Company Pickrell Drilling Company — Lease & Well No. #1 "B" Thimesch

Elevation 1669 Kelly Bushing — Formation Mississippi — Effective Pay -- Ft. — Ticket No. 18303

Date 11/4/82 — Sec. 18 — Twp. 29S — Range 8W — County Kingman — State Kansas

Test Approved by Bill Klaver — Western Representative Rod Tritt

Formation Test No. 1 — Interval Tested from 4169 ft. to 4182 ft. — Total Depth 4182 ft.

Packer Depth 4164 ft. — Size 6 3/4 in. — Packer Depth -- ft. — Size - in.

Packer Depth 4169 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4173 ft. — Recorder Number 2606 — Cap. 4150

Bottom Recorder Depth (Outside) 4176 ft. — Recorder Number 4332 — Cap. 4200

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Pickrell Drilling Rig #10 — Drill Collar Length 248 — I. D. 2¼ in.

Mud Type cellex — Viscosity 40 — Weight Pipe Length - — I. D. - in.

Weight 9.6 — Water Loss 10.6 cc. — Drill Pipe Length 3701 — I. D. 3.8 in.

Chlorides 13,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make ---- Serial Number -- — Anchor Length 13 ft. — Size 5½OD 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 4½FH in.

Blow: Strong blow throughout test. Gas to surface in two minutes. See attached sheet for gas measurements.

Recovered 270 ft. of gas cut muddy water Chlorides 56,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:40 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 9:40 ~~A.M.~~ ~~P.M.~~ — Maximum Temperature 122°

Initial Hydrostatic Pressure			(A)	2240	P.S.I.	
Initial Flow Period	Minutes 30	(B)	240	P.S.I. to (C)	283	P.S.I.
Initial Closed In Period	Minutes 60	(D)	1548	P.S.I.		
Final Flow Period	Minutes 60	(E)	339	P.S.I. to (F)	339	P.S.I.
Final Closed In Period	Minutes 90	(G)	1532	P.S.I.		
Final Hydrostatic Pressure		(H)	2153	P.S.I.		

GAS FLOW REPORT

Date 11/4/82 Ticket 18303 Company Pickrell Drilling Company

Well Name and No. #1 Thimesch "B" Dst No. 1 Interval Tested 4169'-4182'

County Kingman State Kansas Sec. 18 Twp. 29S Rg. 8W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
02 min.			1-1/2" orifice		Gas to surface
10 min.	10 PSIG		1-1/2" orifice		1,274,000 CFPD
20 min.	15 PSIG		1-1/2" orifice		1,626,000 CFPD
30 min.	15 PSIG		1-1/2" orifice		1,626,000 CFPD
SECOND FLOW					
10 min.	18 PSIG		1-1/2" orifice		1,824,000 CFPD
20 min.	19 PSIG		1-1/2" orifice		1,887,000 CFPD
30 min.	19 PSIG		1-1/2" orifice		1,887,000 CFPD
40 min.	19 PSIG		1-1/2" orifice		1,887,000 CFPD
50 min.	19 PSIG		1-1/2" orifice		1,887,000 CFPD
60 min.	19 PSIG		1-1/2" orifice		1,887,000 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled --- Date to be Invoiced 11/4/82

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Pickrell Drilling Company

Authorized by Bill Klaver

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 11/4/82 Test Ticket No. 18303

Recorder No. 2606 Capacity 4150 Location 4173 Ft.

Clock No. --- Elevation 1669 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2240 P.S.I.	Open Tool	5:40A M	
B First Initial Flow Pressure	240 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	283 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1548 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	339 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	339 P.S.I.			
G Final Closed-in Pressure	1532 P.S.I.			
H Final Hydrostatic Mud	2153 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	240
P 2 5	241
P 3 10	250
P 4 15	264
P 5 20	274
P 6 25	281
P 7 30	283
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	283
3	1292
6	1397
9	1438
12	1462
15	1481
18	1496
21	1508
24	1517
27	1524
30	1531
33	1534
36	1536
39	1538
42	1540
45	1542
48	1544
51	1545
54	1546
57	1547
60	1548

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

Point Minutes	Press.
0	339
5	339
10	339
15	339
20	339
25	339
30	339
35	339
40	339
45	339
50	339
55	339
60	339

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

Point Minutes	Press.
0	339
3	1255
6	1343
9	1383
12	1413
15	1433
18	1450
21	1462
24	1472
27	1481
30	1489
33	1494
36	1499
39	1504
42	1508
45	1512
48	1515
51	1587
54	1519
57	1521
60	1523

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WESTERN TESTING CO., INC.
Pressure Data

Date 11/4/82 Test Ticket No. 18303

Recorder No. 2606 Capacity 4150 Location 4173 Ft

Clock No. --- Elevation 1669 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2240 P.S.I.	Open Tool	5:40A M	
B First Initial Flow Pressure	240 P.S.I.	First Flow Pressure	30 Mins.	30 Mins
C First Final Flow Pressure	283 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins
D Initial Closed-in Pressure	1548 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins
E Second Initial Flow Pressure	339 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins
F Second Final Flow Pressure	339 P.S.I.			
G Final Closed-in Pressure	1532 P.S.I.			
H Final Hydrostatic Mud	2153 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: 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	1524
P 2						66	1525
P 3						69	1526
P 4						72	1527
P 5						75	1528
P 6						78	1529
P 7						81	1530
P 8						84	1531
P 9						87	1532
P10						90	1532
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WTC - 4

R600 WSM1

TKT # 18303

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