



DRILL-STEM TEST DATA

Well Name	Dralle	Test No.	1
Well Number	A - 1	Zone Tested	Kansas City
Company	Monarch Oil & Gas Co.	Date	8 - 2 - 67
Comp. Rep.	Bob Williams	Tester	Don Fabricius
Contractor	Sage Drlg. Co.	Ticket No.	ST - 1098
Location	16 - 22 - 14	Elevation	1948 K.B.

Recorder No. 1620 Clock Range 12 hr. Recorder No. 2825 Clock Range 12 hr.

Depth 3604' Depth 3608'

Initial Hydro Mud Press. 1994 Initial Hydro Mud Press. 2070

Initial Shut-in Press. 741 Initial Shut-in Press. 746

Initial Flow Press. 74 Initial Flow Press. 68

Final Flow Press. 104 Final Flow Press. 97

Final Shut-in Press. 1950 Final Shut-in Press. 734

Final Hydro Mud Press. Final Hydro Mud Press. 2023

Temperature Tool Open Before I.S.I. 30 Mins.

Mud Drop 1' Initial Shut-in 30 Mins.

Mud Weight 10 #/gal. Viscosity 47 cp Flow Period 45 Mins.

Fluid Loss 9 cc Final Shut-in 30 Mins.

Interval Tested 3592' to 3608' Surface Choke Size 1"

Net Pay Tested 5' Bottom Choke Size 3/4"

Top Packer Depth Main Hole Size 7-7/8"

Bottom Packer Depth 3592' Rat Hole Size

Total Depth 3608' Feet Of Rat Hole

Drill Pipe Size 4-1/2" FH Wt. 16.60 Type of Test Open hole

Drill Collar I.D. Ft. Run Cushion Amount—Type

Anchor Size 5-1/2" OD Rubber Size 6-3/4"

Recovery—Total Feet 1800

Recovered 1600, Feet Of Gas in pipe.

Recovered 140 Feet Of Gassy oil.

Recovered 60 Feet Of Water.

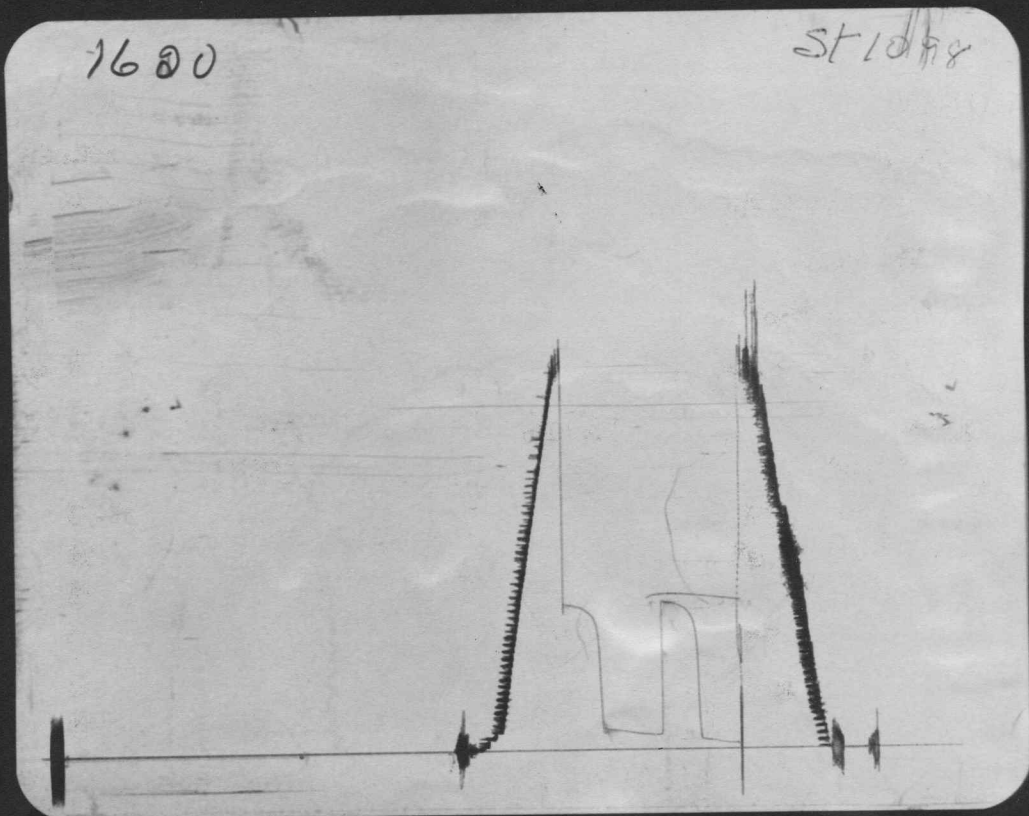
Recovered Feet Of

Remarks

Stron blow thru out test.

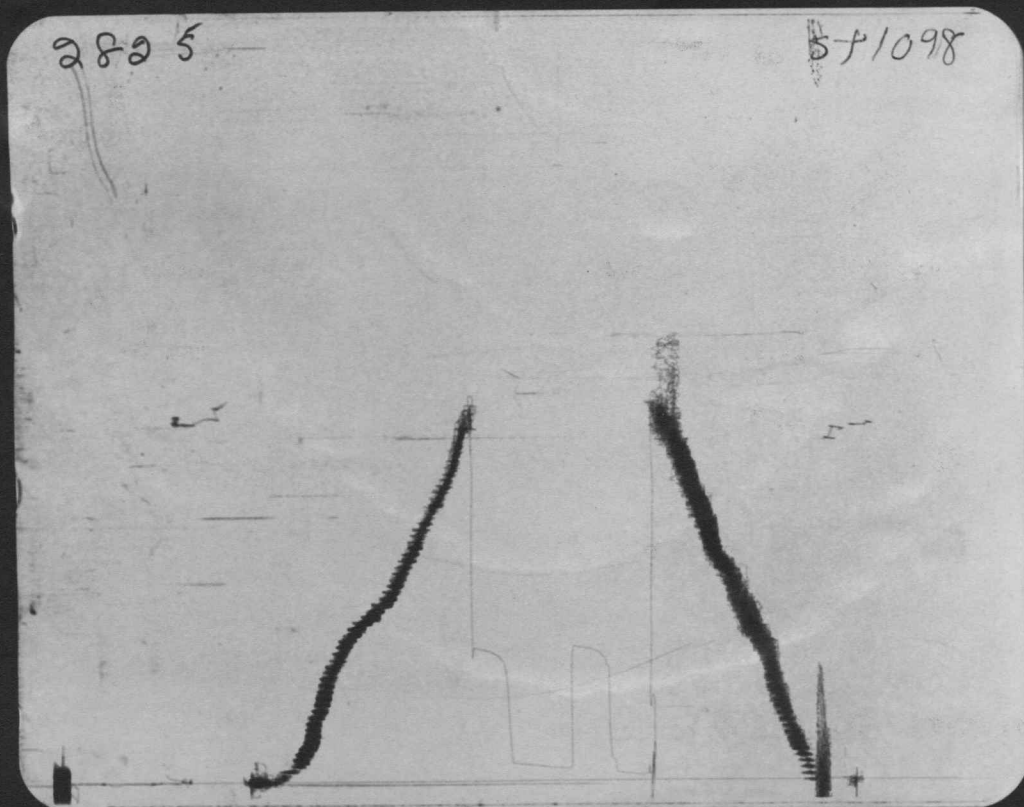
1600

ST 1098



2825

ST 1098





DRILL-STEM TEST DATA

Well Name	Drallo	Test No.	2
Well Number	A - 1	Zone Tested	Kansas City
Company	Monarch Oil & Gas Co.	Date	8 - 2 - 67
Comp. Rep.	Bob Williams	Tested by	Don Fabricius
Contractor	Sage Drlg. Co.	Ticket No.	ST - 10909
Location	16 - 22 14	Elevation	1945 K.B.

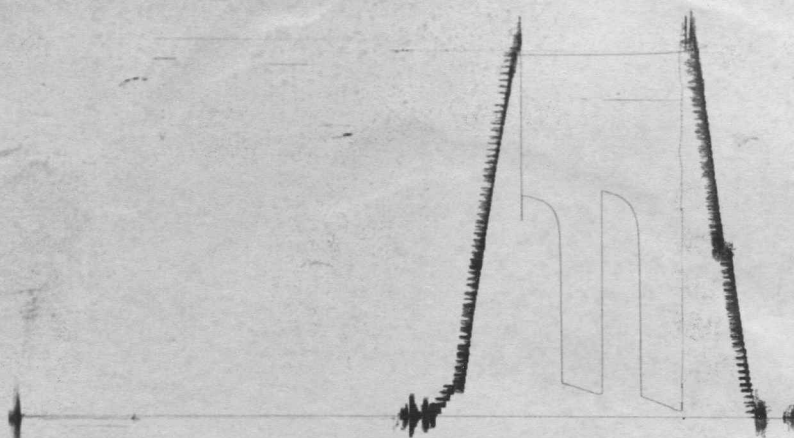
Recorder No. 1620	Clock Range 12 hr.	Recorder No. 2825	Clock Range 12 hr.
Depth 3619'		Depth 3645'	
Initial Hydro Mud Press. 1981		Initial Hydro Mud Press. 1953	
Initial Shut-in Press. 1141		Initial Shut-in Press. 1145	
Initial Flow Press. 132		Initial Flow Press. 120	
Final Flow Press. 166		Final Flow Press. 163	
Final Shut-in Press. 1114		Final Shut-in Press. 1115	
Final Hydro Mud Press. 1932		Final Hydro Mud Press. 1867	
Temperature _____		Tool Open Before I.S.I. 30	Mins.
Mud Drop 1'		Initial Shut-in 30	Mins.
Mud Weight 10 #/ga l.	Viscosity 45 cp	Flow Period 30	Mins.
Fluid Loss 6.2 cc		Final Shut-in 30	Mins.
Interval Tested 3612' to 3645'		Surface Choke Size 1"	
Net Pay Tested _____		Bottom Choke Size 3/4"	
Top Packer Depth _____		Main Hole Size 7-7/8"	
Bottom Packer Depth 3612'		Rat Hole Size _____	
Total Depth 3645'		Feet Of Rat Hole _____	
Drill Pipe Size 4-1/2" FH	Wt. 16.60	Type of Test Open hole	
Drill Collar I.D. _____	Ft. Run _____	Cushion Amount—Type _____	
Anchor Size 5-1/2" CD		Rubber Size 6-3/4"	
Recovery—Total Feet 310			
Recovered 300	Feet Of Water .		
Recovered 10	Feet Of Oil cut mud.		
Recovered _____	Feet Of _____		
Recovered _____	Feet Of _____		

Remarks

Strong flow thru out test.

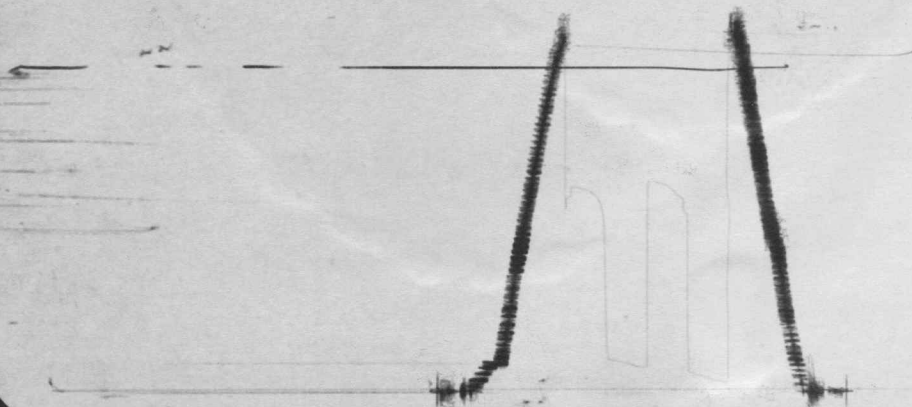
1620

ST 1099



2825

ST 1099





DRILL-STEM TEST DATA

Well Name	Dralle	Test No.	3
Well Number	A-1	Zone Tested	Kansas City
Company	Monarch Oil & Gas Co.	Date	8 - 3 - 67
Comp. Rep.	Bob Williams	Tester	Don Fabricius
Contractor	Sage Drlg. Co.	Ticket No.	ST - 1100
Location	16 - 22 - 14	Elevation	1945 K.B.

Recorder No. 1620 Clock Range 12 hr. Recorder No. 2825 Clock Range 12 hr.

Depth 3664' Depth 3700'

Initial Hydro Mud Press. 1925 Initial Hydro Mud Press. 2141

Initial Shut-in Press. 418 Initial Shut-in Press. 505

Initial Flow Press. 32 Initial Flow Press. 22

Final Flow Press. 32 Final Flow Press. 22

Final Shut-in Press. 418 Final Shut-in Press. 505

Final Hydro Mud Press. 1898 Final Hydro Mud Press. 2118

Temperature 1' Tool Open Before I.S.I. 30 Mins.

Mud Drop 9.9 #/gal. Initial Shut-in 30 Mins.

Mud Weight 9.9 #/gal. Viscosity 45 cp Flow Period 30 Mins.

Fluid Loss 10 cc Final Shut-in 30 Mins.

Interval Tested 3652' to 3700' Surface Choke Size 1"

Net Pay Tested Bottom Choke Size 3/4"

Top Packer Depth Main Hole Size 7-7/8"

Bottom Packer Depth 3652' Rat Hole Size

Total Depth 3700' Feet Of Rat Hole

Drill Pipe Size 4-1/2" FH Wt. 16.60 Type of Test Open hole

Drill Collar I.D. Ft. Run Cushion Amount—Type

Anchor Size 5-1/2" CB Rubber Size 6-3/4"

Recovery—Total Feet 5

Recovered 5 Feet Of Mud.

Recovered Feet Of

Recovered Feet Of

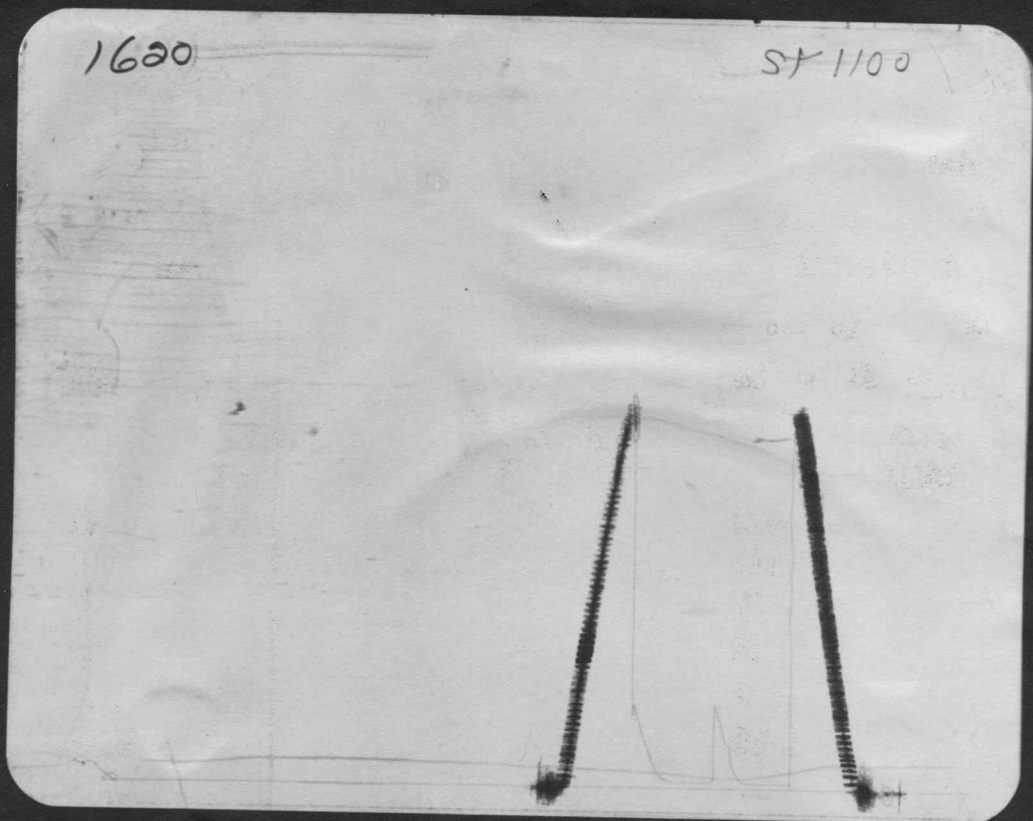
Recovered Feet Of

Remarks

Very weak blow. Dead in 8 min.

1620

ST 1100



2805

ST 1100

