	<u>55</u>
P 6 <u>25</u>	<u>44</u>	<u>15</u>	<u>74</u>	<u>25</u>	<u>44</u>	<u>15</u>	<u>57</u>
P 7 <u>30</u>	<u>44</u>	<u>18</u>	<u>78</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>58</u>
P 8 _____		<u>21</u>	<u>83</u>			<u>21</u>	<u>60</u>
P 9 _____		<u>24</u>	<u>88</u>			<u>24</u>	<u>62</u>
P10 _____		<u>27</u>	<u>91</u>			<u>27</u>	<u>64</u>
P11 _____		<u>30</u>	<u>95</u>			<u>30</u>	<u>66</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TKT#14033-Q





Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Robert F. White Lease & Well No. Cauble # 1

Elevation 2060 Kelly Bushing Formation Simpson Effective Pay _____ Ft. Ticket No. 14034

Date 1-13-70 Sec. 22 Twp. 23 Range 14w County Pawnee State Kansas

Test Approved by Al Stude Western Representative Robert Wynn

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 4060' to 4065' Total Depth 4065'

Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes _____ No ☒ B.T. _____ Damaged _____ Yes _____ No

Packer Depth 4045 Ft. Size 6 3/4 Packer Depth 4050 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-XH Anchor Length 15 Ft. Size 5 1/2" OD

RECORDERS Depth 4058 Ft. Clock No. 6899 Depth 4061 Ft. Clock No. 4964

Top Make Kuster Cap. 4000 No. 3660 Inside _____ Outside _____ Bottom Make Kuster Cap. 4000 No. 3659 Inside _____ Outside _____

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 6:02 M

Tool Open I.F.P. From 6:02-6:07 M. to 6:07-6:40 M. Hr. 30 Min. From (B) 944 P.S.I. To (C) 1018 P.S.I.

Tool Closed I.C.I.P. From 6:40 M. to 7:10 M. Hr. 30 Min. (D) 1298 P.S.I.

Tool Open F.F.P. From 7:10 M. to 7:35 M. Hr. 30 Min. From (E) 973 P.S.I. To (F) 1035 P.S.I.

Tool Closed F.C.I.P. From 7:35 M. to 8:05 M. Hr. 30 Min. (G) 1295 P.S.I.

Initial Hydrostatic Pressure (A) 2110 P.S.I. Final Hydrostatic Pressure (H) 2078 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION 3,690,000 24 lb 6.20 M. dry gas

5,690,000 45 lb 6:40 M. dry gas

5,690,000 45 lb 7:30 M. gas with fine mist of oil

BLOW Gas to surface in 3 minutes-- shut in for 8 minutes on 1st flow-hook up steel line Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 1/2 gallon distillate on top tool

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 52 Weight 9.7 Water Loss 10.4 cc. Maximum Temp. 117 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____

Length Drill Pipe 3975 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 90 ft. I.D. Weight Pipe 2.76 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 35 ft.

Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date 1-13-70 Test Ticket No. 14034
 Recorder No. 3660 Capacity 4000 Location 4058 Ft.
 Clock No. 6899 Elevation 2060 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2110</u>	P.S.I.	<u>6:02</u>	M
B First Initial Flow Pressure	<u>944</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>1018</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1298</u>	P.S.I.	<u>25</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>963</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>1035</u>	P.S.I.		
G Final Closed-in Pressure	<u>1295</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2078</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>944</u>	<u>0</u>	<u>1018</u>	<u>0</u>	<u>973</u>	<u>0</u>	<u>1035</u>
P 2 <u>5</u>	<u>956</u>	<u>3</u>	<u>1275</u>	<u>5</u>	<u>997</u>	<u>3</u>	<u>1273</u>
P 3 <u>10</u>	<u>1514</u>	<u>6</u>	<u>1284</u>	<u>10</u>	<u>1026</u>	<u>6</u>	<u>1283</u>
P 4 <u>15</u>	<u>963</u>	<u>9</u>	<u>1289</u>	<u>15</u>	<u>1032</u>	<u>9</u>	<u>1285</u>
P 5 <u>20</u>	<u>1907</u>	<u>12</u>	<u>1291</u>	<u>20</u>	<u>1035</u>	<u>12</u>	<u>1288</u>
P 6 <u>25</u>	<u>1018</u>	<u>15</u>	<u>1294</u>	<u>25</u>	<u>1035</u>	<u>15</u>	<u>1288</u>
P 7 <u>30</u>	<u>1018</u>	<u>18</u>	<u>1295</u>			<u>18</u>	<u>1289</u>
P 8 _____		<u>21</u>	<u>1296</u>			<u>21</u>	<u>1290</u>
P 9 _____		<u>24</u>	<u>1297</u>			<u>24</u>	<u>1292</u>
P10 _____		<u>27</u>	<u>1297</u>			<u>27</u>	<u>1294</u>
P11 _____		<u>30</u>	<u>1298</u>			<u>30</u>	<u>1295</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TKT# 14034-0



3659