



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 4630

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

Elevation 2257 KB Formation Miss Eff. Pay Ft.

District Wakeenay Date 2-24-80 Customer Order No.

COMPANY NAME Pickrell Drilling Co

ADDRESS L. Twin Bldg - Suite 205 110 N. Market Wichita, Ks. 67202

LEASE AND WELL NO. Dehner 'A' #10 COUNTY Rush STATE KS Sec 32 Twp 19s Rge 20w

Mail Invoice To Dehner 'A' #10 Same Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 4345 ft. to 4390 ft. Total Depth 4390 ft.

Packer Depth 4340 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4345 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4381 ft. Recorder Number 1564 Cap. 3150

Bottom Recorder Depth (Outside) 4384 ft. Recorder Number 3085 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co. Tools Rig #10 Drill Collar Length I. D. in.

Mud Type Premix Viscosity 42 Weight Pipe Length 536 I. D. 2.76 in. F#

Weight 9.3 Water Loss 12.0 cc. Drill Pipe Length 3874 I. D. 3.8 in. F#

Chlorides 16,000 P.P.M. Test Tool Length 19 ft. Tool Size 5 1/2 in.

Jars: Make NO Serial Number Anchor Length 45 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 1/8 in. Tool Joint Size 4 1/2 F# in.

Blow: Very Weak Blow Dead in 25 Min of 1st Open

Recovered 5 ft. of Mud

Recovered ft. of

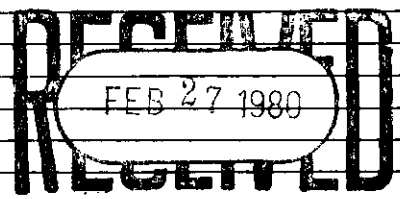
Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Thank You!



Time Set Packer(s) 4:27 AM Time Started Off Bottom 6:10 AM Maximum Temperature 110°

Initial Hydrostatic Pressure (A) 2314 P.S.I.

Initial Flow Period Minutes 30 (B) 47 P.S.I. to (C) 47 P.S.I.

Initial Closed In Period Minutes 60 (D) 171 P.S.I.

Final Flow Period Minutes 10 (E) 54 P.S.I. to (F) 54 P.S.I.

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

Final Hydrostatic Pressure (H) 2298 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 [Signature] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Table with 2 columns: Item and Price. Items include Open Hole Test (\$550.00), Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts.

TOTAL \$ 550.00

WESTERN TESTING CO., INC.

Pressure Data

Date 2-24-80 Test Ticket No. 4630
 Recorder No. 1564 Capacity 2150 Location 4381 Ft.
 Clock No. _____ Elevation 2257 KB Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2306</u>	P.S.I.	<u>4:27 A M</u>	
B First Initial Flow Pressure	<u>59</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>47</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>168</u>	P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
E Second Initial Flow Pressure	<u>60</u>	P.S.I.		
F Second Final Flow Pressure	<u>57</u>	P.S.I.		
G Final Closed-in Pressure		P.S.I.		
H Final Hydrostatic Mud	<u>2291</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>2</u> Inc.		Breakdown: _____ 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>59</u>	0	<u>47</u>	0	<u>60</u>	0	
P 2	<u>59</u>	3	<u>47</u>	5	<u>64</u>	3	
P 3	<u>52</u>	6	<u>48</u>	10	<u>57</u>	6	
P 4	<u>48</u>	9	<u>50</u>	15		9	
P 5	<u>47</u>	12	<u>51</u>	20		12	
P 6	<u>47</u>	15	<u>54</u>	25		15	
P 7	<u>47</u>	18	<u>57</u>	30		18	
P 8		21	<u>62</u>	35		21	
P 9		24	<u>67</u>	40		24	
P10		27	<u>71</u>	45		27	
P11		30	<u>77</u>	50		30	
P12		33	<u>84</u>	55		33	
P13		36	<u>90</u>	60		36	
P14		39	<u>99</u>	65		39	
P15		42	<u>109</u>	70		42	
P16		45	<u>118</u>	75		45	
P17		48	<u>127</u>	80		48	
P18		51	<u>137</u>	85		51	
P19		54	<u>147</u>	90		54	
P20		57	<u>158</u>			57	
		60	<u>168</u>			60	

Company Pickrell Drilling Company Lease & Well No. Dehner "A" #10
 Elevation 2257 Kelly Bushing Mississippi Effective Pay ----- Ft. Ticket No. 4630
 Date 2/24/80 Sec. 32 Twp 19S Range 20W County Rush State Kansas
 Test Approved by Mike G. Russell Western Representative Ken Metzler

