

ORIGINAL



Ricketts Testing

Company JAY BOY OIL, INC. Lease & Well No. HAY #1

Elevation 1921 K.B. Formation SIMPSON Effective Pay _____ ft. Ticket No. 1355

Date 1-8-90 Sec. 36 Twp. 28 Range 1W County SEDGWICK State KANSAS

Test Approved by JAY ABLAH Ricketts Representative JIM RICKETTS

Formation Test No. 1 Interval Tested from 3550 ft. to 3630 ft. Total Depth 3630 ft.

Packer Depth 3550 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3547 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3555 ft. Recorder Number 13307 Cap. 4650

Bottom Recorder Depth (Outside) 3627 ft. Recorder Number 13306 Cap. 4625

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Allen Drilling Rig #2 Drill Collar Length _____ in.

Mud Type Starch Viscosity 50 Weight Pipe Length _____ in.

Weight 9.5 Water Loss 8.0 cc. Drill Pipe Length 3530 in.

Chlorides 26,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 80 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No 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 in.

Blow: Very weak blow Initial Flow Period. Died in 20 minutes.

No blow Final Flow Period.

Recovered 25 ft. of Mud.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 6:40 ~~AXX~~ P.M. Time Started Off Bottom 8:48 ~~XXX~~ P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure (A) 1876 P.S.I.

Initial Flow Period Minutes 40 (B) 75 P.S.I. to

(C) 75 P.S.I.

Initial Closed In Period Minutes 30 (D) 1219 P.S.I.

Final Flow Period Minutes 30 (E) 75 P.S.I. to

(F) 75 P.S.I.

Final Closed In Period Minutes 27 (G) 1115 P.S.I.

Final Hydrostatic Pressure (H) 1843 P.S.I.

RELEASED

MAR 25 1991

FROM CONFIDENTIAL

ORIGINAL

RICKETTS TESTING

Pressure Data

Date 1-8-90 Test Ticket No. 1355
 Recorder No. 13307 Capacity 4650 Location 3555 Ft.
 Clock No. 1921 K.B. Elevation 110 Well Temperature 110 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1876</u> P.S.I.	Open Tool	6:40 P M	
B First Initial Flow Pressure <u>75</u> P.S.I.	First Flow Pressure	38 Mins.	40 Mins.
C First Final Flow Pressure <u>75</u> P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure <u>1219</u> P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure <u>75</u> P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure <u>75</u> P.S.I.			
G Final Closed-in Pressure <u>1115</u> P.S.I.			
H Final Hydrostatic Mud <u>1843</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>8</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</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> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	75	0	75	0	75	0	75
P 2 5	75	3	115	5	75	3	99
P 3 10	75	6	317	10	75	6	243
P 4 15	75	9	482	15	75	9	389
P 5 20	75	12	659	20	75	12	561
P 6 25	75	15	791	25	75	15	682
P 7 30	75	18	916	30	75	18	807
P 8 35	75	21	1023	35		21	919
P 9 40	75	24	1113	40		24	1020
P 10 45		27	1184	45		27	1115
P 11 50		30	1219	50		30	
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14 65		39		65		39	
P 15 70		42		70		42	
P 16 75		45		75		45	
P 17 80		48		80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57				57	
		60				60	

ORIGINAL


Ricketts
Testing

Company JAY BOY OIL, INC. Lease & Well No. HAY #1

Elevation 1921 K.B. Formation SIMPSON SAND Effective Pay _____ ft. Ticket No. 1356

Date 1-9-90 Sec. 36 Twp. 28 Range 1W County SEDGWICK State KANSAS

Test Approved by K. GREENWOOD Ricketts Representative JIM RICKETTS

Formation Test No. 2 Interval Tested from 3550 ft. to 3650 ft. Total Depth 3650 ft.

Packer Depth 3550 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3547 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3555 ft. Recorder Number 13307 Cap. 4650

Bottom Recorder Depth (Outside) 3647 ft. Recorder Number 13306 Cap. 4625

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Allen Drilling Rig #2 Drill Collar Length _____ I.D. _____ in.

Mud Type Starch Viscosity 50 Weight Pipe Length _____ I.D. _____ in.

Weight 9.5 Water Loss 8.0 cc. Drill Pipe Length 3530 I.D. 3.25 in.

Chlorides 26,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 100 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out NO 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 in.

 Blow: Weak blow building to 2" in water Initial Flow Period.
Very weak blow Final Flow Period. 1/8" in water.

 Recovered 5 ft. of Slightly oil cut mud. 3% Oil

 Recovered 60 ft. of Very slightly oil cut mud. Less than 1% oil.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

FROM CONFIDENTIAL

Time Set Packer (s) 7:54 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 10:54 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 117°

Initial Hydrostatic Pressure _____ (A) 1902 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 62 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period _____ Minutes 57 (D) 1503 P.S.I.

