



DRILL-STEM TEST DATA

Well Name	Barker (B)	Test No.	1
Well Number	3	Zone Tested	Lansing, K.C.
Company	Bowers Drlg Co.	Date	8-27-67
Comp. Rep.	Bob McCann	Tester	V. Williams
Contractor	Co-Tools	Ticket No.	ST-945
Location	35-27-12	Elevation	1765 DF

Recorder No.	2826	Clock Range	12 hr	Recorder No.	1055	Clock Range	12 hr
Depth	3693	Depth	3714	Initial Hydro Mud Press.	1957	Initial Hydro Mud Press.	1957
Initial Shut-in Press.	1172	Initial Shut-in Press.	1176	Initial Flow Press.	46	Initial Flow Press.	37
Final Flow Press.	72	Final Flow Press.	58	Final Shut-in Press.	1086	Final Shut-in Press.	1087
Final Hydro Mud Press.		Final Hydro Mud Press.					

Temperature	118	Tool Open Before I.S.I.	10	Mins.		
Mud Drop	1	Initial Shut-in	30	Mins.		
Mud Weight	9.6	Viscosity	44	Flow Period	60	Mins.
Fluid Loss	8	Final Shut-in	30	Mins.		

Interval Tested	3706 to 3717	Surface Choke Size	3/4		
Net Pay Tested		Bottom Choke Size	3/4		
Top Packer Depth	3701	Main Hole Size	7 7/8		
Bottom Packer Depth	3706	Rat Hole Size			
Total Depth	3717	Feet Of Rat Hole			
Drill Pipe Size	4 1/2 FH	Wt.	16.60	Type of Test	Open Hole
Drill Collar I.D.	2 1/4	Ft. Run	90	Cushion Amount—Type	
Anchor Size	5 1/2	Rubber Size	6 3/4		

Recovery—Total Feet 2665

Recovered 2600 Feet Of Gas in pipe

Recovered 65 Feet Of Hvy. gas & oil cut mud

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

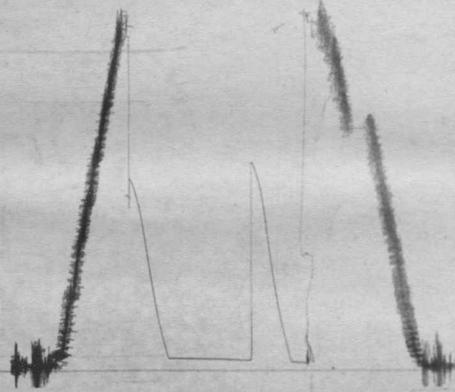
Remarks

Strong blow thru-out test

4' Correction was made up hole after test

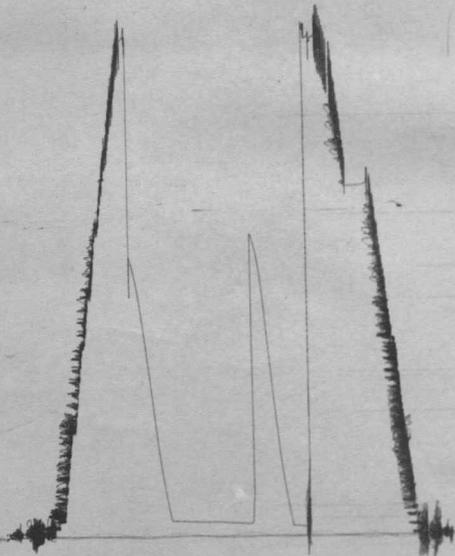
2826

ST-945



10537

ST-945





DRILL-STEM TEST DATA

Well Name	Barker (B)	Test No.	2
Well Number	3	Zone Tested	Lansing K.C.
Company	Bowers Drlg Co.	Date	8-28-67
Comp. Rep.	Bob McCann	Tester	V. Williams
Contractor	Co-Tools	Ticket No.	ST-946
Location	35-27-12	Elevation	1765 DF

Recorder No. 2826 Clock Range 12 hr Recorder No. 1055 Clock Range 12 hr
 Depth 3762 Depth 3787
 Initial Hydro Mud Press. 2043 Initial Hydro Mud Press. 2043
 Initial Shut-in Press. 1066 Initial Shut-in Press. 1069
 Initial Flow Press. 79 Initial Flow Press. 70
 Final Flow Press. 149 Final Flow Press. 145
 Final Shut-in Press. 937 Final Shut-in Press. 937
 Final Hydro Mud Press. _____ Final Hydro Mud Press. _____

Temperature 120 Tool Open Before I.S.I. 10 Mins.
 Mud Drop 1 Initial Shut-in 30 Mins.
 Mud Weight 9.8 Viscosity 43 Flow Period 60 Mins.
 Fluid Loss 8 Final Shut-in 30 Mins.

