

Flow Time	1st Min. 5	2nd Min. 30	Date	8-3-66	Ticket Number	412142-S
Closed in Press. Time	1st Min. 15	2nd Min. 45	Kind of Job	Open hole	Halliburton District	Great Bend
Pressure Readings	Field	Office Corrected	Tester	Jack Walker	Witness	Mr. Douglass
Depth Top Gauge	Ft.	Blanked Off	Drilling Contractor	BRADEN DRILLING COMPANY	SM	
BT. P.R.D. No.		Hour Clock	Elevation	1813'	Top Packer	-
Initial Hydro Mud Pressure			Total Depth	3735'	Bottom Packer	3703'
Initial Closed in Pres.			Interval Tested	3703-3735'	Formation Tested	
Initial Flow Pres.	1		Casing or Hole Size	7 7/8"	Casing Perfs. } Top	
	2				Casing Perfs. } Bot.	
Final Flow Pres.	1		Surface Choke	1"	Bottom Choke	3/4"
	2					I.D. - LENGTH
Final Closed in Pres.			Size & Kind Drill Pipe	4 1/2" X Hole	Drill Collars Above Tester	
Final Hydro Mud Pressure			Mud Weight	9.9	Mud Viscosity	38
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	101	Anchor Size & Length	ID 2 3/8 OD 4 1/2 X 3.2'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Derrick Floor	Depth of Tester Valve	3697 Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.			Cushion			
Initial Flow Pres.	1		Recovered	20 Feet of	drilling mud	
	2			Gas to surface		
Final Flow Pres.	1		Recovered	Feet of		
	2					
Final Closed in Pres.			Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	3733 Ft.	yes Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	396	12 Hour Clock	Tool Opened	4:15	A.M. P.M.	Tool Closed A.M. P.M.
Initial Hydro Mud Pres.	2040	2027	Remarks	Tool opened with a good blow for a 5		
Initial Closed in Pres.	87	98		minute first flow. Rotated tool for a 15		
Initial Flow Pres.	17	1 32		minute initial closed in pressure. Tool re-		
	26	2 35		opened with a good blow with gas to the surface		
Final Flow Pres.	26	1 34				
	35	2 43				
Final Closed in Pres.	78	89		at the end of flow. Took a 45 minute final		
Final Hydro Mud Pres.	2013	2011		closed in pressure.		

Legal Location Sec. - Twp. - Rng. HAYS
 Lease Name DU-3
 Well No. 11-24-11
 Test No. 1
 Field Area ZENITH
 County STAFFORD
 State KANSAS
 BRADEN ZENITH INCORPORATED
 Lease Owner/Company Name
 Owner's District

FORMATION TEST DATA
SPECIAL PRESSURE DATA

5

Gauge No.		Depth			Clock		hour		Ticket No. 412142	
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										

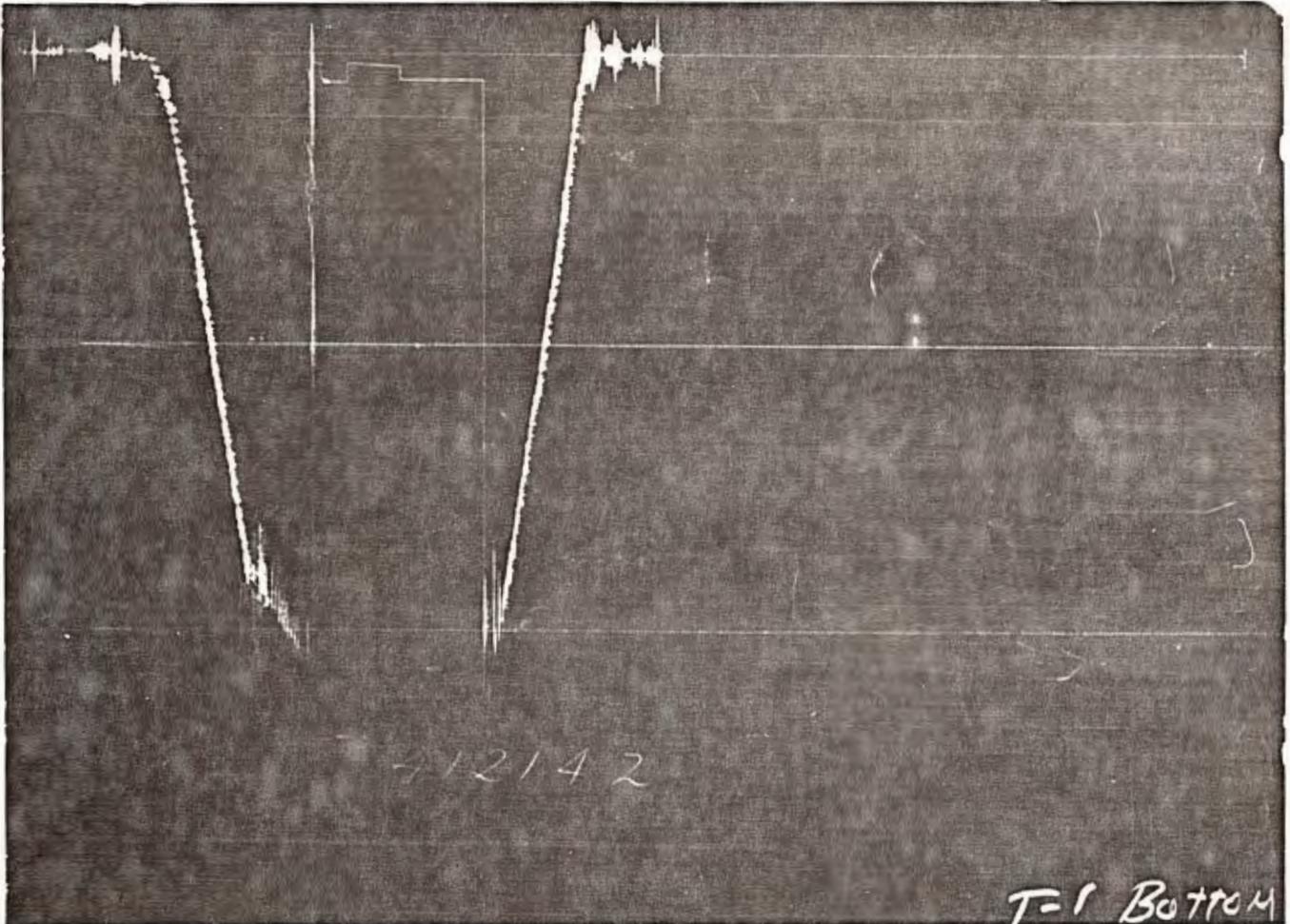
Gauge No.	396	Depth	3733'	Clock	12	hour			
P ₀	.000	32	.000	34	.000	35	.000		43
P ₁	.0068	30	.0106	88	.0422	34	.0332		89
P ₂	.0136	30	.0202	95	.0844	37	.0664		89
P ₃	.0204	31	.0318	97	.1266	38	.0996		89
P ₄	.0272	33	.0424	98	.1688	41	.1328		89
P ₅	.0340	34	.0530	98	.2110	43	.1660		89
P ₆			.0636	98			.1992		89
P ₇			.0742	98			.2324		89
P ₈			.0848	98			.2656		89
P ₉			.0954	98			.2988		89
P ₁₀			.1060	98			.3320		89
Reading Interval	1		1.5		6		4.5		Minutes