Final Flow Period _____ Minutes 30 (E) 88 P.S.I. to (F) 88 P.S.I.

Final Closed In Period _____ Minutes 57 (G) 1442 P.S.I.

Final Hydrostatic Pressure _____ (H) 1877 P.S.I.

ORIGINAL

RICKETTS TESTING Pressure Data

Date 1-9-90 Recorder No. 13307 Capacity 4650 Test Ticket No. 1356
 Clock No. 1921 K.B. Location 3555 Ft. Well Temperature 117 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1902 P.S.I. Open Tool 7:54 A M
 B First Initial Flow Pressure 62 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 62 P.S.I. Initial Closed-in Pressure 60 Mins. 57 Mins.
 D Initial Closed-in Pressure 1503 P.S.I. Second Flow Pressure 30 Mins. 30 Mins.
 E Second Initial Flow Pressure 88 P.S.I. Final Closed-in Pressure 60 Mins. 57 Mins.
 F Second Final Flow Pressure 88 P.S.I.
 G Final Closed-in Pressure 1442 P.S.I.
 H Final Hydrostatic Mud 1877 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>19</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> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>62</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>88</u>
P 2 <u>5</u>	<u>62</u>	<u>3</u>	<u>180</u>	<u>5</u>	<u>88</u>	<u>3</u>	<u>187</u>
P 3 <u>10</u>	<u>62</u>	<u>6</u>	<u>196</u>	<u>10</u>	<u>88</u>	<u>6</u>	<u>668</u>
P 4 <u>15</u>	<u>62</u>	<u>9</u>	<u>986</u>	<u>15</u>	<u>88</u>	<u>9</u>	<u>932</u>
P 5 <u>20</u>	<u>62</u>	<u>12</u>	<u>1113</u>	<u>20</u>	<u>88</u>	<u>12</u>	<u>1080</u>
P 6 <u>25</u>	<u>62</u>	<u>15</u>	<u>1203</u>	<u>25</u>	<u>88</u>	<u>15</u>	<u>1168</u>
P 7 <u>30</u>	<u>62</u>	<u>18</u>	<u>1260</u>	<u>30</u>	<u>88</u>	<u>18</u>	<u>1224</u>
P 8 <u>35</u>		<u>21</u>	<u>1304</u>	<u>35</u>		<u>21</u>	<u>1270</u>
P 9 <u>40</u>		<u>24</u>	<u>1334</u>	<u>40</u>		<u>24</u>	<u>1302</u>
P10 <u>45</u>		<u>27</u>	<u>1364</u>	<u>45</u>		<u>27</u>	<u>1327</u>
P11 <u>50</u>		<u>30</u>	<u>1385</u>	<u>50</u>		<u>30</u>	<u>1348</u>
P12 <u>55</u>		<u>33</u>	<u>1406</u>	<u>55</u>		<u>33</u>	<u>1366</u>
P13 <u>60</u>		<u>36</u>	<u>1424</u>	<u>60</u>		<u>36</u>	<u>1383</u>
P14 <u>65</u>		<u>39</u>	<u>1440</u>	<u>65</u>		<u>39</u>	<u>1394</u>
P15 <u>70</u>		<u>42</u>	<u>1451</u>	<u>70</u>		<u>42</u>	<u>1403</u>
P16 <u>75</u>		<u>45</u>	<u>1465</u>	<u>75</u>		<u>45</u>	<u>1409</u>
P17 <u>80</u>		<u>48</u>	<u>1474</u>	<u>80</u>		<u>48</u>	<u>1417</u>
P18 <u>85</u>		<u>51</u>	<u>1484</u>	<u>85</u>		<u>51</u>	<u>1426</u>
P19 <u>90</u>		<u>54</u>	<u>1493</u>	<u>90</u>		<u>54</u>	<u>1433</u>
P20 <u>95</u>		<u>57</u>	<u>1503</u>			<u>57</u>	<u>1442</u>
		<u>60</u>				<u>60</u>	

ORIGINAL



Ricketts Testing

Company JAY BOY OIL, INC. Lease & Well No. HAY #1

Elevation 1921 K.B. Formation SIMPSON SAND Effective Pay _____ ft. Ticket No. 1357

Date 1-9-90 Sec. 36 Twp. 28 Range 1W County SEDGWICK State KANSAS

Test Approved by K. GREENWOOD Ricketts Representative JIM RICKETTS

Formation Test No. 3 Interval Tested from 3660 ft. to 3675 ft. Total Depth 3675 ft.

Packer Depth 3660 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3657 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3665 ft. Recorder Number 13307 Cap. 4650

Bottom Recorder Depth (Outside) 3668 ft. Recorder Number 13306 Cap. 4625

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Allen Drilling Rig #2 Drill Collar Length _____ in.