Interval Tested 3775 to 3790 Surface Choke Size 3/4
 Net Pay Tested 2 Bottom Choke Size 3/4
 Top Packer Depth 3770 Main Hole Size 7 7/8
 Bottom Packer Depth 3775 Rat Hole Size _____
 Total Depth 3790 Feet Of Rat Hole _____
 Drill Pipe Size 4 1/2 FH Wt. 16.60 Type of Test Open Hole
 Drill Collar I.D. 2 1/4 Ft. Run 90 Cushion Amount—Type _____
 Anchor Size 5 1/2 Rubber Size 6 3/4

Recovery—Total Feet 311
 Recovered 67 Feet Of Hvy. oil & gas cut mud
 Recovered 184 Feet Of Muddy Oil
 Recovered 60 Feet Of Slightly oil & mud cut water
 Recovered _____ Feet Of _____

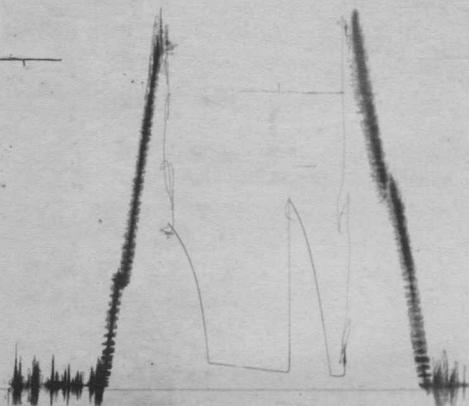
Remarks

Strong blow thru-out test

Gas to surface 13 min. after I.B.H.P. to small to measure

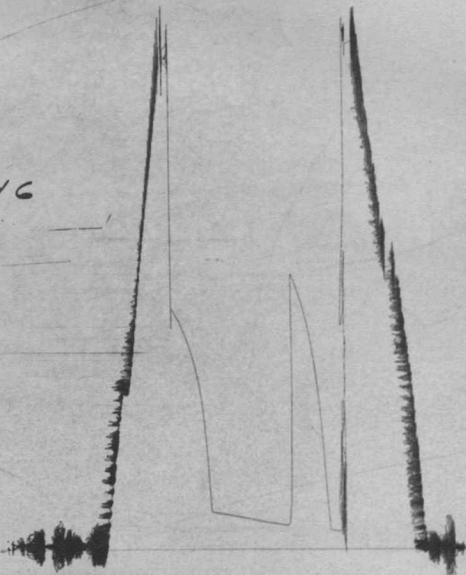
2826

ST-946



1055

ST-946





DRILL-STEM TEST DATA

Well Name	Barker (B)	Test No.	3
Well Number	3	Zone Tested	Lansing K.C
Company	Bowers Drilg Co.	Date	8-29-67
Comp. Rep.	Bob McCann	Tester	V. Williams
Contractor	Co-Tools	Ticket No.	st-947
Location	35-27-12	Elevation	1765 DF

Recorder No.	2826	Clock Range	12 hr	Recorder No.	1055	Clock Range	12 hr
Depth	3792	Depth	3812	Initial Hydro Mud Press.	2073	Initial Hydro Mud Press.	2073
Initial Shut-in Press.	1333	Initial Shut-in Press.	1343	Initial Flow Press.	55	Initial Flow Press.	55
Final Flow Press.	160	Final Flow Press.	155	Final Shut-in Press.	1266	Final Shut-in Press.	1273
Final Hydro Mud Press.		Final Hydro Mud Press.		Temperature	123	Tool Open Before I.S.I.	10 Mins.
Mud Drop	1	Initial Shut-in	30 Mins.	Mud Weight	9.8	Viscosity	43
Fluid Loss	8	Flow Period	60 Mins.	Interval Tested	3805 to 3815	Surface Choke Size	3/4
Net Pay Tested		Final Shut-in	30 Mins.	Top Packer Depth	3800	Bottom Choke Size	3/4
Bottom Packer Depth	3805	Feet Of Rat Hole		Total Depth	3815	Main Hole Size	7 7/8
Drill Pipe Size	4 1/2 FH	Type of Test	Open Hole	Drill Collar I.D.	2 1/4	Ft. Run	90
Anchor Size	5 1/2	Rubber Size	6 3/4	Recovery—Total Feet	399	Recovered	324 Feet Of Gassy muddy oil
				Recovered	75 Feet Of Slightly oil cut muddy water		

