

Computer Inventoried

Flow Time	1st 7 Min.	2nd 40 Min.	Date	10-5-64	Ticket Number	393826 S
Closed In Press. Time	1st 40 Min.	2nd 40 Min.	Kind of Job	OPEN HOLE	Halliburton District	LIBERAL
Pressure Readings	Field	Office Corrected	Tester	BOYDSTON	Witness	MAX PARRIS
Depth Top Gauge	5693 Ft.	No Blanked Off	Drilling Contractor	MORAN DRILLING COMPANY	JM	
BT. P.R.D. No.	1606	12 Hour Clock	Elevation	2502' GL	Top Packer	5700'
Initial Hydro Mud Pressure	2841	2733	Total Depth	5850'	Bottom Packer	5705'
Initial Closed in Pres.	1749	1756	Interval Tested	5705-5850'	Formation Tested	Chester
Initial Flow Pres.	33	1 71 2 38	Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.
Final Flow Pres.	50	1 68 2 56	Surface Choke	1"	Bottom Choke	5/8"
Final Closed in Pres.	1865	1888	Size & Kind Drill Pipe	4 1/2" X H	Drill Collars Above Tester	I.D. - LENGTH 2 1/2" X 141'
Final Hydro Mud Pressure	2808	2725	Mud Weight	8.8	Mud Viscosity	40
Depth Cen. Gauge		Blanked Off	Temperature	-	Anchor Size & Length	ID - OD X
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Ground Level	Depth of Tester Valve	Ft.
Initial Hydro Mud Pres.			Cushion	TYPE AMOUNT none	Depth Back Pres. Valve	Ft.
Initial Closed in Pres.			Recovered	180 Feet of	Slight gas cut mud	
Initial Flow Pres.		1	Recovered	Feet of		
Final Flow Pres.		1	Recovered	Feet of		
Final Closed in Pres.		2	Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	5846 Ft.	Yes Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	1605	12 Hour Clock	Tool Opened	9:43 a.m.	A.M. P.M. Tool Closed	11:10 a.m. P.M.
Initial Hydro Mud Pres.	2869	2798	Remarks	Tool opened with a weak to good strong		
Initial Closed in Pres.	1794	1809	blow for a 7 minute first flow. Closed tool			
Initial Flow Pres.	248	1 440 2 286	for a 40 minute initial closed in pressure. Re-			
Final Flow Pres.	149	1 295 2 180	opened tool at 10:30 a.m. with a strong blow,			
Final Closed in Pres.	1942	1942	gas to the surface in 13 minutes. Closed tool			
Final Hydro Mud Pres.	2836	2773	for a 40 minute final closed in pressure. Not			

FORMATION TEST DATA

enough gas to gauge.

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DAVIES
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 ANADARKO PRODUCTION COMPANY
 Liberal
 Sec. - Typ. - Reg.
 Legal Location
 8 34 31
 Lease Name
 Well No.
 Test No.
 County
 SEWARD
 State
 KANSAS

Gauge No. 1606		Depth 5693		Clock 12 hour		Ticket No. 393826				
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	71	.000		68	.000	38	.000		56
P ₁	.052	68	.027		452	.257	56	.0287		947
P ₂			.054		798			.0574		1421
P ₃			.081		1074			.0861		1642
P ₄			.108		1280			.1148		1752
P ₅			.135		1426			.1435		1812
P ₆			.162		1530			.1722		1847
P ₇			.189		1611			.2009		1865
P ₈			.216		1673			.2296		1878
P ₉			.243		1719			.2583		1884
P ₁₀			.270		1756			.2870		1888

Gauge No. 1605		Depth 5846		Clock 12 hour	
P ₀	.000	440	.000		295
P ₁	.055	295	.0255		646
P ₂			.0510		969
P ₃			.0765		1207
P ₄			.1020		1377
P ₅			.1275		1510
P ₆			.1530		1604
P ₇			.1785		1676
P ₈			.2040		1730
P ₉			.2295		1771
P ₁₀			.2550		1809

