

FLUID SAMPLE DATA			Date	6-12-77	Ticket Number	176158
Sampler Pressure	P.S.I.G. at Surface		Kind of Job	OPEN HOLE TEST	Halliburton District	HAYS
Recovery: Cu. Ft. Gas	_____		Tester	J. BECKER	Witness	M. MORTENSEN
cc. Oil	_____		Drilling Contractor	RAINS & WILLIAMS	PW	
cc. Water	_____		EQUIPMENT & HOLE DATA			
cc. Mud	_____		Formation Tested	Kansas City "A"- "B"- "C"- "D"		
Tot. Liquid cc.	_____		Elevation	2995'	K.B.	Ft.
Gravity _____ ° API @ _____ ° F.			Net Productive Interval	15'	Ft.	
Gas/Oil Ratio _____ cu. ft./bbl.			All Depths Measured From	Kelly Bushing		
	RESISTIVITY	CHLORIDE CONTENT	Total Depth	4135'	Ft.	
Recovery Water	1.07 @ 75 °F.	_____ ppm	Main Hole/Casing Size	7 7/8"		
Recovery Mud	@ _____ °F.	_____ ppm	Drill Collar Length	93'	I.D.	2.25"
Recovery Mud Filtrate	@ _____ °F.	_____ ppm	Drill Pipe Length	121' WP-3864'	I.D.	2.764" WP-3.826"
Mud Pit Sample	@ _____ °F.	_____ ppm	Packer Depth(s)	4073' - 4077' Ft.		
Mud Pit Sample Filtrate	@ _____ °F.	_____ ppm	Depth Tester Valve	4060' Ft.		
Mud Weight	9.3 vis	51 sec				

Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
				.25"	.75"

Recovered	2200 Feet of saltwater being slightly muddy on top.	Field Area Meo. From Tester Valve WILDCAT
Recovered	Feet of	
Recovered	Feet of	
Recovered	Feet of	
Recovered	Feet of	
Recovered	Feet of	
Remarks	SEE PRODUCTION TEST DATA SHEET.....	

TEMPERATURE	Gauge No. 7319		Gauge No. 7318		Gauge No.		TIME	
	Depth:	4080 Ft.	Depth:	4132 Ft.	Depth:	Ft.	Hour Clock	
Est. °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool	A.M.
4130' @	Blanked Off NO		Blanked Off YES		Blanked Off		Opened	2122 P.M.
Actual 113 °F.	Pressures		Pressures		Pressures		Opened	A.M.
	Field	Office	Field	Office	Field	Office	Bypass	0057 P.M.
Initial Hydrostatic		2021	2036	2045 ✓			Reported	Computed
First Period	Flow Initial	117	115	141			Minutes	Minutes
	Flow Final	167	220	195 ✓			5	3
	Closed in	1342	1355	1365 ✓			60	56
Second Period	Flow Initial	229	220	254			60	67
	Flow Final	941	948	965 ✓			90	89
	Closed in	1315	1324	1339 ✓				
Third Period	Flow Initial							
	Flow Final							
	Closed in							
Final Hydrostatic		2021	2025	2045 ✓				

Legal Location Sec. - Twp. - Rng. C-NE-NE
 Lease Name
 Zones
 35-7S-31W
 Well No.
 Test No.
 Field Area
 Meo. From Tester Valve
 WILDCAT
 County
 THOMAS
 State
 KANSAS
 Lease Owner/Company Name
 GULF OIL CORPORATION
 4133
 Tested Interval

Gauge No. 7319			Depth 4080'			Clock No. 3926			12 hour		Ticket No. 176158				
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	117	.000		167	.000	229	.000		941					
1	.0080	120	.0263		1234	.1316*	526	.0337**		1207					
2	.0160	142	.0526		1282	.1797	613	.0740		1240					
3	.0240	167	.0789		1302	.2463	720	.1144		1259					
4			.1052		1315	.3129	804	.1548		1271					
5			.1315		1322	.3794	877	.1952		1279					
6			.1577		1328	.4460	941	.2356		1287					
7			.1840		1332			.2759		1293					
8			.2103		1334			.3163		1297					
9			.2366		1337			.3567		1301					
10			.2629		1338			.3971		1304					
11			.2892		1339			.4375		1308					
12			.3155		1340			.4778		1310					
13			.3418		1341			.5182		1312					
14			.3680		1342			.5586		1314					
15								.5990		1315					

