

15-073-21061

33-235-11E

FLUID SAMPLE DATA				Date		Ticket Number	
Sampler Pressure _____ P.S.I.G. at Surface				6-4-76		062138	
Recovery: Cu. Ft. Gas _____				Kind of Job		Halliburton District	
cc. Oil _____				OPEN HOLE		EL DORADO	
cc. Water _____				Tester		Witness	
cc. Mud _____				CANNON		PAUL ??	
Tot. Liquid cc. _____				Drilling Contractor		B & N RIG # 6 NM	
Gravity _____ ° API @ _____ ° F.				EQUIPMENT & HOLE DATA			
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested			
RESISTIVITY _____ CHLORIDE CONTENT _____				Viola			
Recovery Water @ _____ ° F. _____ ppm				Elevation _____ Ft.			
Recovery Mud @ _____ ° F. _____ ppm				Net Productive Interval 10' _____ Ft.			
Recovery Mud Filtrate @ _____ ° F. _____ ppm				All Depths Measured From Kelly Bushing			
Mud Pit Sample @ _____ ° F. _____ ppm				Total Depth 2437' _____ Ft.			
Mud Pit Sample Filtrate @ _____ ° F. _____ ppm				Main Hole/Casing Size 6 1/4" Hole			
Mud Weight 9.3 vis 50 *cp				Drill Collar Length 125' I.D. 1.75"			
SEC				Drill Pipe Length 2296' I.D. 2.764"			
Mud Weight 9.3 vis 50 *cp				Packer Depth(s) 2422' - 2427' _____ Ft.			
Mud Weight 9.3 vis 50 *cp				Depth Tester Valve 2407' _____ Ft.			
TYPE		AMOUNT		Depth Back		Surface	
Cushion		NONE		Ft. Pres. Valve		NONE	
						Bottom Choke 1/4" .62"	
Recovered		2' Feet of mud					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks		SEE PRODUCTION TEST DATA SHEET...					
TEMPERATURE		Gauge No. 5595		Gauge No. 5594		Gauge No.	
Depth:		2412' Ft.		2434' Ft.		Ft.	
Est. 97°F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off NO		Blanked Off YES		Blanked Off		Tool A.M.	
Actual °F.		Pressures		Pressures		Opened 1548 P.M.	
		Pressures		Pressures		Opened A.M.	
		Pressures		Pressures		Bypass 1750 P.M.	
		Field Office		Field Office		Reported Computed	
		1205 1222		1222		Minutes Minutes	
Initial Hydrostatic		5 13		17			
Flow Initial		5 20		17		32	
Flow Final		9 20		38		30	
Closed in		9 20		38			
Flow Initial		9 20		38		30	
Flow Final		9 20		38		30	
Closed in		9 20		38			
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		1193 1196		1213			

Legal Location

33 - 235 - 11E

Field Area

County

GREENWOOD

State

KANSAS

CARSON "C"