Formation Test No. 1 Interval Tested from 4345 ft. to 4390 ft. Total Depth 4390 ft.
 Packer Depth 4340 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4345 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4381 ft. Recorder Number 1564 Cap. 3150
 Bottom Recorder Depth (Outside) 4384 ft. Recorder Number 3085 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length -- I. D. - in.
 Mud Type premix Viscosity 42 Weight Pipe Length 536 I. D. 2.76 in. FH
 Weight 9.3 Water Loss 12.0 cc. Drill Pipe Length 3874 I. D. 3.8 in. FH
 Chlorides 16,000 P.P.M. Test Tool Length 19 ft. Tool Size 5 1/2 in.
 Jars: Make NO Serial Number - Anchor Length 45 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 FH in.

Blow: Very weak blow; dead in twenty five minutes of first opening.

Recovered 5 ft. of mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 4:27 ~~PM~~ ^{A.M.} Time Started Off Bottom 6:10 ~~PM~~ ^{A.M.} Maximum Temperature 110°
 Initial Hydrostatic Pressure (A) 2306 P.S.I.
 Initial Flow Period Minutes 30 (B) 59 P.S.I. to (C) 47 P.S.I.
 Initial Closed In Period Minutes 60 (D) 168 P.S.I.
 Final Flow Period Minutes 10 (E) 60 P.S.I. to (F) 57 P.S.I.
 Final Closed In Period Minutes -- (G) -- P.S.I.
 Final Hydrostatic Pressure (H) 2291 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 2/24/80 Test Ticket No. 4630
 Recorder No. 1564 Capacity 3150 Location 4381 Ft.
 Clock No. ---- Elevation 2257 Kelly Bushing Well Temperature 110 °F

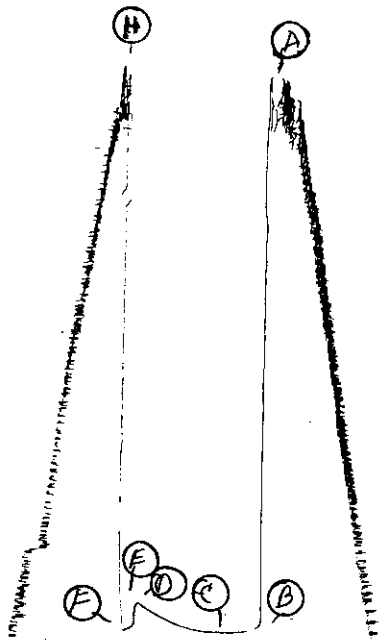
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2306	P.S.I.	4:27A	M
B First Initial Flow Pressure	59	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	47	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	168	P.S.I.	10	Mins. 10 Mins.
E Second Initial Flow Pressure	60	P.S.I.	--	Mins. -- Mins.
F Second Final Flow Pressure	57	P.S.I.		
G Final Closed-in Pressure	--	P.S.I.		
H Final Hydrostatic Mud	2291	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>2</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>0</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	0	0	47	0	60		
P 2	5	3	47	5	64		
P 3	10	6	48	10	57		
P 4	15	9	50				
P 5	20	12	51				
P 6	25	15	54				
P 7	30	18	57				
P 8		21	62				
P 9		24	67				
P10		27	71				
P11		30	77				
P12		33	84				
P13		36	90				
P14		39	99				
P15		42	109				
P16		45	118				
P17		48	127				
P18		51	137				
P19		54	147				
P20		57	158				
WTC - 4		60	168				

TRK# 4630
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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 4631

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

Elevation 2257 KB Formation Miss Eff. Pay Ft.

District Wakeeey Date 2-24-80 Customer Order No.

COMPANY NAME Pickrell Drilling Co.

ADDRESS Litwin Bldg-Suite 205 110 N. MARKET Wichita, Ks. 67202

LEASE AND WELL NO. Dehner 'A' #10 COUNTY Rush STATE Ks Sec. 32 Twp 19S Rge 20W

Mail Invoice To Dehner 'A' #10 Same No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 2 Interval Tested from 4344 ft. to 4401 ft. Total Depth 4401 ft. Packer Depth 4339 ft. Size 6 3/4 in. Packer Depth 4344 ft. Size 6 3/4 in.

Top Recorder Depth (Inside) 4392 ft. Recorder Number 1564 Cap. 3150 Bottom Recorder Depth (Outside) 4395 ft. Recorder Number 3085 Cap. 4500 Below Straddle Recorder Depth 2 ft. Recorder Number Cap.

