Company Beren Corporation — Lease & Well No. Wilfred #1

Elevation - Formation Indian Cave — Effective Pay - Ft. — Ticket No. 9489

Date 3/13/81 — Sec. 19 — Twp. 29S — Range 9W — County Kingman — State Kansas

Test Approved by Steve Dixon — Western Representative Jeff Beauchamp

Formation Test No. 1 — Interval Tested from 2468 ft. to 2540 ft. — Total Depth 2540 ft.

Packer Depth 2463 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 2468 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2548 ft. — Recorder Number 2606 — Cap. 4150

Bottom Recorder Depth (Outside) 2551 ft. — Recorder Number 4332 — Cap. 4200

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

Drilling Contractor Beredco Rig #2 — Drill Collar Length 223 — I. D. 2.2 in.

Mud Type Starch — Viscosity 36 — Weight Pipe Length - — I. D. - in.

Weight 10.0 — Water Loss 20.8 cc. — Drill Pipe Length 2417 — I. D. 3.8 in.

Chlorides 96,000 P.P.M. — Test Tool Length 23 ft. — Tool Size 5½OD in.

Jars: Make - — Serial Number - — Anchor Length 72 ft. — Size 5½OD 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 4½XH in.

Blow: Strong throughout initial flow period

Recovered 1880 ft. of salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:23 A.M. P.M. — Time Started Off Bottom 1:23 A.M. P.M. — Maximum Temperature 109

Initial Hydrostatic Pressure		(A) 1356 P.S.I.		
Initial Flow Period	Minutes 20	(B) 661 P.S.I.	to (C) 821 P.S.I.	
Initial Closed In Period	Minutes 30	(D) 902 P.S.I.		
Final Flow Period	Minutes 30	(E) 902 P.S.I.	to (F) 904 P.S.I.	
Final Closed In Period	Minutes 30	(G) 912 P.S.I.		
Final Hydrostatic Pressure		(H) 1267 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 3/13/81 Test Ticket No. 9489

Recorder No. 2606 Capacity 4150 Location 2548 Ft.

Clock No. - Elevation - Well Temperature 109 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1356 P.S.I.	Open Tool	1:23 M	
B	First Initial Flow Pressure	661 P.S.I.	First Flow Pressure	30 Mins.	20 Mins.
C	First Final Flow Pressure	821 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	902 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	902 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	904 P.S.I.			
G	Final Closed-in Pressure	912 P.S.I.			
H	Final Hydrostatic Mud	1267 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: 4 Inc. of 5 mins. and a final inc. of 0 Min.		Initial Shut-In Breakdown: 10 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	661	0	821	0	902	0	904
P 2 5	690	3	854	5	903	3	908
P 3 10	755	6	869	10	904	6	909
P 4 15	798	9	879	15	905	9	910
P 5 20	821	12	886	20	905	12	911
P 6		15	892	25	904	15	912
P 7		18	896	30	904	18	912
P 8		21	898			21	912
P 9		24	899			24	912
P10		27	900			27	912
P11		30	902			30	912
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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Jkt #9489

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