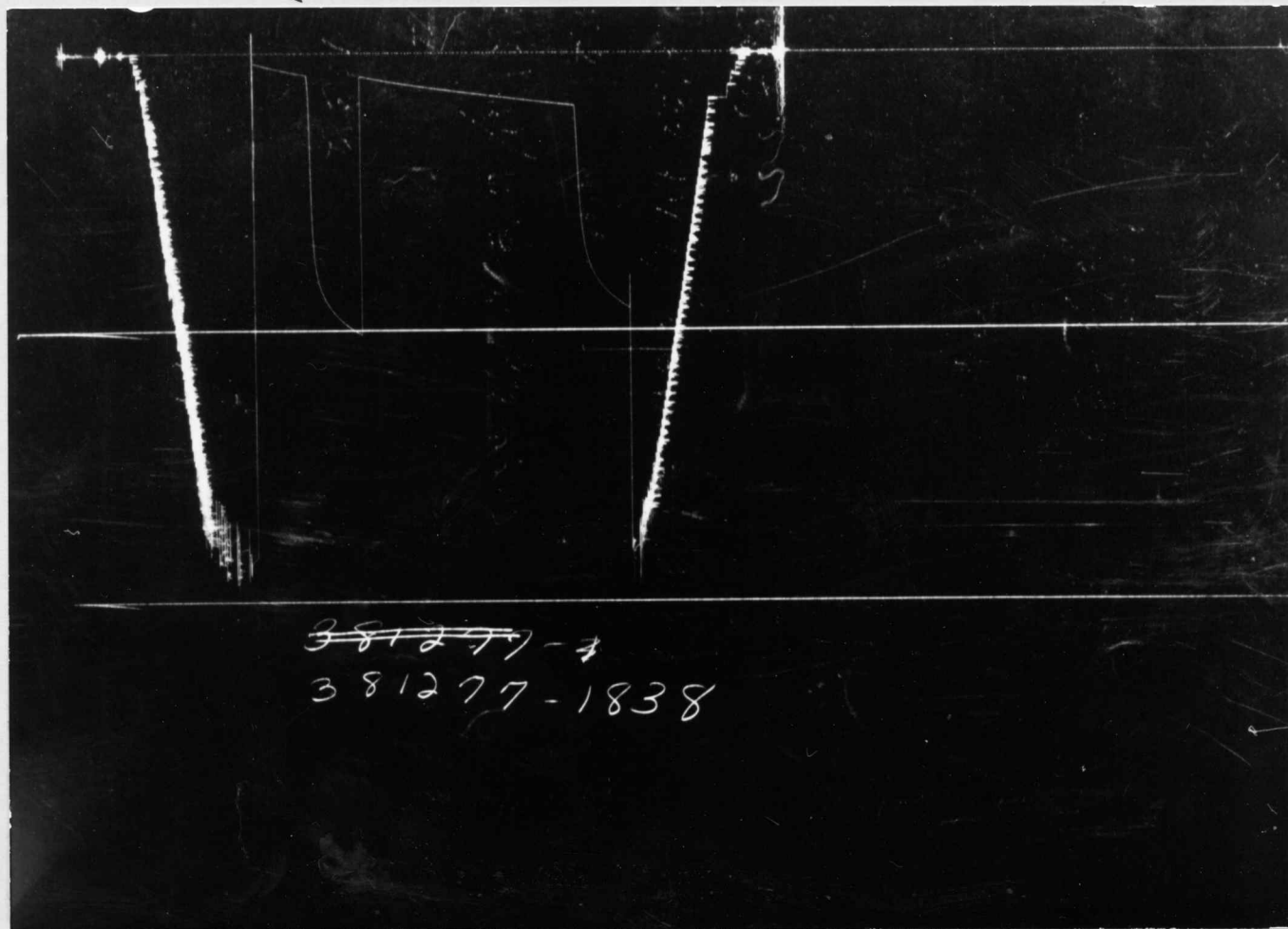


PRESSURE

TIME



Each Horizontal Line Equal to 1000 p.s.i.

