

79762

COMPANY

TICKET NO	4860
DATE	December 27, 1982
ORDER NO	
DISTRICT	Odessa
ELEVATION	GL
ANCHOR LENGTH	32'

HOLE AND MUD DATA

CUSHION: None

TOTAL DEPTH	MAIN HOLE	CASING SIZE
9121	1 1/8	3 5/8
RAT HOLE		
3300		3 1/2

TOTAL DEPTH	MAIN HOLE	CASING SIZE
912'	1 1/8"	8 5/8"
RAT HOLE	TYPE MUD	Gel/Lb/100
3300'		
DEPTH OF CSG	TYPE MUD	Gel/Lb/100
9.2'		36
WATER	VISCOSITY	

TOTAL DEPTH	912'	MAIN HOLE	1 1/8
RAT HOLE		CASING SIZE	3 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel/10lb
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32

TOTAL DEPTH	912'	MAIN HOLE	1 1/8
RAT HOLE		CASING SIZE	3 5/8
DEPTH OF CSG	3300	TYPE MUD	gel/lob
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	43,000 PPM		

TOTAL DEPTH		MAIN HOLE	
	912'		1 1/8
RAT HOLE		CASING SIZE	
DEPTH OF CSG	3300		8 5/8
MUD WT	9.2	TYPE MUD	Gel/Loil
WATER LOSS	11.8	VISCOSITY	36
CHLORIDE	45,000 PPM	CAKE	2/32
REGISTIVITY	0.23		@ 55 °

TOTAL DEPTH		MAIN HOLE	
9127		1	118
RAT HOLE		CASING SIZE	
3300		8	5/8
DEPTH OF CSG		TYPE MUD	
9.2		Gel/10lb	
MUD WT		VISCOSITY	
11.8		36	
WATER LOSS		CAKE	
45,000 PPM		2/32	
CHLORIDE			
0.23			
RESISTIVITY		@ 55 °	
TOOL DATA			
3			

TOTAL DEPTH		MAIN HOLE	
912'		1	118
RAT HOLE		CASING SIZE	
3300		8	5/8
DEPTH OF CSG		TYPE MUD	
9.2		Gel/Lob	
MUD WT		VISCOSITY	
11.8		36	
WATER LOSS		CAKE	
45,000 PPM		2/32	
CHLORIDE			
0.23		@	55
RESISTIVITY			
TOOL DATA			
NO. PACKERS		STRADDLE TEST	
2		6	3/4

CONVENTIONAL TEST		TOOL DATA	
TOTAL DEPTH	912'	MAIN HOLE	1 1/8
RAT HOLE		CASING SIZE	3 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel / Lot
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	40,000 PPM		
RESISTIVITY	0.23	@	55
NO. PACKERS	2	STRADDLE TEST	
SIZE PACKERS	6 3/4	CSG. TEST	
		YES	

TOTAL DEPTH	9127	MAIN HOLE	1 118
RAT HOLE		CASING SIZE	3 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel / Lot
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	45,000 PPM		
REGISTIVITY	0.23	@	55
TOOL DATA			
NO. PACKERS	2	STRADDLE TEST	
SIZE PACKERS	6 3/4	CSG. TEST	
CONVENTIONAL TEST		Yes	

TOTAL DEPTH	912'	MAIN HOLE	1 118
RAT HOLE		CASING SIZE	8 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel/Lob
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	45,000 PPM		
REGISTIVITY	0.23	@	55
TOOL DATA			
NO. PACKERS	2	STRADDLE TEST	
SIZE PACKERS	6 3/4	CSG. TEST	
CONVENTIONAL TEST		Yes	

TOTAL DEPTH		MAIN HOLE	
912/		1	118
RAT HOLE		CASING SIZE	
3300		8	5/8
DEPTH OF CSG		TYPE MUD	
9.2		Gel/Lol	
MUD WT		VISCOSITY	
11.8		36	
WATER LOSS		CAKE	
45,000 PPM		2/32	
CHLORIDE			
RESISTIVITY		@ 55	
0.23			
TOOL DATA			
NO. PACKERS		STRADDLE TEST	
2			
SIZE PACKERS		CSG. TEST	
6 3/4			
CONVENTIONAL TEST		Yes	
TYPE TOOL		LENGTH	
4 1/2 XH DP		8446	
DEPTH		I.D.	
		3.8	
		O.D.	
		4.5	