Well No. 1

Test No. 1

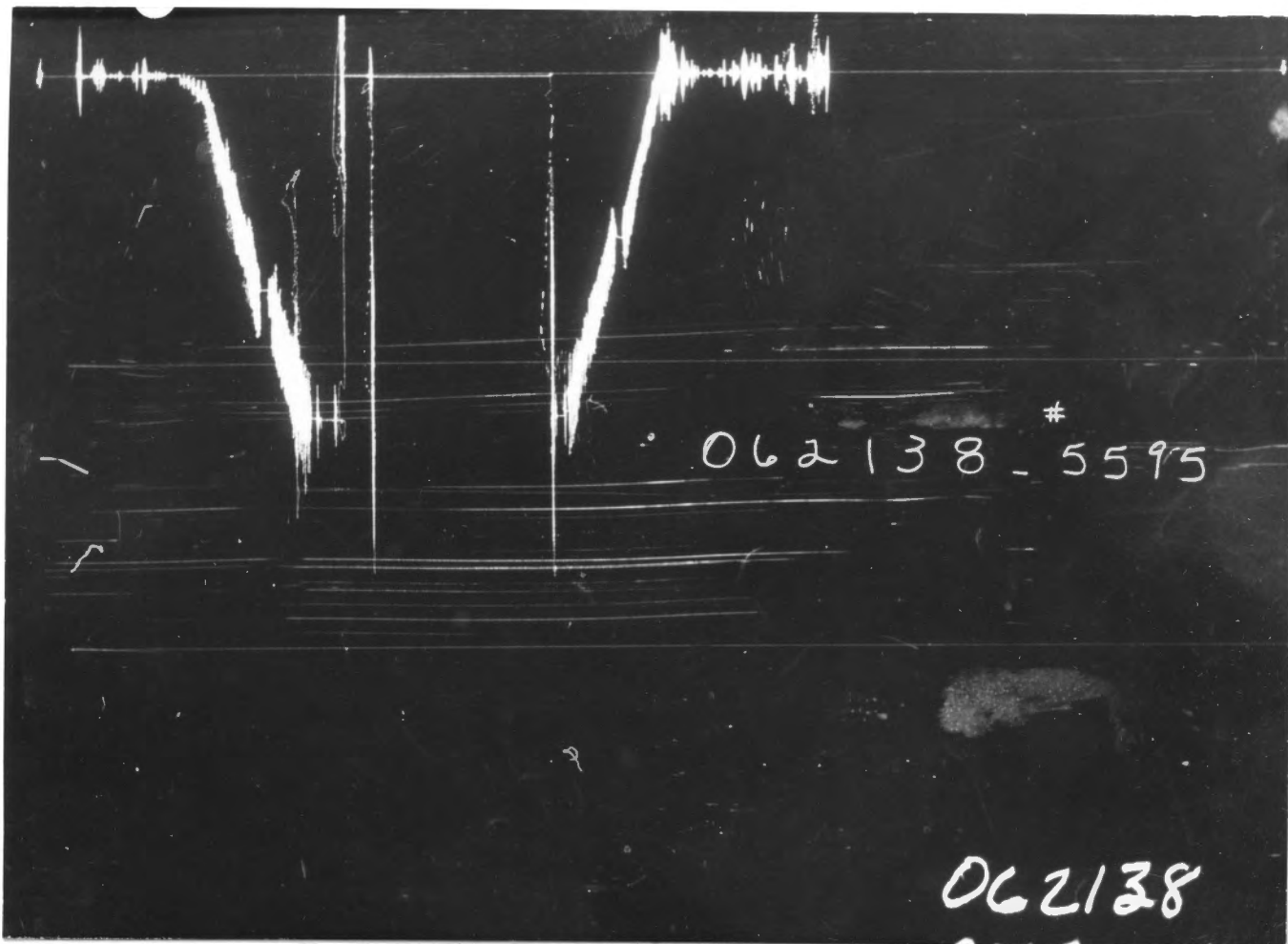
2427' - 2437'

