



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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 7195

Elevation 2562 KB Formation Marmaton Eff. Pay ✓ Ft.

District Wg. Keegan Date 11-13-80 Customer Order No. ✓
COMPANY NAME Pickrell Drilling Company
ADDRESS Suite 205, Litwin Bldg. Wichita, Ks 67202
LEASE AND WELL NO. McFadden #2-D COUNTY Clark STATE Ks Sec. 4 Twp. 31S Rge. 24W
Mail Invoice To Same No. Copies Requested 5
Co. Name _____ Address _____
Mail Charts To _____ No. Copies Requested 5
Address _____

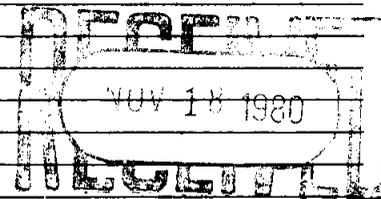
Formation Test No. 2 Interval Tested from 5214 ft. to 5283 ft. Total Depth 5283 ft.
Packer Depth 5214 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 5209 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5253 ft. Recorder Number 1049 Cap. 3500
Bottom Recorder Depth (Outside) 5250 ft. Recorder Number 1134 Cap. 4500
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Pickrell Drilling Drill Collar Length 210' I. D. 2.25 in.
Mud Type Drill Sol Viscosity 45 Weight Pipe Length _____ I. D. 3.75 in.
Weight 9.1 Water Loss 16.4 cc. Drill Pipe Length 4976' I. D. 3.8 in.
Chlorides 23,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
Jars: Make Western Serial Number 1103 Anchor Length 69 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 H-90 in.

Blow: Fair Blow Thru/out Both Operations Flow Period

Recovered 30 ft. of Slightly Oil & Gas cut Watery Mud
Recovered 60 ft. of Water cut Mud
Recovered 390 ft. of Muddy Salt Water
Recovered 60 ft. of Drilling Mud
Remarks: 540 Total Fluid



Acc. 11:30 12:00
Time Set Packer(s) 2:05 AM Time Started Off Bottom 6:35 AM Maximum Temperature 114°
Initial Hydrostatic Pressure (A) 2672 P.S.I.
Initial Flow Period Minutes 30 (B) 73 P.S.I. to (C) 147 P.S.I.
Initial Closed In Period Minutes 60 (D) 1747 P.S.I.
Final Flow Period Minutes 90 (E) 174 P.S.I. to (F) 302 P.S.I.
Final Closed In Period Minutes 90 (G) 1701 P.S.I.
Final Hydrostatic Pressure (H) 2599 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 Thomas Funk
Signature of Customer or his authorized representative

Western Representative Steve Mitchell

FIELD INVOICE

Open Hole Test \$ 650.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ 300.00
Selective Zone \$ _____
Safety Joint \$ 50.00
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ 97.50
Mileage \$ 1130 mi.
Fluid Sampler \$ _____
Extra Charts \$ _____
TOTAL \$ 1097.50

WESTERN TESTING CO., INC.

Pressure Data

Date 11-13

Test Ticket No. 7195

Recorder No. 1049

Capacity 3500

Location 5253 Ft.

Clock No. _____

Elevation 2562 KB

Well Temperature 114 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>2681</u>	P.S.I.
B First Initial Flow Pressure	<u>79</u>	P.S.I.
C First Final Flow Pressure	<u>156</u>	P.S.I.
D Initial Closed-in Pressure	<u>1751</u>	P.S.I.
E Second Initial Flow Pressure	<u>178</u>	P.S.I.
F Second Final Flow Pressure	<u>299</u>	P.S.I.
G Final Closed-in Pressure	<u>1700</u>	P.S.I.
H Final Hydrostatic Mud	<u>2573</u>	P.S.I.