Drilling Contractor Co. Tools Rig #10 Mud Type Premix Viscosity 48 Weight 9.3 Water Loss 15.2 cc. Chlorides 14,000 P.P.M. Jars: Make NO Serial Number Did Well Flow? NO Reversed Out NO Drill Collar Length I. D. Weight Pipe Length I. D. 2.76 in. Drill Pipe Length 3874 I. D. 3.8 in. Test Tool Length 19 ft. Tool Size 5 1/2 in. Anchor Length 57 ft. Size 5 1/2 in. Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in. Main Hole Size 7/8 in. Tool Joint Size 4 1/2 FN in.

Blow: Very Weak Blow Dead in 20 Min of 1st Open

Recovered 5 ft. of Mud Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of

Remarks: Hydraulic Tool did NOT open all the way due to cuttings around mandrel Thank You!

Time Set Packer(s) 6:15 P.M. Time Started Off Bottom 7:55 P.M. Maximum Temperature 110 Initial Hydrostatic Pressure (A) 2221 P.S.I. Initial Flow Period (B) 30 Minutes P.S.I. to (C) Initial Closed In Period (D) 60 Minutes P.S.I. Final Flow Period (E) 10 Minutes P.S.I. to (F) Final Closed In Period (G) Minutes P.S.I. Final Hydrostatic Pressure (H) 2172 P.S.I.

COMPANY TERMS

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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 [Signature] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Open Hole Test \$ Misrun \$ 275.00 Straddle Test \$ Jars \$ Selective Zone \$ Safety Joint \$ Standby \$ Evaluation \$ Extra Packer \$ Circ. Sub. \$ Mileage \$ Fluid Sampler \$ Extra Charts \$ TOTAL \$ 275.00

FEB 27 1980

Company Pickrell Drilling Company Lease & Well No. Dehner "A" #10
 Elevation 2251 Kelly Bushing Mississippi Effective Pay ---- Ft. Ticket No. 4631
 Date 2/24/80 Sec. 21 Twp. 19S Range 20W County Rush State Kansas
 Test Approved by Mike G. Russell Western Representative Ken Metzler

Formation Test No. 2 Interval Tested from 4344' ft. to 4401' ft. Total Depth 4401' ft.
 Packer Depth 4339 ft. Size 6 3/4 Packer Depth - ft. Size - in.
 Packer Depth 4344 ft. Size 6 3/4 Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4392 ft. Recorder Number 1564 Cap. 3150
 Bottom Recorder Depth (Outside) 4395 ft. Recorder Number 3085 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #10 Drill Collar Length -- I. D. - in.
 Mud Type premix Viscosity 48 Weight Pipe Length 536 I. D. 2.76 in.
 Weight 9.3 Water Loss 15.2 cc. Drill Pipe Length 3874 I. D. 3.8 in.
 Chlorides 14,000 P.P.M. Test Tool Length 19 ft. Tool Size 5 1/2 in.
 Jars: Make NO Serial Number - Anchor Length 57 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 FH in.

Blow: Very weak blow; dead in twenty minutes of first opening.

Recovered 5 ft. of mud
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: Hydraulic tool did not open all the way due to cuttings around mandrel.

Time Set Packer(s) 6:15 ~~AM~~ PM Time Starred Off Bottom 7:55 ~~AM~~ PM Maximum Temperature 110°
 Initial Hydrostatic Pressure (A) 2221 P.S.I.
 Initial Flow Period Minutes (B) -- P.S.I. to (C) -- P.S.I.
 Initial Closed In Period Minutes (D) -- P.S.I.
 Final Flow Period Minutes (E) -- P.S.I. to (F) -- P.S.I.
 Final Closed In Period Minutes (G) -- P.S.I.
 Final Hydrostatic Pressure (H) 2172 P.S.I.

TKL# 4631
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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 4632

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

Elevation 2257 KB Formation Miss Eff. Pay Pt.

District Wakeeney Date 2-25-80 Customer Order No.

COMPANY NAME Pickrell Drilling Co.

ADDRESS L. Twin Bldg - Suite 205 110 N. Market Wichita, Ks, 67202

LEASE AND WELL NO. Dehaer A #10 COUNTY Rush STATE Ks Sec. 32 Twp 19s Rge 20w

Mail Invoice To Dehaer A #10 Co. Name Sent Address No. Copies Requested 5

Mail Charts To Sent Address No. Copies Requested 5

Formation Test No. 3 Interval Tested from 4319 ft. to 4404 ft. Total Depth 4404 ft. Packer Depth 4314 ft. Size 6 3/4 in. Packer Depth 4319 ft. Size 6 3/4 in.