Recovery—Total Feet **399**Recovered **324** Feet Of **Gassy muddy oil**Recovered **75** Feet Of **Slightly oil cut muddy water**

Recovered _____ Feet Of _____

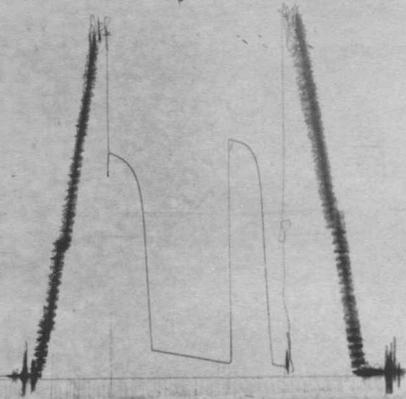
Recovered _____ Feet Of _____

Remarks

Strong blow thru-out test**Gas to surface 1 1/4 min after I.B.H.P. to small to measure**

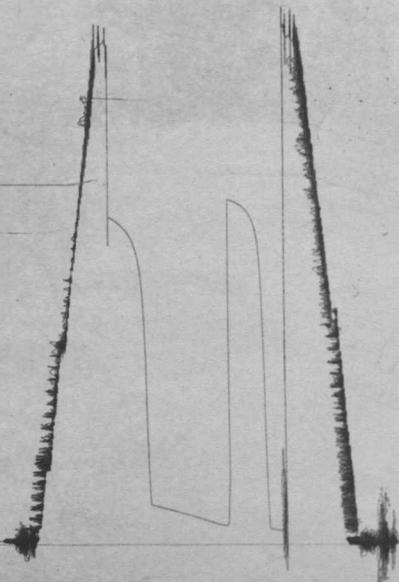
2826

ST-947



1055

ST-947





DRILL-STEM TEST DATA

Well Name Barker (B)	Test No. 4
Well Number 3	Zone Tested Lansing K.C.
Company Bowers Drlg Co.	Date 8-29-67
Comp. Rep. Bob McCann	Tester V. Williams
Contractor Co-Tools	Ticket No. ST-948
Location 35-27-12	Elevation 1765 DF

Recorder No. **2826** Clock Range **12 hr** Recorder No. **1055** Clock Range **12 hr**Depth ~~3851~~ **3851** Depth **3877**Initial Hydro Mud Press. **2073** Initial Hydro Mud Press. **2073**Initial Shut-in Press. **1296** Initial Shut-in Press. **1299**Initial Flow Press. **138** Initial Flow Press. **134**Final Flow Press. **268** Final Flow Press. **264**Final Shut-in Press. **1223** Final Shut-in Press. **1227**

Final Hydro Mud Press. _____ Final Hydro Mud Press. _____

Temperature **124** Tool Open Before I. S. I. **10** Mins.Mud Drop **1** Initial Shut-in **30** Mins.Mud Weight **9.8** Viscosity **42** Flow Period **30** Mins.Fluid Loss **11.6** Final Shut-in **30** Mins.Interval Tested **3864 to 3880** Surface Choke Size **B/4**Net Pay Tested _____ Bottom Choke Size **3/4**Top Packer Depth **3859** Main Hole Size **7 7/8**Bottom Packer Depth **3864** Rat Hole Size _____Total Depth **3880** Feet Of Rat Hole _____Drill Pipe Size ~~1 1/2~~ **4 1/2 FH** Wt. **16.60** Type of Test ~~IBH~~ **Open Hole**Drill Collar I. D. **2 1/4** Ft. Run **90** Cushion Amount—Type _____Anchor Size **5 1/2** Rubber Size **6 3/5**Recovery—Total Feet **1270**Recovered **1150** Feet Of **Clean gassy oil**Recovered **60** Feet Of **Hvy. oil & gas cut mud**Recovered **60** Feet Of **Muddy water**

