

FLUID SAMPLE DATA				Date		Ticket Number	
Sampler Pressure: 2700		P.S.I.G. at Surface		6-21-74		895938	
Recovery: Cu. Ft. Gas 14.6				Kind of Job OPEN HOLE		Hollibarton District ARTESIA	
cc. Oil				Tester MR. RYAN		Witness MR. WILTE	
cc. Water				Drilling Contractor W E K DRILLING COMPANY BC S			
cc. Mud							
Tot. Liquid cc. None							
Gravity _____ ° API @ _____ °F.				EQUIPMENT & HOLE DATA			
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested Morrow			
RESISTIVITY		CHLORIDE CONTENT		Elevation 3324' GL			
Recovery Water _____ @ _____ °F. _____ ppm				Net Productive Interval 25' _____ Ft.			
Recovery Mud _____ @ _____ °F. _____ ppm				All Depths Measured From 13' Kelly Drive Bushing			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Total Depth 8653' _____ Ft.			
Mud Pit Sample _____ @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Drill Collar Length 653' I.D. 2.25"			
Mud Weight 9.5 vis 45 cp				Drill Pipe Length 7850' I.D. 3.826"			
				Packer Depth(s) 8537' - 8543' _____ Ft.			
				Depth Tester Valve 8503' _____ Ft.			
TYPE AMOUNT		Depth Back		Surface		Bottom	
Cushion		Ft. Pres. Valve		Choke		Choke	
				1/4" & 3/8"		3/4"	
Recovered 45 Feet of		Condensate					
Recovered 426 Feet of		Gas cut drilling mud					
Recovered _____ Feet of							
Recovered _____ Feet of							
Recovered _____ Feet of							
Remarks See production test data sheet....							
UNABLE TO PERFORM CALCULATION. INSUFFICIENT PRESSURE CHANGE DURING BUILDUP FOR							
PLOT AND EXTRAPOLATION OF THE BUILDUPS.....							
TEMPERATURE		Gauge No. 1114		Gauge No. 1113		Gauge No.	
Depth: 8522' _____ Ft.		Depth: 8649' _____ Ft.		Depth: _____ Ft.		TIME	
Est. _____ °F.		Blanked Off NO		Blanked Off YES		Tool _____ A.M.	
Actual 138°F.		Pressures		Pressures		Opened 9:45 P.M.	
		Field Office		Field Office		Bypass 5:15 P.M.	
Initial Hydrostatic		4075 4078		4132 4136		Reported _____ Computed _____	
First Period Flow Initial		137 144		239 252		Minutes _____ Minutes _____	
Flow Final		1201 1216		1226 1241		90 89	
Closed in		3606 3620		3616 3637		120 122	
Second Period Flow Initial		377 392		478 504		75 74	
Flow Final		772 778		807 832		165 165	
Closed in		3606 3597		3579 3616			
Third Period Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		4040 4056		4095 4090			

27 - 17 - 26

Field Area WILDCAT

County

EDDY

State

NEW MEXICO

Lease Name

Well No.

Test No.

Tested Interval

Lease Owner/Company Name

HANSON OIL COMPANY

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27-17-26 8543' - 8653'

HANSON OIL COMPANY

Casing perf. _____ Bottom choke 3/4" Surf. temp. 90 °F Ticket No. 8959
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ (in) _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
9:45						Opened tool with a strong blow
9:50		1/4"	70	124.95		
9:55		"	150	242.55		Gas to surface
10:00		"	270	418.95		Flared
10:05		"	340	521.85		
10:10		"	420	639.45		
10:15		"	490	742.35		
10:20		"	550	830.55		
10:25		"	620	933.45		
10:30		"	700	1051.05		
10:35		"	740	1109.85		
10:40		"	760	1139.25		
10:45		"	800	1198.05		
10:50		"	830	1242.15		
10:55		"	850	1271.55		
11:00		"	875	1308.30		
11:05		"	895	1323.00		
11:10		"	905	1352.40		
11:15		"	915	1367.10		Closed tool
1:15		"				Opened tool
1:20		"	180	286.65		Flared
1:25		"	330	507.15		
1:30		"	410	624.75		
1:35		"	500	757.05		
1:40		"	580	874.65		