Flow Time	1st 30 Min.	2nd 120 Min.	Date	3-20-66	Ticket Number	381277 S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field	Office Corrected	Tester	NUTTING	Witness	COMPTON
Depth Top Gauge	3286 Ft.	no Blanked Off	Drilling Contractor	BRADEN DRILLING INCORPORATED SS		
BT. P.R.D. No.	1839	12 Hour Clock	Elevation	1994'	Top Packer	3295'
Initial Hydro Mud Pressure	b.t. not	sent in	Total Depth	3328'	Bottom Packer	3300'
Initial Closed in Pres.			Interval Tested	3300' - 3328'	Formation Tested	KANSAS CITY
Initial Flow Pres.	1		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.
Final Flow Pres.	1		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.			Size & Kind Drill Pipe	540' FLEX WT. 4 1/2" X HOLE	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure			Mud Weight	10.3	Mud Viscosity	37
Depth Cen. Gauge		Blanked Off	Temperature	102 °F Est. °F Actual	Anchor Size & Length	ID 3.75" OD 5.00" X 28'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHING	Depth of Tester Valve	3277' Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.			Cushion		oil cut mud	
Initial Flow Pres.	1		Recovered	5	Feet of	2 or 3 inches free oil
Final Flow Pres.	1		Recovered	60	Feet of	muddy water
Final Closed in Pres.			Recovered	60	Feet of	muddy water
Final Hydro Mud Pres.			Recovered	180	Feet of	water
Depth Bot. Gauge	3324 Ft.	yes Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.	1838	12 Hour Clock	Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.	1840	1808	Tool Opened	6:22 am A.M. P.M.	Tool Closed	9:22 A.M. P.M.
Initial Closed in Pres.	1018	1020	Remarks	Tool opened for 30 minute first flow with		
Initial Flow Pres.	55 1 39			weak blow. Closed for 30 minute initial closed in		
Final Flow Pres.	83 2 88			pressure. Reopened for 120 minute second flow with		
Final Closed in Pres.	83 1 82			weak blow. Closed for 30 minute final closed in		
Final Hydro Mud Pres.	1840	1800		pressure.		

FORMATION TEST DATA

Legal Location
Sec. - Twp. - Rng. SE-SE-NE-18-17-15

Lease Name

Well No.

Test No.

