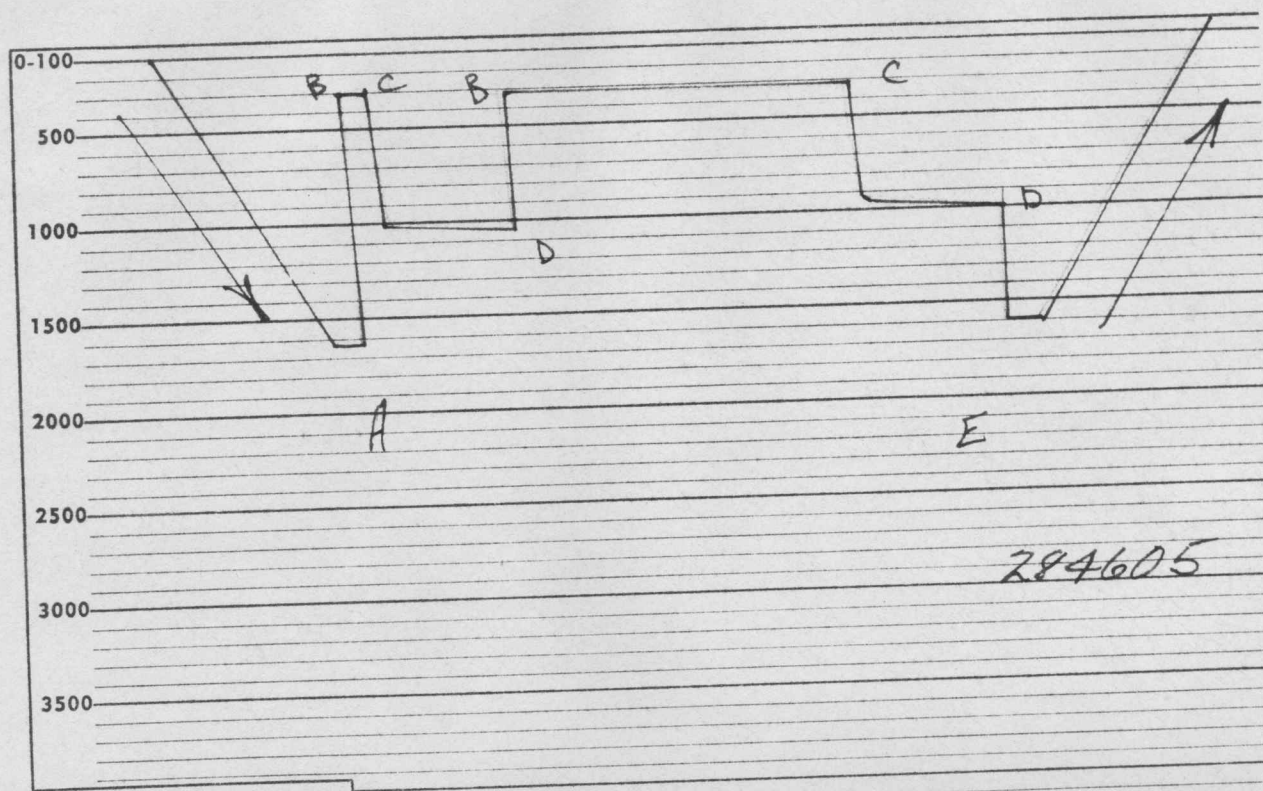
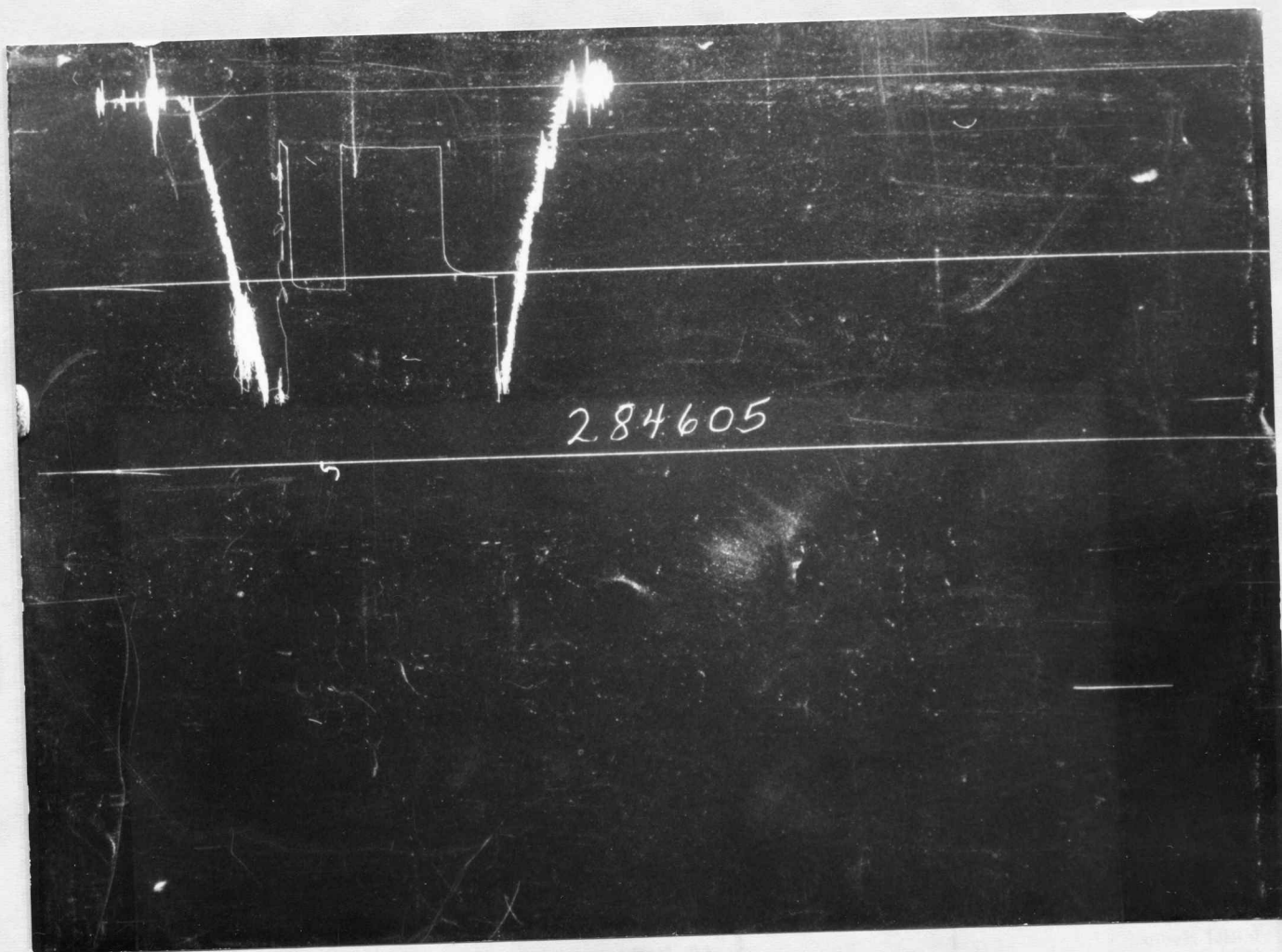