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 895938
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F Page 2

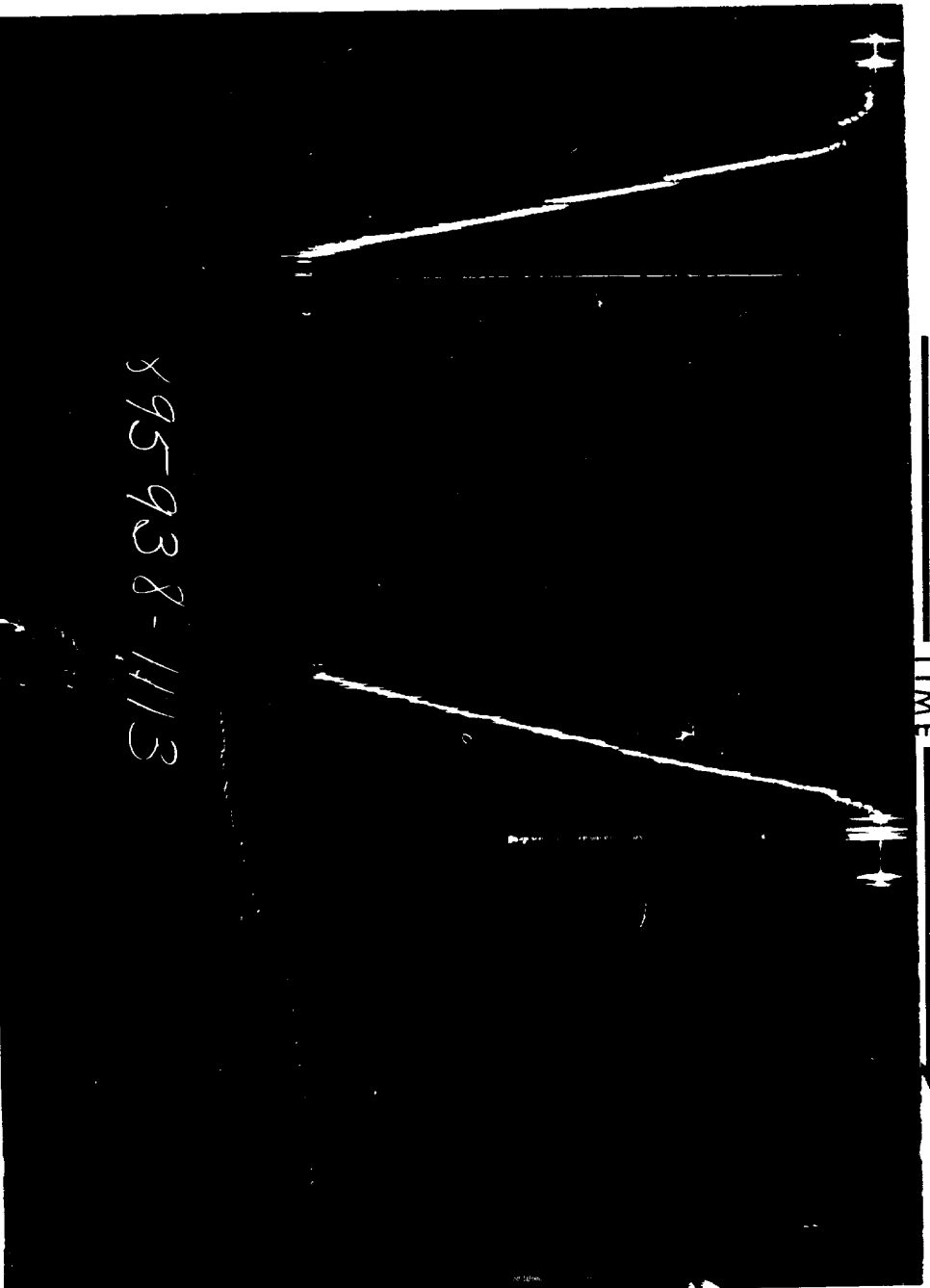
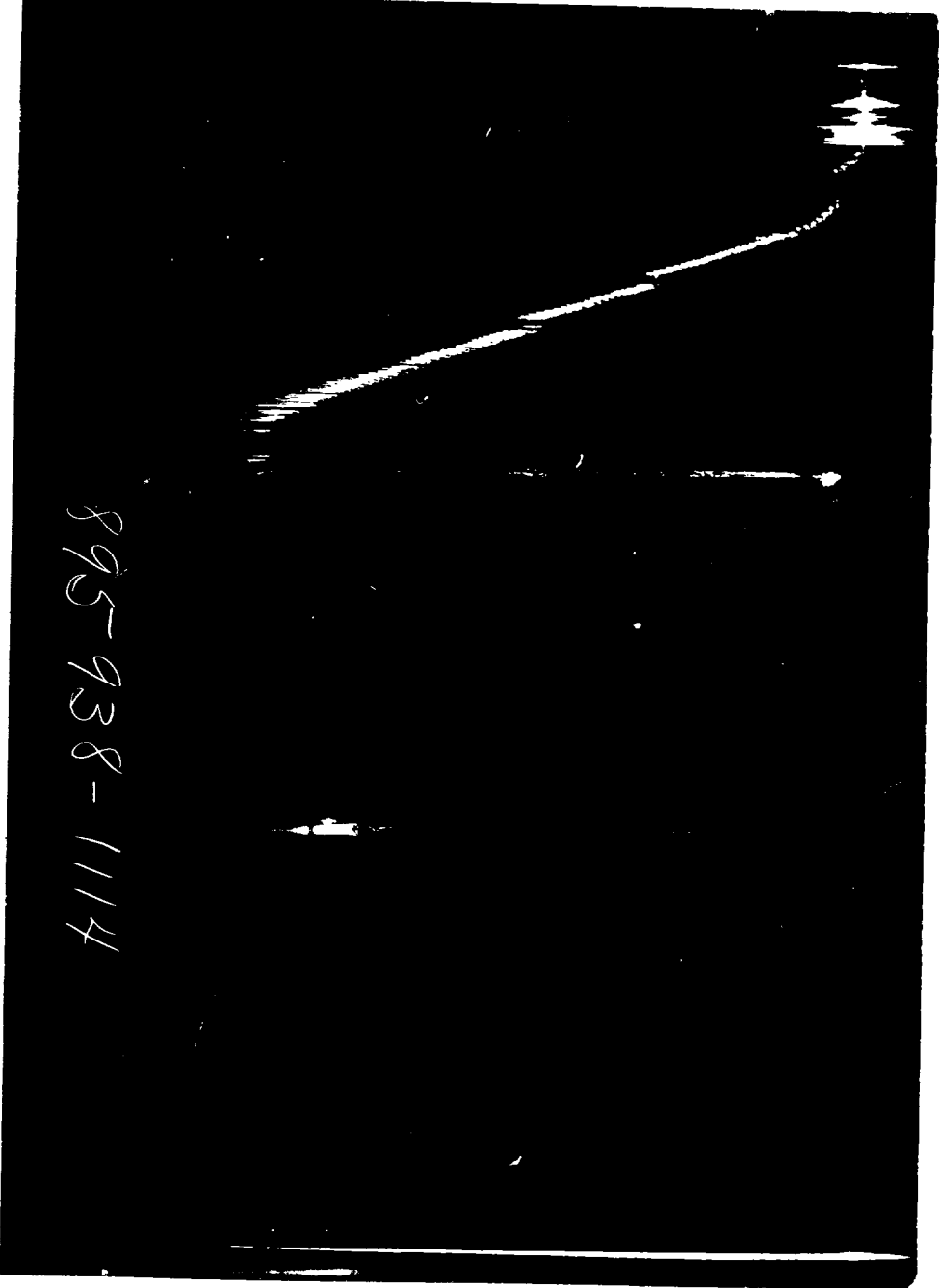
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

