



## SURFACE INFORMATION

[illegible]

Cushion Type	Amount	Pressure	Bottom Choke
	-		5/8"
			Size

## MUD DATA

Mud Type	SALT	Wt.	9.9	
Viscosity	45	Water Loss	8	C.C.
Resist. of Mud	-	@ - °F, of Filtrate	.06 @ 60	°F
Chloride Content	85000			PPM

### EQUIPMENT & HOLE DATA

Type Test	M. F. E. OPEN HOLE		
Formation Tested	BOUGH C		
Elevation	-		Ft.
Net Productive Interval	-		Ft.
Estimated Porosity	-		%
All Depths Measured From	KELLY BUSHING		
Total Depth	9710		Ft.
Main Hole/Casing Size	7 7/8"		
Rat Hole/Liner Size	-		
Drill Collar Length	570'	I.D. 2.5"	
Drill Pipe Length	9075'	I.D. 3.8"	
Packer Depth(s)	9674 & 9680		

## MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure \_\_\_\_\_ 0 \_\_\_\_\_ P.S.I.G. at Surface

Recovery: Cu. Ft. Gas \_\_\_\_\_ .15 \_\_\_\_\_

cc. Oil \_\_\_\_\_ - \_\_\_\_\_

cc. Water \_\_\_\_\_ 1840 \_\_\_\_\_

cc. Mud \_\_\_\_\_ - \_\_\_\_\_

Tot. Liquid cc. \_\_\_\_\_ 1840 \_\_\_\_\_

Gravity \_\_\_\_\_ - \_\_\_\_\_ ° API @ \_\_\_\_\_ - \_\_\_\_\_ ° F.

Gas/Oil Ratio \_\_\_\_\_ - \_\_\_\_\_ cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	.075 @ 68 °F.	57000 ppm
Recovery Mud	— @ — °F.	
Recovery Mud Filtrate	— @ — °F.	— ppm
Mud Pit Sample	— @ — °F.	
Mud Pit Sample Filtrate	.06 @ 60 °F.	85000 ppm

[illegible]

Remarks:

Address 1270 WILCO BUILDING; MIDLAND, TEXAS

Company APACHE CORPORATION

Valle \_\_\_\_\_ ROGER #1

est interval 9680' to 9710'

County LEA

technician RIDER (HOBBS)

Technician RIDER (HOBBS) Test Approved By MR. EARL E. GERTNER

Field W. VADA

Date 1-11-69

Field Report No. \_\_\_\_\_ 12098 B

No. Reports Requested 5

## PRESSURE DATA

Instrument No.	J-010			Field Report No. 12098 B		
Capacity (P.S.I.G.)	6400					
Instrument Depth	9704'					
Instrument Opening	INSIDE					
Pressure Gradient P.S.I./Ft.						
Well Temperature °F.	148					
				TIME DATA		
Initial Hydrostatic Mud	A	5242		Time Given	Time Computed	
Initial Shut-in	B	* 3459		30	Mins.	Mins.
Initial Flow	C	65		10	Mins.	Mins.
SECOND FLOW	C-3	184		45	Mins.	Mins.
SECOND SHUT-IN	B-1	* 3415		45	Mins.	Mins.
Final Flow	D	286		40	Mins.	Mins.
Final Shut-in	E	* 3412		60	Mins.	Mins.
Final Hydrostatic Mud	F	5100				
Remarks:	C-1	86				
	C-2	97				
	C-4	204				

Clock Travel \_\_\_\_\_ inches per min.

PRESSURE INCREMENTS	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
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47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
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79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

[illegible]



## SURFACE INFORMATION

[illegible]

Cushion Type	Amount	Pressure	Bottom Choke
	-		Size 5/8"

### MUD DATA

Mud Type	BRINE WATER		Wt.	8.5	
Viscosity	-		Water Loss	-	
Resist. of Mud	.14	@ 44	°F <sub>i</sub> of Filtrate	.14	@ 44
Chloride Content	59000				PPM

## EQUIPMENT &amp; HOLE DATA

Type Test	M. F. E. OPEN HOLE		
Formation Tested	SAN ANDRES		
Elevation	-		Ft.
Net Productive Interval	-		Ft.
Estimated Porosity	-		%
All Depths Measured From	KELLY BUSHING		
Total Depth	4782		Ft.
Main Hole/Casing Size	7 7/8"		
Rat Hole/Liner Size	-		
Drill Collar Length	715'	I.D.	2.5"
Drill Pipe Length	3951'	I.D.	3.8"
Packer Depth(s)	4696 & 4702		

### MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure	100	P.S.I.G. at Surface
Recovery: Cu. Ft. Gas	-	
cc. Oil	-	
cc. Water	700	
cc. Mud	-	
Tot. Liquid cc.	700	
Gravity	-	° API @ - ° F.
Gas/Oil Ratio	-	cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>.11</u> @ <u>48</u> °F.	<u>64000</u> ppm
Recovery Mud	<u>-</u> @ <u>-</u> °F.	
Recovery Mud Filtrate	<u>-</u> @ <u>-</u> °F.	<u>-</u> ppm
Mud Pit Sample	<u>.14</u> @ <u>44</u> °F.	
Mud Pit Sample Filtrate	<u>.14</u> @ <u>44</u> °F.	<u>59000</u> ppm

[illegible]**Remarks:**

Address 1720 WILCO BUILDING; MIDLAND, TEXAS 79701

Company APACHE CORPORATION

Company \_\_\_\_\_  
 Name \_\_\_\_\_ ROGER #1

est interval 4702' to 4782'

Location \_\_\_\_\_

Test # \_\_\_\_\_

Field WILD CAT

Date 12-19-68

County LEA

State NEW MEXICO

Technician ADKINS (HOBBS) State MISSISSIPPI Test Approved By MR. EARL E. GAERTNER

Field Report No. 12117 B

No. Reports Requested 5

# PRESSURE DATA

Instrument No.	J-194			Field Report No. <u>12117 B</u>	
Capacity (P.S.I.G.)	9000				
Instrument Depth	4770'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	109				
				TIME DATA	
Initial Hydrostatic Mud	A	2385		Time Given	Time Computed
Initial Shut-in	B	1667		90 Mins.	_____ Mins.
Initial Flow	C	101		10 Mins.	_____ Mins.
	C-1	145		- Mins.	_____ Mins.
	C-2	158		- Mins.	_____ Mins.
Final Flow	D	273		60 Mins.	_____ Mins.
Final Shut-in	E	1593		240 Mins.	_____ Mins.
Final Hydrostatic Mud	F	2341			

Remarks:

\* Shut in pressure did not reach static reservoir pressure.

\* Shut in pressure did not reach static reservoir pressure.

PRESSURE INCREMENTS	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

[illegible]



## SURFACE INFORMATION

[illegible]

Cushion Type	Amount	Pressure	Bottom Choke
	-		Size 15/16"

## MUD DATA

Mud Type	SALT	Wt.	9.9	
Viscosity	45	Water Loss	8.	C.C.
Resist. of Mud	-	@ - °F, of Filtrate	.06	@ 66 °F
Chloride Content	85000			PPM

## EQUIPMENT &amp; HOLE DATA

Type Test	M. F. E. OPEN HOLE		
Formation Tested	BOUGH C		
Elevation	-		Ft.
Net Productive Interval	-		Ft.
Estimated Porosity	-		%
All Depths Measured From	KELLY BUSHING		
Total Depth	9795		Ft.
Main Hole/Casing Size	7 7/8"		
Rat Hole/Liner Size	-		
Drill Collar Length	570'	I.D.	2.5"
Drill Pipe Length	9157'	I.D.	3.8"
Packer Depth(s)	9757 & 9763		
			Ft.

## MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure	800	P.S.I.G. at Surface
Recovery: Cu. Ft. Gas	2,43	
cc. Oil	160	
cc. Water	1540	
cc. Mud	-	
Tot. Liquid cc.	1700	
Gravity	46.6	°API @ 60 °F.
Gas/Oil Ratio	2415	cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	.09 @ 70 °F.	57000 ppm
Recovery Mud	- @ - °F.	
Recovery Mud Filtrate	- @ - °F.	- ppm
Mud Pit Sample	- @ - °F.	
Mud Pit Sample Filtrate	.06 @ 66 °F.	85000 ppm

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
REVERSED OUT:						@ °F.	@ °F.	
OIL AND WATER	-	25.	10	90		46.6@ 60°F.	.09 @ 70 °F.	57000
RECOVERED BELOW CIRCULATING						@ °F.	@ °F.	
SUB:						@ °F.	@ °F.	
DRILLING MUD	120	0.73				@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks: \_\_\_\_\_