	Time Given	Time Computed
Open Tool	<u>2:05 A.M.</u>	
First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
Second Flow Pressure	<u>90</u> Mins.	<u>95</u> Mins.
Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 19 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>79</u>	0	<u>156</u>	0	<u>178</u>	0	<u>299</u>
P 2	<u>92</u>	3	<u>824</u>	5	<u>185</u>	3	<u>969</u>
P 3	<u>112</u>	6	<u>1252</u>	10	<u>185</u>	6	<u>1232</u>
P 4	<u>125</u>	9	<u>1418</u>	15	<u>190</u>	9	<u>1350</u>
P 5	<u>130</u>	12	<u>1500</u>	20	<u>198</u>	12	<u>1420</u>
P 6	<u>143</u>	15	<u>1555</u>	25	<u>205</u>	15	<u>1465</u>
P 7	<u>156</u>	18	<u>1590</u>	30	<u>207</u>	18	<u>1493</u>
P 8		21	<u>1617</u>	35	<u>211</u>	21	<u>1520</u>
P 9		24	<u>1641</u>	40	<u>220</u>	24	<u>1540</u>
P10		27	<u>1658</u>	45	<u>229</u>	27	<u>1557</u>
P11		30	<u>1672</u>	50	<u>236</u>	30	<u>1571</u>
P12		33	<u>1683</u>	55	<u>244</u>	33	<u>1584</u>
P13		36	<u>1694</u>	60	<u>251</u>	36	<u>1595</u>
P14		39	<u>1703</u>	65	<u>256</u>	39	<u>1606</u>
P15		42	<u>1711</u>	70	<u>264</u>	42	<u>1617</u>
P16		45	<u>1718</u>	75	<u>269</u>	45	<u>1626</u>
P17		48	<u>1725</u>	80	<u>275</u>	48	<u>1636</u>
P18		51	<u>1731</u>	85	<u>282</u>	51	<u>1641</u>
P19		54	<u>1734</u>	90	<u>289</u>	54	<u>1648</u>
P20		57	<u>1742</u>	95	<u>299</u>	57	<u>1654</u>
		60	<u>1745</u>	100		60	<u>1661</u>
		63	<u>1751</u>				

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 7195

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____ P.S.I.		Open Tool _____ M.		
B First Initial Flow Pressure _____ P.S.I.		First Flow Pressure _____ Mins. _____ Mins.		
C First Final Flow Pressure _____ P.S.I.		Initial Closed-in Pressure _____ Mins. _____ Mins.		
D Initial Closed-in Pressure _____ P.S.I.		Second Flow Pressure _____ Mins. _____ Mins.		
E Second Initial Flow Pressure _____ P.S.I.		Final Closed-in Pressure _____ Mins. _____ Mins.		
F Second Final Flow Pressure _____ P.S.I.				
G Final Closed-in Pressure _____ P.S.I.				
H Final Hydrostatic Mud _____ P.S.I.				

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Point Minutes	Point Minutes
P 1		63		63
P 2		66		66
P 3		69		69
P 4		72		72
P 5		75		75
P 6		78		78
P 7		81		81
P 8		84		84
P 9		87		87
P10		90		90
P11		93		93
P12		96		96
P13		99		99
P14		102		102
P15		105		105
P16		108		108
P17		111		111
P18		114		114
P19		117		117
P20		120		120
				Press.
				1665
				1670
				1672
				1678
				1680
				1685
				1689
				1692
				1696
				1700

Company Pickrell Drilling Company Lease & Well No. McFadden "D"#2
 Elevation 2562 Kelly Bushing Formation Marmaton Effective Pay -- Ft. Ticket No. 7195
 Date 11/13/80 Sec. 4 Twp. 31S Range 24W County Clark State Kansas
 Test Approved by Thomas Funk Western Representative Steve Michellich

Formation Test No. 2 Interval Tested from 5214 ft. to 4283 ft. Total Depth 5283 ft.
 Packer Depth 5214 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5209 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5253 ft. Recorder Number 1049 Cap. 3500
 Bottom Recorder Depth (Outside) 5250 ft. Recorder Number 1134 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 210 I. D. 2.25 in.
 Mud Type drispac Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss 16.4 cc. Drill Pipe Length 4976 I. D. 3.8 in.
 Chlorides 23,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 403 Anchor Length 69 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 H-90 in.