Initial Closed In Time 30 Minutes			Date 3-1-61		LOCATION 10-21-11 W
Tool Open Flow Period 1st 5 / 2nd 60 Minutes			Ticket No. 284605		
Final Closed In Time 30 Minutes			Halliburton District GREAT BEND		
Depth Top Gauge 3012' Ft.			Kind of Job OPEN HOLE		
BT. P.R.D. No 311		12 Hr. Clock		CONTRACTOR BARBOUR DRILLING COMPANY	
Pressure Readings Field		Office Corrected		HOLE & TOOL DATA	
Initial Hydro Mud Pressure 1590		1584		Elevation 1766' D.F. Top Packer Depth -	
Initial Closed in Pres. 1075		1060		Total Depth 3040' Bottom Packer Depth 3020	
Initial Flow Pres. 270		258-286		Casing or Hole Size 7 7/8" Size & Type Wall Packer 6 3/4" ESWP	
Final Flow Pres. 310		286-305		Liner or Rathole Size - Size Bottom Choke 5/8"	
Final Closed in Pres. 1025		1019		Casing Perforations Top Bottom Size Surface Choke 1"	
Final Hydro Mud Pressure 1590		1582		Interval Tested 3020' -40' ID & Length Air Chamber	
Depth Center Gauge Ft.		Blanked Off		Formation Tested DOUGLAS ID & Length Drill Collars 2 1/4" x 81.96	
BT. P.R.D. No		Hr. Clock		Est. Gauge Depth Temp. C-100 F° Size Drill Pipe 4 1/2 FH	
Pressure Readings Field		Office Corrected		MUD DATA 10 Viscosity 46	
Initial Hydro Mud Pressure				All depths measured from KELLY BUSHING No...Folders Reproduced 3	
Initial Closed in Pres.				REMARKS: Tool on bottom at 6:22 A.M.,	
Initial Flow Pres.				Tool opened at 6:25 with strong blow,	
Final Flow Pres.				gas to surface in 1 minute. Closed	
Final Closed in Pres.				tool at 6:28 for I.O.I.P. Opened	
Final Hydro Mud Pressure				tool at 6:58 with strong blow, 3,120	
Depth Bottom Gauge 3036' Ft.		Blanked Off YES		m.c.f. in 10 minutes, 3,320 m.c.f. in	
BT. P.R.D. No 1961		24 Hr. Clock		40 minutes. Closed tool at 7:58 ,	
Pressure Readings Field		Office Corrected		Came out of hole at 8:28 A.M.	
Initial Hydro Mud Pressure 1630				Recovered 24' Feet of Gas & Mud Cut Oil	
Initial Closed in Pres. 1030				Recovered Feet of	
Initial Flow Pres. 310				Recovered Feet of	
Final Flow Pres. 310				Recovered Feet of	
Final Closed in Pres. 1000				Recovered Feet of	
Final Hydro Mud Pressure 1600				Witnessed By GORDON WOODARD & HERMAN JOHNSON	
Amount-Type of Cushion NONE				Tester LARRY MOORE	