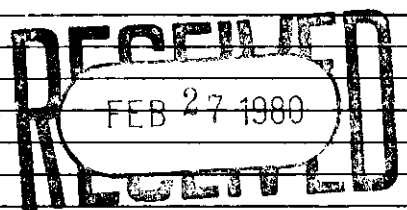
Top Recorder Depth (Inside) 4375 ft. Recorder Number 1564 Cap. 3150 Bottom Recorder Depth (Outside) 4398 ft. Recorder Number 3085 Cap. 4500 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co. Tools Rig #10 Mud Type Premix Viscosity 48 Weight 9.3 Water Loss 15.2 cc. Chlorides 14,000 P.P.M. Jars: Make 110 Serial Number Did Well Flow? NO Reversed Out Yes Drill Collar Length I. D. Weight Pipe Length I. D. 2.76 in. Drill Pipe Length 3874 I. D. 3.8 in. Test Tool Length 19 ft. Tool Size 5 1/2 in. Anchor Length 85 ft. Size 5 1/2 in. Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in. Main Hole Size 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong Blow Decreasing By end of 2nd Blow

Recovered 1120 ft. of Muddy Salt Water (61,000 chlorides)

Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Remarks: Slid 4' To Bottom after Tool Opened



Thank You!

Table with 4 columns: Time Set Packer(s), A.M./P.M., Time Started Off Bottom, Maximum Temperature. Rows include Initial Hydrostatic Pressure, Initial Flow Period, Initial Closed In Period, Final Flow Period, Final Closed In Period, Final Hydrostatic Pressure.

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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 [Signature] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Table with 2 columns: Item, Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Sandby, Evaluation, Extra Packer, Circ. Sub, Mileage, Fluid Sampler, Extra Charts, TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date 2-25-80 Test Ticket No. 4632
 Recorder No. 1564 Capacity 3150 Location 4395 Ft.
 Clock No. _____ Elevation 2257 KB Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2299</u>	P.S.I.	<u>6:57 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>248</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>528</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
D Initial Closed-in Pressure	<u>587</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>566</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
F Second Final Flow Pressure	<u>587</u>	P.S.I.		
G Final Closed-in Pressure	<u>597</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2290</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: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 10 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	<u>248</u>	0	<u>528</u>	0	<u>566</u>	0	<u>587</u>
P 2 5	<u>324</u>	3	<u>542</u>	5	<u>566</u>	3	<u>589</u>
P 3 10	<u>400</u>	6	<u>551</u>	10	<u>570</u>	6	<u>591</u>
P 4 15	<u>431</u>	9	<u>559</u>	15	<u>574</u>	9	<u>592</u>
P 5 20	<u>467</u>	12	<u>566</u>	20	<u>578</u>	12	<u>593</u>
P 6 25	<u>489</u>	15	<u>569</u>	25	<u>583</u>	15	<u>594</u>
P 7 30	<u>528</u>	18	<u>571</u>	30	<u>587</u>	18	<u>595</u>
P 8 36		21	<u>573</u>	35		21	<u>596</u>
P 9 40		24	<u>575</u>	40		24	<u>596</u>
P10 45		27	<u>577</u>	45		27	<u>597</u>
P11 50		30	<u>578</u>	50		30	<u>597</u>
P12 55		33	<u>579</u>	55		33	
P13 60		36	<u>580</u>	60		36	
P14		39	<u>581</u>	65		39	
P15		42	<u>582</u>	70		42	
P16		45	<u>583</u>	75		45	
P17		48	<u>584</u>	80		48	
P18		51	<u>585</u>	85		51	
P19		54	<u>586</u>	90		54	
P20		57	<u>586</u>			57	
		60	<u>587</u>			60	

Company Pickrell Drilling Company Lease & Well No. Dehner "A" #10
 Elevation 2257 Kelly Bushing Mississippi Effective Pay ---- Ft. Ticker No. 4632
 Date 2/25/80 Sec. 32 Twp. 19S Range 20W County Rush State Kansas
 Test Approved by Mike G. Russell Western Representative Ken Metzler

Formation Test No. 3 Interval Tested from 4319 ft. to 4404 Total Depth 4404 ft.
 Packer Depth 4314 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4319 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4395 ft. Recorder Number 1564 Cap. 3150
 Bottom Recorder Depth (Outside) 4398 ft. Recorder Number 3085 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #10 Drill Collar Length - I. D. - in.
 Mud Type premix Viscosity 48 Weight Pipe Length 536 I. D. 2.76 in.
 Weight 9.3 Water Loss 15.2 cc. Drill Pipe Length 3874 I. D. 3.8 in.
 Chlorides 14,000 P.P.M. Test Tool Length 19 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 85 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out Yes 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 FH in.