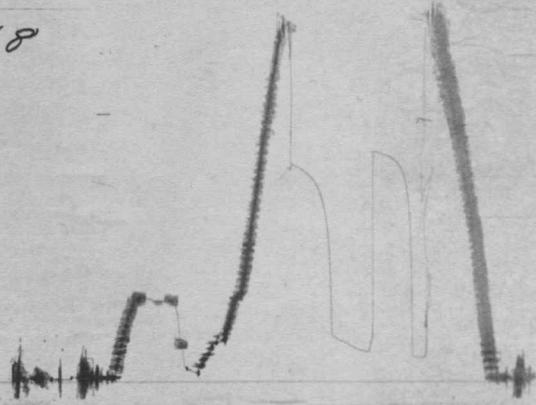
Recovered _____ Feet Of _____

Remarks

Strong blow thru-out test**Gas to surface 4 min gauge 175,000 in 10 min.****After I.B.H.P. gauge 196,000 in 5 min. 175,000 in 15 min. 99,000 in 20 min.****Surging from 70,000 to 90,000 remainder of test**

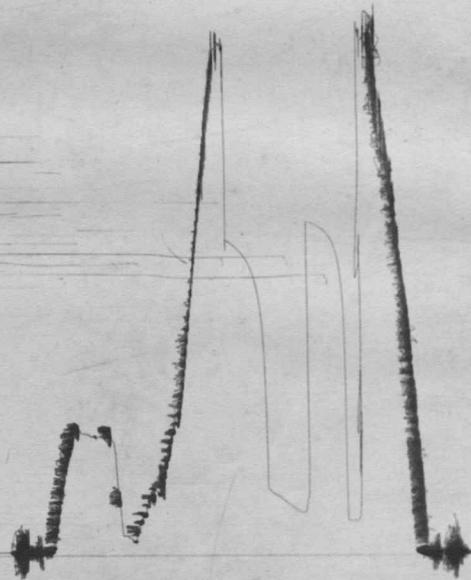
2826

ST-948



1055

ST-948





DRILL-STEM TEST DATA

Well Name	Barker (B)	Test No.	5
Well Number	3	Zone Tested	Lansing.K.C.
Company	Bowers Drlg Co.	Date	8-30-67
Comp. Rep.	Bob McCann	Tester	V.Williams
Contractor	Co-Tools	Ticket No.	ST-949
Location	35-27-12	Elevation	1765 DF

Recorder No.	2826	Clock Range	12 hr	Recorder No.	1055	Clock Range	12 hr
Depth	3889	Depth	3917	Initial Hydro Mud Press.	2084	Initial Hydro Mud Press.	2084
Initial Hydro Mud Press.	2084	Initial Shut-in Press.	1409	Initial Shut-in Press.	1411	Initial Flow Press.	154
Initial Shut-in Press.	1409	Initial Flow Press.	154	Final Flow Press.	433	Final Flow Press.	425
Initial Flow Press.	154	Final Shut-in Press.	1277	Final Shut-in Press.	1282	Final Hydro Mud Press.	
Final Flow Press.	433	Final Hydro Mud Press.		Temperature	122	Tool Open Before I.S.I.	10 Mins.
Final Shut-in Press.	1277	Temperature	122	Mud Drop	1	Initial Shut-in	30 Mins.
Final Hydro Mud Press.		Mud Drop	1	Mud Weight	9.8	Viscosity	42
Temperature	122	Mud Weight	9.8	Fluid Loss	8.8	Flow Period	60 Mins.
Mud Drop	1	Fluid Loss	8.8	Interval Tested	3902 to 3920	Final Shut-in	30 Mins.
Mud Weight	9.8	Interval Tested	3902 to 3920	Net Pay Tested		Surface Choke Size	3/4
Fluid Loss	8.8	Net Pay Tested		Top Packer Depth	3897	Bottom Choke Size	3/4
Interval Tested	3902 to 3920	Top Packer Depth	3897	Bottom Packer Depth	3902	Main Hole Size	7 7/8
Net Pay Tested		Bottom Packer Depth	3902	Total Depth	3920	Rat Hole Size	
Top Packer Depth	3897	Total Depth	3920	Drill Pipe Size	4 1/2 FH	Feet Of Rat Hole	
Bottom Packer Depth	3902	Drill Pipe Size	4 1/2 FH	Wt.	16.60	Type of Test	Open Hole
Total Depth	3920	Wt.	16.60	Drill Collar I.D.	2 1/4	Cushion Amount—Type	
Drill Pipe Size	4 1/2 FH	Drill Collar I.D.	2 1/4	Anchor Size	5 1/2	Rubber Size	6 3/4
Wt.	16.60	Anchor Size	5 1/2	Recovery—Total Feet	2232		
Drill Collar I.D.	2 1/4	Recovery—Total Feet	2232	Recovered	2052	Feet Of	Gassy oil
Anchor Size	5 1/2	Recovered	2052	Recovered	120	Feet Of	Hvy. gas & oil cut mud
Recovery—Total Feet	2232	Recovered	120	Recovered	60	Feet Of	Muddy water
Recovered	2052	Recovered	60	Recovered		Feet Of	
Recovered	120	Recovered		Remarks			
Recovered	60	Remarks					
Recovered							

