

STOKES

Lease Name

53
Well No.1
Test No.

CITIES SERVICE PETROLEUM COMPANY

Lease Owner/Company Name

ELDORADO
Owner's DistrictLegal Location
Sec. - Twp. - Rng.

28-25S-5E 9001W 200S C

Field Area

ELDORADO

County

BUTLER

State

KANSAS

Flow Time	1st Min. 15	2nd Min. 45	Date	3-23-62	Ticket Number	323489	S
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE	Halliburton District	ELDORADO	
Pressure Readings	Field	Office Corrected	Tester	CLINE	Witness	MORRIS	
Depth Top Gauge	2542 Ft.	No Blanked Off	Drilling Contractor	WHITE & ELLIS			
BT. P.R.D. No.	536	12 Hour Clock	Elevation	1401' KB	Top Packer	2553'	
Initial Hydro Mud Pressure	1337	1332	Total Depth	2565'	Bottom Packer	2561'	
Initial Closed in Pres.	859	864	Interval Tested	2561-2565'	Formation Tested	3' Sand 1' Arbuckle	
Initial Flow Pres.	0	1 6	Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.	
Final Flow Pres.	9	1 10	Surface Choke		Bottom Choke	3/4"	
Final Closed in Pres.	759	770	Size & Kind Drill Pipe	4 1/2" ex hole	Drill Collars Above Tester	I.D. - LENGTH 2 1/4" x 80'	
Final Hydro Mud Pressure	1318	1320	Mud Weight	10	Mud Viscosity	40	
Depth Cen. Gauge		Blanked Off	Temperature	100 °F Est. °F Actual	Anchor Size & Length	ID 2 7/8" X OD 4 1/2" X 4'	
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	2549'	Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve		Ft.
Initial Closed in Pres.			Cushion				
Initial Flow Pres.	1		Recovered	10 Feet of	Free oil		Mea. From Tester Valve
Final Flow Pres.	2		Recovered	13 Feet of	Oil cut mud		
Final Closed in Pres.	1		Recovered				
Final Hydro Mud Pres.	2		Recovered				
Depth Bot. Gauge		Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity		
BT. P.R.D. No.		Hour Clock	Gas Gravity		Surface Pressure		psi
Initial Hydro Mud Pres.			Tool Opened	7:47 A.M. P.M.	Tool Closed	9:17 A.M. P.M.	
Initial Closed in Pres.			Remarks	Opened for 15 min. 1st flow.			
Initial Flow Pres.	1			Closed for 30 min. ICIP. Reopened for			
Final Flow Pres.	2			45 min. 2nd flow. Closed for 30 min.			
Final Closed in Pres.	1			FCIP.			
Final Hydro Mud Pres.	2						