Field Area
WILDCAT

County
BARTON

Lease Owner/Company Name

State

KANSAS

Owner's District

STOS

1

1

ADAIR OIL COMPANY

KANSAS

5

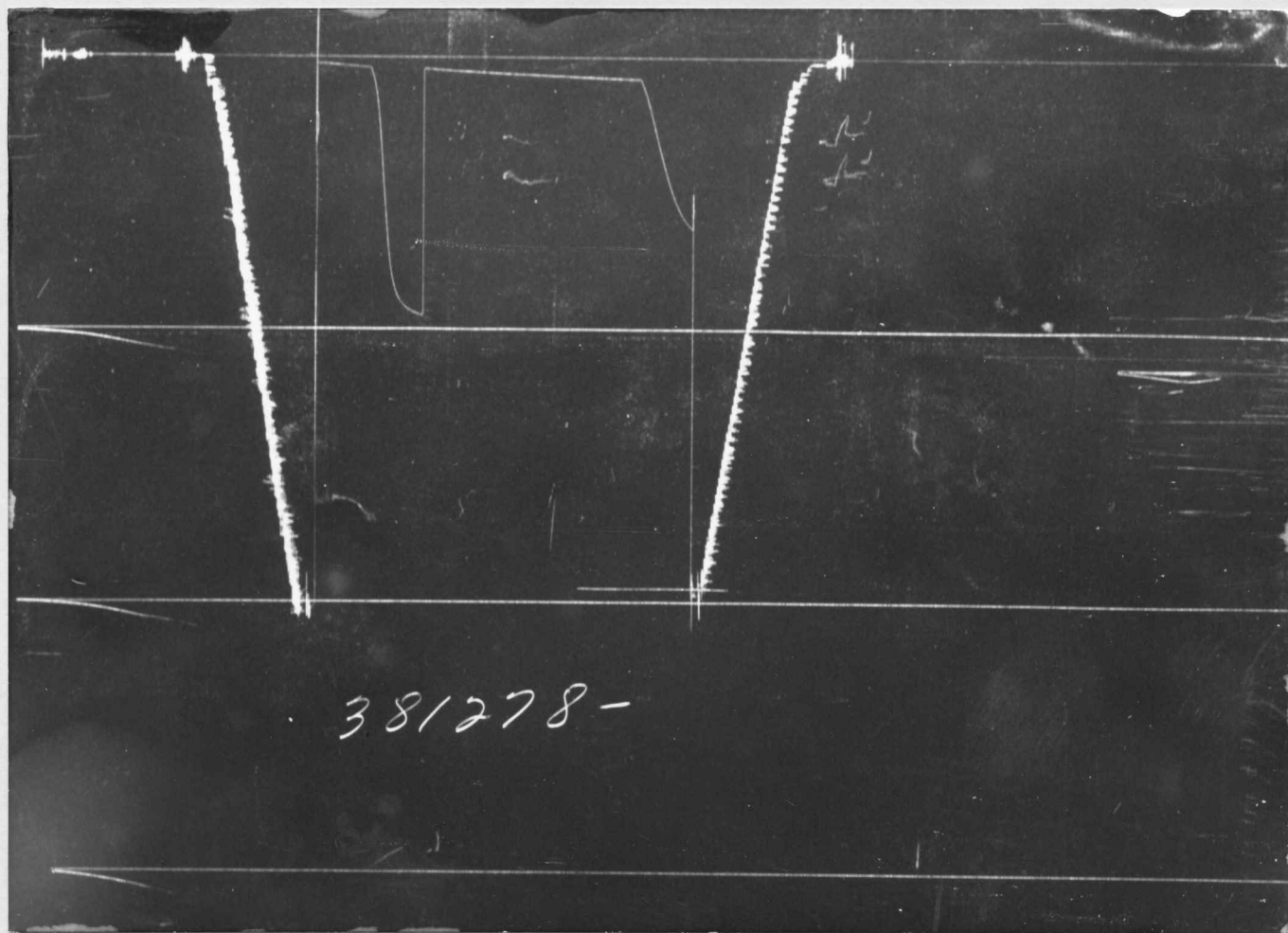
Gauge No. 1839		Depth 3286		Clock 12 hour		Ticket No. 381277				
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
P ₀			E.T. NOT SENT IN							
P ₁										
P ₂										
P ₃										
P ₄										
P ₅										
P ₆										
P ₇										
P ₈										
P ₉										
P ₁₀										

Gauge No. 1838			Depth 3324			Clock 12		hour		
P ₀	.000	39	.000		82	.000	88	.000		193
P ₁	.0432	48	.0215		675	.1427	110	.0216		560
P ₂	.0864	58	.0430		832	.2854	129	.0432		717
P ₃	.1296	66	.0645		886	.4281	147	.0648		779
P ₄	.1728	74	.0860		919	.5708	163	.0864		818
P ₅	.216	82	.1075		946	.7135	179	.1080		845
P ₆			.1290		966	.856	193	.1296		867
P ₇			.1505		984			.1512		885
P ₈			.1720		997			.1728		900
P ₉			.1935		1010			.1944		914
P ₁₀			.215		1020			.216		926
Reading Interval 6			3			20		3 Minutes		
REMARKS:										