Blow: Fair blow throughout both flow periods.

Recovered 30 ft. of slightly oil and gas cut watery mud
 Recovered 60 ft. of water cut mud
 Recovered 390 ft. of muddy salt water
 Recovered 60 ft. of drilling mud
 Recovered 540 ft. of total fluid

Remarks: _____

Time Set Packer(s) 2:05 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 6:35 ~~P.M.~~ ^{A.M.} Maximum Temperature 114 °C
 Initial Hydrostatic Pressure (A) 2681 P.S.I.
 Initial Flow Period Minutes 30 (B) 79 P.S.I. to (C) 156 P.S.I.
 Initial Closed In Period Minutes 63 (D) 1751 P.S.I.
 Final Flow Period Minutes 95 (E) 178 P.S.I. to (F) 299 P.S.I.
 Final Closed In Period Minutes 90 (G) 1700 P.S.I.
 Final Hydrostatic Pressure (H) 2573 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

11/13/80

7195

Date _____ Recorder No. 1049 Capacity 3500 Test Ticket No. _____
 Clock No. 4 Elevation _____ Location 5253 Ft. _____
 _____ Elevation 2562 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2681	P.S.I.	2:05A	
B First Initial Flow Pressure	79	P.S.I.	30	30
C First Final Flow Pressure	156	P.S.I.	60	63
D Initial Closed-in Pressure	1751	P.S.I.	90	95
E Second Initial Flow Pressure	178	P.S.I.	90	90
F Second Final Flow Pressure	299	P.S.I.		
G Final Closed-in Pressure	1700	P.S.I.		
H Final Hydrostatic Mud	2573	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 21 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 19 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	156	0	178	0	299
P 2	5	3	824	5	185	3	969
P 3	10	6	1252	10	185	6	1232
P 4	15	9	1418	15	190	9	1350
P 5	20	12	1500	20	198	12	1420
P 6	25	15	1555	25	205	15	1465
P 7	30	18	1590	30	207	18	1493
P 8		21	1617	35	211	21	1520
P 9		24	1641	40	220	24	1540
P10		27	1658	45	229	27	1557
P11		30	1672	50	236	30	1571
P12		33	1683	55	244	33	1584
P13		36	1694	60	251	36	1595
P14		39	1703	65	256	39	1606
P15		42	1711	70	264	42	1617
P16		45	1718	75	269	45	1626
P17		48	1725	80	275	48	1636
P18		51	1731	85	282	51	1641
P19		54	1734	90	289	54	1648
P20		57	1742	95	299	57	1654
WTC - 4		60	1745			60	1661
		63	1751				

continued next page

WESTERN TESTING CO., INC.

Pressure Data

11/13/80

7195

Date _____ Test Ticket No. _____
 Recorder No. 1049 Capacity 3500 Location 5253 Ft.
 Clock No. ④ ----- Elevation 2562 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2681	P.S.I.	2:05A	M
B First Initial Flow Pressure	79	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	156	P.S.I.	60	Mins. 63 Mins.
D Initial Closed-in Pressure	1751	P.S.I.	90	Mins. 95 Mins.
E Second Initial Flow Pressure	178	P.S.I.	90	Mins. 90 Mins.
F Second Final Flow Pressure	299	P.S.I.		
G Final Closed-in Pressure	1700	P.S.I.		
H Final Hydrostatic Mud	2573	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 21 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 19 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