SIFERS
 LEASE NAME
 B-4
 WELL NO.
 3
 TEST NO.
 CITIS SERVICE PETROLEUM COMPANY
 LEASE OWNER
 OWNERS DISTRICT
 10-215-11W



A—Initial Mud Weight
B—Initial Flow
C—Final Flow
D—Closed In Pressure
E—Final Mud Weight

COMPANY

CITIES SERVICE PETROLEUM COMPANY

	Time	PSI	DATE 3-1-61 TICKET NO. 284605 LEASE SIFERS Well No. B-4 Test No. 3 BT No. 311 Depth 3012' 12 Hr. Clock Temp. Corr. C-100 ° F
Initial Hydro Mud Pressure		1584	
1st	Initial Flow	258	
	Final Flow	5 min. 268	
Initial Closed In Pressure	30 min.	1060	
2nd	Initial Flow	286	
	Final Flow	60 min. 305	
Final Closed In Pressure	30 min.	1019	
Final Hydro Mud Pressure		1582	

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI
PO	.000	258	.000	286	.000	286	.000	305
P1	.0058	247	.0218	1034	.0802	297	.0203	940
P2	.0116	262	.0436	1046	.1604	299	.0406	967
P3	.0174	273	.0654	1051	.2406	307	.0609	981
P4	.0232	278	.0872	1054	.3208	305	.0812	991
P5	.0290	286	.1090	1055	.4010	305	.1015	997
P6	.		.1308	1056	.		.1218	1003
P7	.		.1526	1058	.		.1421	1008
P8	.		.1744	1059	.		.1624	1012
P9	.		.1962	1060	.		.1827	1016
P10	.		.2180	1060	.		.2030	1019
	1 Minute Intervals		3 Minute Intervals		12 Minute Intervals		3 Minute Intervals	

Remarks:

0-100
500
1000
1500
2000
2500
3000
3500

A—Initial
B—Initial
C—Final I
D—Closed
E—Final A

HALLIBURTON

Initial Closed In Time 30 Minutes			Date 3-3-61	
Tool Open Flow Period 1st 5 / 2nd 60 Minutes			Ticket No. 284607	
Final Closed In Time 30 Minutes			Halliburton District Great Bend	
Depth Top Gauge 3202 Ft. Blanked Off No			Kind of Job Open Hole	
BT. P.R.D. No 311 12 Hr. Clock		CONTRACTOR Barbour Drilling Co.		
Pressure Readings Field Office Corrected		HOLE & TOOL DATA		
Initial Hydro Mud Pressure 1725 1734		Elevation 1766' DF Top Packer Depth -		
Initial Closed in Pres. 45 31		Total Depth 3221' Bottom Packer Depth 3209'		
Initial Flow Pres. 15 18-18		Casing or Hole Size 7 7/8" Size & Type Wall Packer 6 3/4" ESWP		
Final Flow Pres. 15 18-18		Liner or Rathole Size 7 7/8" Size Bottom Choke 5/8"		
Final Closed in Pres. 25 25		Casing Perforations Top Bottom Size Surface Choke 1"		
Final Hydro Mud Pressure 1725 1702		Interval Tested 3209-3221' ID & Length Air Chamber -		
Depth Center Gauge Ft. Blanked Off		Formation Tested Kansas City ID & Length Drill Collars -		
BT. P.R.D. No Hr. Clock		Est. Gauge Depth Temp. 102 F° Size Drill Pipe 1 1/2" FH		
Pressure Readings Field Office Corrected		MUD DATA Weight 10.1 Viscosity 46		
Initial Hydro Mud Pressure		All depths measured from Kelly Bushing No...Folders Reproduced 5		
Initial Closed in Pres.		REMARKS: On bottom at 8:18. Open at 8:21		
Initial Flow Pres.		AM with a weak blow. Closed at 8:26 AM for		
Final Flow Pres.		initial closed in pressure. Reopen at 8:56		
Final Closed in Pres.		AM with a very weak blow. Closed at 9:56 AM		
Final Hydro Mud Pressure		for final closed in pressure. Out of hole at		
Depth Bottom Gauge 3220 Ft. Blanked Off Yes		10:26 AM.		
BT. P.R.D. No 1961 24 Hr. Clock		No special reading adaptable.		
Pressure Readings Field Office Corrected				
Initial Hydro Mud Pressure				
Initial Closed in Pres.		Recovered 25 Feet of drlg mud		
Initial Flow Pres.		Recovered Feet of		
Final Flow Pres.		Recovered Feet of		
Final Closed in Pres.		Recovered Feet of		
Final Hydro Mud Pressure		Witnessed By Gordon Woodard - Herman Johnson		
Amount-Type of Cushion -		Tester Larry Moore		