Gauge No. 7318			Depth 4132'			Clock No. 2800			12 hour	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	141	.000		195	.000	254	.000		965
1	.0077	143	.0264		1257	.1122*	519	.0334**		1230
2	.0153	169	.0527		1303	.1781	644	.0734		1263
3	.0230	195	.0791		1325	.2441	745	.1135		1282
4			.1054		1338	.3101	830	.1535		1294
5			.1318		1347	.3760	901	.1936		1304
6			.1582		1351	.4420	965	.2336		1311
7			.1845		1355			.2737		1317
8			.2109		1358			.3137		1321
9			.2372		1360			.3538		1325
10			.2636		1362			.3938		1328
11			.2900		1363			.4339		1331
12			.3163		1363			.4739		1334
13			.3427		1364			.5140		1336
14			.3690		1365			.5540		1338
15								.5940		1339

Reading Interval 1 4 10 6 Minutes

REMARKS: * = 17 minute interval. ** = 5 minute interval.

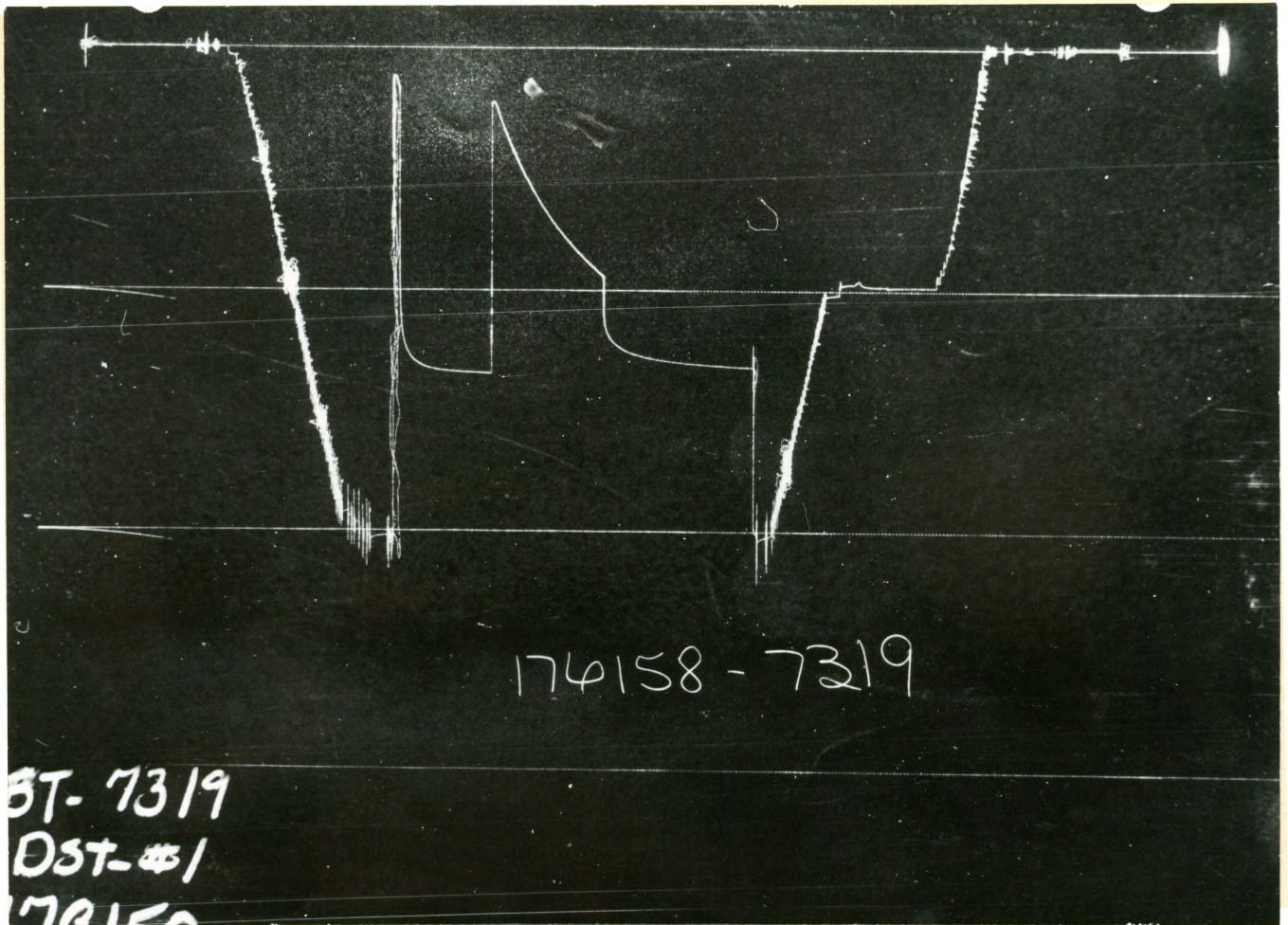


	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	1'	
Reversing Sub				
Water-Cushion Valve	4.5"	2.764"	121'	
Weight Pipe	4.5"	3.826"	3864'	
Drill Pipe	6.0"	2.25"	93'	
Drill Collars				
Handling Sub & Choke Assembly	5"	.87"	6'	4050'
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	5'	4060'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.0"	2.8'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4073'
Distributor				
Packer Assembly	6.75"	1.53"	4'	4077'
Flush Joint Anchor	5"	3.06"	4'	4080'
AP Running Case				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side-Wall Anchor	XO Sub	5.75"	1'	
Drill Collars	XO Sub	6"	2.25"	31'
		5.75"	2'	
Flush Joint Anchor		5"	3.75"	13'
	HT-500	5"	3.75"	1.5'
Blanked-Off B.T. Running Case		5"	2.44"	4'
Total Depth				4135'