FORMATION TEST DATA

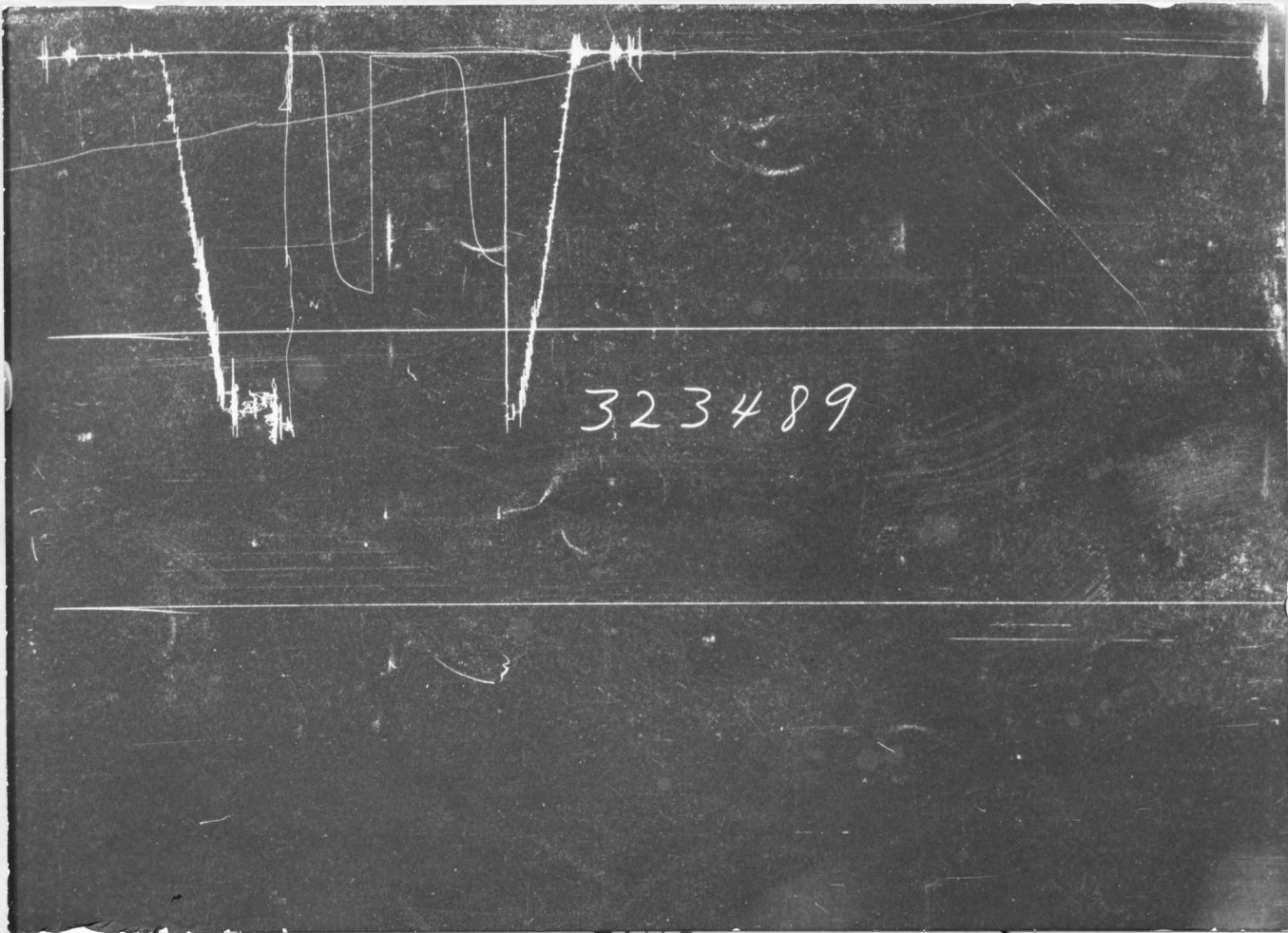
5

Gauge No. 536			Depth 2542'		Clock 12 hour		Ticket No. 323489			
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.
P ₀	.000	6	.000		10	.000	18	.000		17
P ₁	.108	10	.0205		73	.312	17	.0213		26
P ₂			.0410		619			.0426		58
P ₃			.0615		769			.0639		190
P ₄			.0820		809			.0852		564
P ₅			.1025		828			.1065		686
P ₆			.1230		840			.1278		720
P ₇			.1435		849			.1491		741
P ₈			.1640		853			.1704		755
P ₉			.1845		859			.1917		764
P ₁₀			.2050		864			.2130		770

Gauge No.			Depth			Clock		hour		
P ₀										
P ₁										
P ₂										
P ₃										
P ₄										
P ₅										
P ₆										
P ₇										
P ₈										
P ₉										
P ₁₀										
Reading Interval			3					3		
REMARKS:			Minutes							

SPECIAL PRESSURE DATA

55



PRESSURE

TIME

STOKES

Lease Name

53
Well No.2
Test No.CITIES SERVICE PETROLEUM COMPANY
Lease Owner/Company NameELDORADO, KANS.
Owner's DistrictLegal Location
Sec. - Twp. - Rng.