REMARKS:

SPECIAL PRESSURE DATA

PRESSURE

TIME



Each horizontal line equal to 1000 p.s.i.

Flow Time	1st 10	Min.	2nd 90	Min.	Date	8-5-66	Ticket Number	412143 S
Closed In Pres. Time	1st 20	Min.	2nd 60	Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field		Office Corrected		Tester	WALKER	Witness	MR. DOUGLASS
Depth Top Gauge	Ft.		Blanked Off		Drilling Contractor	BRADEN DRILLING COMPANY	SS	
BT. P.R.D. No.			Hour Clock		Elevation	1813'	Top Packer	
Initial Hydro Mud Pressure					Total Depth	3783'	Bottom Packer 3740'	
Initial Closed in Pres.					Interval Tested	3740' - 3783'	Formation Tested VIOLA	
Initial Flow Pres.	1				Casing or Hole Size	7 7/8"	Casing Perfs. } Top	
	2						Bot.	
Final Flow Pres.	1				Surface Choke	1"	Bottom Choke 3/4"	
Final Closed in Pres.	2				Size & Kind Drill Pipe	4 1/2" X HOLE	Drill Collars Above Tester - I.D. - LENGTH	
Final Hydro Mud Pressure					Mud Weight	10.2	Mud Viscosity 37	
Depth Cen. Gauge	Ft.		Blanked Off		Temperature	102	Anchor Size ID 2 3/8" X 43'	
						*F Est.	OD 4 1/2"	
						*F Actual		
BT. P.R.D. No.			Hour Clock		Depths Mea. From	DERRICK FLOOR	Depth of Tester Valve 3734' Ft.	
Initial Hydro Mud Pres.					Cushion		Depth Back Pres. Valve Ft.	
					TYPE AMOUNT			
Initial Closed in Pres.					Recovered	15	Feet of slightly oil cut mud	
Initial Flow Pres.	1				Recovered	100	Feet of gas	
	2							
Final Flow Pres.	1				Recovered		Feet of	
	2							
Final Closed in Pres.					Recovered		Feet of	
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	3779 Ft.		Blanked Off		Gas Gravity		Surface Pressure psi	
			yes					
			Off					
BT. P.R.D. No.	396		12		Hour Clock	Tool Opened 2:00	A.M. P.M.	Tool Closed 4:00 A.M. P.M.
Initial Hydro Mud Pres.	-		2020		Remarks	Tool opened for 10 minute first flow with		
Initial Closed in Pres.	-		105		a weak blow. Closed for 20 minute initial closed in			
Initial Flow Pres.	-		1		pressure. Reopened for 90 minute second flow with			
	-		2					
Final Flow Pres.	-		1		a weak blow throughout test. Closed for 60 minute			
	-		2					
Final Closed in Pres.	-		103		final closed in pressure.			
Final Hydro Mud Pres.	-		2009					

FORMATION TEST DATA

SPECIAL PRESSURE DATA

HAYLES
 Lease Name
 11-24-11
 Well No.
 2
 Test No.
 ZENITH
 County STAFFORD
 BRADEN ZENITH INCORPORATED
 Lease Owner/Company Name
 KANSAS
 Owner's District

5

Gauge No.		Depth			Clock		hour			Ticket No.
										412143
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.		Depth			Clock		hour			
396		3779'			12					
P ₀	.000	38	.000	39	.000	44	.000		56	
P ₁	.079	39	.0134	50	.1023	44	.0415		77	
P ₂			.0268	61	.2046	47	.0830		88	
P ₃			.0402	73	.3069	50	.1245		96	
P ₄			.0536	84	.4092	52	.1660		100	
P ₅			.0670	92	.5115	54	.2075		102	
P ₆			.0804	98	.614	56	.2490		102	
P ₇			.0938	102			.2905		103	
P ₈			.1072	104			.3320		103	
P ₉			.1206	105			.3735		103	
P ₁₀			.134	105			.415		103	
Reading Interval		2			15		6			Minutes

REMARKS:

SPECIAL PRESSURE DATA

↑
PRESSURE

↓

← TIME →