PETROLEUM ENERGY, INCORPORATED

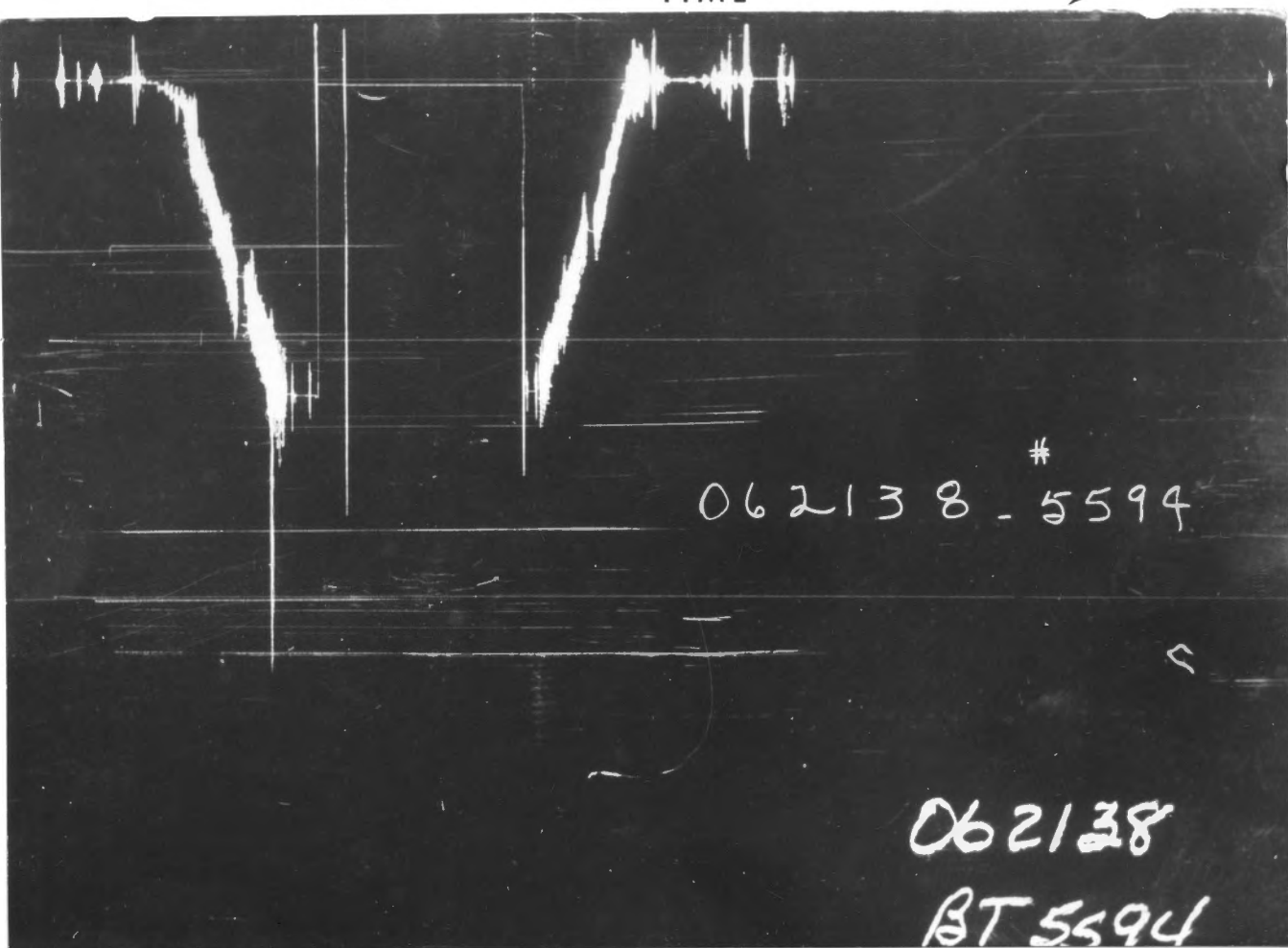
Lease Owner/Company Name

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4"	3.00"	1'	
Reversing Sub				
Water Cushion Valve	3½"	2.764"	2296'	
Drill Pipe	4½"	1.75"	125'	
Drill Collars	4"	1.00"	2'	
Leading Sub & Choke Assembly CROSS OVERS	3 7/8"	.87"	5'	2402'
Dual CIP Valve				
Dual CIP Sampler	3 7/8"	.62"	5'	2407'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	3 7/8"	3.00"	4½'	2412'
Hydraulic Jar				
VR Safety Joint	3 7/8"	.75"	2½'	
Pressure Equalizing Crossover				
Packer Assembly NR	5½"	.75"	5'	2422'
Distributor				
Packer Assembly NR	5½"	.75"	5'	2427'
Flush Joint Anchor	3 3/4"	1.75"	5'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	3 3/4"	2.50"	4½'	2434'
Total Depth				2437'

PRESSURE



TIME



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

CARSON "C"

Lease Name

Well No.

Test No.

2430' - 2440'

Tested Interval

PETROLEUM ENERGY, INCORPORATED

Lease Owner/Company Name

Legal Location
Sec. - Twp. - Rng.