SPECIAL PRESSURE DATA

PRESSURE

TIME



Flow Time	1st 30 Min.	2nd 120 Min.	Date	3-21-66	Ticket Number	381278 S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field	Office Corrected	Tester	C..L. NUTTING	Witness	MR. COMPTON
Depth Top Gauge	3540 Ft.	no Blanked Off	Drilling Contractor	BRADEN DRILLING INCORPORATED LC		
BT. P.R.D. No.	1839	12 Hour Clock	Elevation	1994'	Top Packer	3549'
Initial Hydro Mud Pressure	THIS B.T. NOT SENT		Total Depth	3562'	Bottom Packer	3554'
Initial Closed in Pres.	IN. NO CHART		Interval Tested	3554' - 3562'	Formation Tested	Arbuckle
Initial Flow Pres.	1 REPRODUCTION.		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.
Final Flow Pres.	1 2		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.			Size & Kind Drill Pipe	Flex Wt. 540' 4 1/2" FH	Drill Collars Above Tester	I.D. - LENGTH none
Final Hydro Mud Pressure			Mud Weight	10.3	Mud Viscosity	45
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	104 °F Est. °F Actual	Anchor Size & Length	ID 3.75" OD 5.00" X 8'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Kelly Bushing	Depth of Tester Valve	3531 Ft.
Initial Hydro Mud Pres.			Cushion	TYPE AMOUNT none	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			Recovered	30 Feet of clean oil.	Med. From Tester Valve	
Initial Flow Pres.	1 2		Recovered	60 Feet of muddy oil		
Final Flow Pres.	1 2		Recovered	60 Feet of oily mud.		
Final Closed in Pres.			Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity	36 @ 60°	Water Spec. Gravity	
Depth Bot. Gauge	3558 Ft.	yes Blanked Off	Gas Gravity	-	Surface Pressure	psi
BT. P.R.D. No.	1838	12 Hour Clock	Tool Opened	8:54 P.M.	A.M. P.M.	Tool Closed 11:54 A.M. P.M.
Initial Hydro Mud Pres.	2025	1995	Remarks Opened tool for a 30 minute first flow with a			
Initial Closed in Pres.	944	938	weak blow. Took a 30 minute initial closed in pres.			
Initial Flow Pres.	18 37	1 2 44	sure. Reopened tool for a 120 minute second flow			
Final Flow Pres.	37 73	1 2 79	with a weak blow. Tool closed for a 30 minute			
Final Closed in Pres.	624	623	final closed in pressure.			
Final Hydro Mud Pres.	2025	1931				

FORMATION TEST DATA

STOS

Lease Name

Well No.

Test No.

E. H. ADAIR OIL COMPANY

Lease Owner/Company Name

Legal Location
Sec. - Twp. - Rng.

SE SE NE 18 17 15

Field Area

WILDCAT

County

BARTON

State

KANSAS

Owner's District

KANSAS

Gauge No. 1839			Depth 3540'			Clock 12 hour			Ticket No. 381278		
First Flow Period			Initial Closed In Pressure			Second Flow Period			Final Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀											
P ₁	THIS CHART NOT SENT IN -- NO CHART										
P ₂											
P ₃			REPRODUCTION								
P ₄											
P ₅											
P ₆											
P ₇											
P ₈											
P ₉											
P ₁₀											

Gauge No.			1838			Depth			3558'			Clock			12			hour			
P ₀	.000	25		.000		39		.000	44		.000									79	
P ₁	.0428	27		.0215		109		.1437	52		.0214									131	
P ₂	.0856	30		.0430		279		.2874	58		.0428									198	
P ₃	.1284	34		.0645		544		.4311	64		.0642									278	
P ₄	.1712	37		.0860		755		.5748	70		.0856									352	
P ₅	.2140	39		.1075		851		.7185	74		.1070									424	
P ₆				.1290		889		.8620	79		.1284									487	
P ₇				.1505		909					.1498									537	
P ₈				.1720		922					.1712									575	
P ₉				.1935		930					.1926									603	
P ₁₀				.2150		938					.2140									623	
Reading Interval		6		3			20			3			Minutes								
REMARKS:																					