TOTAL DEPTH		912/		MAIN HOLE		1 118	
RAT HOLE				CASING SIZE		8 5/8	
DEPTH OF CSG		3300		TYPE MUD		Gel/Loli	
MUD WT		9.2		VISCOSITY		36	
WATER LOSS		11.8		CAKE		2/32	
CHLORIDE		45,000 PPM					
RESISTIVITY		0.23		@		55	
TOOL DATA							
NO. PACKERS		2		STRAUDLE TEST			
SIZE PACKERS		6 3/4		CSG. TEST			
CONVENTIONAL TEST				Yes			
TYPE TOOL		DEPTH		LENGTH		I.D.	
4 1/2 XH DP				8446		3.8 4.5	
4 1/2 XH DC				584		2.3 6 1	

TOTAL DEPTH	9121	MAIN HOLE	1 118
RAT HOLE		CASING SIZE	8 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel/lob
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	45,000 PPM		
RESISTIVITY	0.23	@	55
TOOL DATA			
NO PACKERS	2	STRADDLE TEST	
SIZE PACKERS	6 3/4	CSG. TEST	
CONVENTIONAL TEST		Yes	

TOTAL DEPTH	9127	MAIN HOLE	1 118
RAT HOLE		CASING SIZE	8 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel/Lob
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	45,000 PPM		
RESISTIVITY	0.23	@	55 °
NO PACKERS	2	TOOL DATA	
SIZE PACKERS	6 3/4	STRADDLE TEST	
CONVENTIONAL TEST	Yes	CSG. TEST	
TYPE TOOL	DEPTH	LENGTH	I.D.
4 1/2 XH DP		8446	3.8 4.5
4 1/2 XH DC		584	2.3 6.1
Circ. Sub	9032		2
4 1/2 XH DC			30
Shut In			5

TOTAL DEPTH	912/	MAIN HOLE	1 118
RAT HOLE		CASING SIZE	3 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel / Loil
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	43,000 PPM		
RESISTIVITY	0.23	@	55
TOOL DATA			
NO. PACKERS	2	STRADDLE TEST	
SIZE PACKERS	6 3/4	CSG. TEST	
CONVENTIONAL TEST		Yes	
TYPE TOOL		LENGTH	I.D.
4 1/2 XH DP	DEPTH	8446	3.8 4.5
4 1/2 XH DC		584	2.3 6.1
Circ. Sub	9032	2	
4 1/2 XH DC		30	
Shut In		5	
3amp.		3	

TOTAL DEPTH		MAIN HOLE	
912/		1	118
RAT HOLE		CASING SIZE 8 5/8	
DEPTH OF CSG	3300	TYPE MUD Gel/Lob	
MUD WT	9.2	VISCOSITY 36	
WATER LOSS	11.8	CAKE 2/32	
CHLORIDE	45,000 PPM		
RESISTIVITY	0.23	@ 55 °	
TOOL DATA			
NO. PACKERS	2	STRADDLE TEST	
SIZE PACKERS	6 3/4	CSG. TEST	
CONVENTIONAL TEST		Yes	

TOTAL DEPTH		912/		MAIN HOLE		1 118	
RAT HOLE				CASING SIZE	8 5/8		
DEPTH OF CSG	3300			TYPE MUD	Gel/Loli		
MUD WT	9.2			VISCOSITY	36		
WATER LOSS	11.8			CAKE	2/32		
CHLORIDE	45,000 PPM						
RESISTIVITY	0.23			@	55		
TOOL DATA							
NO. PACKERS	2			STRADDLE TEST			
SIZE PACKERS	6 3/4			CSG. TEST			
CONVENTIONAL TEST				Yes			

TOTAL DEPTH		912/		MAIN HOLE		1 118	
RAT HOLE				CASING SIZE	8 5/8		
DEPTH OF CSG	3300			TYPE MUD	Gel/Lob		
MUD WT	9.2			VISCOSITY	36		
WATER LOSS	11.8			CAKE	2/32		
CHLORIDE	45,000			PPM			
RESISTIVITY	0.23			@	55		
TOOL DATA							
NO. PACKERS	2			STRADOLE TEST			
SIZE PACKERS	6 3/4			CSG. TEST			
CONVENTIONAL TEST				Yes			
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.			
4 1/2 XH DP		8446	3.8	4.5			
4 1/2 XH DC		584	2.3	6 1			
Circ. Sub	9032						
4 1/2 XH DC		30					
Shut In							
Samp.							
Hyd.							
Jars							
Jars							