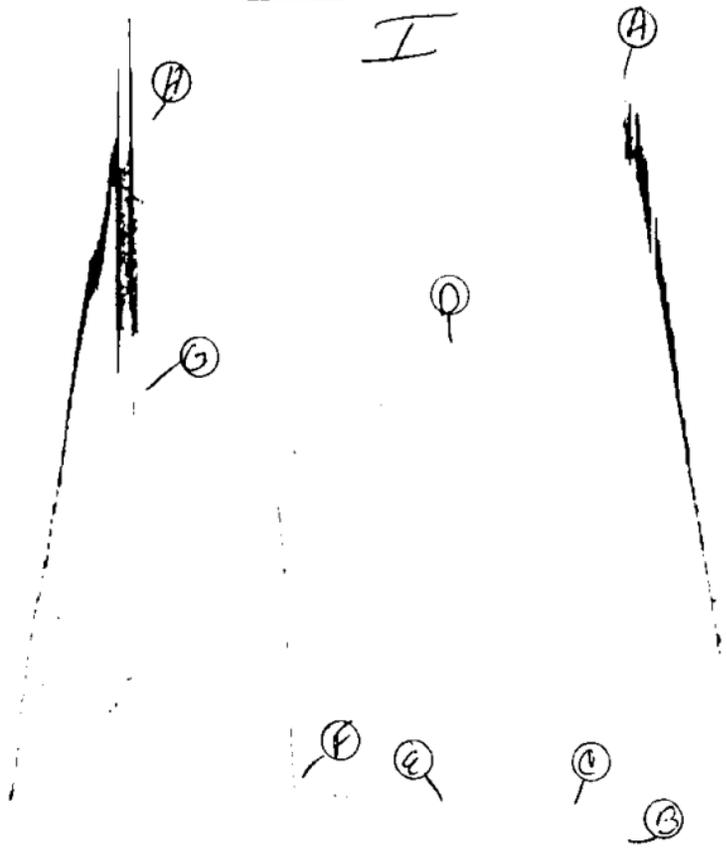
Final Shut-In
 Breakdown: 30 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				63	1665		
P 2				66	1670		
P 3				69	1672		
P 4				72	1678		
P 5				75	1680		
P 6				78	1685		
P 7				81	1689		
P 8				84	1692		
P 9				87	1696		
P10				90	1700		
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1047
7195

TK #7195

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 7196

OK

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

Elevation 2562 KB Formation Mississippi Eff. Pay Ft.

District W. Keeney Date 11-14-80 Customer Order No.

COMPANY NAME Pickrell Data Drilling Company

ADDRESS Suite 205, Litwin Bldg, Wichita, Ks 67202

LEASE AND WELL NO. McFadden #2 COUNTY Clark STATE Ks Sec. 4 Twp 31S Rge 24W

Mail Invoice To Same Co. Name Address No. Copies Requested 5

Mail Charts To Address No. Copies Requested 5

Formation Test No. 13 Interval Tested from 5420 ft. to 5490 ft. Total Depth 5490 ft. Packer Depth 5420 ft. Size 6 3/4 in. Packer Depth 5415 ft. Size 6 3/4 in.

Depth of Selective Zone Set Top Recorder Depth (Inside) 5457 ft. Recorder Number 1049 Cap. 3500 Bottom Recorder Depth (Outside) 5454 ft. Recorder Number 1134 Cap. 4500 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Pickrell Drlg. Ris 1 Mud Type Drispac Viscosity 56 Weight 7.2 Water Loss 15.6 cc. Chlorides 26,000 P.P.M. Jars: Make None Serial Number 410 Did Well Flow? No Reversed Out No

Blow: 1st Operating - Fair Decreasing Blow Throught No Blow - Flushed Tool Twice - Weak Blows Died in 5 min.

Recovered 220 ft. of Mud Remarks: Ass 12:00

Time Set Packer(s) 2:45 AM P.M. Time Started Off Bottom 6:15 AM P.M. Maximum Temperature 116 degrees Initial Hydrostatic Pressure (A) 1967 P.S.I. Initial Flow Period (B) 30 Minutes (C) 119 P.S.I. Initial Closed In Period (D) 60 Minutes (E) 769 P.S.I. Final Flow Period (F) 60 Minutes (G) 128 P.S.I. Final Closed In Period (H) 60 Minutes (I) 357 P.S.I. Final Hydrostatic Pressure (J) 1949 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 Thomas Funk Signature of Customer or his authorized representative

Western Representative Steve Mitchell

FIELD INVOICE

Open Hole Test \$ 650.00 Misrun \$ Straddle Test \$ Jars \$ 300.00 Selective Zone \$ Safety Joint \$ 50.00 Standby \$ Evaluation \$ Extra Packer \$ Circ. Sub. \$ Mileage 10 mi. Fluid Sampler \$ Extra Charts \$ TOTAL \$ 1000.00

WESTERN TESTING CO., INC.