Recovery—Total Feet **2232**

Recovered **2052** Feet Of **Gassy oil**

Recovered **120** Feet Of **Hvy. gas & oil cut mud**

Recovered **60** Feet Of **Muddy water**

Recovered _____ Feet Of _____

Remarks

Strong blow thru-out test ,Gas to surface 5 min. gauge 214,000 in 10 min.

After I.B.H.P. gauge 162,000 in 10 min. Surging from to small to measure to 162,000 remainder of test



DRILL-STEM TEST DATA

Well Name Barker (B)	Test No. 6
Well Number 3	Zone Tested Lansing K.C.
Company Bowers Drlg Co.	Date 8-30-67
Comp. Rep. Bob McCann	Tester V. Williams
Contractor Co-Tools	Ticket No. _____
Location 35-27-12	Elevation 1765 DF

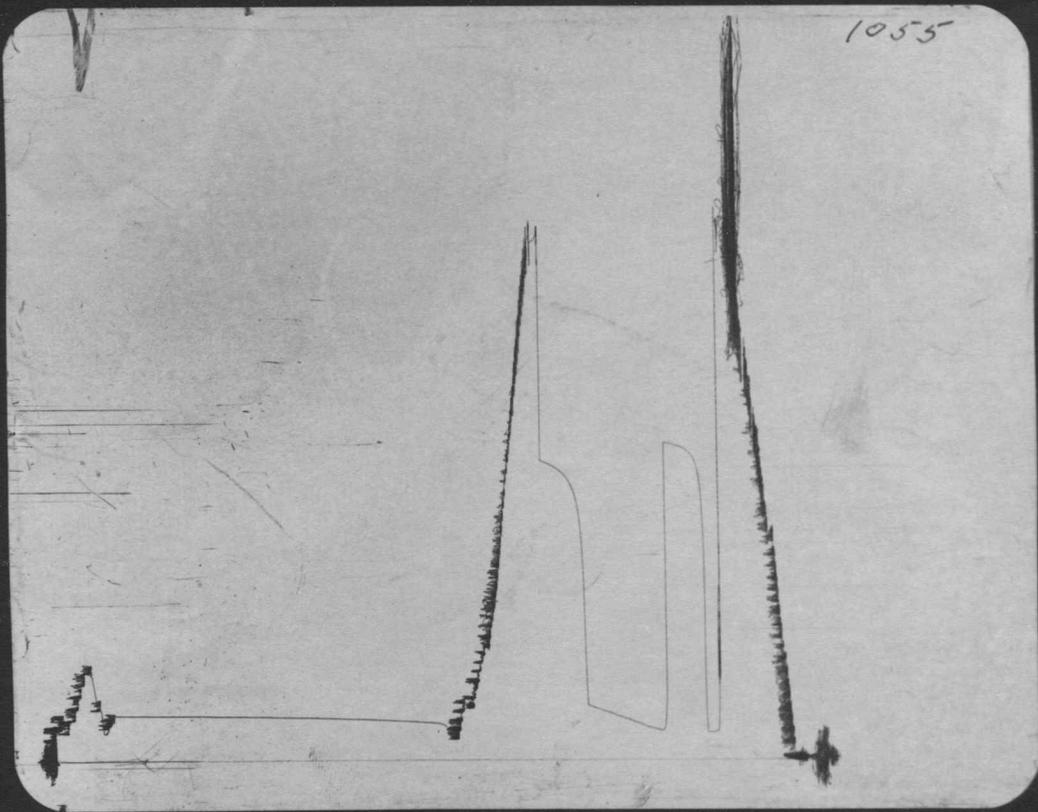
Recorder No. 2826	Clock Range 12 hr	Recorder No. 1055	Clock Range 12 hr
Depth 3931		Depth 3952	
Initial Hydro Mud Press. 2105		Initial Hydro Mud Press. 2105	
Initial Shut-in Press. 1240		Initial Shut-in Press. 1238	
Initial Flow Press. 103		Initial Flow Press. 106	
Final Flow Press. 224		Final Flow Press. 215	
Final Shut-in Press. 1172		Final Shut-in Press. 1165	
Final Hydro Mud Press. _____		Final Hydro Mud Press. _____	
Temperature 122		Tool Open Before I.S.I. 10	Mins.
Mud Drop 1		Initial Shut-in 30	Mins.
Mud Weight 9.8	Viscosity 42	Flow Period 60	Mins.
Fluid Loss 8.8		Final Shut-in 30	Mins.
Interval Tested 3944 to 3955		Surface Choke Size 3/4	
Net Pay Tested _____		Bottom Choke Size 3/4	
Top Packer Depth 3939		Main Hole Size 7 7/8	
Bottom Packer Depth 3944		Rat Hole Size _____	
Total Depth 3955		Feet Of Rat Hole _____	
Drill Pipe Size 4 1/2 FH	Wt. 16.60	Type of Test Open Hole	
Drill Collar I.D. 2 1/4	Ft. Run 90	Cushion Amount—Type _____	
Anchor Size 5 1/2		Rubber Size 6 3/4	