TOTAL DEPTH		9127		MAIN HOLE		1 118	
RAT HOLE				CASING SIZE	8 5/8		
DEPTH OF CSG	3300			TYPE MUD	Gel/Lob		
MUD WT	9.2			VISCOSITY	36		
WATER LOSS	11.8			CAKE	2/32		
CHLORIDE	45,000 PPM						
RESISTIVITY	0.23			@	55		
TOOL DATA							
NO. PACKERS	2			STRADDLE TEST			
SIZE PACKERS	6 3/4			CSG. TEST			
CONVENTIONAL TEST				Yes			

TOTAL DEPTH		9121		MAIN HOLE		1 110	
RAT HOLE				CASING SIZE		3 5/8	
DEPTH OF CSG		3300		TYPE MUD		Gel / Loil	
MUD WT		9.2		VISCOSITY		36	
WATER LOSS		11.8		CAKE		2/32	
CHLORIDE		45,000 PPM					
RESISTIVITY		0.23		@		55	
TOOL DATA							
NO PACKERS		2		STRAUDLE TEST			
SIZE PACKERS		6 3/4		CSG. TEST			
CONVENTIONAL TEST				YES			
TYPE TOOL		DEPTH		LENGTH		I.D.	
4 1/2 XH DP				8446		3.8 4.5	
4 1/2 XH DC				584		2.3 6 1	
Circ. Sub		9032		2			
4 1/2 XH DC				30			
Shut In				5			
Samp.				3			
Hyd.				5			
Jars				6			
Safety				2			
Packer				6			
Packer		9095		6			

TOTAL DEPTH		9121		MAIN HOLE		1 118	
RAT HOLE		3300		CASING SIZE		3 5/8	
DEPTH OF CSG		9.2		TYPE MUD		Gel/Lot	
MUD WT		11.8		VISCOSITY		36	
WATER LOSS		45,000 PPM		CAKE		2/32	
CHLORIDE		0.23		@		55	
RESISTIVITY		TOOL DATA					
NO. PACKERS		2		STRADDLE TEST			
SIZE PACKERS		6 3/4		CSG. TEST			
CONVENTIONAL TEST		Yes					
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.			
4 1/2 XH DP		8446	3.8	4.5			
4 1/2 XH DC		584	2.3	6.1			
Circ. Sub	9032						
4 1/2 XH DC		30					
Shut In							
Samp.							
Hyd.							
Jars							
Safety							
Packer							
Packer	9095						
Perf.							
Perf.							

TOTAL DEPTH		9121		MAIN HOLE		1 118	
RAT HOLE		3300		CASING SIZE		8 5/8	
DEPTH OF CSG		9.2		TYPE MUD		Gel/Lob	
MUD WT		11.8		VISCOSITY		36	
WATER LOSS		45,000 PPM		CAKE		2/32	
CHLORIDE		0.23		@		55	
RESISTIVITY		TOOL DATA					
NO. PACKERS		2		STRADDLE TEST			
SIZE PACKERS		6 3/4		CSG. TEST			
CONVENTIONAL TEST		Yes					
TYPE TOOL	DEPTH	LENGTH	I.D.	OD			
4 1/2 XH DP		8446	3.8	4.5			
4 1/2 XH DC		584	2.3	6.1			
Circ. Sub	9032		2				
4 1/2 XH DC		30	30				
Shut In			5				
Samp.			3				
Hyd.			5				
Jars			6				
Safety			2				
Packer			6				
Packer	9095		6				
Perf.							
Perf.							
Rec.							

TOTAL DEPTH		912/		MAIN HOLE		1 118	
RAT HOLE				CASING SIZE	8 5/8		
DEPTH OF CSG	3300			TYPE MUD	Gel/Loli		
MUD WT	9.2			VISCOSITY	36		
WATER LOSS	11.8			CAKE	2/32		
CHLORIDE	45,000 PPM						
RESISTIVITY	0.23			@	55		
TOOL DATA							
NO. PACKERS	2			STRADDLE TEST			
SIZE PACKERS	6 3/4			CSG. TEST	Yes		
CONVENTIONAL TEST							
TYPE TOOL	DEPTH	LENGTH	ID	OD			
4 1/2 XH DP		8446	3.8	4.5			
4 1/2 XH DC		584	2.3	6.1			
Circ. Sub	9032		2				
4 1/2 XH DC		30	30				
Shut In			5				
Samp.			3				
Hyd.			5				
Jars			6				
Safety			2				
Packer			6				
Packer	9095		6				
Perf.							
Perf.							
Rec.							
Rec.			32				