28-25-5

Field Area

ELDORADO, KANSAS

BUTLER

State

KANSAS

Flow Time	1st 15	Min.	2nd 45	Min.	Date	3-24-62		Ticket Number	323490 - S	
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	Open hole		Halliburton District	Eldorado, Kans.	
Pressure Readings	Field		Office Corrected		Tester	L. J. Cline		Witness	W. Morris	
Depth Top Gauge	2546		Ft.		Blanked Off			Drilling Contractor	White & Ellis	
BT. P.R.D. No.	536				Hour Clock			Elevation	1401 Kelly Bushing	
Initial Hydro Mud Pressure	1328		1324					Top Packer	2557	
Initial Closed in Pres.	887		882					Total Depth	2570	
Initial Flow Pres.	9		1 11					Bottom Packer	2565	
Final Flow Pres.	18		2 21					Interval Tested	2565-2570	
Final Closed in Pres.	18		1 11					Formation Tested	Arbuckle	
Final Hydro Mud Pressure	18		2 16					Casing or Hole Size	7 7/8"	
Depth Cen. Gauge								Casing Perfs.	{ Top Bot.	
BT. P.R.D. No.								Surface Choke	1"	
Initial Hydro Mud Pres.	831		827					Bottom Choke	3/4"	
Initial Closed in Pres.	1318		1320					Drill Collars Above Tester	4" x 2 1/4" x 80'	
Initial Flow Pres.								I.D. - LENGTH		
Final Flow Pres.								Mud Weight	10	
Final Closed in Pres.								Mud Viscosity	40	
Final Hydro Mud Pres.								Temperature	95 °F Est. °F Actual	
Depth Bot. Gauge								Anchor Size & Length	ID 2 7/8 X 5' OD 4 1/2	
BT. P.R.D. No.								Depths Mea. From	Kelly Bushing	
Initial Hydro Mud Pres.								Depth of Tester Valve	2540	
Initial Closed in Pres.								TYPE	AMOUNT	
Initial Flow Pres.								Cushion	Ft.	
Final Flow Pres.								Recovered	20 Feet of	
Final Closed in Pres.								Recovered	Feet of	
Final Hydro Mud Pres.								Recovered	Feet of	
Depth Bot. Gauge								Recovered	Feet of	
BT. P.R.D. No.								Oil A.P.I. Gravity	Water Spec. Gravity	
Initial Hydro Mud Pres.								Gas Gravity	Surface Pressure	
Initial Closed in Pres.								Tool Opened	4:07 A.M. A.M. P.M.	
Initial Flow Pres.								Tool Closed	5:37 A.M. A.M. P.M.	
Final Flow Pres.								Remarks	Open @ 4:07 with very a very weak	
Final Closed in Pres.									blpw. ICIP 4:22 Dead in 5 minutes.	
Final Hydro Mud Pres.									Open @ 4:56 with no blow. FCIP 5:37.	
									Release 6:07.	

FORMATION TEST DATA

5

Gauge No. 536

Depth

2546'

Clock

12

hour

Ticket No.

323490

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	.000	11	.000	----	11	.000	21	.000	---	16
P ₁	.103	11	.0208		536	.317	16	.021		368
P ₂			.0416		767			.042		685
P ₃			.0624		823			.063		748
P ₄			.0832		842			.084		776
P ₅			.1040		855			.105		793
P ₆			.1248		864			.126		803
P ₇			.1456		870			.147		811
P ₈			.1664		875			.168		818
P ₉			.1872		879			.189		822
P ₁₀			.2080		882			.210		827

Gauge No.