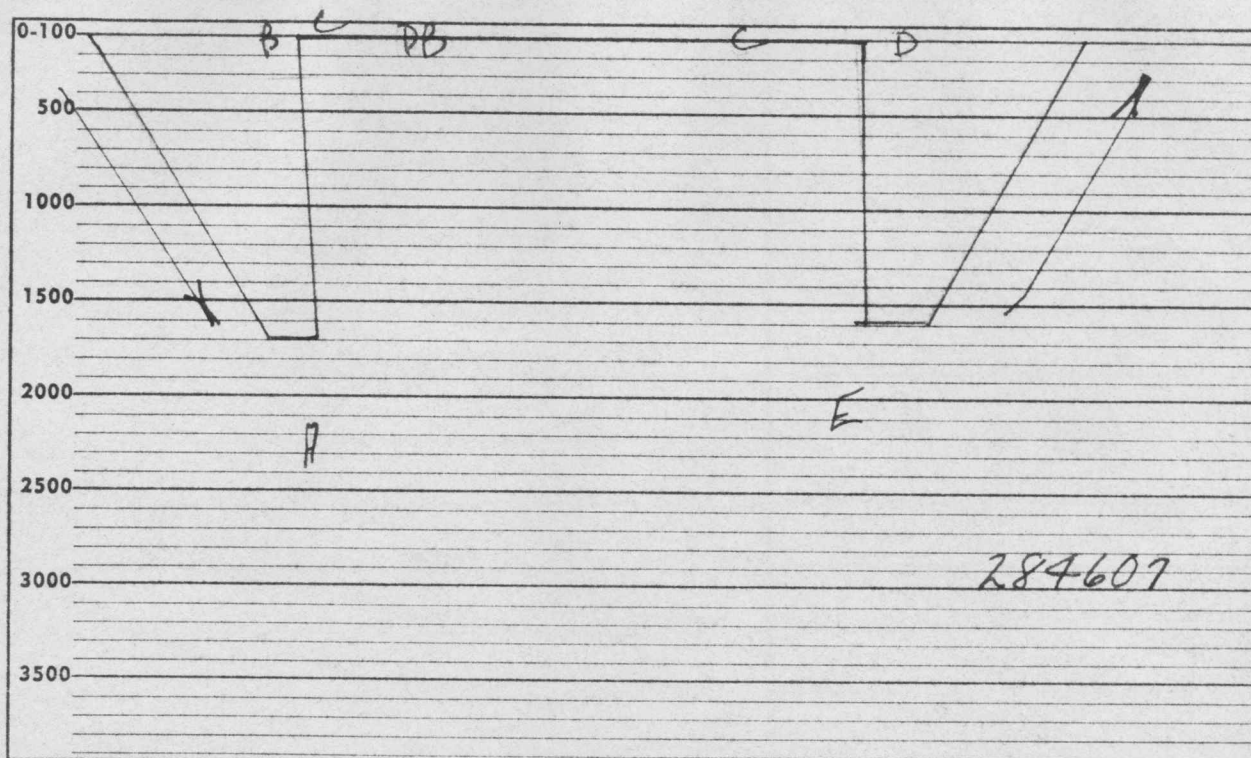
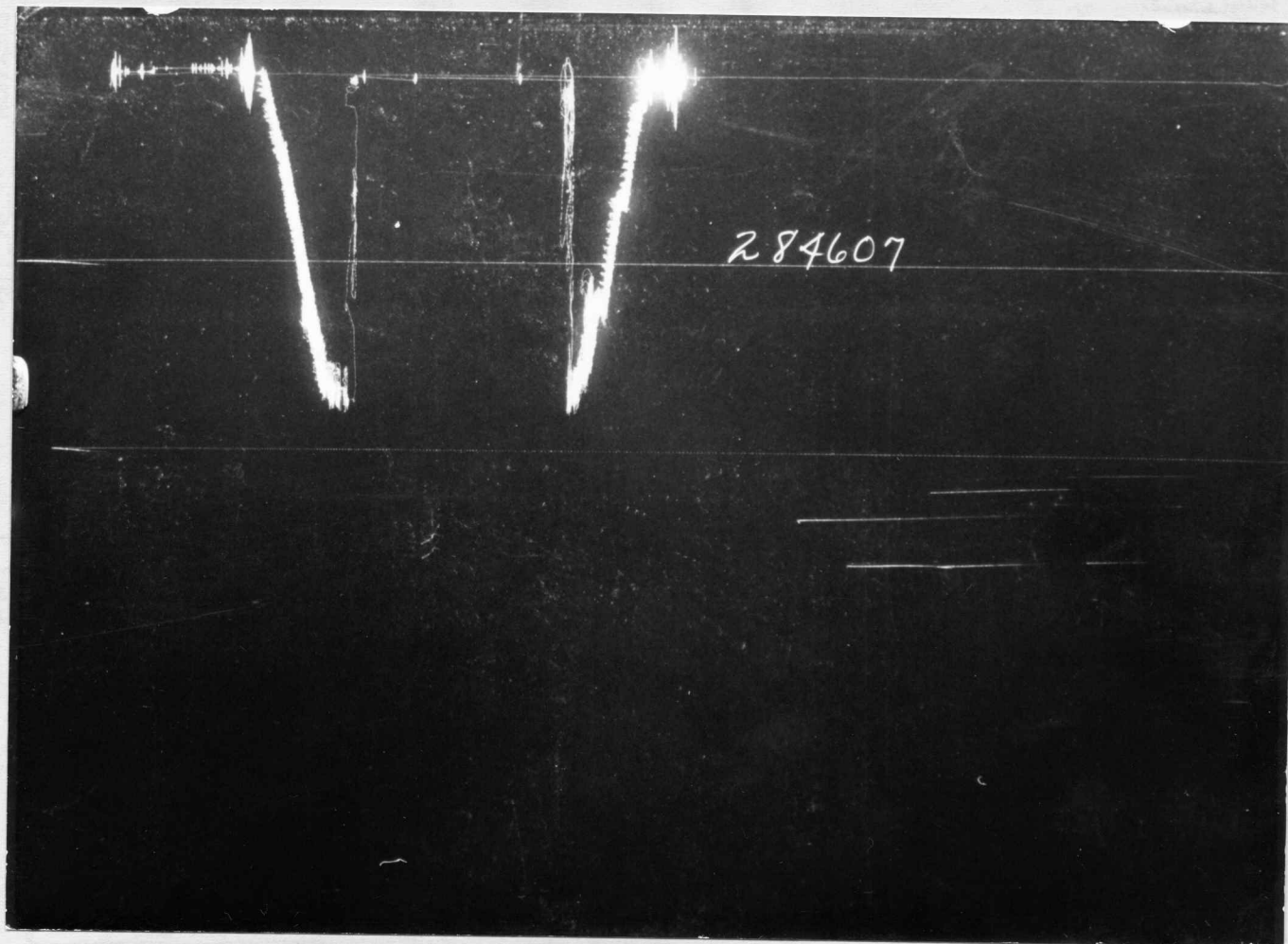
LOCATION 10-21-11W