TOTAL DEPTH	9127	MAIN HOLE	1 118
RAT HOLE		CASING SIZE	3 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel / Loil
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	45,000 PPM		
RESISTIVITY	0.23	@	55 °
TOOL DATA			
NO PACKERS	2	STRADDLE TEST	
SIZE PACKERS	6 3/4	CSG. TEST	
CONVENTIONAL TEST		Yes	
TYPE TOOL	DEPTH	LENGTH	I.D.
4½ XH DP		8446	3.8 4.5
4½ XH DC		584	2.3 6 1
Circ. Sub	9032		
4½ XH DC		30	
Shut In		5	
Samp.		3	
Hyd.		5	
Jars		6	
Safety		2	
Packer		5	
Packer	9095	6	
Perf.			
Perf.			
Rec.			
Rec.		32	

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TOTAL DEPTH	9127	MAIN HOLE	1 118	
RAT HOLE	3300	CASING SIZE	3 5/8	
DEPTH OF CSG	9.2	TYPE MUD	Gel/Loil	
MUD WT	11.8	VISCOSITY	36	
WATER LOSS	45,000 PPM	CAKE	2/32	
CHLORIDE	0.23			
REGISTIVITY		@	55	
TOOL DATA				
NO. PACKERS	2	STRAIDLE TEST		
SIZE PACKERS	6 3/4	CSG. TEST		
CONVENTIONAL TEST				
		Yes		
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4 1/2 XH DP		8446	3.8	4.5
4 1/2 XH DC		584	2.3	6 1
Circ. Sub	9032		2	
4 1/2 XH DC			30	
Shut In			5	
Samp.			3	
Hyd.			5	
Jars			6	
Safety			2	
Packer			6	
Packer	9095		6	
Perf.				
Perf.				
Rec.				
Rec.		32		

TOTAL DEPTH		912/		MAIN HOLE		1 118	
RAT HOLE		3300		CASING SIZE		3 5/8	
DEPTH OF CSG		9.2		TYPE MUD		Gel/Lot	
MUD WT		11.8		VISCOSITY		36	
WATER LOSS		45,000 PPM		CAKE		2/32	
CHLORIDE		0.23		@		55	
RESISTIVITY		TOOL DATA					
NO PACKERS		2		STRADDLE TEST			
SIZE PACKERS		6 3/4		CSG. TEST		Yes	
CONVENTIONAL TEST							
TYPE TOOL	DEPTH	LENGTH	ID	OD			
4 1/2 XH DP		8446	3.8	4.5			
4 1/2 XH DC	9032	584	2.3	6 1			
Circ. Sub			2				
4 1/2 XH DC			30				
Shut In			5				
Samp.			3				
Hyd.			5				
Jars			6				
Safety			2				
Packer			6				
Packer	9095		6				
Perf.							
Perf.							
Rec.							
Rec.			32				

TOTAL DEPTH	9127	MAIN HOLE	8 5/8	
RAT HOLE	3300	CASING SIZE	8 5/8	
DEPTH OF CSG	9.2	TYPE MUD	Gel/Lob	
MUD WT	11.8	VISCOSITY	36	
WATER LOSS	45,000 PPM	CAKE	2/32	
CHLORIDE	0.23			
RESISTIVITY		@	55	
TOOL DATA				
NO. PACKERS	2	STRADDLE TEST		
SIZE PACKERS	6 3/4	CSG. TEST		
CONVENTIONAL TEST				
		Yes		
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4 1/2 XH DP		8446	3.8	4.5
4 1/2 XH DC		584	2.3	6.1
Circ. Sub	9032		2	
4 1/2 XH DC		30	30	
Shut In			5	
Samp.			3	
Hyd.			5	
Jars			6	
Safety			2	
Packer			6	
Packer	9095		6	
Perf.				
Perf.				
Rec.				
Rec.				
Rec.	32			

TOTAL DEPTH	9127	MAIN HOLE	1 118	
RAT HOLE		CASING SIZE	8 5/8	
DEPTH OF CSG	3300	TYPE MUD	Gel/Loli	
MUD WT	9.2	VISCOSITY	36	
WATER LOSS	11.8	CAKE	2/32	
CHLORIDE	45,000 PPM			
RESISTIVITY	0.23	@	55 °	
TOOL DATA				
NO. PACKERS	2	STRADDLE TEST		
SIZE PACKERS	6 3/4	CSG. TEST		
CONVENTIONAL TEST		Yes		
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4½ XH DP		8446	3.8	4.5
4½ XH DC		584	2.3	6.1
Circ. Sub	9032		2	
4½ XH DC			30	
Shut In			5	
Samp.			3	
Hyd.			5	
Jars			6	
Safety			2	
Packer			6	
Packer	9095		6	
Perf.				
Perf.				
Rec.				
Rec.				
Rec.			32	

