

Company Beren Oil Corporation Lease & Well No. Henning #1
 Elevation 1692 Kelly Bushing Indian Cave Formation Effective Pay - Ft. Ticket No. 6915
 Date 10-1-80 Sec. 30 Twp. 29S Range 9W County Kingman State Kansas
 Test Approved by Steve Dixon Western Representative Rodger A. Mounts

Formation Test No. 1 Interval Tested from 2479 ft. to 2518 ft. Total Depth 2518 ft.
 Packer Depth 2443 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2448 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2461 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 2464 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Beredco Drilling Rig #1 Drill Collar Length 310 I. D. 2.2 in.
 Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 19.2 cc. Drill Pipe Length 2149 I. D. 3.8 in.
 Chlorides 64,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 39 ft. Size 5 1/2 OD in.
 Did Well Flow? Yes 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 XH in.

Blow: Strong blow initial flow period. Gas to surface one-half minute. Gauged 9,980,000 in 25 minutes. Strong blow final flow period with salt water mist. See attached sheet for gas measurements.

Recovered 410 ft. of gas cut salt water 118,000 P.P.M. Chlorides
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 11:08 ~~A.M.~~ P.M. Time Started Off Bottom 1:08 ~~A.M.~~ P.M. Maximum Temperature 96
 Initial Hydrostatic Pressure (A) 1367 P.S.I.
 Initial Flow Period Minutes 30 (B) 871 P.S.I. to (C) 858 P.S.I.
 Initial Closed In Period Minutes 30 (D) 986 P.S.I.
 Final Flow Period Minutes 30 (E) 908 P.S.I. to (F) 877 P.S.I.
 Final Closed In Period Minutes 30 (G) 983 P.S.I.
 Final Hydrostatic Pressure (H) 1334 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-1-80

Test Ticket No. 6915

Recorder No. 1566

Capacity 4300

Location 2461 Ft.

Clock No. - Elevation 1692 Kelly Bushing

Well Temperature 96 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1367</u>	P.S.I.	<u>11:08A</u>	<u>M</u>
B First Initial Flow Pressure	<u>871</u>	P.S.I.	<u>30</u>	<u>Mins.</u> <u>30</u> <u>Mins.</u>
C First Final Flow Pressure	<u>858</u>	P.S.I.	<u>30</u>	<u>Mins.</u> <u>30</u> <u>Mins.</u>
D Initial Closed-in Pressure	<u>986</u>	P.S.I.	<u>30</u>	<u>Mins.</u> <u>30</u> <u>Mins.</u>
E Second Initial Flow Pressure	<u>908</u>	P.S.I.	<u>30</u>	<u>Mins.</u> <u>30</u> <u>Mins.</u>
F Second Final Flow Pressure	<u>877</u>	P.S.I.		
G Final Closed-in Pressure	<u>983</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1334</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: 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 <u>0</u>	<u>871</u>	<u>0</u>	<u>858</u>	<u>0</u>	<u>908</u>	<u>0</u>	<u>877</u>
P 2 <u>5</u>	<u>871</u>	<u>3</u>	<u>944</u>	<u>5</u>	<u>901</u>	<u>3</u>	<u>938</u>
P 3 <u>10</u>	<u>873</u>	<u>6</u>	<u>962</u>	<u>10</u>	<u>893</u>	<u>6</u>	<u>951</u>
P 4 <u>15</u>	<u>873</u>	<u>9</u>	<u>968</u>	<u>15</u>	<u>893</u>	<u>9</u>	<u>961</u>
P 5 <u>20</u>	<u>867</u>	<u>12</u>	<u>973</u>	<u>20</u>	<u>888</u>	<u>12</u>	<u>968</u>
P 6 <u>25</u>	<u>862</u>	<u>15</u>	<u>976</u>	<u>25</u>	<u>880</u>	<u>15</u>	<u>972</u>
P 7 <u>30</u>	<u>858</u>	<u>18</u>	<u>978</u>	<u>30</u>	<u>877</u>	<u>18</u>	<u>975</u>
P 8 _____	_____	<u>21</u>	<u>980</u>	_____	_____	<u>21</u>	<u>977</u>
P 9 _____	_____	<u>24</u>	<u>982</u>	_____	_____	<u>24</u>	<u>979</u>
P10 _____	_____	<u>27</u>	<u>984</u>	_____	_____	<u>27</u>	<u>981</u>
P11 _____	_____	<u>30</u>	<u>986</u>	_____	_____	<u>30</u>	<u>983</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

JK # 6915

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