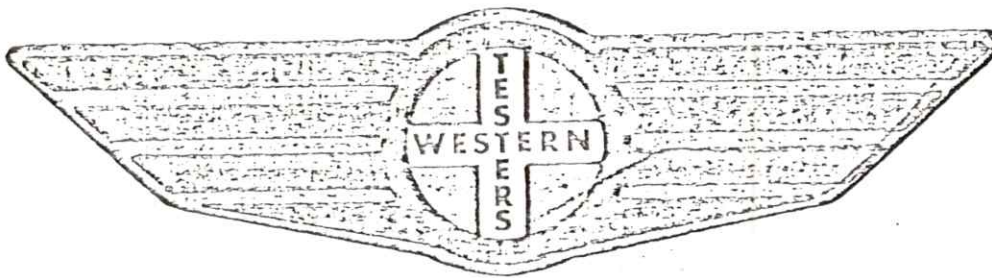


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PATRICK PETROLEUM CORP. Lease and Well No. #35-16 ARMBRUSTER Sec. 35 Twp. 12S Rge. 23W Test No. 1 Date 12/31/83

WESTERN TESTING CO., INC.
SUBSURFACE PRESSURE SURVEY

DATE: 12/31/83
CUSTOMER: PATRICK PETROLEUM CORP.
WELL: 35-16 TEST: 1
ELEVATION (KB): 2350 FORMATION: LOWER KANSAS CITY
SECTION: 35 TOWNSHIP: 12S
RANGE: 23W COUNTY: TREGO STATE: KANSAS
GAUGE SN #6233 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 3780 FT TO: 3845 FT TOTAL DEPTH: 3845 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3775 FT SIZE: 6 3/4 IN PACKER DEPTH: 3780 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BIG SPRINGS #2
MUD TYPE: STARCH VISCOSITY: 36
WEIGHT: 9.3 WATER LOSS (CC): 12
CHLORIDES (P.P.M.): 35000
JARS - MAKE: WTC SERIAL NUMBER: 414
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 473 FT I.D.: 3.2 IN
DRILL PIPE LENGTH: 3279 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 28 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 65 FT SIZE: 5 1/2 O.D. IN
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 X.H. IN

BLOW: INITIAL FLOW PERIOD - WEAK INCREASING BLOW
TO 3" IN WATER.
FINAL FLOW PERIOD - WEAK STEADY BLOW - 1/2" IN
WATER.

RECOVERED: 240 FT OF: MUDDY WATER 90% WATER; 10% MUD
RECOVERED: FT OF: CHLORIDES 84000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:45 A.M. TIME STARTED OFF BOTTOM: 8:45 A.M.
WELL TEMPERATURE: 113 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2112 PSI
INITIAL FLOW PERIOD MIN: 45 (B) 61 PSI TO (C) 100 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1258 PSI
FINAL FLOW PERIOD MIN: 45 (E) 122 PSI TO (F) 154 PSI
FINAL CLOSED IN PERIOD MIN: 45 (G) 1230 PSI
FINAL HYDROSTATIC PRESSURE (H) 2102 PSI



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 2171

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 2345 GL. Formation L-KC Eff. Pay Ft.

District 14 Wakeney Date 12-31-81 Customer Order No.
COMPANY NAME Patrick Petroleum Corp.
ADDRESS Suite 710, 1600 Stout St. Denver Colo. 80202
LEASE AND WELL NO. Ambassador #1 COUNTY Ingo STATE Ka. Sec. 35 Twp. 12 Rge. 23 W
Mail Invoice To Same #35-16 ARMBRUSTER No. Copies Requested Reg
Co. Name Same Address No. Copies Requested Reg
Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. Interval Tested From 3780 ft. to 3845 ft. Total Depth 3845 ft.
Packer Depth 3775 ft. Size 63/4 in. Packer Depth ft. Size in.
Packer Depth 3780 ft. Size 63/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 3797 ft. Recorder Number 6233 Cap. 4,000
Bottom Recorder Depth (Outside) 3800 ft. Recorder Number 13400 Cap. 3,950
Below Saddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Big Springs Rig #2 Drill Collar Length I. D. in.
Mud Type Starch Viscosity 36 Weight Pipe Length 473 I. D. 3.2 in.
Weight 9.3 Water Loss 12 cc. Drill Pipe Length 3279 I. D. 3.8 in.
Chlorides 35,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 00 in.
Jars: Make Western Serial Number 414 Anchor Length 65 ft. Size 5 1/2 00 in.
Did Well Flow? no Reversed Out no Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 X-H in.

Flow: IFP - Weak increasing blow to 3" in water
FFP - Weak steady blow - 1/2" in water
Recovered 240 ft. of muddy water 90% water 10% mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides 84,000 P.P.M. Sample Jars used 1 Remarks:

Time On Location 12:30 A.M. Time Pick Up Tool 3:00 P.M. Time Off Location 10:30 P.M.
Time Set Packer(s) 4:45 A.M. Time Started Off Bottom 8:45 P.M. Maximum Temperature 113
Initial Hydrostatic Pressure (A) 2117 P.S.I.
Initial Flow Period Minutes 45 (B) 50 P.S.I. to (C) 101 P.S.I.
Initial Closed In Period Minutes 45 (D) 1253 P.S.I.
Final Flow Period Minutes 45 (E) 111 P.S.I. to (F) 152 P.S.I.
Final Closed In Period Minutes 45 (G) 1224 P.S.I.
Final Hydrostatic Pressure (H) 2097 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By David P. Williams
Signature of Customer or his authorized representative

Western Representative Mike Schubert

Thank You!