SPECIAL PRESSURE DATA

PRESSURE

TIME

381279 . 1838

EACH HORIZONTAL LINE EQUAL TO 1000 PSI

Flow Time	1st Min. 35	2nd Min. 90	Date	3-22-66	Ticket Number	381279 - S
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field	Office Corrected	Tester	MR. NUTTING	Witness	MR. COMPTON
Depth Top Gauge	3550 Ft.	NO Blanked Off	Drilling Contractor	BRADEN DRILLING INCORPORATED IC		
BT. P.R.D. No.	1839	12 Hour Clock	Elevation	1994'	Top Packer	3557'
Initial Hydro Mud Pressure	NOT SENT IN		Total Depth	3570'	Bottom Packer	3562'
Initial Closed in Pres.			Interval Tested	3562'-3570'	Formation Tested	ARBUCKLE
Initial Flow Pres.	1		Casing or Hole Size	7 7/8"	Casing Perfs. } Top	-
Final Flow Pres.	1		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.			Size & Kind Drill Pipe	540' FLEX WT. 4 1/2"	Drill Collars Above Tester	I.D. - LENGTH -
Final Hydro Mud Pressure			Mud Weight	10.3	Mud Viscosity	43
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	104 °F Est. °F Actual	Anchor Size & Length	ID 3.75" OD 5.00" X 8'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHINGS	Depth of Tester Valve	3539' Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			Cushion	- Ft.		
Initial Flow Pres.	1		Recovered	90 Feet of	Oil cut mud	
Final Flow Pres.	1		Recovered	Feet of		
Final Closed in Pres.			Recovered	Feet of		
Final Hydro Mud Pres.			Recovered	Feet of		
Depth Bot. Gauge	3566 Ft.	YES Blanked Off	Oil A.P.I. Gravity	-	Water Spec. Gravity	-
BT. P.R.D. No.	1838	12 Hour Clock	Gas Gravity	-	Surface Pressure	- psi
Initial Hydro Mud Pres.	2025	1952	Tool Opened	8:25 AM A.M. P.M.	Tool Closed	11:30 AM A.M. P.M.
Initial Closed in Pres.	770	765	Remarks Opened tool for 35 minute 1st flow with a			
Initial Flow Pres.	55 1	57	weak blow. Closed tool for 30 minute initial			
Final Flow Pres.	55 2	60	closed in pressure. Reopened tool for 90 minute			
Final Closed in Pres.	642	627	2nd flow with a weak blow; dead in 55 minutes.			
Final Hydro Mud Pres.	2025	1942	Bypassed tool during flow with weak blow in 8			
			minutes. Closed tool for 30 minute final closed			
			in pressure.			

FORMATION TEST DATA

5

STOS
Lease Name
Well No.
Test No.
E. H. ADAIR OIL COMPANY
Lease Owner/Company Name
KANSAS
Owner's District

SEC. 18 - 17 - 15 SE/SE/NE
Field Area
WITGAT
County
BARTON
State
KANSAS

Gauge No. 1839			Depth 3550'			Clock 12 hour			Ticket No. 381279		
First Flow Period			Initial Closed In Pressure			Second Flow Period			Final Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀											
P ₁											
P ₂											
P ₃											
P ₄											
P ₅											
P ₆											
P ₇											
P ₈											
P ₉											
P ₁₀											