Blow: Strong blow decreasing by end of second flow.

Recovered 1120 ft. of muddy salt water (61,000 chlorides)
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: Slid four feet to bottom after tool opened.

Time Set Packer(s)	<u>6:57</u>	<u>A.M.</u>	Time Started Off Bottom	<u>9:30</u>	<u>A.M.</u>	Maximum Temperature	<u>114°</u>
Initial Hydrostatic Pressure		<u>P.M.</u>	(A)	<u>2299</u>	<u>P.M.</u>		
Initial Flow Period	Minutes		(B)	<u>30</u>		<u>528</u>	<u>P.S.I.</u>
Initial Closed In Period	Minutes		(D)	<u>60</u>			
Final Flow Period	Minutes		(E)	<u>30</u>		<u>587</u>	<u>P.S.I.</u>
Final Closed In Period	Minutes		(G)	<u>30</u>			
Final Hydrostatic Pressure			(H)	<u>597</u>		<u>587</u>	<u>P.S.I.</u>
				<u>2290</u>			<u>P.S.I.</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 2/25/80

Recorder No. 1564

Capacity 3150

Test Ticket No. 4632

Location 4395 Ft.

Clock No. ----- Elevation 2257 Kelly Bushing

Well Temperature 114° °F

Point	Pressure	P.S.I.	Open Tool	Time	
				Given	Computed
A. Initial Hydrostatic Mud	2299	P.S.I.		6:57A	M
B. First Initial Flow Pressure	248	P.S.I.	First Flow Pressure	30	Mins. 30 Mins.
C. First Final Flow Pressure	528	P.S.I.	Initial Closed-in Pressure	60	Mins. 60 Mins.
D. Initial Closed-in Pressure	587	P.S.I.	Second Flow Pressure	30	Mins. 30 Mins.
E. Second Initial Flow Pressure	566	P.S.I.	Final Closed-in Pressure	30	Mins. 30 Mins.
F. Second Final Flow Pressure	587	P.S.I.			
G. Final Closed-in Pressure	597	P.S.I.			
H. Final Hydrostatic Mud	2290	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: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 10 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>248</u>	<u>0</u>	<u>528</u>	<u>0</u>	<u>566</u>	<u>0</u>	<u>587</u>
P 2 <u>5</u>	<u>324</u>	<u>3</u>	<u>542</u>	<u>5</u>	<u>566</u>	<u>3</u>	<u>589</u>
P 3 <u>10</u>	<u>400</u>	<u>6</u>	<u>551</u>	<u>10</u>	<u>570</u>	<u>6</u>	<u>591</u>
P 4 <u>15</u>	<u>431</u>	<u>9</u>	<u>559</u>	<u>15</u>	<u>574</u>	<u>9</u>	<u>592</u>
P 5 <u>20</u>	<u>467</u>	<u>12</u>	<u>566</u>	<u>20</u>	<u>578</u>	<u>12</u>	<u>593</u>
P 6 <u>25</u>	<u>489</u>	<u>15</u>	<u>569</u>	<u>25</u>	<u>583</u>	<u>15</u>	<u>594</u>
P 7 <u>30</u>	<u>528</u>	<u>18</u>	<u>571</u>	<u>30</u>	<u>587</u>	<u>18</u>	<u>595</u>
P 8 _____	_____	<u>21</u>	<u>573</u>	_____	_____	<u>21</u>	<u>596</u>
P 9 _____	_____	<u>24</u>	<u>575</u>	_____	_____	<u>24</u>	<u>596</u>
P10 _____	_____	<u>27</u>	<u>577</u>	_____	_____	<u>27</u>	<u>597</u>
P11 _____	_____	<u>30</u>	<u>578</u>	_____	_____	<u>30</u>	<u>597</u>
P12 _____	_____	<u>33</u>	<u>579</u>	_____	_____	_____	_____
P13 _____	_____	<u>36</u>	<u>580</u>	_____	_____	_____	_____
P14 _____	_____	<u>39</u>	<u>581</u>	_____	_____	_____	_____
P15 _____	_____	<u>42</u>	<u>582</u>	_____	_____	_____	_____
P16 _____	_____	<u>45</u>	<u>583</u>	_____	_____	_____	_____
P17 _____	_____	<u>48</u>	<u>584</u>	_____	_____	_____	_____
P18 _____	_____	<u>51</u>	<u>585</u>	_____	_____	_____	_____
P19 _____	_____	<u>54</u>	<u>586</u>	_____	_____	_____	_____
P20 _____	_____	<u>57</u>	<u>586</u>	_____	_____	_____	_____
WTC - 4		<u>60</u>	<u>587</u>				

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