



BOMIN TESTING, INC.

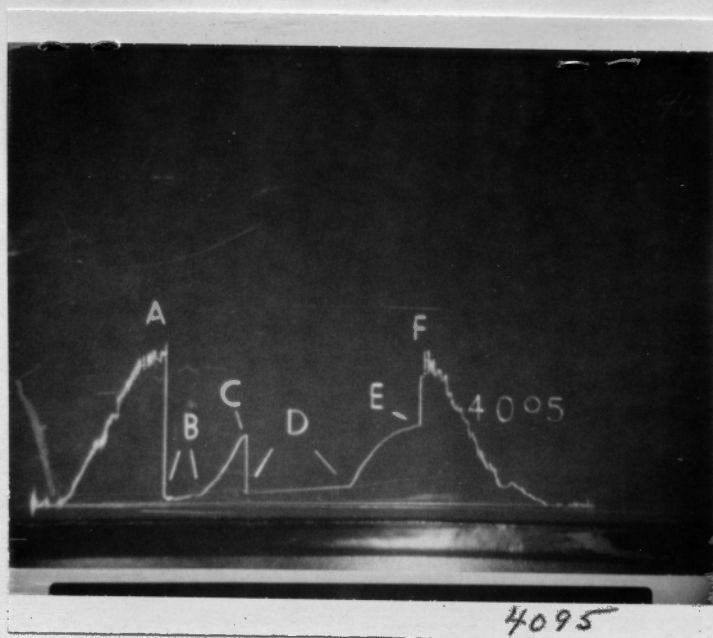
BOX 782

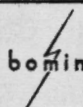
LIBERAL, KANSAS 67901

FORMATION TESTING REPORT

4401-4443'

Evans	1	1	Bruce Calder	Spearman, Texas
Lease Name	Well No.	Test No.	Lease Owner	Owners District
LOCATION 29-34s-30w			FIELD Adams Ranch West	COUNTY Meade
				STATE Kansas



First Flow	30	Minutes	 BOMIN TESTING BOX 782 LIBERAL, KANSAS	Date	6-9-1969
First CIP	40	Minutes		Ticket No.	4095
Second Flow	90	Minutes		DISTRICT	Woodward, Okla.
Second CIP	60	Minutes		Kind of Job	Open Hole Test
Depth Top Gauge	4433	Ft.	Blanked Off No	CONTRACTOR Sage Drilling Co.	
Recorder No.	3084	12	Hr. Clock	HOLE & TOOL DATA	
Pressure Readings	Field	Office Corrected	Elevation	2642'	Top Packer Depth
Initial Hydro Mud Pressure	A-2370	2366	Total Depth	4443'	Bottom Packer Depth
First Flow	B-108-135	110-135	Casing or Hole Size	7 7/8"	Size & Type Wall Packer
First CIP	C-1079	1084	Liner or Rathole Size		Size Bottom Choke
Second Flow	D-188-377	190-373	Interval Tested	4401-4443'	Size Surface Choke
Second CIP	E-1216	1220	Formation Tested	Lansing	ID & Length Drill Collars
Final Hydro Mud Pressure	F-2367	2381	Est. Gauge Depth Temp.	124	Size Drill Pipe
Depth Bottom Gauge	4443	Ft.	Blanked Off Yes	MUD DATA Weight	Viscosity
Recorder No.		Hr. Clock	All depths measured from	K.B.	No. Folders Reproduced
Pressure Readings	Field	Office Corrected	REMARKS: Open tool with good blow for		
Initial Hydro Mud Pressure			30 min. Closed tool for 40 min.		
First Flow			Open tool with good blow thru out		
First CIP			test. Closed tool for 60 min. Open		
Second Flow			tool good thru out test. Closed tool		
Second CIP			for 60 min.		
Final Hydro Mud Pressure					
Recovered	120	Feet of	Gas cut mud		
Recovered	120	Feet of	Oil cut mud		
Recovered	360	Feet of	Oil cut salt water		
Recovered	3360	Feet of	Gas in D.P.		
Witnessed By	W.R. Atkinson				
Amount-Type of Cushion			Tester	J.C. Kime	

LOCATION 29-34s-30w

FIELD Adams Ranch West

COUNTY Meade

STATE Kansas

Lease Name

Well No.

Test No.

Lease Owner

Owners District

Evans

1

1

Bruce Calder

Spearman, Texas

4401-4443'



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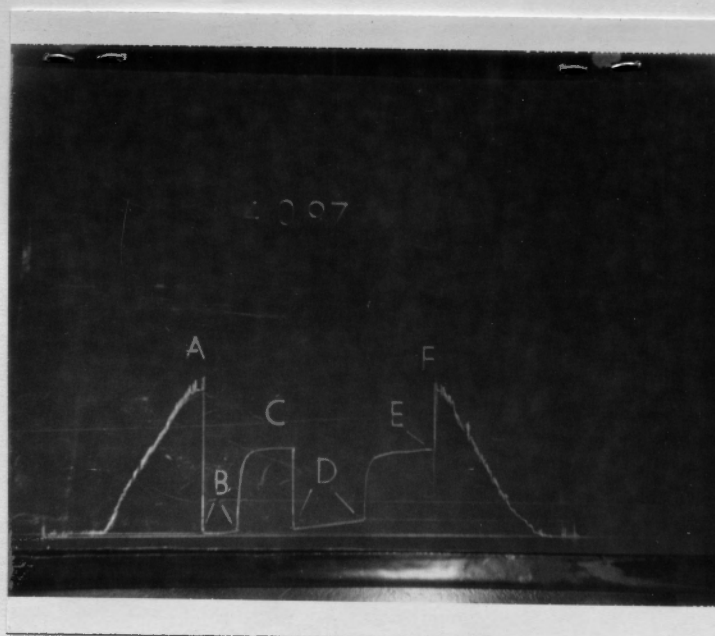
BOX 782

LIBERAL, KANSAS 67901

FORMATION TESTING REPORT

Lease Name		1-29		Well No.		3		Test No.		Bruce Calder		Lease Owner		Spearman, Texas		Owners District	
LOCATION		29-34S-30W		FIELD		Adams Ranch West		COUNTY		Meade		STATE		Kansas			

4549-4558'



First Flow	30	Minutes	 BOMIN TESTING BOX 782 LIBERAL, KANSAS	Date	6-11-1969	LOCATION 29-34s-30w		
First CIP	45	Minutes		Ticket No.	4097			
Second Flow	60	Minutes		DISTRICT	Woodward, Okla.			
Second CIP	60	Minutes		Kind of Job	Open Hole Test			
Depth Top Gauge	4440	Ft.	Blanked Off	No	CONTRACTOR	Sage Drilling Co.	FIELD Adams Ranch West	
Recorder No.	3084		12	Hr. Clock	HOLE & TOOL DATA			
Pressure Readings	Field		Office Corrected		Elevation	2642'		
Initial Hydro Mud Pressure	A-2287		2281		Total Depth	4558'		
First Flow	B-27-54		26-54		Casing or Hole Size	7 7/8"	COUNTY Meade	
First CIP	C-1271		1268		Liner or Rathole Size			
Second Flow	D-54-296		55-299		Interval Tested	4549-4558'		
Second CIP	E-1299		1292		Formation Tested	Lansing		
Final Hydro Mud Pressure	F-2281		2284		Est. Gauge Depth Temp.	125	STATE Kansas	
Depth Bottom Gauge	4558	Ft.	Blanked Off	Yes	MUD DATA Weight	9.5		
Recorder No.	650		4	Hr. Clock	All depths measured from	K.B.		
Pressure Readings	Field		Office Corrected		REMARKS:	Open tool with fair blow for		
Initial Hydro Mud Pressure					30 min. Closed tool for 45 min. Open		OWNERS District	
First Flow					tool, fair blow. Closed tool for 45 min			
First CIP								
Second Flow								
Second CIP							Spearman, Texas	
Final Hydro Mud Pressure								
Recovered	90		Feet of		Gas cut mud			
Recovered	60		Feet of		Oil and gas cut mud			
Recovered	480		Feet of		Gas cut salt water		Lease Owner	
Recovered			Feet of					
Witnessed By			W.R. Atkinson					Lease Name
Amount-Type of Cushion			Tester J.C. Kime					

Evans

1-29

3

Bruce Calder

Spearman, Texas

4549-4558'



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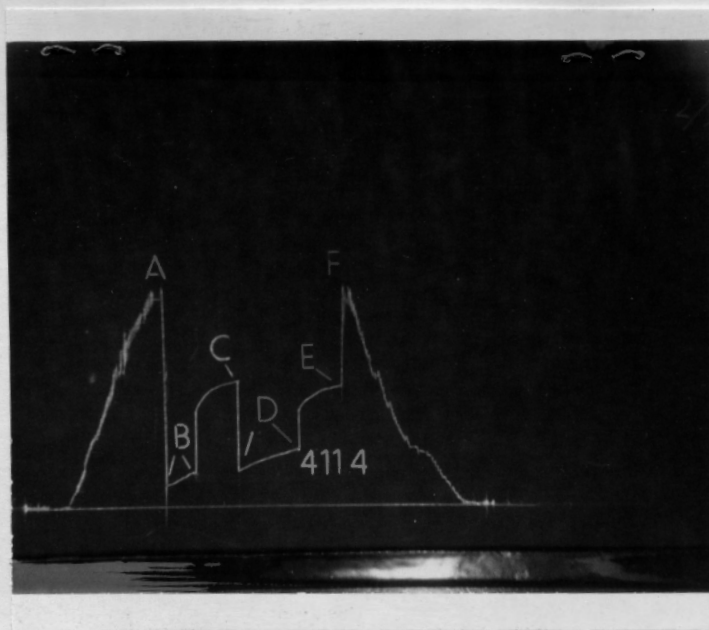
BOX 782

LIBERAL, KANSAS 67901

**FORMATION
TESTING
REPORT**

4849-4856

Evans		1-29		Horizon Oil & Gas Co.		Spearman, Texas	
Lease Name		Well No.		Lease Owner		Owners District	
LOCATION Sec 29-34S-30W		FIELD		COUNTY Meade		STATE Kansas	
5	15						



FORMATION
TESTING
REPORT

First Flow	30	Minutes	 BOMIN TESTING BOX 782 LIBERAL, KANSAS	Date	6-13-1969
First CIP	45	Minutes		Ticket No.	4114
Second Flow	60	Minutes		DISTRICT	Liberal, Kansas
Second CIP	45	Minutes		Kind of Job	Open Hole Test
Depth Top Gauge	4829	Ft.	Blanked Off	No	CONTRACTOR
Recorder No.	2896	12	Hr. Clock	HOLE & TOOL DATA	
Pressure Readings	Field	Office Corrected	Elevation	2642'	Top Packer Depth
Initial Hydro Mud Pressure	A-2401	2410	Total Depth	4856'	Bottom Packer Depth
First Flow	B-228-323	221-315	Casing or Hole Size	7 7/8"	Size & Type Wall Packer
First CIP	C-1435	1441	Liner or Rathole Size		Size Bottom Choke
Second Flow	D-393-642	402-640	Interval Tested	4849-4856'	Size Surface Choke
Second CIP	E-1351	1350	Formation Tested	Kansas City	ID & Length Drill Collars
Final Hydro Mud Pressure	F-2391	2388	Est. Gauge Depth Temp.	127	Size Drill Pipe
Depth Bottom Gauge	4856	Ft.	Blanked Off	Yes	Viscosity
Recorder No.	86	4	Hr. Clock	All depths measured from K.B.	No. Folders Reproduced
Pressure Readings	Field	Office Corrected	REMARKS: 30 min. pre-flow with good		
Initial Hydro Mud Pressure			blow, Open tool after ICIP with		
First Flow			good blow decreasing in 15 min. to		
First CIP			fair blow thru out test.		
Second Flow					
Second CIP					
Final Hydro Mud Pressure					
Recovered	60	Feet of	Oil & gas cut mud		
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			
Witnessed By	W.R. Atkinson				
Amount-Type of Cushion	Tester Frank Brown				

LOCATION Sec 29-34S-30W

FIELD

COUNTY Meade

STATE Kansas

Lease Name Evans

Well No. 1-29

Test No. 4

Lease Owner Horizon Oil & Gas Co.

Owners District Spearman, Texas

4849-4856'



BOMIN TESTING, INC.

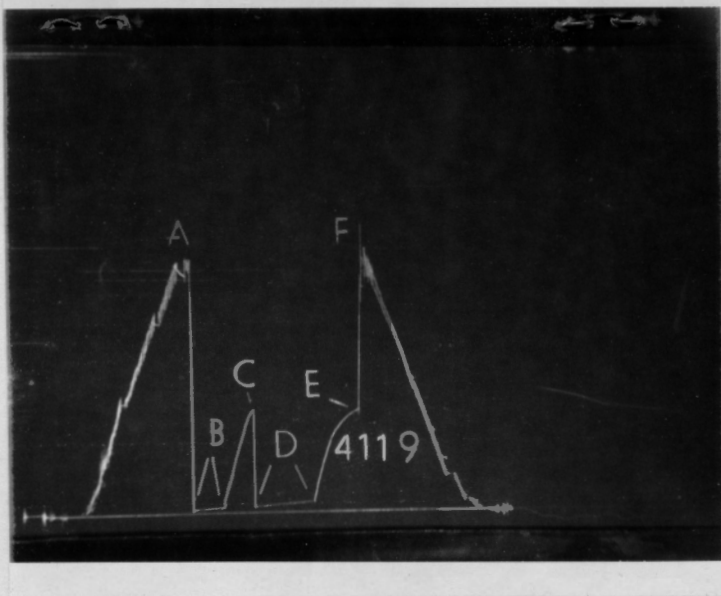
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LIBERAL, KANSAS 67901

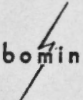
**FORMATION
TESTING
REPORT**

5603-5632'

Lease Name		1-29		Well No.		5		Test No.		Bruce Calder		Lease Owner		Spearman, Tex.	
LOCATION		Sec29-34s30w		FIELD		Adams Ranch West		COUNTY		Meade		STATE		Kansas	



FORMATION
TESTING
REPORT

First Flow	30	Minutes	 BOMIN TESTING BOX 782 LIBERAL, KANSAS	Date	6-20-1969
First CIP	30	Minutes		Ticket No.	4119
Second Flow	60	Minutes		DISTRICT	Liberal, Kansas
Second CIP	45	Minutes		Kind of Job	Open Hole Test
Depth Top Gauge	5690	Ft.	Blanked Off	No	CONTRACTOR Sage Drilling Co.
Recorder No.	2772	12	Hr. Clock		HOLE & TOOL DATA
Pressure Readings	Field	Office Corrected			Elevation 2642' Top Packer Depth 5687'
Initial Hydro Mud Pressure	A-2834	2829			Total Depth 5632' Bottom Packer Depth 5603'
First Flow	B-33-48	33-50			Casing or Hole Size 7 7/8" Size & Type Wall Packer 6 1/2" B.T.
First CIP	C-1191	1187			Liner or Rathole Size Size Bottom Choke 1/2"
Second Flow	D-66-119	60-120			Interval Tested 5603-5632' Size Surface Choke 1"
Second CIP	E-1191	1190			Formation Tested Cherokee ID & Length Drill Collars 4 1/2"x840'
Final Hydro Mud Pressure	F-2800	2808			Est. Gauge Depth Temp. 126 Size Drill Pipe 4 1/2"xH.
Depth Bottom Gauge	5631	Ft.	Blanked Off	Yes	MUD DATA Weight 9.5 Viscosity 43
Recorder No.	86	4	Hr. Clock		All depths measured from K.B. No. Folders Reproduced 14
Pressure Readings	Field	Office Corrected			REMARKS: 30 min. pre-flow with fair
Initial Hydro Mud Pressure					blow. Shut tool in for 30 min.
First Flow					Re-open tool with fair blow decreas
First CIP					ing throughout test to weak blow.
Second Flow					
Second CIP					
Final Hydro Mud Pressure					
Recovered	2500	Feet of			Gas filled pipe
Recovered	60	Feet of			Sl. oil & gas cut watery mud
Recovered	180	Feet of			Sl. oil & gas cut salt water
Recovered		Feet of			
Witnessed By	W.R. Atkinson				
Amount-Type of Cushion	Tester Tom Brown				

LOCATION Sec29-34s30w

FIELD Adams Ranch West

COUNTY Meade

STATE Kansas

Evans

Lease Name

1-29

Well No.

5

Test No.

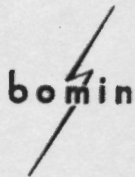
Bruce Calder

Lease Owner

Spearman, Tex.

Owners District

5603-5632'



BOMIN TESTING, INC.

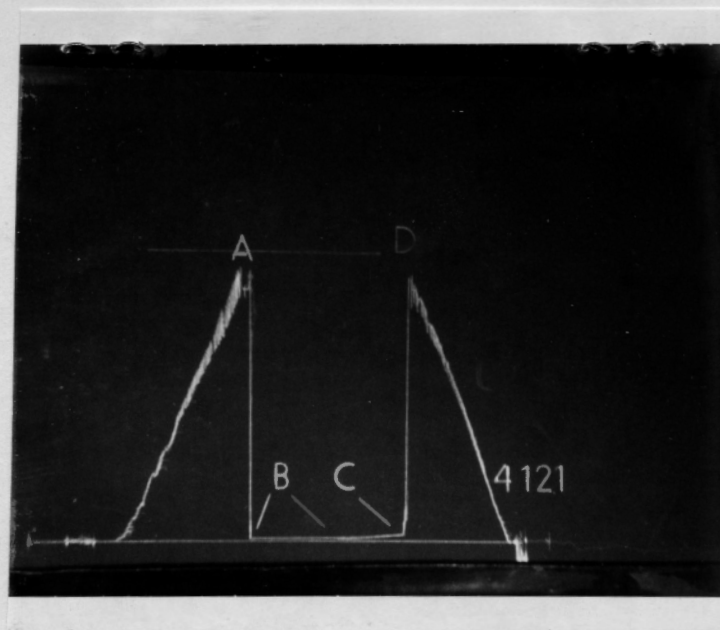
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LIBERAL, KANSAS 67901

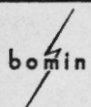
FORMATION TESTING REPORT

5799-5870'

Lease Name		Well No.		Test No.		Lease Owner		Owners District	
Evans		1-29		6		Bruce Calder		Spearman, Texas	
LOCATION Sec29-34s-30w		FIELD Adams Ranch West		COUNTY Meade		STATE Kansas			



FORMATION
TESTING
REPORT

First Flow	Minutes	 BOMIN TESTING BOX 782 LIBERAL, KANSAS	Date 6-22-1969	LOCATION Sec29-34s-30W
First CIP	Minutes		Ticket No. 4121	
Second Flow 90	Minutes		DISTRICT Liberal, Kansas	
Second CIP 45	Minutes		Kind of Job Open Hole Test	
Depth Top Gauge 5784 Ft.	Blanked Off No	CONTRACTOR Sage Drilling Co.		
Recorder No. 2772	12 Hr. Clock	HOLE & TOOL DATA		
Pressure Readings Field	Office Corrected	Elevation 2642'	Top Packer Depth 5789'	FIELD Adams Ranch West
Initial Hydro Mud Pressure A-2969	2960	Total Depth 5870'	Bottom Packer Depth 5799'	
First Flow		Casing or Hole Size 7 7/8"	Size & Type Wall Packer 6 1/2" B.T.	
First CIP		Liner or Rathole Size	Size Bottom Choke 1/2"	
Second Flow B-44-44	44-44	Interval Tested 5799-5870'	Size Surface Choke 1"	
Second CIP C-110	103	Formation Tested Morrow	ID & Length Drill Collars	
Final Hydro Mud Pressure D-2946	2953	Est. Gauge Depth Temp. 128	Size Drill Pipe 4 1/2" X 810'	
Depth Bottom Gauge 5869 Ft.	Blanked Off Yes	MUD DATA Weight 9.3	Viscosity 42	
Recorder No. 86	4 Hr. Clock	All depths measured from K.B.	No. Folders Reproduced 14	
Pressure Readings Field	Office Corrected	REMARKS: Open tool with weak blow		
Initial Hydro Mud Pressure		throughout test. Shut tool in for		
First Flow		60 min.		
First CIP				
Second Flow				
Second CIP				
Final Hydro Mud Pressure				
Recovered 510		Feet of	Gas in drill pipe	COUNTY Meade
Recovered 30		Feet of	Gas cut drilling mud	
Recovered		Feet of		
Recovered		Feet of		
Witnessed By W.R. Atkinson		STATE Kansas		
Amount-Type of Cushion		Tester Tom Brown		

Lease Name Evans

Well No. 1-29

Test No. 6

Lease Owner Bruce Calder

Owners District Spearman, Texas

5799-5870'



BOMIN TESTING, INC.

BOX 782

LIBERAL, KANSAS 67901

**FORMATION
TESTING
REPORT**

Evans
Lease Name

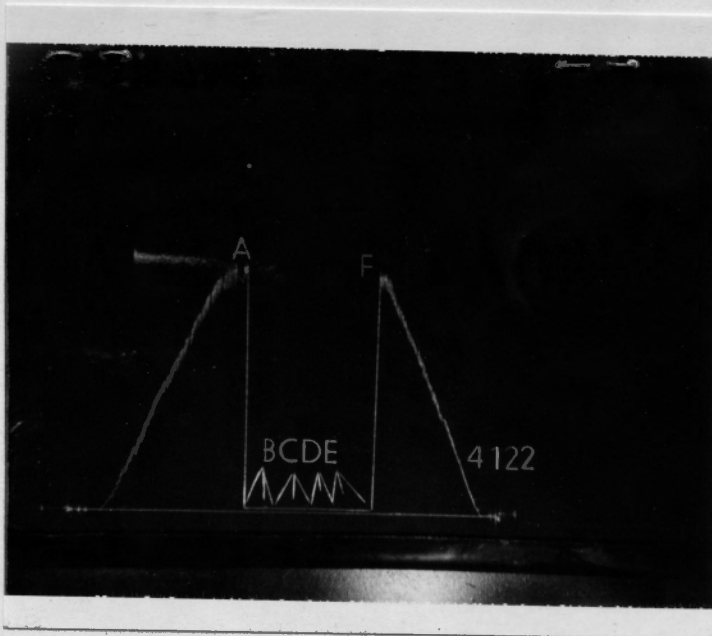
1-29
Well No.

7
Test No.

Bruce Calder
Lease Owner

Spearman, Texas
Owners District

6176-62091



EVANS

Lease Name

1-29

Well No.

6176-6209'

7

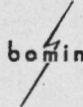
Test No.

Bruce Calder

Lease Owner

Spearmen, Texas

Owners District

First Flow	30	Minutes	 BOMIN TESTING BOX 782 LIBERAL, KANSAS	Date	6-25-1969	LOCATION Sec. 29-34s-30w
First CIP	45	Minutes		Ticket No.	4122	
Second Flow	15	Minutes		DISTRICT	Liberal, Kansas	
Second CIP	45	Minutes		Kind of Job	Open Hole Test	
Depth Top Gauge	6194	Ft.	Blanked Off	No	CONTRACTOR	Sage Drilling Co.
Recorder No.	2772		12	Hr. Clock	HOLE & TOOL DATA	
Pressure Readings	Field		Office Corrected		Elevation	2642'
Initial Hydro Mud Pressure	A-3080				Top Packer Depth	6171'
					Bottom Packer Depth	6176'
First Flow	B-33-33				Casing or Hole Size	7 7/8"
					Size & Type Wall Packer	6 1/2" B.T.
First CIP	C-33				Liner or Rathole Size	
					Size Bottom Choke	1/2"
Second Flow	D-33-33				Interval Tested	6176-6209'
					Size Surface Choke	1"
Second CIP	E-33				Formation Tested	Basal Chester
					ID & Length Drill Collars	Jts. 39 Flex.
Final Hydro Mud Pressure	F-3074				Est. Gauge Depth Temp.	134
					Size Drill Pipe	4 1/2" F.H.
Depth Bottom Gauge	6208	Ft.	Blanked Off	Yes	MUD DATA Weight	9.7
					Viscosity	39
Recorder No.	86		4	Hr. Clock	All depths measured from	K.B.
					No. Folders Reproduced	14
Pressure Readings	Field		Office Corrected		REMARKS: 30 min. pre-flow with weak	
Initial Hydro Mud Pressure					blow. Shut tool in for 45 min. Re-	
First Flow					open tool with few bubbles and died.	
First CIP					Shut tool in for 45 min.	
Second Flow						
Second CIP						
Final Hydro Mud Pressure						
Recovered 10 Feet of Drilling mud						
Recovered Feet of						
Recovered Feet of						
Recovered Feet of						
Witnessed By W.R. Atkinson						
Amount-Type of Cushion					Tester Tom Brown	