Recovery—Total Feet **988**Recovered **620** Feet Of **Clean Oil**Recovered **186** Feet Of **Muddy oil**Recovered **182** Feet Of **Heavily oil & gas cut mud**

Recovered _____ Feet Of _____

Remarks

Strong blow thru-out test Gas to surface 5 min gauge 162,000 in 10 min.**After I.B.H.P. gauge 162,000 in 10 min. 155,000 in 20 & 30 & 40 min.****139,000 in 50 & 60 min.**





DRILL-STEM TEST DATA

Well Name	<u>Barker (B)</u>	Test No.	<u>7</u>
Well Number	<u>3</u>	Zone Tested	<u>Douglas Sand</u>
Company	<u>Bowers Drlg Co.</u>	Date	<u>9-1-67</u>
Comp. Rep.	<u>Bob McCann</u>	Tester	<u>V. Williams</u>
Contractor	<u>Co-Tools</u>	Ticket No.	<u>ST-950</u>
Location	<u>35-27-12</u>	Elevation	<u>1765 DF</u>

Recorder No. 2826 Clock Range 12 hr Recorder No. 1055 Clock Range 12 hr
 Depth 3550 Depth 4096
 Initial Hydro Mud Press. 1893 Initial Hydro Mud Press. _____
 Initial Shut-in Press. 1443 Initial Shut-in Press. Blank
 Initial Flow Press. 92 Initial Flow Press. off
 Final Flow Press. 551 Final Flow Press. recorder
 Final Shut-in Press. 1394 Final Shut-in Press. _____
 Final Hydro Mud Press. _____ Final Hydro Mud Press. _____

Temperature _____ Tool Open Before I. S. I. 10 Mins.
 Mud Drop 1 Initial Shut-in 30 Mins.
 Mud Weight 9.6 Viscosity 44 Flow Period 60 Mins.
 Fluid Loss 10.8 Final Shut-in 30 Mins.

Interval Tested 3557 to 3601 Surface Choke Size 3/4
 Net Pay Tested _____ Bottom Choke Size 3/4
 Top Packer Depth 3557 Main Hole Size 7 7/8
 Bottom Packer Depth 3601 Rat Hole Size _____
 Total Depth 4099 Feet Of Rat Hole _____
 Drill Pipe Size 4 1/2 FH Wt. 16.60 Type of Test Straddle Test
 Drill Collar I. D. 2 1/4 Ft. Run 90 Cushion Amount—Type _____
 Anchor Size 5 1/2 Rubber Size 6 3/4

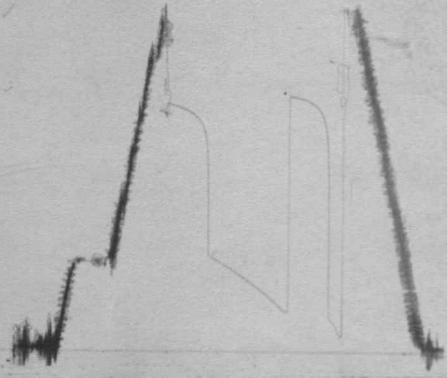
Recovery—Total Feet 1085
 Recovered 1085 Feet Of Salt water
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____

Remarks

Strong blow thru-out test
498 Tail pipe

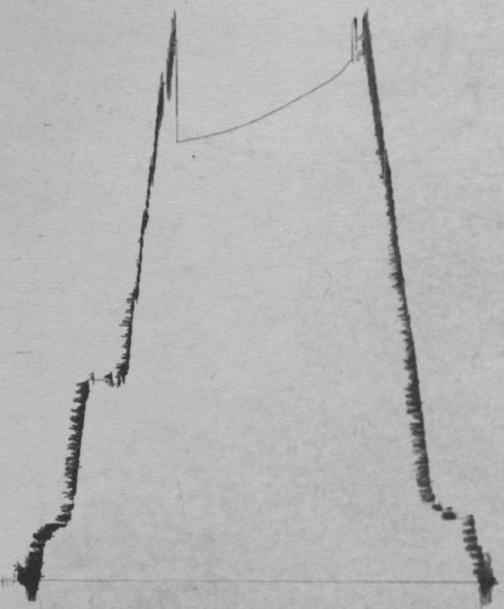
2826

ST-950



1055

ST-950





DRILL-STEM TEST DATA

Well Name	Barker (B)	Test No.	8
Well Number	3	Zone Tested	Marmaton
Company	Bowers Drlg Co.	Date	9-1-67
Comp. Rep.	Bob McCann	Tester	V. Williams
Contractor	Go-Tools	Ticket No.	ST-951
Location	35-27-12	Elevation	1765 DF

Recorder No. 2826 Clock Range 12 hr Recorder No. 1055 Clock Range 12 hr
 Depth 3985 Depth 4096
 Initial Hydro Mud Press. 2158 Initial Hydro Mud Press. _____
 Initial Shut-in Press. 1094 Initial Shut-in Press. Blank
 Initial Flow Press. 66 Initial Flow Press. off
 Final Flow Press. 125 Final Flow Press. recorder
 Final Shut-in Press. 799 Final Shut-in Press. _____
 Final Hydro Mud Press. _____ Final Hydro Mud Press. _____

Temperature _____ Tool Open Before I. S. I. 10 Mins.
 Mud Drop 1 Initial Shut-in 30 Mins.
 Mud Weight 9.6 Viscosity 44 Flow Period 60 Mins.
 Fluid Loss 10.8 Final Shut-in 30 Mins.

Interval Tested 3992 to 4016 Surface Choke Size 3/4
 Net Pay Tested 4 Bottom Choke Size 3/4
 Top Packer Depth 3992 Main Hole Size 7 7/7
 Bottom Packer Depth 4016 Rat Hole Size _____
 Total Depth 4099 Feet Of Rat Hole _____
 Drill Pipe Size 4 1/2 FH Wt. 16.60 Type of Test Straddle Test
 Drill Collar I. D. 2 1/4 Ft. Run 90 Cushion Amount—Type _____
 Anchor Size 5 1/2 Rubber Size 6 3/4

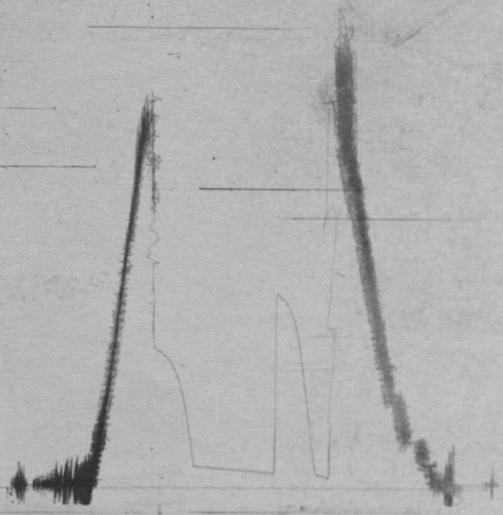
Recovery—Total Feet 244
 Recovered 93 Feet Of Slightly oil cut mud
 Recovered 31 Feet Of Hvy. oil & gas cut mud
 Recovered 120 Feet Of Muddy oil
 Recovered _____ Feet Of _____

Remarks

Strong blow thru-out test Gas to surface 18 min after I.B.H.P. T.S.T.M.
83' Tail pipe

2826

57-951



1055

57-951

