NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h_1)	Feet
D.R.	= Damage Ratio	——
El	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h_1	= Net Pay Thickness	Feet
K	= Permeability	md
K_1	= Permeability (From Net Pay Zone h_1)	md
m	= Slope Extrapolated Pressure Plot (Psi^2/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_{ot}	= Potentiometric Surface (Fresh Water*)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
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 100° F.

FLUID SAMPLE DATA

Sampler Pressure _____ P.S.I.G. at Surface
Recovery: Cu. Ft. Gas _____
cc. Oil _____
cc. Water _____
cc. Mud _____
Tot. Liquid cc. _____
Gravity _____ ° API @ _____ °F.
Gas/Oil Ratio _____ cu. ft./bbl.

		RESISTIVITY		CHLORIDE CONTENT
Recovery Water	@ °F.			ppm
Recovery Mud	@ °F.			ppm
Recovery Mud Filtrate	@ °F.			ppm
Mud Pit Sample	@ °F.			ppm
Mud Pit Sample Filtrate	@ °F.			ppm

Mud Weight _____ vis _____ sec

Date 4-24-79 Ticket Number 551503
Kind of Job OPEN HOLE TEST Halliburton District BAKERSFIELD
Tester DR PERRYMAN Witness W. BREWSTER
Drilling Contractor TAYLOR DRILLING COMPANY PW

EQUIPMENT & HOLE DATA

Formation Tested _____
Elevation _____ Ft.
Net Productive Interval _____ Ft.
All Depths Measured From Kelly Bushing
Total Depth 2473' Ft.
Main Hole/Casing Size 6 1/4"
Drill Collar Length _____ I.D. _____
Drill Pipe Length _____ I.D. 2.764"
Packer Depth(s) 2448' - 2453' Ft.
Depth Tester Valve 2431' Ft.

Cushion TYPE _____ AMOUNT _____ Ft. Depth Back Pres. Valve _____ Surface Choke Adj. Bottom Choke 5/8"

Recovered _____ Feet of _____
Recovered _____ Feet of _____
Recovered _____ Feet of _____
Recovered _____ Feet of _____
Recovered _____ Feet of _____

Remarks: Opened tool with a strong blow - 750 PSIG - on 16/64" choke.
Closed tool. Reopened tool with a strong blow for 35 minutes.
Closed tool. Pulled loose.

Legal Location Sec. - Twp. - Rng. SEC. 11 - 6 N - 5 W - WBM
Field Area WILDCAT
County COLOMBIA
State OREGON
Lease Name REICHOLD ENERGY
Lease Owner/Company Name R E C COL COMPANY
Well No. 1
Test No. 1
Tested Interval 2453' - 2473'

TEMPERATURE	Gauge No. 6180 Depth: 2436 Ft.	Gauge No. 6179 Depth: 2469 Ft.	Gauge No. Depth: Ft.	TIME
Cacl.	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened A.M. P.M.
Est. 100 °F.	Blanked Off No	Blanked Off Yes	Blanked Off	Opened Bypass A.M. P.M.
Actual °F.	Pressures	Pressures	Pressures	Reported Minutes / Computed Minutes

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		1213	1216.9	1207	1209.4				
First Period Flow	Initial	857	291.8	603	927.8			———	———
	Final	836	855.9	892	899. 5			16	15
	Closed in	951	951.9	924	934.0			30	31
Second Period Flow	Initial	637	646.1	861	920.4			———	———
	Final	857	867.4	871	888.0			35	35
	Closed in	940	915.9	923	927.8			75	76
Third Period Flow	Initial							———	———
	Final								
	Closed in								
Final Hydrostatic		1202	1216.9	1207	1209.4			———	———

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FORMATION TEST DATA

LITTLE'S 102548 5M 9/76

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SPECIAL PRESSURE DATA

Gauge No. 6180 Depth 2436' Clock No. 9646 12 hour Ticket No. 551503

	First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third 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.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.000	291.8	.000		855.9	.000	646.1	.000		867.4					
1	.0196	885.1	.0262		940.4*	.0470	875.7	.0268		932.1**					
2	.0392	859.0	0458		944.6	.0940	873.6	.0804		940.4					
3	.0588	855.9	.0655		946.7	.1410	870.5	.1340		943.6					
4	.0784	855.9	.0851		947.7	.1880	867.4	.1875		946.7					
5	.0980	855.9	.1048		948.8	.2350	867.4	.2411		948.8					
6			.1244		949.8			.2947		949.8					
7			.1441		950.9			.3483		950.9					
8			.1637		950.9			.4019		951.9					
9			1834		951.9			.4554		951.9					
10			.2030		951.9			.5090		951.9					
11															
12															
13															
14															
15															
Reading Interval	3		3			7		8							

Gauge No. 6179 Depth 2469' Clock No. 9645 12 hour

0	.000	927.8	.000		899.5	.000	920.4	.000		888.0					
1	.0198	907.9	.0273		921.5*	.0464	896.4	.0265		910.6**					
2	.0396	908.9	.0461		925.7	.0928	895.3	.0794		918.4					
3	.0594	904.8	.0658		928.8	.1392	892.2	.1324		922.5					
4	.0792	901.6	.0855		930.9	.1856	890.1	.1853		924.6					
5	.0990	899.5	.1053		930.9	.2320	888.0	.2383		925.7					
6			.1250		931.9			.2912		926.7					
7			.1448		933.0			.3442		926.7					
8			.1645		933.0			.3971		927.8					
9			.1842		934.0			.4501		927.8					
10			.2040		934.0			.5030		927.8					
11															
12															
13															
14															
15															
Reading Interval	3		3			7		8							

REMARKS: * = 4 minute interval; ** = 4 minute interval.

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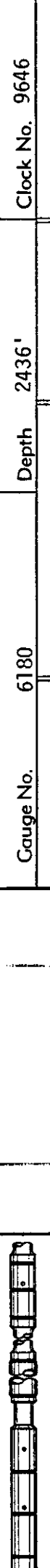
EQUIPMENT DATA

TICKET NO. 551503



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 1/4"	2.764"	1.00'	
Water Cushion Valve				
Drill Pipe	3 1/2"	2.764"		
Drill Collars				
Handling Sub & Choke Assembly	2 7/8"		5.40'	
Dual CIP Valve	3 7/8"		5.85'	2425'
Dual CIP Sampler				
Hydro-Spring Tester	3 7/8"	.62"	5.10'	2431'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	3 7/8"		4.95'	2436'
Hydraulic Jar	3 7/8"	3/4"	5.00'	
VR Safety Joint	3 7/8"	3/4"	2.58'	
Pressure Equalizing Crossover				
Packer Assembly	5 1/4"		5.10'	2448'
Distributor				
Packer Assembly	5 1/4"		4.41'	2453'
			.70'	
Flush Joint Anchor	3 3/4"		10.00'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint	3 3/4"		3.86'	
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"		5.25'	2469'
Total Depth				2473'

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EQUIPMENT DATA

LITTLE'S 96676 75C 8/74