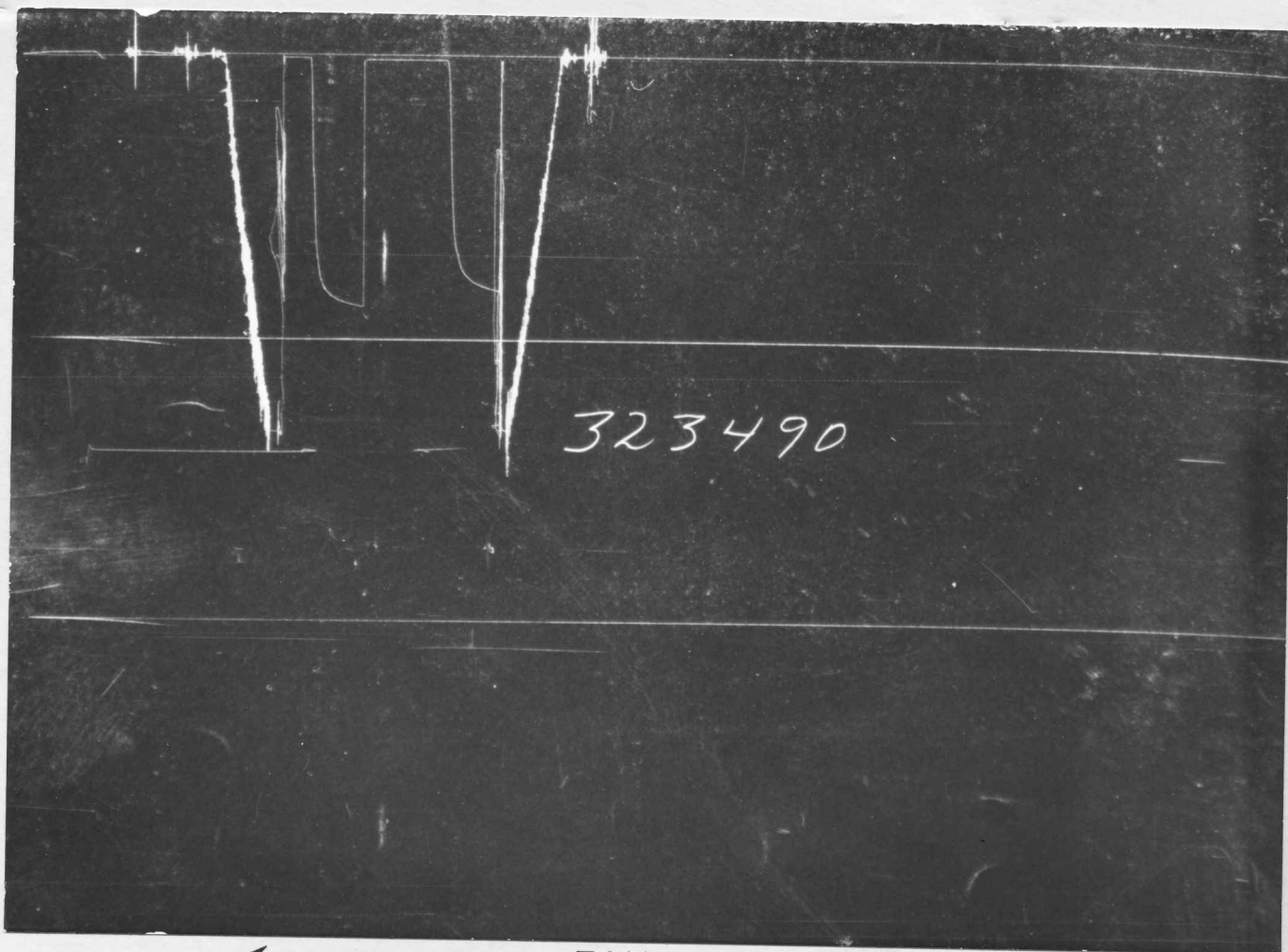
Depth

Clock

hour

	Depth			Clock		hour		
P ₀								
P ₁								
P ₂								
P ₃								
P ₄								
P ₅								
P ₆								
P ₇								
P ₈								
P ₉								
P ₁₀								
Reading Interval			3		3		Minutes	
REMARKS:								

SPECIAL PRESSURE DATA



PRESSURE

TIME

Flow Time	1st 16	Min.	2nd 45	Min.	Date	3-24-62		Ticket Number	323523 S	
Closed In Press. Time	1st 30	Min.	2nd 31	Min.	Kind of Job	Open hole test		Halliburton District	El Dorado	
Pressure Readings	Field		Office Corrected		Tester	Gasperson		Witness	Lowery	
Depth Top Gauge	2561	Ft.	NO	Blanked Off	Drilling Contractor	White & Ellis Drilling Company				
BT. P.R.D. No.	536		12	Hour Clock	Elevation	1396'		Top Packer	-	
Initial Hydro Mud Pressure	1328		1328		Total Depth	2585'		Bottom Packer	2570'	
Initial Closed in Pres.	832		833		Interval Tested	2570'-2585'		Formation Tested	Arbuckle	
Initial Flow Pres.	10	1	19		Casing or Hole Size	7 7/8"		Casing Perfs. { Top		
	38	2	42					Bot.	-	
Final Flow Pres.	38	1	33		Surface Choke	1"		Bottom Choke	3/4"	
	55	2	53							
Final Closed in Pres.	705		707		Size & Kind Drill Pipe	4 1/2" EXH		Drill Collars Above Tester	I.D. - LENGTH 2 1/4" x 79'	
Final Hydro Mud Pressure	1301		1314		Mud Weight	10		Mud Viscosity	40	
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	100	°F Est.	Anchor Size & Length	ID 3 1/2"	X 15'
							°F Actual		OD 4"	
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Kelly Bushings		Depth of Tester Valve	2559' Ft.	
Initial Hydro Mud Pres.					TYPE	AMOUNT		Depth Back Pres. Valve	Ft.	
Initial Closed in Pres.					Cushion	-			Ft.	
Initial Flow Pres.		1			Recovered	95		Feet of	Slightly salty mud	
Final Flow Pres.		2			Recovered			Feet of		
Final Closed in Pres.		1			Recovered			Feet of		
Final Hydro Mud Pres.		2			Recovered			Feet of		
Oil A.P.I. Gravity					Water Spec. Gravity	-				
Gas Gravity					Surface Pressure	-				
Tool Opened	1:05		A.M. P.M.		Tool Closed	2:35		A.M. P.M.		
Remarks	Opened tool for 16 minute 1st flow. Closed tool for 30 minute initial closed in pressure.									
Remarks	Reopened tool for 45 minute 2nd flow with weak blow throughout test. Closed tool for 31 minute final closed in pressure.									

FORMATION TEST DATA

STORES

Lease Name

Well No.

Test No.