Pressure Data

Date 11-14 Test Ticket No. 7196
 Recorder No. 1049 Capacity 3500 Location 5457 Ft.
 Clock No. _____ Elevation 2562 KB Well Temperature 116 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2879</u> P.S.I.		<u>2:45 P.M.</u>	
B First Initial Flow Pressure	<u>110</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>115</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>764</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>132</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
F Second Final Flow Pressure	<u>186</u> P.S.I.			
G Final Closed-in Pressure	<u>363</u> P.S.I.			
H Final Hydrostatic Mud	<u>2819</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>0</u> Min.	Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>22</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>110</u>	0	<u>115</u>	0	<u>132</u>	0	<u>186</u>
P 2	<u>110</u>	3	<u>150</u>	5	<u>132</u>	3	<u>187</u>
P 3	<u>119</u>	6	<u>179</u>	10	<u>165</u>	6	<u>189</u>
P 4	<u>117</u>	9	<u>200</u>	15	<u>165</u>	9	<u>194</u>
P 5	<u>115</u>	12	<u>222</u>	20	<u>185</u>	12	<u>201</u>
P 6	<u>115</u>	15	<u>245</u>	25	<u>183</u>	15	<u>207</u>
P 7	<u>115</u>	18	<u>271</u>	30	<u>(</u>	18	<u>212</u>
P 8		21	<u>300</u>	35	<u>)</u>	21	<u>218</u>
P 9		24	<u>330</u>	40	<u>183</u>	24	<u>227</u>
P 10		27	<u>363</u>	45	<u>185</u>	27	<u>233</u>
P 11		30	<u>397</u>	50	<u>186</u>	30	<u>242</u>
P 12		33	<u>434</u>	55	<u>186</u>	33	<u>252</u>
P 13		36	<u>474</u>	60	<u>186</u>	36	<u>264</u>
P 14		39	<u>509</u>	65		39	<u>273</u>
P 15		42	<u>548</u>	70		42	<u>282</u>
P 16		45	<u>588</u>	75		45	<u>291</u>
P 17		48	<u>628</u>	80		48	<u>302</u>
P 18		51	<u>669</u>	85		51	<u>311</u>
P 19		54	<u>709</u>	90		54	<u>319</u>
P 20		57	<u>738</u>			57	<u>332</u>
		60	<u>764</u>			60	<u>344</u>
						63	<u>355</u>
						66	<u>363</u>

Company Pickrell Drilling Company Lease & Well No. McFadden "D"#2
 Elevation 2562 Kelly Bushing Mississippi Effective Pay - Ft. Ticket No. 7196
 Date 11/14/80 Sec. 4 Twp. 31S Range 24W County Clark State Kansas
 Test Approved by Thomas Funk Western Representative Steve Michellich

Formation Test No. 3 Interval Tested from 5420 ft. to 5490 ft. Total Depth 5490 ft.
 Packer Depth 5420 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5415 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5457 ft. Recorder Number 1049 Cap 3500
 Bottom Recorder Depth (Outside) 5457 ft. Recorder Number 1134 Cap 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -
 Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 210 I. D. 2.25 in.
 Mud Type drispac Viscosity 56 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 15.6 cc. Drill Pipe Length 5182 I. D. 3.8 in.
 Chlorides 26,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
 Jars: Make None Serial Number - Anchor Length 70 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 H-90

Blow: Initial flow period fair deaccreasing blow thoroughout final flow period. No blow; flushed tool twice, weak blows died in five minutes.

