



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company M. D. Spain Lease & Well No. Foust #1
Elevation 1282 Ground Level Formation Fort Scott Effective Pay - Ft. Ticket No. 22580
Date 10-21-77 Sec. 7 Twp. 31S Range 6E County Cowley State Kansas
Test Approved by Michael D. Spain Western Representative Tim Wilson
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 2533' to 2576' Total Depth 2576'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 2528 Ft. Size 6 3/4 Bottom Packer Depth 2533 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 43 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2541 Ft. Clock No. 9102 Depth 2144 Ft. Clock No. 9727
Top Make Kuster Cap. 3150 No. 1562 Inside ☐ Outside ☒ Bottom Make Kuster Cap. 3200 No. 1561 Inside ☐ Outside ☒
Below Straddle: Depth - Rec. No. - Clock No. - Inside ☐ Outside ☒ Depth - Ft. Rec. No. - Clock No. - Inside ☐ Outside ☒
Time Set Packer 8:03A M
Tool Open I.F.P. From 8:05A M. to 8:35A M. - Hr. 30 Min. From (B) 38 P.S.I. To (C) 21 P.S.I.
Tool Closed I.C.I.P. From 8:35 M. to 9:05 M. - Hr. 30 Min (D) 25 P.S.I.
Tool Open F.F.P. From 9:05 M. to 9:35 M. - Hr. 30 Min. From (E) 23 P.S.I. To (F) 20 P.S.I.
Tool Closed F.C.I.P. From 9:35 M. to 10:05 M. - Hr. 30 Min. (G) 20 P.S.I.
Initial Hydrostatic Pressure (A) 1311 P.S.I. Final Hydrostatic Pressure (H) 1301 P.S.I. Maximum Temp. 108

INFORMATION

BLOW Very weak, dead in 14 minutes.

Did Well Flow - Yes ☒ No ☐ Recovery Total Ft. 5' drilling mud

Reversed Out - Yes ☒ No ☐ Mud Type Chem Viscosity 52 Weight 9.8 Water Loss 9.6 cc. Chlorides 1900 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Smitherman #1 Length Drill Pipe 2387 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 125 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 64 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-21-77 Test Ticket No. 22580
 Recorder No. 1562 Capacity 3150 Location 2541 Ft.
 Clock No. 9102 Elevation 1283 Ground Level Well Temperature 108 °F

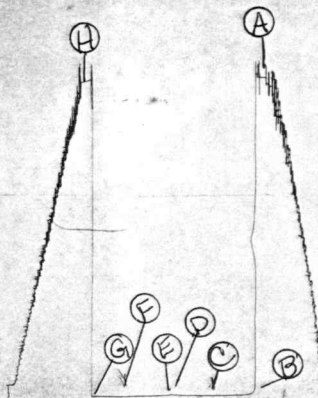
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1311</u> P.S.I.	Open Tool	<u>8:03A</u> M	
B First Initial Flow Pressure	<u>38</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>21</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>25</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>20</u> P.S.I.			
G Final Closed-in Pressure	<u>20</u> P.S.I.			
H Final Hydrostatic Mud	<u>1301</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 <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</u>	<u>38</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>20</u>
P 2 <u>5</u>	<u>24</u>	<u>3</u>	<u>21</u>	<u>5</u>	<u>20</u>	<u>3</u>	<u>20</u>
P 3 <u>10</u>	<u>22</u>	<u>6</u>	<u>21</u>	<u>10</u>	<u>20</u>	<u>6</u>	<u>20</u>
P 4 <u>15</u>	<u>21</u>	<u>9</u>	<u>21</u>	<u>15</u>	<u>20</u>	<u>9</u>	<u>20</u>
P 5 <u>20</u>	<u>21</u>	<u>12</u>	<u>21</u>	<u>20</u>	<u>20</u>	<u>12</u>	<u>20</u>
P 6 <u>25</u>	<u>21</u>	<u>15</u>	<u>21</u>	<u>25</u>	<u>20</u>	<u>15</u>	<u>20</u>
P 7 <u>30</u>	<u>21</u>	<u>18</u>	<u>21</u>	<u>30</u>	<u>20</u>	<u>18</u>	<u>20</u>
P 8		<u>21</u>	<u>22</u>			<u>21</u>	<u>20</u>
P 9		<u>24</u>	<u>23</u>			<u>24</u>	<u>20</u>
P10		<u>27</u>	<u>24</u>			<u>27</u>	<u>20</u>
P11		<u>30</u>	<u>25</u>			<u>30</u>	<u>20</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK4# 22580

I.





Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company M. D. Spain Lease & Well No. Foust #1
Elevation 1283 Ground Level Formation Bartlesville Effective Pay - Ft. Ticket No. 22581
Date 10-22-77 Sec. 7 Twp. 34S Range 6E County Cowley State Kansas
Test Approved by Michael D. Spain Western Representative Tim Wilson
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 2785' to 2838' Total Depth 2838'
Size Main Hole 7-7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 2780 Ft. Size 6-3/4 Bottom Packer Depth 2785 Ft. Size 6-3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 53 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2793 Ft. Clock No. 9102 Depth 2796 Ft. Clock No. 9727
Top Make Kuster Cap. 3150 No. 1562 ~~Inside~~ Bottom Make Kuster Cap. 3200 No. 1561 ~~Inside~~
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ~~Inside~~ Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ~~Inside~~
Time Set Packer 5:33 AM
Tool Open I.F.P. From 5:35 AM. to 6:05 AM. - Hr. 30 Min. From (B) 42 P.S.I. To (C) 39 P.S.I.
Tool Closed I.C.I.P. From 6:05 AM. to 7:50 AM. - Hr. 45 Min (D) 80 P.S.I.
Tool Open F.F.P. From 7:50 AM. to 8:50 AM. - Hr. 60 Min. From (E) 59 P.S.I. To (F) 50 P.S.I.
Tool Closed F.C.I.P. From 8:50 AM. to 9:50 AM. - Hr. 60 Min. (G) 75 P.S.I.
Initial Hydrostatic Pressure (A) 1481 P.S.I. Final Hydrostatic Pressure (H) 1468 P.S.I. Maximum Temp. 115

INFORMATION

BLOW Very weak throughout initial flow period. Dead at beginning of Final Flow Period.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 60 ft. Drilling Mud.

Reversed Out ☐ Yes ☒ No Mud Type Chem. Viscosity 49 Weight 94 Water Loss 9.6 cc. Chlorides 1900 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size ☐ In. Make ☐ Ser. No. ☐

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? ☐

DRILLING CONTRACTOR Smitherman #1 Length Drill Pipe? 2639 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars 125 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 74 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-22-77 Test Ticket No. 22581
 Recorder No. 1562 Capacity 3150 Location 2793 Ft.
 Clock No. 9102 Elevation 1283 Grounf Level Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1481 P.S.I.	Open Tool	5:33 A M	
B First Initial Flow Pressure	42 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	39 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	80 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	59 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	50 P.S.I.			
G Final Closed-in Pressure	75 P.S.I.			
H Final Hydrostatic Mud	1468 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>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>	42	0	39	0	59	0	50
P 2 <u>5</u>	31	3	40	5	46	3	51
P 3 <u>10</u>	33	6	46	10	46	6	54
P 4 <u>15</u>	34	9	51	15	46	9	57
P 5 <u>20</u>	35	12	56	20	46	12	59
P 6 <u>25</u>	37	15	59	25	46	15	61
P 7 <u>30</u>	39	18	62	30	46	18	63
P 8		21	66	35	48	21	65
P 9		24	68	40	49	24	66
P10		27	72	45	49	27	67
P11		30	73	50	49	30	69
P12		33	74	55	49	33	70
P13		36	77	60	50	36	71
P14		39	78			39	72
P15		42	78			42	72
P16		45	80			45	73
P17						48	73
P18						51	74
P19						54	74
P20						57	75
						60	75

TR# 23581
I.

