



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Carr Explorations, Inc. Lease & Well No. Broadhurst #1
 Elevation 1168 Ground Level Formation Foraker Effective Pay - Fr. Ticket No. 21950
 Date 9-4-77 Sec. 11 Twp. 33S Range 2E County Sumner State Kansas
 Test Approved by Gary E. Caruthers Western Representative Norman Allen
 Formation Test No. 2 O.K. Misrun Interval Tested From 763' to - Total Depth 3583'
 Size Main Hole 7 7/8 Rat Hole - Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth - Ft. Size - Bottom Packer Depth 763 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length - Ft. Size - Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
 RECORDERS Depth 782 Ft. Clock No. 8474 Depth 785 Ft. Clock No. 9727
 Top Make Kuster Cap. 3150 No. 1562 ~~Inside~~ Outside Bottom Make Kuster Cap. 3200 No. 1561 ~~Inside~~ Outside
 Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside
 Time Set Packer 5:11P M
 Tool Open I.F.P. From 5:15P M. to 6:15P M. - Hr. 60 Min. From (B) 233 P.S.I. To (C) 257 P.S.I.
 Tool Closed I.C.I.P. From 6:15P M. to 6:45P M. - Hr. 30 Min (D) 342 P.S.I.
 Tool Open F.F.P. From - M. to - M. - Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.
 Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.
 Initial Hydrostatic Pressure (A) 413 P.S.I. Final Hydrostatic Pressure (H) 405 P.S.I. Maximum Temp. 89

INFORMATION

BLOW Very strong throughout test. (Gas to surface 1 1/2 minutes) See attached sheet. Mud to surface 10 minutes throughout test.

Did Well Flow Gas Yes No Recovery Total Ft. 270' drilling mud

Reversed Out Yes No X Mud Type Chem Viscosity 46 Weight 9.9 Water Loss 12.8 cc. Chlorides 3,300 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 1/2 OD In. Make W.T.C. Ser. No. 406

Dual Packer No Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR White & Ellis Drllg Co. Length Drill Pipe 649 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 90 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H-90 In. Length D.S.T. Tool 77 Ft. Hook tool set at 796:

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 9-4-77 Test Ticket No. 21950
 Recorder No. 1562 Capacity 3150 Location 782 Ft.
 Clock No. 8474 Elevation 1168 Ground Level Well Temperature 89 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	413 P.S.I.	Open Tool	5:11P	M
B First Initial Flow Pressure	233 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	257 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	342 P.S.I.	Second Flow Pressure	- Mins.	- Mins.
E Second Initial Flow Pressure	not taken P.S.I.	Final Closed-in Pressure	- Mins.	- Mins.
F Second Final Flow Pressure	not taken P.S.I.			
G Final Closed-in Pressure	not taken P.S.I.			
H Final Hydrostatic Mud	405 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>-</u> Inc.		Breakdown: <u>-</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	233	0	257			
P 2	5	222	3	328			
P 3	10	225	6	333			
P 4	15	236	9	337			
P 5	20	239	12	338			
P 6	25	246	15	339			
P 7	30	247	18	339			
P 8	35	249	21	340			
P 9	40	250	24	340			
P10	45	253	27	341			
P11	50	255	30	342			
P12	55	256					
P13	60	257					
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK# 21950

I.



1562