Mud Type Starch Viscosity 48 Weight Pipe Length _____ in.

Weight 9.5 Water Loss 8.0 cc. Drill Pipe Length 3640 in.

Chlorides 26,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 15 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No 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 in.

Blow: Weak blow Initial Flow Period. 1/2" in water

Very weak blow Final Flow Period. 1/8" in water.

Recovered 50 ft. of Water, cut mud.

Recovered _____ ft. of RELEASED

Recovered _____ ft. of 12 5 1991

Recovered _____ ft. of FROM CONFIDENTIAL

Remarks: _____

Time Set Packer (s) 8:08 ~~XXXX~~ P.M. Time Started Off Bottom 11:08 ~~XXX~~ P.M. Maximum Temperature 121°

Initial Hydrostatic Pressure _____ (A) 1903 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 51 P.S.I. to

(C) 51 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 1364 P.S.I.

Final Flow Period _____ Minutes 30 (E) 74 P.S.I. to

(F) 74 P.S.I.

Final Closed In Period _____ Minutes 57 (G) 1333 P.S.I.

Final Hydrostatic Pressure _____ (H) 1892 P.S.I.

ORIGINAL

RICKETTS TESTING Pressure Data

Date 1-9-90 Test Ticket No. 1357
 Recorder No. 13307 Capacity 4650 Location 3665 Ft.
 Clock No. Elevation 1921 K.B. Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1903</u> P.S.I.	Open Tool	<u>8:08</u> P M	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins
C First Final Flow Pressure	<u>51</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins	<u>60</u> Mins
D Initial Closed-in Pressure	<u>1364</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> Mins
E Second Initial Flow Pressure	<u>74</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins	<u>57</u> Mins
F Second Final Flow Pressure	<u>74</u> P.S.I.			
G Final Closed-in Pressure	<u>1333</u> P.S.I.			
H Final Hydrostatic Mud	<u>1892</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Final Shut-In Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>51</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>74</u>	<u>0</u>	<u>51</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>847</u>	<u>5</u>	<u>74</u>	<u>3</u>	<u>782</u>
P 3 <u>10</u>	<u>51</u>	<u>6</u>	<u>1067</u>	<u>10</u>	<u>74</u>	<u>6</u>	<u>1000</u>
P 4 <u>15</u>	<u>51</u>	<u>9</u>	<u>1134</u>	<u>15</u>	<u>74</u>	<u>9</u>	<u>1092</u>
P 5 <u>20</u>	<u>51</u>	<u>12</u>	<u>1166</u>	<u>20</u>	<u>74</u>	<u>12</u>	<u>1141</u>
P 6 <u>25</u>	<u>51</u>	<u>15</u>	<u>1212</u>	<u>25</u>	<u>74</u>	<u>15</u>	<u>1177</u>
P 7 <u>30</u>	<u>51</u>	<u>18</u>	<u>1237</u>	<u>30</u>	<u>74</u>	<u>18</u>	<u>1207</u>
P 8 <u>35</u>		<u>21</u>	<u>1256</u>	<u>35</u>		<u>21</u>	<u>1224</u>
P 9 <u>40</u>		<u>24</u>	<u>1272</u>	<u>40</u>		<u>24</u>	<u>1242</u>
P10 <u>45</u>		<u>27</u>	<u>1284</u>	<u>45</u>		<u>27</u>	<u>1254</u>
P11 <u>50</u>		<u>30</u>	<u>1295</u>	<u>50</u>		<u>30</u>	<u>1265</u>
P12 <u>55</u>		<u>33</u>	<u>1304</u>	<u>55</u>		<u>33</u>	<u>1277</u>
P13 <u>60</u>		<u>36</u>	<u>1313</u>	<u>60</u>		<u>36</u>	<u>1286</u>
P14 <u>65</u>		<u>39</u>	<u>1323</u>	<u>65</u>		<u>39</u>	<u>1295</u>
P15 <u>70</u>		<u>42</u>	<u>1332</u>	<u>70</u>		<u>42</u>	<u>1300</u>
P16 <u>75</u>		<u>45</u>	<u>1337</u>	<u>75</u>		<u>45</u>	<u>1307</u>
P17 <u>80</u>		<u>48</u>	<u>1343</u>	<u>80</u>		<u>48</u>	<u>1316</u>
P18 <u>85</u>		<u>51</u>	<u>1350</u>	<u>85</u>		<u>51</u>	<u>1323</u>
P19 <u>90</u>		<u>54</u>	<u>1356</u>	<u>90</u>		<u>54</u>	<u>1327</u>
P20 <u>95</u>		<u>57</u>	<u>1360</u>			<u>57</u>	<u>1333</u>
		<u>60</u>	<u>1364</u>			<u>60</u>	