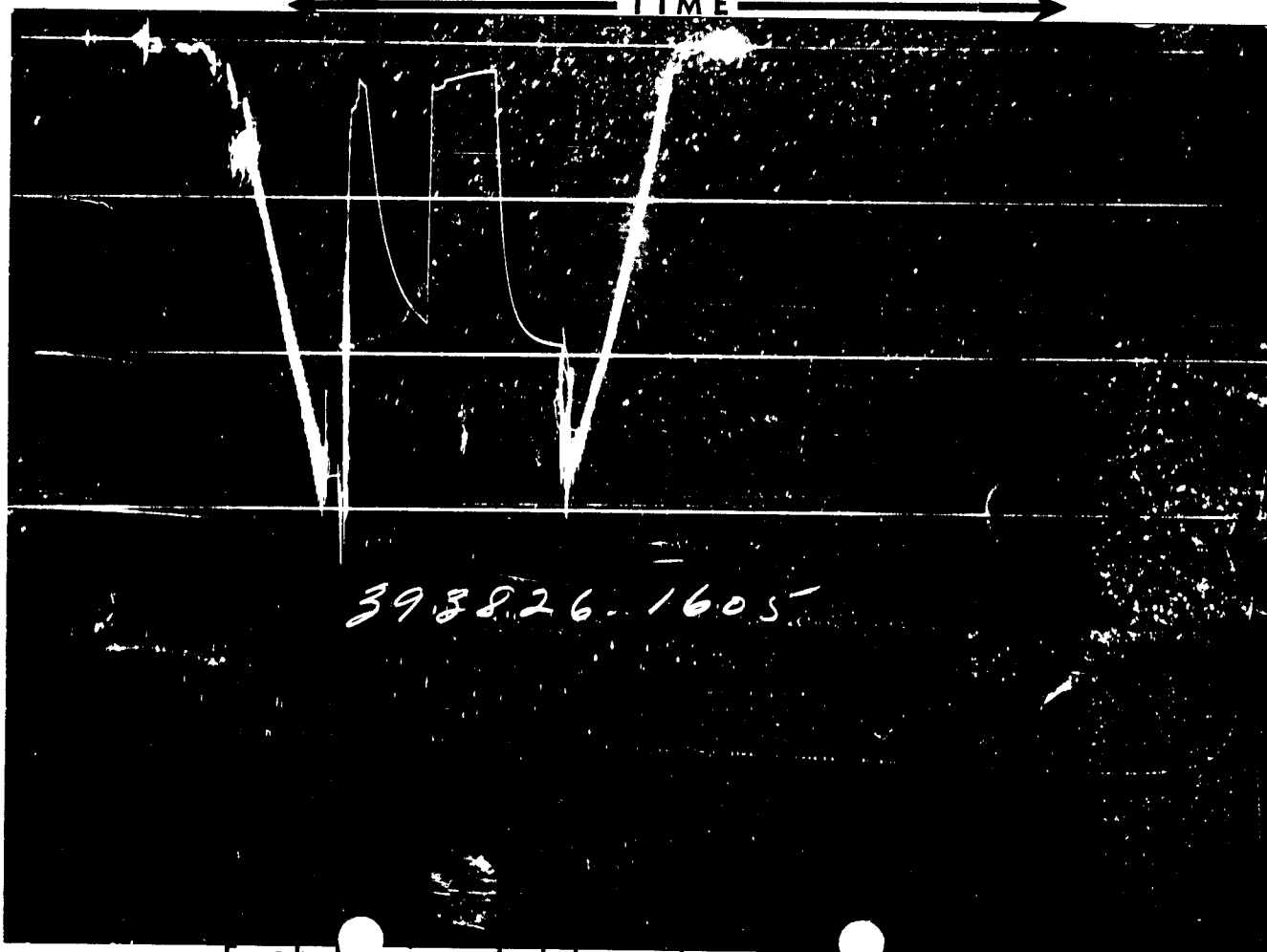
Reading Interval	4	10	4	Minutes
REMARKS:				