[illegible]

Gauge No. 1114		Depth 8522'		Clock No. 6155		12 hour		Ticket No. 895938	
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 .0000	144	.0000		.0000	392	.0000			
1 .0945	421*	.0336		.0942	637***	.0338			
2 .1958	727	.0672		.1750	852	.0675			
3 .2971	930	.1008		(.1980 893C)		.1013			
4 .3984	1058	.1345		.2558	835	.1350			
5 .4997	1153	.1681		.3366	792	.1688			
6 .6010	1216	.2017		.4174	778	.2026			
7		.2353		.4980	778	.2363			
8		.2689				.2701			
9		.3025				.3038			
10		.3362				.3376			
11		.4303				.4929			
12		.5244				.6482			
13		.6185				.8035			
14		.7126				.9588			
15		.8000				1.1140			
Gauge No. 1113		Depth 8649'		Clock No. 11955		24 hour			
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 .0000	252	.0000		.0000	504	.0000			
1 .0472	500*	.0169		.0469	695***	.0169			
2 .0978	776	.0338		.0871	901	.0337			
3 .1484	971	.0507		(.0980 936C)		.0506			
4 .1990	1097	.0675		.1273	883	.0674			
5 .2496	1181	.0844		.1675	843	.0843			
6 .3000	1241	.1013		.2077	832	.1011			
7		.1182		.2480	832	.1180			
8		.1351				.1348			
9		.1520				.1517			
10		.1689				.1685			
11		.2161				.2460			
12		.2634				.3235			
13		.3107				.4010			
14		.3580				.4785			
15		.4010				.5560			
Reading Interval 15		**		12		****		Minutes	

REMARKS: *Interval = 14 minutes **First 10 intervals = 5 minutes each; next 4 intervals = 14 minutes each; last interval = 13 minutes. ***Interval = 14 minutes ****First 10 intervals = 5 minutes each; last 5 intervals = 23 minutes each. C = Choke Change

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5 3/4"	2.50"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2" XH	3.826"	7850'	
Drill Collars	6 1/4" XH	2.25"	653'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	4'	8503'
Multiple CIP Sampler	5"	3.25"	4'	
Extension Joint	5"	.87"	10' (2)	
AP Running Case	5"	3.50"	4'	8522'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	8537'
Distributor				
Packer Assembly	6 3/4"	1.53"	6'	8543'
Flush Joint Anchor				
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	6 1/4"	2.25"	93'	
Flush Joint Anchor	5 3/4"	3"	13'	
Blanked-Off B.T. Running Case	5 3/4"	3.50"	4'	8649'
Total Depth				8653'



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

NOMENCLATURE

b	≡ Approximate Radius of Investigation	Feet
b _i	≡ Approximate Radius of Investigation (Net Pay Zone h)	Feet
D.R.	≡ Damage Ratio	
EI	≡ Elevation	Feet
GD	≡ B.T. Gauge Depth (From Surface Reference)	Feet
h	≡ Interval Tested	Feet
h _i	≡ Net Pay Thickness	Feet
k	≡ Permeability	md
k _i	≡ Permeability (From Net Pay Zone h)	md
m	≡ Slope Extrapolated Pressure Plot (Psi/cycle Gas)	psi/cycle
OF ₁	≡ Maximum Indicated Flow Rate	MCF/D
OF ₂	≡ Minimum Indicated Flow Rate	MCF/D
OF ₃	≡ Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF ₄	≡ Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P _s	≡ Extrapolated Static Pressure	Psig.
P _f	≡ Final Flow Pressure	Psig.
P _{oi}	≡ Potentiometric Surface (Fresh Water *)	Feet
Q	≡ Average Adjusted Production Rate During Test	bbbls/day
Q _i	≡ Theoretical Production w/Damage Removed	bbbls/day
Q _g	≡ Measured Gas Production Rate	MCF/D
R	≡ Corrected Recovery	bbbls
r _w	≡ Radius of Well Bore	Feet
t	≡ Flow Time	Minutes
t _o	≡ Total Flow Time	Minutes
T	≡ Temperature Rankine	°R
Z	≡ Compressibility Factor	
μ	≡ Viscosity Gas or liquid	CP
Log	≡ Common Log	

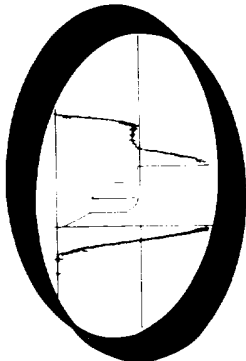
* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 60°F.

Formation Testing Service Report

R E C E I V E D

OCT 16 1974

D. C. C.
ARTESIA, OREGON



HALLIBURTON SERVICES
DUNCAN, OKLAHOMA

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