Address 1270 WILCO BUILDING; MIDLAND, TEXAS

Company APACHE CORPORATION

Well \_\_\_\_\_ ROGER #1

Test Interval 9763' TO 9795'

**Location** \_\_\_\_\_

Test # 3

Field W. VADA

Date 1-13-69

County \_\_\_\_\_ LEA \_\_\_\_\_

**State**

NEW MEXICO

Technician RIDER (HOBBS)

**Test Approved By**

MR. EARL E. GAERTNER

Field Report No. 12057 B

No. Reports Requested 5

# PRESSURE DATA

Instrument No.	J-005			Field Report No. 12057 B	
Capacity (P.S.I.G.)	6400				
Instrument Depth	9783'				
Instrument Opening	OUTSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	150				
				TIME DATA	
Initial Hydrostatic Mud	A	5259		Time Given	Time Computed
Initial Shut-in	B	2544		30 Mins.	_____ Mins.
Initial Flow	C	249		10 Mins.	_____ Mins.
SECOND FLOW	C-4	1020		45 Mins.	_____ Mins.
				- Mins.	_____ Mins.
Final Flow	D	1113		5 Mins.	_____ Mins.
Final Shut-in	E	* 2544		45 Mins.	_____ Mins.
Final Hydrostatic Mud	F	5185			
Remarks:	C-1	209			
	C-2	310			
	C-3	289			
	C-5	1068			

Clock Travel	inches per min.
1	1.0
2	2.0
3	3.0
4	4.0
5	5.0
6	6.0
7	7.0
8	8.0
9	9.0
10	10.0
11	11.0
12	12.0
13	13.0
14	14.0
15	15.0
16	16.0
17	17.0
18	18.0
19	19.0
20	20.0
21	21.0
22	22.0
23	23.0
24	24.0
25	25.0
26	26.0
27	27.0
28	28.0
29	29.0
30	30.0
31	31.0
32	32.0
33	33.0
34	34.0
35	35.0
36	36.0
37	37.0
38	38.0
39	39.0
40	40.0
41	41.0
42	42.0
43	43.0
44	44.0
45	45.0
46	46.0
47	47.0
48	48.0
49	49.0
50	50.0
51	51.0
52	52.0
53	53.0
54	54.0
55	55.0
56	56.0
57	57.0
58	58.0
59	59.0
60	60.0
61	61.0
62	62.0
63	63.0
64	64.0
65	65.0
66	66.0
67	67.0
68	68.0
69	69.0
70	70.0
71	71.0
72	72.0
73	73.0
74	74.0
75	75.0
76	76.0
77	77.0
78	78.0
79	79.0
80	80.0
81	81.0
82	82.0
83	83.0
84	84.0
85	85.0
86	86.0
87	87.0
88	88.0
89	89.0
90	90.0
91	91.0
92	92.0
93	93.0
94	94.0
95	95.0
96	96.0
97	97.0
98	98.0
99	99.0
100	100.0

PRESSURE INCREMENTS	
1	0.5
2	1.0
3	1.5
4	2.0
5	2.5
6	3.0
7	3.5
8	4.0
9	4.5
10	5.0
11	5.5
12	6.0
13	6.5
14	7.0
15	7.5
16	8.0
17	8.5
18	9.0
19	9.5
20	10.0
21	10.5
22	11.0
23	11.5
24	12.0
25	12.5
26	13.0
27	13.5
28	14.0
29	14.5
30	15.0
31	15.5
32	16.0
33	16.5
34	17.0
35	17.5
36	18.0
37	18.5
38	19.0
39	19.5
40	20.0
41	20.5
42	21.0
43	21.5
44	22.0
45	22.5
46	23.0
47	23.5
48	24.0
49	24.5
50	25.0
51	25.5
52	26.0
53	26.5
54	27.0
55	27.5
56	28.0
57	28.5
58	29.0
59	29.5
60	30.0
61	30.5
62	31.0
63	31.5
64	32.0
65	32.5
66	33.0
67	33.5
68	34.0
69	34.5
70	35.0
71	35.5
72	36.0
73	36.5
74	37.0
75	37.5
76	38.0
77	38.5
78	39.0
79	39.5
80	40.0
81	40.5
82	41.0
83	41.5
84	42.0
85	42.5
86	43.0
87	43.5
88	44.0
89	44.5
90	45.0
91	45.5
92	46.0
93	46.5
94	47.0
95	47.5
96	48.0
97	48.5
98	49.0
99	49.5
100	50.0

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