FIELD

COUNTY STAFFORD

STATE KANSAS

SIFERS
LEASE NAMEB-4
WELL NO.
5
TEST NO.CITIES SERVICE PETROLEUM COMPANY
LEASE OWNERKANSAS
OWNERS DISTRICT



A—Initial Mud Weight
 B—Initial Flow
 C—Final Flow
 D—Closed In Pressure
 E—Final Mud Weight

Initial Closed In Time 30 Minutes			Date 3-4-61	
Tool Open 1st 5 / 2nd 60 Minutes			Ticket No. 284608	
Final Closed In Time 30 Minutes			Halliburton District Great Bend	
Depth Top Gauge 3323 Ft. Blanked Off No			Kind of Job Open Hole	
BT. P.R.D. No 311 12 Hr. Clock		CONTRACTOR Barbour Drilling Co.		
Pressure Readings Field Office Corrected		HOLE & TOOL DATA		
Initial Hydro Mud Pressure 1765 1739		Elevation 1766' DF	Top Packer Depth -	
Initial Closed in Pres. 25 21		Total Depth 3340'	Bottom Packer Depth 3328'	
Initial Flow Pres. 15 10-10		Casing or Hole Size 7 7/8"	Size & Type Wall Packer 6 3/4" ESWP	
Final Flow Pres. 15 10-10		Liner or Rathole Size 7 7/8"	Size Bottom Choke 5/8"	
Final Closed in Pres. 15 15		Casing Perforations Top Bottom	Size Surface Choke 1"	
Final Hydro Mud Pressure 1765 1739		Interval Tested 3328-3340'	ID & Length Air Chamber -	
Depth Center Gauge Ft. Blanked Off		Formation Tested Arbuckle	ID & Length Drill Collars -	
BT. P.R.D. No Hr. Clock		Est. Gauge Depth Temp. c-100 F	Size Drill Pipe 4 1/2" FH	
Pressure Readings Field Office Corrected		MUD DATA Weight 10.1	Viscosity 50	
Initial Hydro Mud Pressure		Ali depths measured from Kelly Bushing	No...Folders Reproduced 5	
Initial Closed in Pres.		REMARKS: On bottom at 9:03 PM. Open at		
Initial Flow Pres.		9:07 PM with a weak blow. Closed at 9:12 PM		
Final Flow Pres.		for initial closed in pressure. Reopen at		
Final Closed in Pres.		9:42 PM with a weak to no blow. Closed		
Final Hydro Mud Pressure		at 10:42 PM for final closed in pressure.		
Depth Bottom Gauge 3339 Ft. Blanked Off Yes		Out of hole at 11:12 PM.		
BT. P.R.D. No 1961 24 Hr. Clock		No special reading adaptable.		
Pressure Readings Field Office Corrected				
Initial Hydro Mud Pressure				
Initial Closed in Pres.		Recovered 20	Feet of drlg mud, slightly	
Initial Flow Pres.		Recovered	Feet of oil specked	
Final Flow Pres.		Recovered	Feet of	
Final Closed in Pres.		Recovered	Feet of	
Final Hydro Mud Pressure		Witnessed By Herman Johnson - Gordon Woodward		
Amount-Type of Cushion -		Tester Larry Moore		