FIELD INVOICE

Open Hole Test \$ 1550.00
Misrun \$
Straddle Test \$
Jars \$ 300.00
Selective Zone \$
Safety Joint \$ 65.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 915.00

WESTERN TESTING CO., INC.

Pressure Data

Date 12-31 Test Ticket No. 2171
 Recorder No. 6233 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2112</u> P.S.I.		<u>M</u>
B First Initial Flow Pressure	<u>61</u> P.S.I.		
C First Final Flow Pressure	<u>100</u> P.S.I.		
D Initial Closed-in Pressure	<u>1258</u> P.S.I.		
E Second Initial Flow Pressure	<u>122</u> P.S.I.		
F Second Final Flow Pressure	<u>154</u> P.S.I.		
G Final Closed-in Pressure	<u>1230</u> P.S.I.		
H Final Hydrostatic Mud	<u>2102</u> P.S.I.		

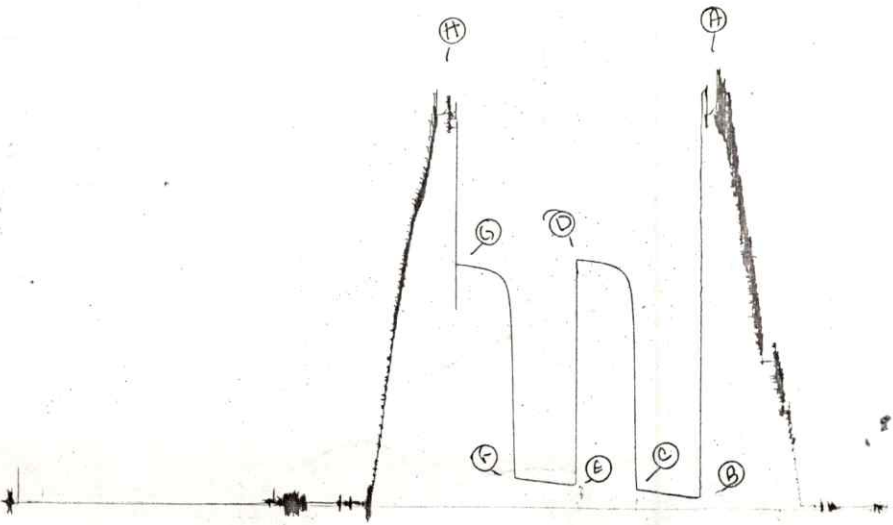
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>10</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>16</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>61</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>122</u>	<u>0</u>	<u>154</u>
P 2	<u>62</u>	<u>3</u>	<u>695</u>	<u>5</u>	<u>122</u>	<u>3</u>	<u>592</u>
P 3	<u>65</u>	<u>6</u>	<u>1073</u>	<u>10</u>	<u>125</u>	<u>6</u>	<u>1000</u>
P 4	<u>73</u>	<u>9</u>	<u>1162</u>	<u>15</u>	<u>128</u>	<u>9</u>	<u>1125</u>
P 5	<u>76</u>	<u>12</u>	<u>1192</u>	<u>20</u>	<u>133</u>	<u>12</u>	<u>1163</u>
P 6	<u>78</u>	<u>15</u>	<u>1212</u>	<u>25</u>	<u>139</u>	<u>15</u>	<u>1183</u>
P 7	<u>84</u>	<u>18</u>	<u>1223</u>	<u>30</u>	<u>141</u>	<u>18</u>	<u>1194</u>
P 8	<u>91</u>	<u>21</u>	<u>1230</u>	<u>35</u>	<u>146</u>	<u>21</u>	<u>1202</u>
P 9	<u>97</u>	<u>24</u>	<u>1238</u>	<u>40</u>	<u>150</u>	<u>24</u>	<u>1208</u>
P 10	<u>100</u>	<u>27</u>	<u>1243</u>	<u>45</u>	<u>154</u>	<u>27</u>	<u>1213</u>
P 11		<u>30</u>	<u>1246</u>	<u>50</u>		<u>30</u>	<u>1217</u>
P 12		<u>33</u>	<u>1249</u>	<u>55</u>		<u>33</u>	<u>1221</u>
P 13		<u>36</u>	<u>1252</u>	<u>60</u>		<u>36</u>	<u>1225</u>
P 14		<u>39</u>	<u>1254</u>	<u>65</u>		<u>39</u>	<u>1227</u>
P 15		<u>42</u>	<u>1256</u>	<u>70</u>		<u>42</u>	<u>1229</u>
P 16		<u>45</u>	<u>1258</u>	<u>75</u>		<u>45</u>	<u>1230</u>
P 17		<u>48</u>		<u>80</u>		<u>48</u>	
P 18		<u>51</u>		<u>85</u>		<u>51</u>	
P 19		<u>54</u>		<u>90</u>		<u>54</u>	
P 20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

6233

TK# 217!

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13400

TK# 2171

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