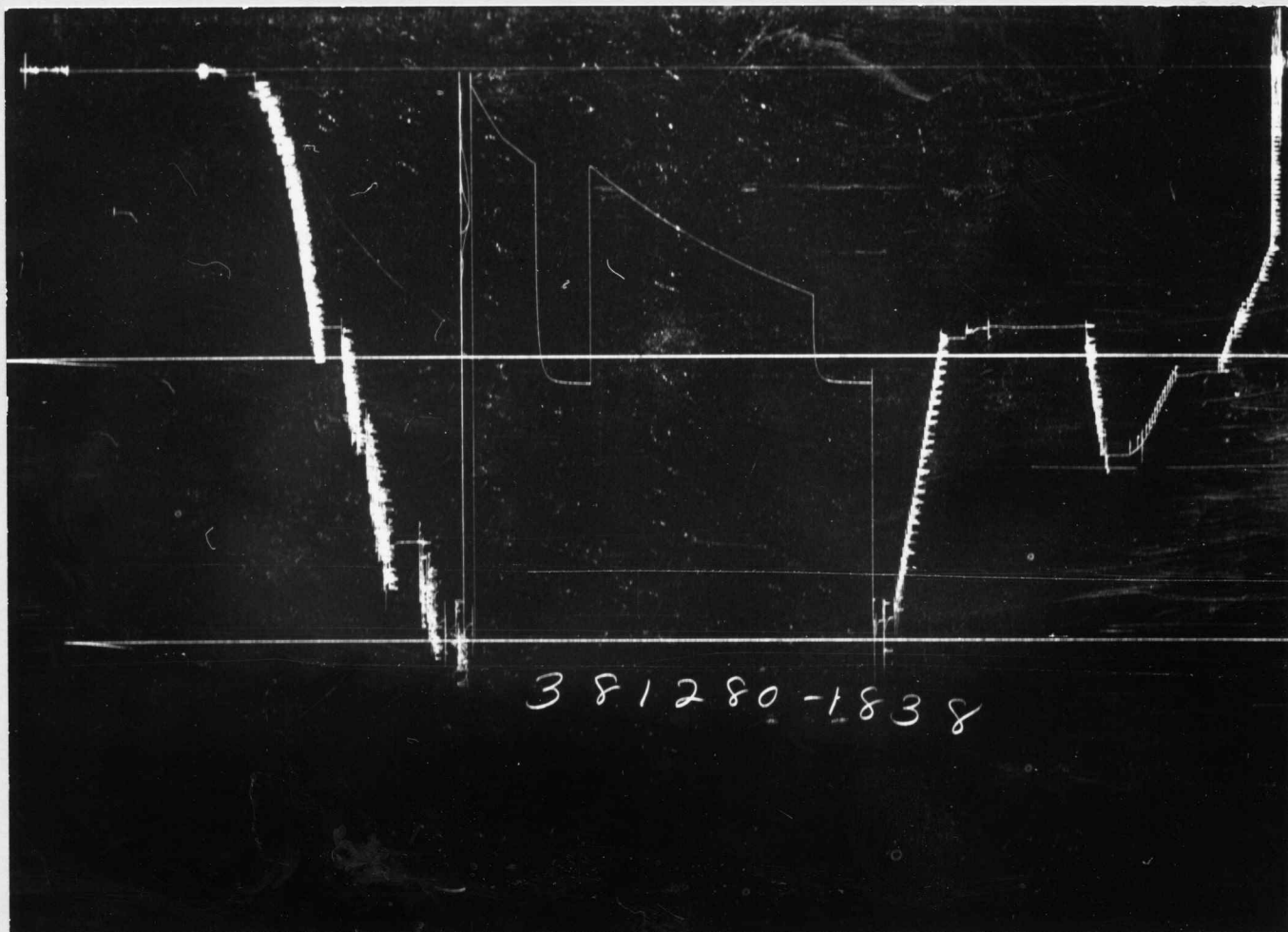
Gauge No. 1838			Depth 3566'			Clock 12		hour		
P ₀	.000	57	.000		56	.000	60	.000		71
P ₁	.251	56	.0209		83	.1073	60	.0219		118
P ₂			.0418		121	.2146	61	.0438		184
P ₃			.0627		166	.3219	62	.0657		259
P ₄			.0836		222	.4292	65	.0876		328
P ₅			.1045		297	.5365	73	.1095		393
P ₆			.1254		402	.6440	71	.1314		457
P ₇			.1463		534			.1533		511
P ₈			.1672		656			.1752		563
P ₉			.1881		728			.1971		598
P ₁₀			.2090		765			.2190		627
Reading Interval			3			15		3 Minutes		

REMARKS:

SPECIAL PRESSURE DATA

PRESSURE

TIME



381280-1838

Flow Time	1st 34	Min.	2nd 120	Min.	Date	3-22-66		Ticket Number	381280	S	Legal Location Sec. - Twp. - Rng. SE-SE-NE-18-17-15	Well No.	Field Area WILDCAT	County BARTON	Mec. From Tester Valve	State KANSAS	Owner's District	
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	OPEN HOLE		Halliburton District	GREAT BEND									
Pressure Readings	Field		Office Corrected		Tester	NUTTING		Witness	COMPTON									
Depth Top Gauge	3542	Ft.	no	Blanked Off	Drilling Contractor	BRADEN DRILLING INCORPORATED												SS
BT. P.R.D. No.	1839		12	Hour Clock	Elevation	1994'		Top Packer	3551'									
Initial Hydro Mud Pressure	b.t. not		sent in		Total Depth	3577'		Bottom Packer	3556'									
Initial Closed in Pres.					Interval Tested	3556' - 3577'		Formation Tested	ARBUCKLE									
Initial Flow Pres.	1				Casing or Hole Size	7 7/8"		Casing Perfs.	{ Top									
Final Flow Pres.	1				Surface Choke	1"		Bottom Choke	3/4"									
Final Closed in Pres.					Size & Kind Drill Pipe	540' FLEX WT. 4 1/2"		Drill Collars Above Tester	I.D. - LENGTH									
Final Hydro Mud Pressure					Mud Weight	10.3		Mud Viscosity	43									
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	104	*F Est.	Anchor Size & Length	ID 3.75"	OD 5.00" X 21'								
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KELLY BUSHING		Depth of Tester Valve	3533'									
Initial Hydro Mud Pres.					Cushion	TYPE AMOUNT		Depth Back Pres. Valve										
Initial Closed in Pres.					Recovered	5 Feet of oil												
Initial Flow Pres.	1				Recovered	1440 Feet of water												
Final Flow Pres.	1				Recovered	Feet of												
Final Closed in Pres.					Recovered	Feet of												
Final Hydro Mud Pres.					Oil A.P.I. Gravity			Water Spec. Gravity										
Depth Bot. Gauge	3573	Ft.	yes	Blanked Off	Gas Gravity			Surface Pressure										
BT. P.R.D. No.	1838		12	Hour Clock	Tool Opened	9:56 pm	A.M. P.M.	Tool Closed	1:00 am	A.M. P.M.								
Initial Hydro Mud Pres.	2025		1951		Remarks	Tool opened for 34 minute first flow with												
Initial Closed in Pres.	1100		1101		strong blow. Closed for 30 minute initial closed													
Initial Flow Pres.	55	1	62		in pressure. Reopened for 120 minute second flow													
Final Flow Pres.	330	1	333		with strong blow. Closed for 30 minute final closed													
Final Closed in Pres.	1100		1100		in pressure.													
Final Hydro Mud Pres.	2025		1937															

FORMATION TEST DATA

5

Gauge No. 1839			Depth 3542'			Clock 12 hour		Ticket No. 381280		
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀			B.T.	NOT SENT	IN					
P ₁										
P ₂										
P ₃										
P ₄										
P ₅										
P ₆										
P ₇										
P ₈										
P ₉										
P ₁₀										

Gauge No. 1838			Depth 3573'			Clock 12 hour				
P ₀	.000	62	.000		333	.000	345	.000		794
P ₁	.0507	142	.0208		1021	.1428	441	.0224		1071
P ₂	.1014	217	.0416		1073	.2856	533	.0448		1089
P ₃	.1520	266	.0624		1088	.4284	610	.0672		1094
P ₄	.2027	305	.0832		1093	.5712	679	.0896		1096
P ₅	.2460	333*	.1040		1097	.7140	740	.1120		1098
P ₆		7	.1248		1098	.857	794	.1344		1099
P ₇		6	.1456		1099	.4284	610	.1568		1100
P ₈		5	.1664		1100	.5712	679	.1792		1100
P ₉		3	.1872		1101	.7140	740	.2016		1100
P ₁₀			.2080		1101	.857	794	.2240		1100
Reading Interval 7			3			20		3 Minutes		

REMARKS: * LAST INTERVAL EQUAL TO 6 MINUTES

SPECIAL PRESSURE DATA