Company Pickrell Drilling Company — Lease & Well No. Glenn #1

Elevation 2261 Kelly Bushing — Formation Cherokee Sand — Effective Pay -- Ft. — Ticket No. 2377

Date 4/1/79 — Sec. 3 — Twp. 20S — Range 19W — County Pawnee — State Kansas

Test Approved by Harlan B. Dixon — Western Representative Denis Wondra

Formation Test No. 1 — Interval Tested from 4105 ft. to 4125 ft. — Total Depth 4125 ft.

Packer Depth 4100 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4105 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4080 ft. — Recorder Number 3354 — Cap. 4200

Bottom Recorder Depth (Outside) 4083 ft. — Recorder Number 2605 — Cap. 4150

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

Drilling Contractor Pickrell Drilling — Drill Collar Length 240 — I. D. 2.7 in.

Mud Type drispac — Viscosity 36 — Weight Pipe Length 558 — I. D. 2.8 in.

Weight 9.5 — Water Loss 7.0 cc. — Drill Pipe Length 3272 — I. D. 3.8 in.

Chlorides 3,000 P.P.M. — Test Tool Length 35' — Tool Size 5½OD in.

Jars: Make WTC — Serial Number 408 — Anchor Length 20' 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: Fair. Increased to very good in 10 minutes on first flow period. No second flow period.

Recovered 155 ft. of watery mud

Recovered 186 ft. of muddy water chlorides 26,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:48 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 6:05 ~~A.M.~~ ~~P.M.~~ — Maximum Temperature 110

Initial Hydrostatic Pressure ..... (A) 2180 P.S.I.

Initial Flow Period ..... Minutes 15 (B) 177 P.S.I. to (C) 209 P.S.I.

Initial Closed In Period ..... Minutes Out of hole (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) 2168 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 4/1/79 Test Ticket No. 2377

Recorder No. 3354 Capacity 4200 Location 4080 Ft.

Clock No. -- Elevation 2261 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2180 P.S.I.	Open Tool	5:48A M	
B First Initial Flow Pressure	177 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	209 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	2168 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

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

Final Shut-In
Breakdown: 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	Plugging action 177						
P 2	5	181						
P 3	10	194						
P 4	15	209						
P 5								
P 6								
P 7								
P 8								
P 9								
P10								
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

DAT # 2377
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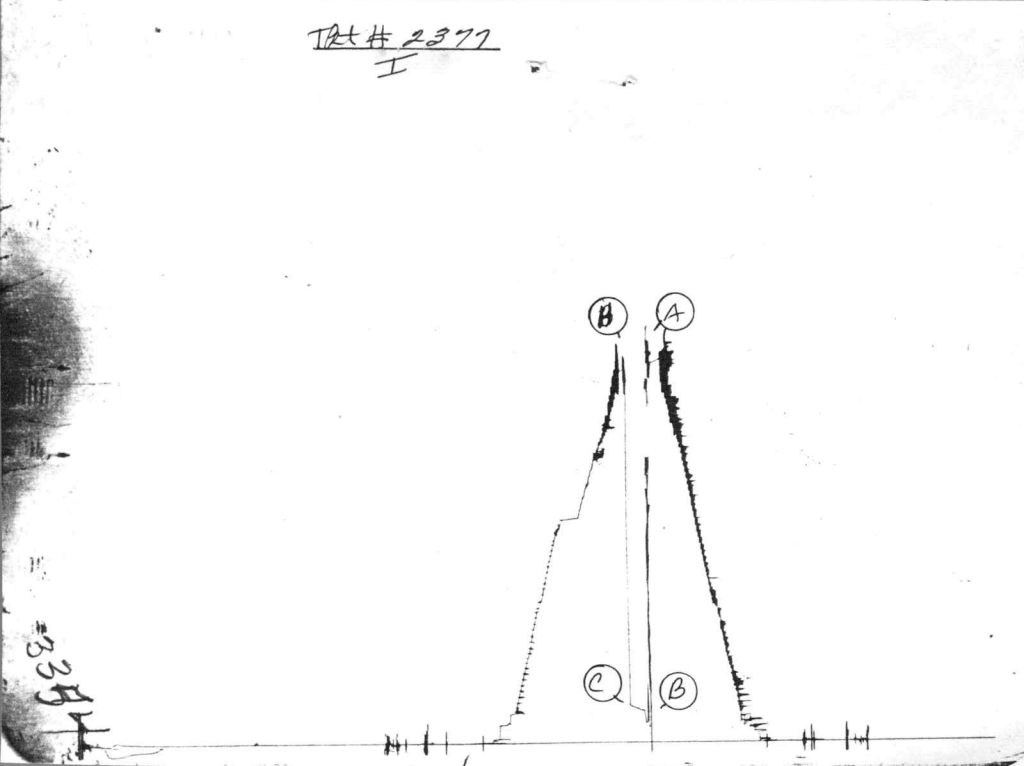

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