



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Energy Exploration, Inc. Lease & Well No. Harley #2
Elevation 1743 Ground Level Formation Lansing Effective Pay ---- Ft. Ticker No. 6096
Date 5/18/80 Sec 7 Twp 23S Range 9W County Reno State Kansas
Test Approved by Curtis E. Corey Western Representative Stuart Stover
Formation Test No. 1 Interval Tested from 3262 ft. to 3285 ft. Total Depth 3285 ft.
Packer Depth 3257 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3262 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3265 ft. Recorder Number 11018 Cap 4425
Bottom Recorder Depth (Outside) 3268 ft. Recorder Number 11019 Cap 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap -
Drilling Contractor H-30, Drilling, Rig #7 Drill Collar Length - I. D. - in.
Mud Type starch Viscosity 38 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 11.0 cc. Drill Pipe Length 3239 I. D. 4.0 in.
Chlorides 45,000 PPM. Test Tool Length 23 ft. Tool Size 3 1/2 in.
Jars: Make -- Serial Number - Anchor Length 23 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Good throughout test.

Blow: _____
Recovered 180 ft. of gas and oil cut mud
Recovered 240 ft. of heavy gas and oil cut watery mud
Recovered 240 ft. of heavy gas and oil cut water
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: Top: 5% oil, 50% gas, 10% water; 35% mud; Middle: 10% oil; 55% gas; 35% water
Bottom: 20% oil; 68% water; 12% mud.

Time Set Packer(s) 9:00 A.M. Time Started Off Bottom 11:00 A.M. Maximum Temperature 102°
Initial Hydrostatic Pressure (A) 1676 P.S.I.
Initial Flow Period Minutes 30 (B) 144 P.S.I. to (C) 260 P.S.I.
Initial Closed In Period Minutes 33 (D) 1430 P.S.I.
Final Flow Period Minutes 30 (E) 327 P.S.I. to (F) 389 P.S.I.
Final Closed In Period Minutes 33 (G) 1284 P.S.I.
Final Hydrostatic Pressure (H) 1643 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/18/80 Test Ticket No. 6096
 Recorder No. 11018 Capacity 4425 Location 3265 Ft.
 Clock No. - Elevation 1743 Ground Level Well Temperature 102 °F

Point	Pressure	Time Given	Time Computed
A. Initial Hydrostatic Mud	1676 P.S.I.	9:00 A	M
B First Initial Flow Pressure	144 P.S.I.	30 Mins	30 Mins
C First Final Flow Pressure	260 P.S.I.	30 Mins	33 Mins
D Initial Closed-in Pressure	1430 P.S.I.	30 Mins	30 Mins
E Second Initial Flow Pressure	327 P.S.I.	30 Mins	33 Mins
F Second Final Flow Pressure	389 P.S.I.		
G Final Closed-in Pressure	1284 P.S.I.		
H Final Hydrostatic Mud	1643 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>11</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>144</u>	<u>0</u>	<u>260</u>	<u>0</u>	<u>327</u>	<u>0</u>	<u>389</u>
P 2 <u>5</u>	<u>144</u>	<u>3</u>	<u>739</u>	<u>5</u>	<u>327</u>	<u>3</u>	<u>708</u>
P 3 <u>10</u>	<u>164</u>	<u>6</u>	<u>1143</u>	<u>10</u>	<u>328</u>	<u>6</u>	<u>962</u>
P 4 <u>15</u>	<u>193</u>	<u>9</u>	<u>1258</u>	<u>15</u>	<u>353</u>	<u>9</u>	<u>1044</u>
P 5 <u>20</u>	<u>220</u>	<u>12</u>	<u>1313</u>	<u>20</u>	<u>361</u>	<u>12</u>	<u>1104</u>
P 6 <u>25</u>	<u>247</u>	<u>15</u>	<u>1348</u>	<u>25</u>	<u>378</u>	<u>15</u>	<u>1143</u>
P 7 <u>30</u>	<u>260</u>	<u>18</u>	<u>1370</u>	<u>30</u>	<u>389</u>	<u>18</u>	<u>1169</u>
P 8		<u>21</u>	<u>1385</u>			<u>21</u>	<u>1195</u>
P 9		<u>24</u>	<u>1403</u>			<u>24</u>	<u>1221</u>
P10		<u>27</u>	<u>1412</u>			<u>27</u>	<u>1247</u>
P11		<u>30</u>	<u>1423</u>			<u>30</u>	<u>1273</u>
P12		<u>33</u>	<u>1430</u>			<u>33</u>	<u>1284</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							