



P. O. BOX 1599 PHONE (316) 838-0601  
WICHITA, KANSAS 67201

Company Neal Jameson Lease & Well No. Dudgeon #1  
 Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 510  
 Date 8-9-78 Sec. 7 Twp. 32S Range 5W County Cowley State Kansas  
 Test Approved by George R. McNeish Western Representative Jim Wondra  
 Formation Test No. 2 Interval Tested from 3473 ft. to 3488 ft. Total Depth 3488 ft.  
 Packer Depth - ft. Size - in. Packer Depth 969 ft. Size 4150 in.  
 Packer Depth - ft. Size - in. Packer Depth 2603 ft. Size 4400 in.  
 Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3478 ft. Recorder Number 969 Cap. 4150  
 Bottom Recorder Depth (Outside) 3481 ft. Recorder Number 2603 Cap. 4400  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
 Drilling Contractor White & Ellis (#4) Drill Collar Length 122 I. D. 2 1/4 in.  
 Mud Type Chemical Viscosity 47 Weight Pipe Length - I. D. - in.  
 Weight 9.1 Water Loss 10.4 cc. Drill Pipe Length 3335 I. D. 3.8 in.  
 Chlorides 700 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.  
 Jars: Make - Serial Number - Anchor Length 15 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in.

Blow: Weak to a strong blow on initial flow period. Strong blow throughout final flow period.

- Recovered 1425 ft. of gas in pipe
- Recovered 25 ft. of gassy oil
- Recovered 120 ft. of heavy oil and gas cut mud.
- Recovered 540 ft. of salt water (chlorides checked: 43,000 P.P.M.)
- Recovered          ft. of

Remarks:         

Time Set Packer(s) 12:30 ~~AM~~ P.M. Time Started Off Bottom 3:00 ~~AM~~ P.M. Maximum Temperature 131  
 Initial Hydrostatic Pressure ..... (A) 1724 P.S.I.  
 Initial Flow Period ..... Minutes 15 (B) 27 P.S.I. to (C) 115 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 1357 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 178 P.S.I. to (F) 375 P.S.I.  
 Final Closed In Period ..... Minutes 45 (G) 1361 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1692 P.S.I.

# WESTERN TESTING CO., INC.

## Pressure Data

Date 8-9-78 Test Ticket No. 510  
 Recorder No. 969 Capacity 4150 Location 3478 Ft.  
 Clock No. - Elevation - Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1724</u>	P.S.I.	<u>12:30P.</u>	<u>M</u>
B. First Initial Flow Pressure	<u>27</u>	P.S.I.	<u>15</u>	<u>15</u> Mins.
C. First Final Flow Pressure	<u>115</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
D. Initial Closed-in Pressure	<u>1357</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E. Second Initial Flow Pressure	<u>178</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
F. Second Final Flow Pressure	<u>375</u>	P.S.I.		
G. Final Closed-in Pressure	<u>1361</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>1692</u>	P.S.I.		

### PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>15</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>27</u>	<u>0</u>	<u>115</u>	<u>0</u>	<u>178</u>	<u>0</u>	<u>375</u>
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>395</u>	<u>5</u>	<u>164</u>	<u>3</u>	<u>1009</u>
P 3 <u>10</u>	<u>92</u>	<u>6</u>	<u>1084</u>	<u>10</u>	<u>176</u>	<u>6</u>	<u>1262</u>
P 4 <u>15</u>	<u>115</u>	<u>9</u>	<u>1284</u>	<u>15</u>	<u>200</u>	<u>9</u>	<u>1304</u>
P 5		<u>12</u>	<u>1318</u>	<u>20</u>	<u>219</u>	<u>12</u>	<u>1323</u>
P 6		<u>15</u>	<u>1332</u>	<u>25</u>	<u>242</u>	<u>15</u>	<u>1335</u>
P 7		<u>18</u>	<u>1341</u>	<u>30</u>	<u>262</u>	<u>18</u>	<u>1341</u>
P 8		<u>21</u>	<u>1348</u>	<u>35</u>	<u>281</u>	<u>21</u>	<u>1347</u>
P 9		<u>24</u>	<u>1352</u>	<u>40</u>	<u>299</u>	<u>24</u>	<u>1350</u>
P10		<u>27</u>	<u>1354</u>	<u>45</u>	<u>323</u>	<u>27</u>	<u>1354</u>
P11		<u>30</u>	<u>1357</u>	<u>50</u>	<u>338</u>	<u>30</u>	<u>1356</u>
P12				<u>55</u>	<u>359</u>	<u>33</u>	<u>1357</u>
P13				<u>60</u>	<u>375</u>	<u>36</u>	<u>1358</u>
P14						<u>39</u>	<u>1359</u>
P15						<u>42</u>	<u>1360</u>
P16						<u>45</u>	<u>1361</u>
P17							
P18							
P19							
P20							

TK#510

I.