33 - 23 S - 11 E

Field
Area

HAMILTON

County

GREENWOOD

State

KANSAS

FLUID SAMPLE DATA				Date 6-5-76		Ticket Number 062139	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE TEST		Halliburton District EL DORADO	
Recovery: Cu. Ft. Gas _____				Tester MR. CANNON		Witness PAUL ???	
cc. Oil _____				Drilling Contractor B & N DRILLING COMPANY RIG #6 PW			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Viola			
Tot. Liquid cc. _____				Elevation 1123' G.L. Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 10' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Ground Level			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 2440' Ft.			
Recovery Water @ _____ °F. ppm				Main Hole/Casing Size 6 1/4" Hole.			
Recovery Mud @ _____ °F. ppm				Drill Collar Length 125' I.D. 1.75"			
Recovery Mud Filtrate @ _____ °F. ppm				Drill Pipe Length 2296' I.D. 2.764"			
Mud Pit Sample @ _____ °F. ppm				Packer Depth(s) 2425' - 2430' Ft.			
Mud Pit Sample Filtrate @ _____ °F. ppm				Depth Tester Valve 2413' Ft.			
Mud Weight 9.4 vis 55 cp							
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Ft.		Bottom Choke .62"	
Recovered		170 Feet of		Clean gassy oil.			
Recovered		15 Feet of		Heavy oil cut mud.			
Recovered		162 Feet of		Oil cut mud.			
Recovered		Feet of					
Recovered		Feet of					
Remarks		SEE PRODUCTION TEST DATA SHEET....					
TEMPERATURE		Gauge No. 5595		Gauge No. 5594		Gauge No.	
Depth:		2418' Ft.		2437 Ft.		Depth: Ft.	
Est. 91 °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off NO		Blanked Off YES		Blanked Off		Tool A.M.	
Actual °F.		Pressures		Pressures		Opened 02:30 P.M.	
		Field Office		Field Office		Opened A.M.	
		Field Office		Field Office		Bypass 04:35 P.M.	
		Field Office		Field Office		Reported Minutes	
		Field Office		Field Office		Computed Minutes	
Initial Hydrostatic		1200		1212		1216	
First Period Flow Initial		47		63		74	
First Period Flow Final		109		119		117	
First Period Flow Closed in		514		519		519	
Second Period Flow Initial		125		131		141	
Second Period Flow Final		139		143		146	
Second Period Flow Closed in		411		423		417	
Third Period Flow Initial							
Third Period Flow Final							
Third Period Flow Closed in							
Final Hydrostatic		1180		1191		1191	

Gauge No. 5595		Depth 2418'		Clock No. 13663		12 hour		Ticket No. 062139	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0 .000	47	.000		.000	125	.000			
1 .0470*	79	.0341**		.0207***	122	.0333****			
2 .0806	86	.0545		.0551	125	.0533			
3 .1142	92	.0749		.0896	129	.0732			
4 .1478	98	.0954		.1241	133	.0932			
5 .1814	105	.1158		.1585	135	.1132			
6 .2150	109	.1363		.1930	139	.1331			
7		.1567				.1531			
8		.1771				.1731			
9		.1976				.1930			
10		.2180				.2130			
11									
12									
13									
14									
15									

Gauge No. 5594		Depth 2437'		Clock No. 3459		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$
0 .000	74	.000		.000	141	.000	
1 .0470*	97	.0336**		.0203***	130	.0328****	
2 .0806	96	.0538		.0541	133	.0525	
3 .1142	101	.0739		.0880	136	.0722	
4 .1478	107	.0941		.1218	140	.0919	
5 .1814	113	.1142		.1557	142	.1116	
6 .2150	117	.1344		.1890	146	.1313	
7		.1546				.1510	
8		.1747				.1706	
9		.1959				.1903	
10		.2150				.2100	
11							
12							
13							
14							
15							

Reading Interval 5		3		5		3	
Minutes	Seconds	Minutes	Seconds	Minutes	Seconds	Minutes	Seconds
0	00	0	00	0	00	0	00
1	00	0	00	0	00	0	00
2	00	0	00	0	00	0	00
3	00	0	00	0	00	0	00
4	00	0	00	0	00	0	00
5	00	0	00	0	00	0	00
6	00	0	00	0	00	0	00
7	00	0	00	0	00	0	00
8	00	0	00	0	00	0	00
9	00	0	00	0	00	0	00
10	00	0	00	0	00	0	00
11	00	0	00	0	00	0	00
12	00	0	00	0	00	0	00
13	00	0	00	0	00	0	00
14	00	0	00	0	00	0	00
15	00	0	00	0	00	0	00

REMARKS:	
* = 7 minutes	** = 5 minutes
*** = 3 minutes	**** = 5 minutes

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4 1/2"	3.00"	1'	
Reversing Sub				
Water Cushion Valve	3 1/2"	2.764"	2296'	
Drill Pipe	4 1/2"	1.75"	125'	
Drill Collars	4"	1.75"	2'	Cross Overs 2408'
Handling Sub & Choke Assembly	3 7/8"	.87"	5'	
Dual CIP Valve				
Dual CIP Sampler	3 7/8"	.62"	5'	2413'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	3 7/8"	3.00"	4 1/2'	2418'
Hydraulic Jar				
VR Safety Joint	3 7/8"	.75"	2 1/2'	
Pressure Equalizing Crossover				
Packer Assembly	5 1/2"	.75"	5'	2425'
Distributor				
Packer Assembly	5 1/2"	.75"	5'	2430'
Flush Joint Anchor	3 3/4"	1.75"	5'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	3 3/4"	2.50"	4 1/2'	2437'
Total Depth				2440'

PRESSURE
↓

062139-5595

062139
BT 5595

TIME →

062139-5594

062139
BT 5594

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