CITIES SERVICE PETROLEUM COMPANY

Lease Owner/Company Name

EL DORADO

County

Butler

State

KANSAS

EL DORADO Sec. 28-2

Owner's District

Gauge No. 536			Depth 2561'			Clock 12 hour		Ticket No. 323523		
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	.000	19	.000		33	.000	42	.000		53
P ₁	.029	21	.0204		568	.064	39	.0204		448
P ₂	.058	26	.0408		674	.128	44	.0408		536
P ₃	.087	28	.0612		727	.192	48	.0612		585
P ₄	.116	33	.0816		758	.256	51	.0816		615
P ₅			.1020		780	.320	53	.1020		638
P ₆			.1224		795			.1224		654
P ₇			.1428		808			.1428		671
P ₈			.1632		818			.1632		684
P ₉			.1836		827			.1836		696
P ₁₀			.2040		833			.2040		707

Gauge No.		Depth				Clock		hour			
P ₀											
P ₁											
P ₂											
P ₃											
P ₄											
P ₅											
P ₆											
P ₇											
P ₈											
P ₉											
P ₁₀											
Reading Interval		4				3		9		3.1 Minutes	
REMARKS:											

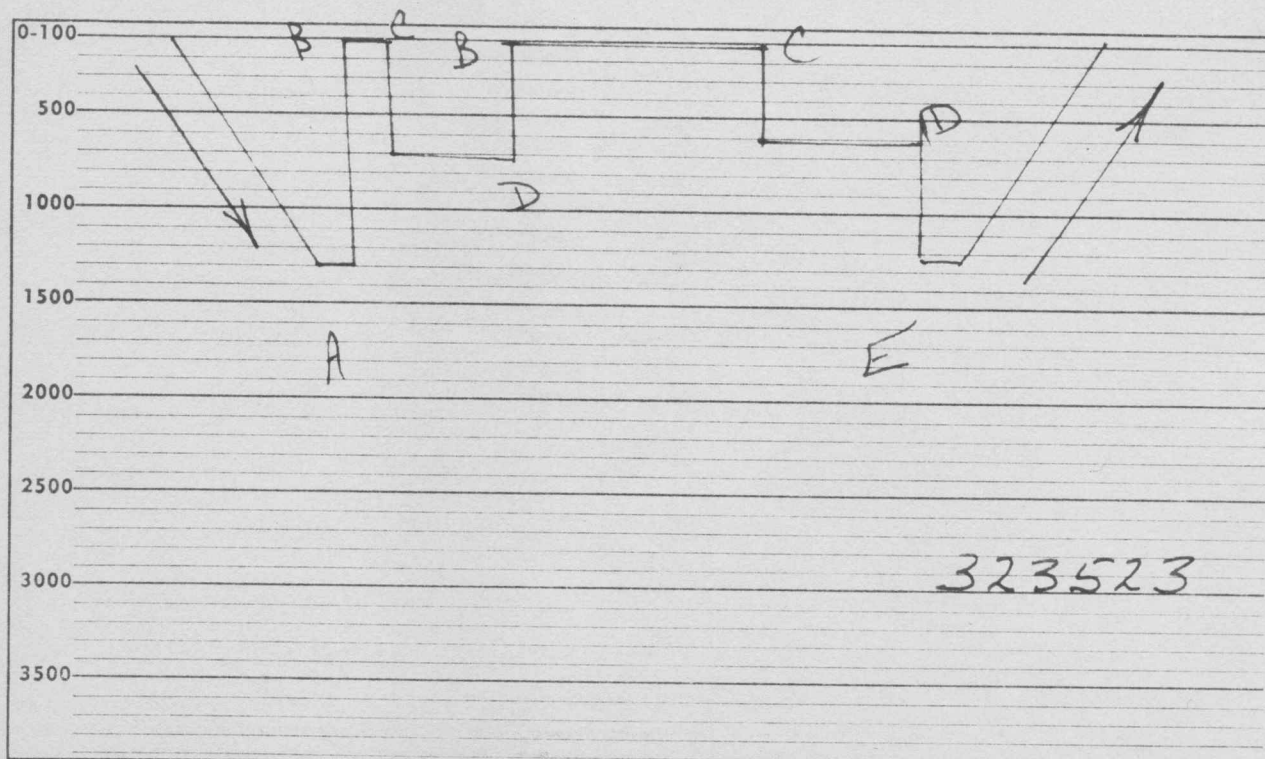
SPECIAL PRESSURE DATA

55

↑
PRESSURE
↓



← TIME →



HALLIBURTON FORM 1383—LITTLE'S 61742 5M 10/60

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