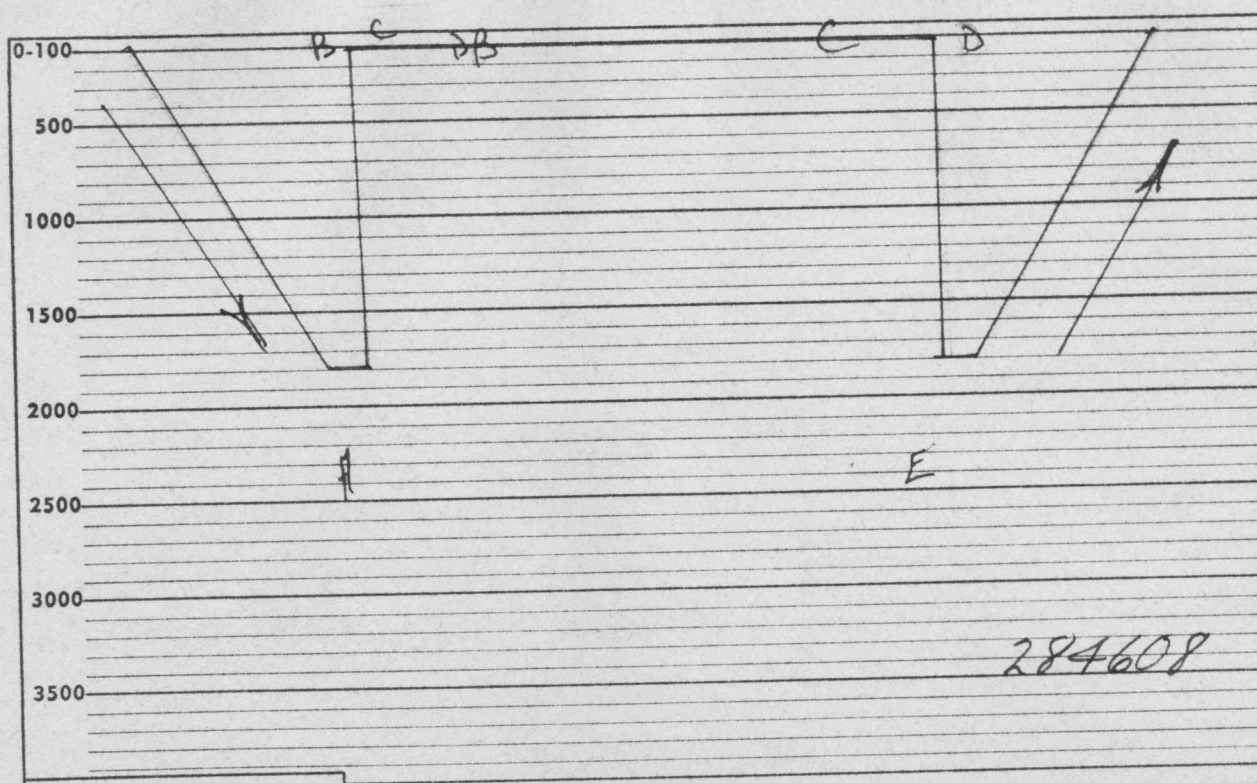
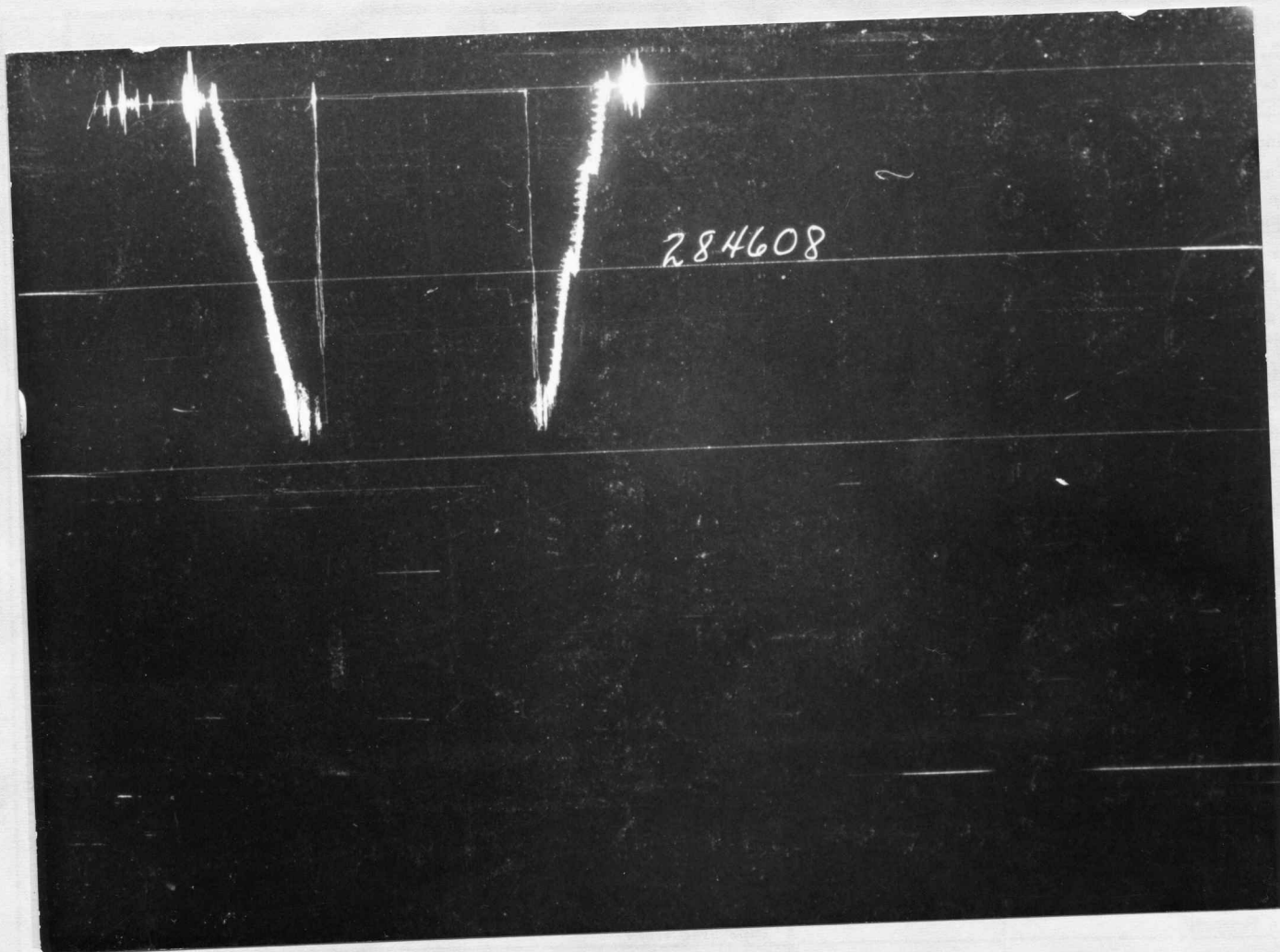
LOCATION 10-21-11W

FIELD

COUNTY STAFFORD

STATE KANSAS

STEFERS
LEASE NAMEB 4
WELL NO.6
TEST NO.CITIES SERVICE PETROLEUM CO.
LEASE OWNERKANSAS
OWNERS DISTRICT



A—Initial Mud Weight
B—Initial Flow
C—Final Flow
D—Closed In Pressure
E—Final Mud Weight