SPECIAL PRESSURE DATA

PRESSURE



TIME



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

Computer Inventoried

Flow Time	1st	Min.	2nd	Min.	Date	Ticket Number	393808	S
Closed In Press. Time	1st	Min.	2nd	Min.	Kind of Job	Halliburton District	LIBERAL	
Pressure Readings	Field		Office Corrected		Tester	R. WHITE	Witness	MAX PARIS
Depth Top Gauge	5505 Ft.		no Blanked Off		Drilling Contractor	MORAN BROTHERS INCORPORATED LC		
BT. P.R.D. No.	699		12 Hour Clock		Elevation	2502' GL	Top Packer	5515'
Initial Hydro Mud Pressure	2688		2625		Total Depth	5690'	Bottom Packer	5520'
Initial Closed in Pres.	447		446		Interval Tested	5520' - 5690'	Formation Tested	Marrow
Initial Flow Pres.	77	1	91		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.
	93	2	105					
Final Flow Pres.	93	1	100		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	201		194		Size & Kind Drill Pipe	4 1/2" EH	Drill Collars Above Tester	I.D. - LENGTH 2 1/2" - 240'
Final Hydro Mud Pressure	2612		2610		Mud Weight	8.8	Mud Viscosity	40
Depth Cen. Gauge	Ft.		Blanked Off		Temperature	128	Anchor Size & Length	ID 2 1/2" - X 33' OD 5"
BT. P.R.D. No.			Hour Clock		Depths Mea. From	Ground Level	Depth of Tester Valve	5500 Ft.
Initial Hydro Mud Pres.					TYPE	AMOUNT	Depth Back Pres. Valve	-- Ft.
Initial Closed in Pres.					Cushion	none		
Initial Flow Pres.	1				Recovered	90	Feet of drilling mud.	
Final Flow Pres.	2				Recovered	90	Feet of gas cut slightly oil cut mud.	
Final Closed in Pres.	1				Recovered		Feet of	
Final Hydro Mud Pres.	2				Recovered		Feet of	
Oil A.P.I. Gravity					Water Spec. Gravity			
Depth Bot. Gauge	5686 Ft.		yes Blanked Off		Gas Gravity	psi		
BT. P.R.D. No.	196		12 Hour Clock		Tool Opened	2:05 P.M.	A.M. Tool Closed	3:42 P.M.
Initial Hydro Mud Pres.	2840		2716		Remarks: Tool opened for a 7 minute first flow with a			
Initial Closed in Pres.	539		533		weak blow. Closed tool for a 30 minute initial			
Initial Flow Pres.	299	1	310		closed in pressure. Reopened tool for a 30 minute			
Final Flow Pres.	314	2	244		second flow with a weak blow after 3 minutes to			
Final Closed in Pres.	209	1	305		ed of test. Closed tool for a 30 minute final			
Final Hydro Mud Pres.	225	2	243		closed in pressure.			

FORMATION TEST DATA

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DAVIES "D" Well No. 1 Test No. 1 ANADARKO PRODUCTION COMPANY LIBERAL
 Lease Name C SW NE 8 34 31 Field Area County SEWARD State KANSAS
 Lease Owner/Company Name ARKALON Owner's District

Gauge No.		699		Depth		5505'		Clock		12 hour		Ticket No.		393808	
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	91	.000		100	.000	105	.000		106					
P ₁	.043	100	.0207		267	.205	106	.0211		144					
P ₂			.0414		298			.0422		153					
P ₃			.0621		324			.0633		160					
P ₄			.0828		346			.0844		167					
P ₅			.1035		364			.1055		173					
P ₆			.1242		384			.1266		177					
P ₇			.1449		400			.1477		184					
P ₈			.1656		417			.1688		188					
P ₉			.1863		431			.1899		191					
P ₁₀			.2070		446			.2110		194					

Gauge No.		196		Depth		5686'		Clock		12 hour	
P ₀	.000	310	.000		305	.000	244	.000		243	
P ₁	.027	305	.0217		344	.125	243	.0283		232	
P ₂			.0434		380			.0566		240	
P ₃			.0651		410			.0849		246	
P ₄			.0868		434			.1132		251	
P ₅			.1085		455			.1415		256	
P ₆			.1302		475			.1698		263	
P ₇			.1519		491			.1981		269	
P ₈			.1736		506			.2264		275	
P ₉			.1953		521			.2547		281	
P ₁₀			.2170		533			.2830		287	

Reading Interval			3						3 Minutes		
REMARKS:											

SPECIAL PRESSURE DATA

↑
PRESSURE
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393808-699

← TIME →

393808-196

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