

Company Defiance Oil Company Lease & Well No. Roby #1
 Elevation 1380 Ground Level Formation Arbuckle Effective Pay - Ft. Ticket No. 13127
 Date 3/8/82 Sec. 20 Twp. 28S Range 9E County Elk State Kansas
 Test Approved by Mike G. Russell Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 2888 ft. to 2898 ft. Total Depth 2898 ft.
 Packer Depth 2883 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2888 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) AP 2873 ft. Recorder Number 5666 Cap. 3950
 Bottom Recorder Depth (Outside) AP 2876 ft. Recorder Number 3354 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Glacier Drlg. Rig #2 Drill Collar Length 337 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 53 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 8.2 cc. Drill Pipe Length 2520 I. D. 3.8 in.
 Chlorides 1,200 P.P.M. Test Tool Length 30 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 10 ft. Size 4 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 4FH in.

Blow: NO

Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of SMALL SAMPLE MUD AND OIL IN TOOL
 Recovered ft. of

Remarks:

Time Set Packer(s) 5:30 ~~P.M.~~ A.M. Time Started Off Bottom 7:30 ~~P.M.~~ A.M. Maximum Temperature 114°
 Initial Hydrostatic Pressure 1380 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 2 P.S.I. to (C) 2 P.S.I.
 Initial Closed In Period 30 Minutes (D) 2 P.S.I.
 Final Flow Period 30 Minutes (E) 2 P.S.I. to (F) 2 P.S.I.
 Final Closed In Period 30 Minutes (G) 6 P.S.I.
 Final Hydrostatic Pressure 1380 (H) P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3/8/82 Recorder No. 5666 Capacity 3950 Test Ticket No. 13127
 Clock No. --- Elevation 1380 Ground Level Location 2873 AP Ft. 114 Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1380	P.S.I.	5:30A	M
B First Initial Flow Pressure	2	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	2	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	2	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	2	P.S.I.	30	Mins. 30 Mins.
F Second Final Flow Pressure	2	P.S.I.	30	Mins. 30 Mins.
G Final Closed-in Pressure	6	P.S.I.		
H Final Hydrostatic Mud	1380	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	0	0	2	0	2	0	2
P 2	5	3	2	5	2	3	2
P 3	10	6	2	10	2	6	2
P 4	15	9	2	15	2	9	2
P 5	20	12	2	20	2	12	2
P 6	25	15	2	25	2	15	2
P 7	30	18	2	30	2	18	2
P 8		21	2			21	3
P 9		24	2			24	4
P10		27	2			27	5
P11		30	2			30	6
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JK # 13/27

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5666