Initial Closed In Time 30 Minutes			Date 3-5-61		LOCATION SEC. 10-21-11 W FIELD COUNTY STAFFORD STATE KANSAS
Tool Open 1st Flow Period 3 Minutes			Ticket No. 284609		
2nd 60 Minutes			Halliburton District Great Bend		
Final Closed In Time 30 Minutes			Kind of Job Open Hole		
Depth Top Gauge 3332 Ft.	Blanked Off no	CONTRACTOR Barbour Drilling Co.			
BT. P.R.D. No 311	12 Hr. Clock	HOLE & TOOL DATA			
Pressure Readings Field	Office Corrected	Elevation 1766' DF	Top Packer Depth -		
Initial Hydro Mud Pressure 1765	1762	Total Depth 3344'	Bottom Packer Depth 3337'		
Initial Closed in Pres. 190	177	Casing or Hole Size 7 7/8"	Size & Type Wall Packer 6 3/4" ESWP		
Initial Flow Pres. 15	9-9	Liner or Rathole Size 7 7/8"	Size Bottom Choke 5/8"		
Final Flow Pres. 15	5-8	Casing Perforations	Top Bottom	Size Surface Choke 1"	
Final Closed in Pres. 15	9	Interval Tested 3337'-3344'	ID & Length Air Chamber DCIP		
Final Hydro Mud Pressure 1765	1762	Formation Tested Arbuckle	ID & Length Drill Collars -		
Depth Center Gauge Ft.	Blanked Off	Est. Gauge Depth Temp. Calc. 100 F.	Size Drill Pipe 4 1/2" FH		
BT. P.R.D. No	Hr. Clock	MUD DATA Weight 10.1	Viscosity 50		
Pressure Readings Field	Office Corrected	All depths measured from Kelly Bashing		No...Folders Reproduced 5	
Initial Hydro Mud Pressure		REMARKS: Tool on bottom at 7:51. Opened tool			
Initial Closed in Pres.		at 7:54 AM for 3 minute first flow with weak			
Initial Flow Pres.		blow. Closed tool at 7:57 for 30 minute			
Final Flow Pres.		initial closed in pressure. Reopened tool			
Final Closed in Pres.		for 60 minute test at 8:27 with weak blow			
Final Hydro Mud Pressure		to no blow. Closed in tool for 30 minute			
Depth Bottom Gauge Ft.	Blanked Off	final closed in pressure at 9:27 AM. Came			
BT. P.R.D. No	Hr. Clock	out of hole at 9:57 AM			
Pressure Readings Field	Office Corrected	NO P.R.D. WAS RUN.			
Initial Hydro Mud Pressure		Recovered 30	Feet of drilling mud with few specks of oil		
Initial Closed in Pres.		Recovered	Feet of		
Initial Flow Pres.		Recovered	Feet of		
Final Flow Pres.		Recovered	Feet of		
Final Closed in Pres.		Recovered	Feet of		
Final Hydro Mud Pressure		Witnessed By Gordon Woodard - Herman Johnson			
Amount-Type of Cushion none		Tester Larry Moore			

 STEERS
LEASE NAME

 B-4
WELL NO.

 7
TEST NO.

 CITIES SERVICE PETROLEUM CO.
LEASE OWNER

 KANSAS
OWNERS DISTRICT

284609

COMPANY

CITIES SERVICE PETROLEUM COMPANY

		Time	PSI		
Initial Hydro Mud Pressure			1762	DATE 3-5-61	
1st	Initial Flow		9	TICKET NO. 284609	
	Final Flow	3 min	5	LEASE SIFERS	
Initial Closed In Pressure		30 min.	177		
2nd	Initial Flow		9	Well No. B-4 Test No. 7	
	Final Flow	60 min.	8	BT No. 311 Depth 3322'	
Final Closed In Pressure		30 min.	9	12 Hr. Clock -	
Final Hydro Mud Pressure			1762	Temp. Corr. Calc. 100 ° F	

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI
PO	.000	9	.000	5	.000	9	.000	8
P1	.017	5	.0203	68	.419	8	.203	9
P2	.		.0406	95	.		.	
P3	.		.0609	115	.		.	
P4	.		.0812	126	.		.	
P5	.		.1015	132	.		.	
P6	.		.1218	143	.		.	
P7	.		.1421	151	.		.	
P8	.		.1624	161	.		.	
P9	.		.1827	168	.		.	
P10	.		.203	177	.		.	
	Minute Intervals		3	Minute Intervals	Minute Intervals		Minute Intervals	

Remarks: