

DIAMOND TESTING

P. O. Box 157

HOISINGTON, KANSAS 67544

(316) 653-7550

Company Central Energy Corporation Lease and Well No. Williamson "A" No. 1

Elevation 1851 KB Formation Lansing/Kansas City Ticket No. J482

Date 12-27-88 Sec. 34 Twp. 21S Range 12W County Stafford State Kansas

Tests Approved by Jon T. Williams, Jr. Diamond Representative John Riedl

Formation Test No. 1 Interval Tested from 3,452 Ft. to 3,480 Ft. Total Depth 3,480 Ft.

Packer Depth 3,447 Ft. Size 6 3/4 In. Packer Depth _____ Ft. Size _____ In.

Packer Depth 3,452 ft. Size 6 3/4 In. Packer Depth _____ ft. Size _____ In.

Depth of Selective Zone Set _____

Top Recorder Depth(Inside) 3,439 ft. Recorder Number 13616 Cap. 4,550 psi

Bottom Recorder Depth(Outside) 3,477 ft. Recorder Number 13387 Cap. 3,900 psi

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

Drilling Contractor Duke Drilling Co., Inc. - Rig 1 Drill Collar Length _____ I.D. 2 1/2 In.

Mud Type Starch Viscosity 48 Weight Pipe Length 945 ft. I.D. 2 7/8 In.

Weight 9.6 Water Loss 10.2 cc. Drill Pipe Length 2,479 ft. I.D. 3 1/2 In.

Chlorides 53,000 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2-FH In.

Jars: Make Bowen Serial Number 2 Anchor Length 28 ft. Size 4 1/2-FH In.

Did Well Flow No Reversed Out NO Surface Choke Size 1 In. Bottom Choke Size 5/8 In.

Main Hole Size 7 7/8 In. Tool Joint Size 4 1/2 In.

Blow: 1st Open: Weak blow. 2 1/2 ins. decreasing to 1/2 in. by end of period.
2nd Open: No blow.

Recovered 65 ft. of drilling mud = .481 bbls.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 12:20 ^{A.M.} ~~P.M.~~ Time Started Off Bottom 3:20 ^{A.M.} ~~P.M.~~ Maximum Temperature 108 °

Initial Hydrostatic Pressure (A) 1802 P.S.I.

Initial Flow Period Minutes 30 (B) 50 P.S.I. to (C) 52 P.S.I.

Initial Closed In Period Minutes 60 (D) 1009 P.S.I.

Final Flow Period Minutes 30 (E) 76 P.S.I. to (F) 56 P.S.I.

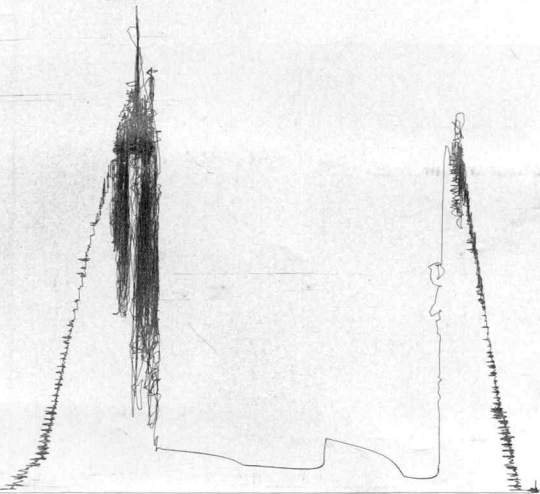
Final Closed In Period Minutes 60 (G) 210 P.S.I.

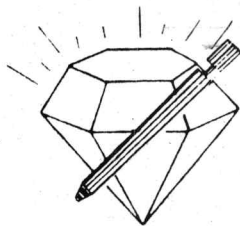
Final Hydrostatic Pressure (H) 1772 P.S.I.

RET #13616 INSIDE
LOC 3634'

DST #2 TIKOT 20483

12 Hr-CLOCK #3057





DIAMOND TESTING

P. O. Box 157

HOISINGTON, KANSAS 67544

(316) 653-7550

Company Central Energy Corporation Lease and Well No. Williamson "A" No. 1
 Elevation 1851 KB Formation Arbuckle Effective Pay _____ Ft. Ticket No. J483
 Date 12-29-88 Sec. 34 Twp. 21S Range 12W County Stafford State Kansas
 Tests Approved by Chas. Gant Diamond Representative John Riedl

Formation Test No. 2 Interval Tested from 3,637 Ft. to 3,642 Ft. Total Depth 3,642 Ft.
 Packer Depth 3,632 Ft. Size 6 3/4 In. Packer Depth _____ Ft. Size _____ In.
 Packer Depth 3,637 ft. Size 6 3/4 In. Packer Depth _____ ft. Size _____ In.
 Depth of Selective Zone Set 3,638 ft.

Top Recorder Depth(Inside) _____ 3,634 ft. Recorder Number 13616 Cap. 4,550 psi
 Bottom Recorder Depth(Outside) _____ 3,639 ft. Recorder Number 13387 Cap. 3,900 psi
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Duke Drilling, Inc. - Rig 1 Drill Collar Length _____ I.D. _____ 2 1/2 In.
 Mud Type Starch Viscosity _____ 47 Weight Pipe Length _____ 945 ft. I.D. _____ 2 7/8 In.
 Weight _____ 9.8 Water Loss _____ 12.0 cc. Drill Pipe Length _____ 2,664 ft. I.D. _____ 3 1/2 In.
 Chlorides _____ 53,000 P.P.M. Test Tool Length _____ 28 ft. Tool Size _____ 3 1/2-FH In.
 Jars: Make Bowen Serial Number _____ -- Anchor Length _____ 5 ft. Size _____ 4 1/2-FH In.
 Did Well Flow No Reversed Out NO Surface Choke Size _____ 1 In. Bottom Choke Size _____ 5/8 In.
 Main Hole Size _____ 7 7/8 In. Tool Joint Size _____ 4 1/2 In.

Blow: 1st Open: Strong blow. Off bottom of bucket in 1 min.
2nd Open: Strong blow. Off bottom of bucket in 14 mins.

Recovered 1,700 ft. of gas in pipe
 Recovered 350 ft. of gassy slightly mud cut oil = 2.59 bbls. (Gravity: 34°)
 Recovered 350 ft. of TOTAL FLUID = 2.59 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 3:45 ~~P.M.~~ ^{AM} Time Started Off Bottom _____ 7:15 ~~P.M.~~ ^{AM} Maximum Temperature _____ 110°
 Initial Hydrostatic Pressure (A) _____ 1940 P.S.I.
 Initial Flow Period Minutes _____ 30 (B) _____ 77 P.S.I. to (C) _____ 91 P.S.I.
 Initial Closed In Period Minutes _____ 60 (D) _____ 298 P.S.I.
 Final Flow Period Minutes _____ 60 (E) _____ 123 P.S.I. to (F) _____ 143 P.S.I.
 Final Closed In Period Minutes _____ 60 (G) _____ 242 P.S.I.
 Final Hydrostatic Pressure (H) _____ 1906 P.S.I.

Pressure Data

Date 12-29-88 Test Ticket No. J483
 Recorder No. 13616 Capacity 4,550 psi Location 3,634 Ft.
 Clock No. 13057 Elevation 1851 KB Well Temperature 110 °F

A Initial Hydrostatic Mud	<u>1933 P.S.I.</u>	Open Tool	<u>Given</u>	<u>Actual</u>
B First Initial Flow Pressure	<u>83 P.S.I.</u>	First Flow Pressure	<u>30 Mins.</u>	<u>30 Mins.</u>
C First Final Flow Pressure	<u>96 P.S.I.</u>	Initial Closed-in Pressure	<u>60 Mins.</u>	<u>60 Mins.</u>
D Initial Closed-in Pressure	<u>309 P.S.I.</u>	Second Flow Pressure	<u>60 Mins.</u>	<u>61 Mins.</u>
E Second Initial Flow Pressure	<u>140 P.S.I.</u>	Final Closed-in Pressure	<u>60 Mins.</u>	<u>62 Mins.</u>
F Second Final Flow Pressure	<u>161 P.S.I.</u>			
G Final Closed-in Pressure	<u>250 P.S.I.</u>			
H Final Hydrostatic Mud	<u>1902 P.S.I.</u>			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>10</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>20</u> Inc.		
of <u>3</u> mins. and a		of <u>3</u> mins. and a		of <u>3</u> mins. and a		of <u>3</u> mins. and a		
final inc. of <u>30</u> Min.		final inc. of <u>60</u> Min.		final inc. of <u>60</u> Min.		final inc. of <u>60</u> Min.		
Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>0</u>	<u>115</u>	<u>0</u>	<u>95</u>	<u>0</u>	<u>168</u>	<u>0</u>	<u>160</u>
P 2	<u>3</u>	<u>93</u>	<u>3</u>	<u>123</u>	<u>3</u>	<u>151</u>	<u>3</u>	<u>172</u>
P 3	<u>6</u>	<u>89</u>	<u>6</u>	<u>156</u>	<u>6</u>	<u>145</u>	<u>6</u>	<u>183</u>
P 4	<u>9</u>	<u>84</u>	<u>9</u>	<u>178</u>	<u>9</u>	<u>141</u>	<u>9</u>	<u>193</u>
P 5	<u>12</u>	<u>85</u>	<u>12</u>	<u>198</u>	<u>12</u>	<u>140</u>	<u>12</u>	<u>201</u>
P 6	<u>15</u>	<u>85</u>	<u>15</u>	<u>208</u>	<u>15</u>	<u>140</u>	<u>15</u>	<u>205</u>
P 7	<u>18</u>	<u>86</u>	<u>18</u>	<u>221</u>	<u>18</u>	<u>140</u>	<u>18</u>	<u>210</u>
P 8	<u>21</u>	<u>90</u>	<u>21</u>	<u>229</u>	<u>21</u>	<u>140</u>	<u>21</u>	<u>216</u>
P 9	<u>24</u>	<u>93</u>	<u>24</u>	<u>238</u>	<u>24</u>	<u>142</u>	<u>24</u>	<u>220</u>
P10	<u>27</u>	<u>95</u>	<u>27</u>	<u>245</u>	<u>27</u>	<u>143</u>	<u>27</u>	<u>223</u>
P11	<u>30</u>	<u>95</u>	<u>30</u>	<u>250</u>	<u>30</u>	<u>146</u>	<u>30</u>	<u>227</u>
P12			<u>33</u>	<u>258</u>	<u>33</u>	<u>146</u>	<u>33</u>	<u>230</u>
P13			<u>36</u>	<u>267</u>	<u>36</u>	<u>148</u>	<u>36</u>	<u>232</u>
P14			<u>39</u>	<u>274</u>	<u>39</u>	<u>150</u>	<u>39</u>	<u>235</u>
P15			<u>42</u>	<u>280</u>	<u>42</u>	<u>151</u>	<u>42</u>	<u>238</u>
P16			<u>45</u>	<u>284</u>	<u>45</u>	<u>153</u>	<u>45</u>	<u>239</u>
P17			<u>48</u>	<u>291</u>	<u>48</u>	<u>156</u>	<u>48</u>	<u>241</u>
P18			<u>51</u>	<u>296</u>	<u>51</u>	<u>156</u>	<u>51</u>	<u>243</u>
P19			<u>54</u>	<u>302</u>	<u>54</u>	<u>157</u>	<u>54</u>	<u>245</u>
P20			<u>57</u>	<u>305</u>	<u>57</u>	<u>159</u>	<u>57</u>	<u>247</u>
			<u>60</u>	<u>309</u>	<u>60</u>	<u>161</u>	<u>60</u>	<u>250</u>

REC #1366 INSIDR

LOC 3439²

DST # 1 TICKET 20482

1211-0005 (13052)