Recovered 220 ft. of mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 2:45 ~~AM~~ P.M. Time Started Off Bottom 6:15 ~~AM~~ P.M. Maximum Temperature 116°
 Initial Hydrostatic Pressure (A) 2879 P.S.I.
 Initial Flow Period Minutes 30 (B) 110 P.S.I. to (C) 115 P.S.I.
 Initial Closed In Period Minutes 60 (D) 764 P.S.I.
 Final Flow Period Minutes 60 (E) 132 P.S.I. to (F) 186 P.S.I.
 Final Closed In Period Minutes 66 (G) 363 P.S.I.
 Final Hydrostatic Pressure (H) 2819 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/14/80

Recorder No. 1049

Capacity 3500

Test Ticket No. 7196

Clock No. - Elevation

2562 Kelly Bushing

Location 5457 Ft.

Well Temperature 116 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2879</u> P.S.I.	<u>2:45P</u>	
B First Initial Flow Pressure	<u>110</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>115</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>764</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>132</u> P.S.I.	<u>60</u> Mins.	<u>66</u> Mins.
F Second Final Flow Pressure	<u>186</u> P.S.I.		
G Final Closed-in Pressure	<u>363</u> P.S.I.		
H Final Hydrostatic Mud	<u>2819</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 22 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>110</u>	<u>0</u>	<u>115</u>	<u>0</u>	<u>132</u>	<u>0</u>	<u>186</u>
P 2 <u>5</u>	<u>110</u>	<u>3</u>	<u>150</u>	<u>5</u>	<u>132</u>	<u>3</u>	<u>187</u>
P 3 <u>10</u>	<u>119</u>	<u>6</u>	<u>179</u>	<u>10</u>	<u>165</u> Flushed tool	<u>6</u>	<u>189</u>
P 4 <u>15</u>	<u>117</u>	<u>9</u>	<u>200</u>	<u>15</u>	<u>165</u> Flushed tool	<u>9</u>	<u>194</u>
P 5 <u>20</u>	<u>115</u>	<u>12</u>	<u>222</u>	<u>20</u>	<u>185</u>	<u>12</u>	<u>201</u>
P 6 <u>25</u>	<u>115</u>	<u>15</u>	<u>245</u>	<u>25</u>	<u>183</u>	<u>15</u>	<u>207</u>
P 7 <u>30</u>	<u>115</u>	<u>18</u>	<u>271</u>	<u>30</u>	<u>183</u>	<u>18</u>	<u>212</u>
P 8		<u>21</u>	<u>300</u>	<u>35</u>	<u>183</u>	<u>21</u>	<u>128</u>
P 9		<u>24</u>	<u>330</u>	<u>40</u>	<u>183</u>	<u>24</u>	<u>227</u>
P10		<u>27</u>	<u>363</u>	<u>45</u>	<u>185</u>	<u>27</u>	<u>233</u>
P11		<u>30</u>	<u>397</u>	<u>50</u>	<u>186</u>	<u>30</u>	<u>242</u>
P12		<u>33</u>	<u>434</u>	<u>55</u>	<u>186</u>	<u>33</u>	<u>252</u>
P13		<u>36</u>	<u>474</u>	<u>60</u>	<u>186</u>	<u>36</u>	<u>264</u>
P14		<u>39</u>	<u>509</u>			<u>39</u>	<u>273</u>
P15		<u>42</u>	<u>548</u>			<u>42</u>	<u>282</u>
P16		<u>45</u>	<u>588</u>			<u>45</u>	<u>291</u>
P17		<u>48</u>	<u>628</u>			<u>48</u>	<u>302</u>
P18		<u>51</u>	<u>669</u>			<u>51</u>	<u>311</u>
P19		<u>54</u>	<u>709</u>			<u>54</u>	<u>319</u>
P20		<u>57</u>	<u>738</u>			<u>57</u>	<u>332</u>
WTC - 4		<u>60</u>	<u>764</u>			<u>60</u>	<u>344</u>
						<u>63</u>	<u>355</u>
						<u>66</u>	<u>363</u>

TKT # 7196

1049

7196

(A)

(A)

I

(G)

(F)

(D)

(E)

(C)

(B)

7196

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