TOTAL DEPTH	9127	MAIN HOLE	1 118
RAT HOLE		CASING SIZE	8 5/8
DEPTH OF CSG	3300	TYPE MUD	Gel / 100
MUD WT	9.2	VISCOSITY	36
WATER LOSS	11.8	CAKE	2/32
CHLORIDE	45,000 PPM		
RESISTIVITY	0.23	@	55
TOOL DATA			
NO. PACKERS	2	STRADDLE TEST	
SIZE PACKERS	6 3/4	CSG. TEST	
CONVENTIONAL TEST			
		Yes	
TYPE TOOL	DEPTH	LENGTH	I.D.
4 1/2 XH DP		8446	3.8 4.5
4 1/2 XH DC		584	2.3 6 1
Circ. Sub	9032	2	
4 1/2 XH DC		30	
Shut In		5	
Samp.		3	
Hyd.		5	
Jars		6	
Safety		2	
Packer		6	
Packer	9095	6	
Perf.			
Rec.			
Rec.		32	
Rec.			

TOTAL DEPTH	912/	MAIN HOLE	1 1/8	
RAT HOLE	3300	CASING SIZE	3 5/8	
DEPTH OF CSG	9.2	TYPE MUD	Gel/Loi	
MUD WT	11.8	VISCOSITY	36	
WATER LOSS	45,000 PPM	CAKE	2/32	
CHLORIDE	0.23	@	55	
REGISTIVITY				
TOOL DATA				
NO. PACKERS	2	STRAIDLE TEST		
SIZE PACKERS	6 3/4	CSG. TEST		
CONVENTIONAL TEST				
		Yes		
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4 1/2 XH DP		8446	3.8	4.5
4 1/2 XH DC		584	2.3	6.1
Circ. Sub	9032		2	
4 1/2 XH DC			30	
Shut In			5	
Samp.			3	
Hyd.			5	
Jars			6	
Safety			2	
Packer			6	
Packer	9095		6	
Perf.				
Perf.				
Rec.				
Rec.			32	

P. O. BOX 6441 • PHONE 366-0811

ODESSA, TEXAS

79762

TEST TICKET NO. 4860

Date December 27, 1982

PRESSURE BREAKDOWN

Company Hilliard Oil & Gas, Inc. County Chaves
 Well Name & No. McClellan Federal # 1 State New Mexico
 DST No. 1 Tool Open 16 Min. For Pre Flow Tool Closed 120 Min. For ISIP
 Interval 9095 To 9127 Tool Open 60 Min. For Final Flow Tool Closed 180 Min. For FSIP

INITIAL SHUT-IN

FINAL SHUT-IN

Time Deflection	Min.	Deflection	Pressure	Time Deflection	Min.	Deflection	Pressure
	0		205		0		439
	2		234		2		529
	4		459		4		877
	6		2077		6		2242
	8		2524		8		2452
	10		2722		10		2540
	12		2843		12		2633
	24		3108		18		2766
	36		3208		36		2980
	48		3262		54		3072
	60		3300		72		3128
	72		3324		90		3164
	84		3340		108		3202
	96		3354		126		3230
	108		3364		144		3254
	120		3368		162		3272
					180		3288

PH 366-0811

PERMIAN TESTERS, INC.

P.O. BOX 140

ODESSA, TEXAS 79762

BOTTOM HOLE SAMPLER REPORT

Date December 27, 1982 Ticket No. 4860
Company Hilliard Oil & Gas, Inc.
Well Name & No. McClellan Federal # 1 DST No. 1
County Chaves State New Mexico
Sampler No. _____ Test Interval 9095 To 9127
Pressure in Sampler 220 PSI BHT 122 °F

Total Volume of Sampler: 1800 cc.
Oil: 50 cc.
Water: 1200 cc.
Mud: _____ cc.
Gas: .270 cu. ft.
Other: _____

Resistivity

Drilling Fluid in Pits 0.23 @ 55 °F Chloride Content 45,000 ppm.
Fluid from Sampler 0.23 @ 55 °F Chloride Content 62,000 ppm.
Gas/Oil Ratio _____ Gravity _____ •API @ _____ °F
Where was sample drained Rig

Remarks: _____