TEMPERATURE
RECORDER
CHART



10° each circle



174158 - 7319

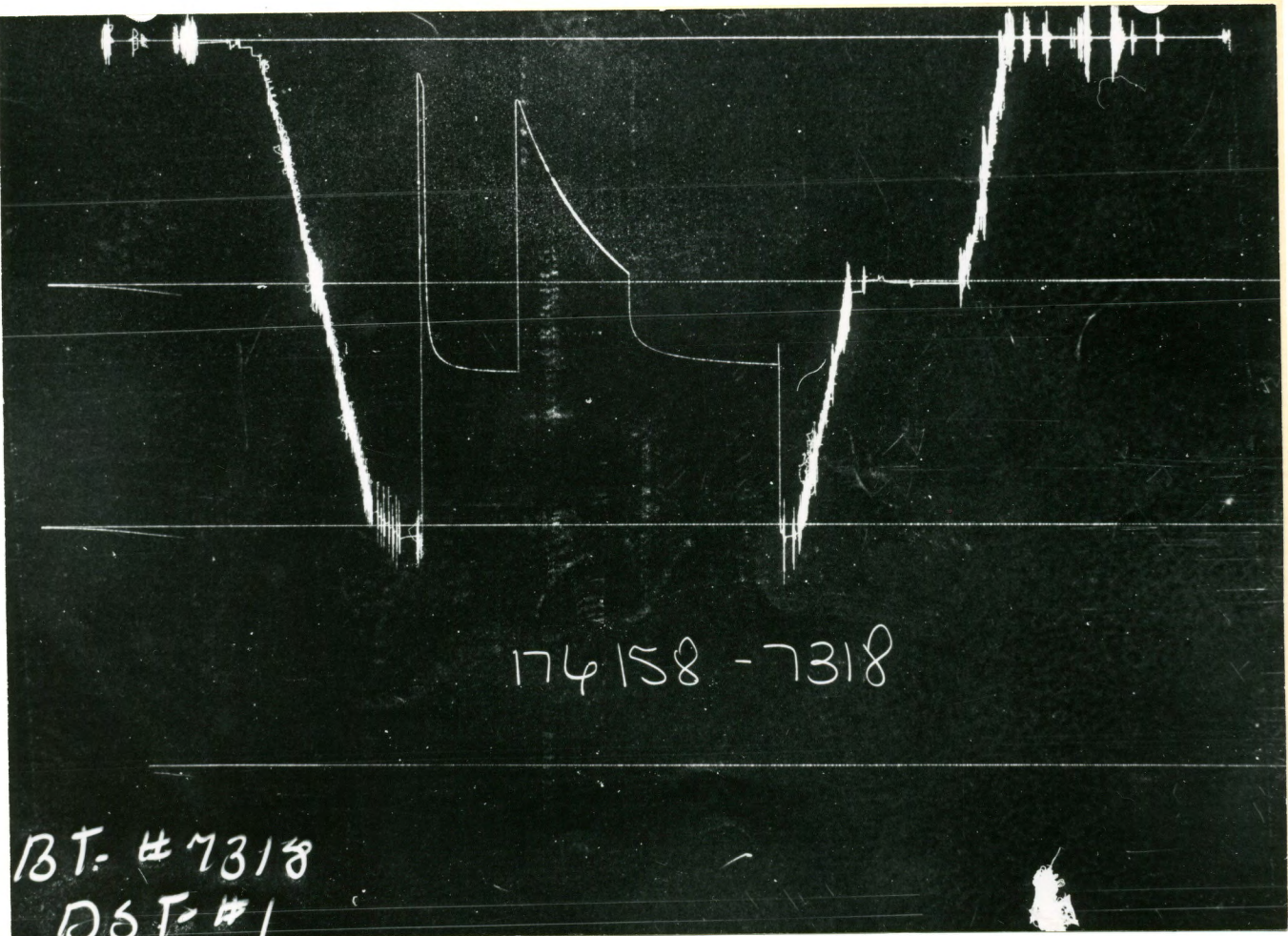
BT-7319

DST-#1

70150

PRESSURE

TIME



174158 - 7318

BT-#7318

DST-#1

PRESSURE

TIME

FLUID SAMPLE DATA			Date 6-14-77	Ticket Number 176159
Sampler Pressure _____ P.S.I.G. at Surface	Kind of Job OPEN HOLE TEST	Halliburton District HAYS		
Recovery: Cu. Ft. Gas _____	Tester J. BECKER	Witness M. MONRSON		
cc. Oil _____	Drilling Contractor RAINS & WILLIAMS TH S			
cc. Water _____	EQUIPMENT & HOLE DATA			
cc. Mud _____	Formation Tested Kansas City E-F-G-H-I			
Tot. Liquid cc. _____	Elevation 2995' KB		Ft.	
Gravity _____ ° API @ _____ ° F.	Net Productive Interval _____		Ft.	
Gas/Oil Ratio _____ cu. ft./bbl.	All Depths Measured From Kelly Bushing			
RESISTIVITY _____	Total Depth 4255'		Ft.	
CHLORIDE CONTENT _____	Main Hole/Casing Size 7 7/8"			
Recovery Water _____ @ _____ ° F. _____ ppm	Drill Collar Length 63' I.D. 2.25"			
Recovery Mud _____ @ _____ ° F. _____ ppm	Drill Pipe Length 121' WP-3934' I.D. 2.764" WP-3.826"			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm	Packer Depth(s) 4141' - 4145'		Ft.	
Mud Pit Sample _____ @ _____ ° F. _____ ppm	Depth Tester Valve 4128'		Ft.	
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				
Mud Weight 9.3 vis 39 sec				

Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
			Ft.	.25"	.75"

Recovered	300	Feet of	slightly oil and heavy gas cut mud.		
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			
Remarks	See Production Test Data Sheet . . .				

County						THOMAS
State						KANSAS

TEMPERATURE	Gauge No. 7319		Gauge No. 7318		Gauge No.		TIME	
	Depth:	Ft.	Depth:	Ft.	Depth:	Ft.		
Est. °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool	A.M.
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened	2240 P.M.
4250							Opened	A.M.
Actual 112 °F.	Pressures		Pressures		Pressures		Bypass	0215 P.M.
	Field	Office	Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic	2088	2052		2103 ✓			Minutes	Minutes
First Period	Flow Initial	31	31	75				
	Flow Final	41	46	98 ✓			5	6
	Closed in	1364	1369	1416 ✓			60	60
Second Period	Flow Initial	62	67	116				
	Flow Final	156	148	201 ✓			60	60
	Closed in	1343	1335	1373 ✓			90	89
Third Period	Flow Initial							
	Flow Final							
	Closed in							
Final Hydrostatic	2077	2055		2104 ✓				

Legal Location Sec. - Twp. - Rng. **35 - 7S - 31W**

Lease Name **RALL**

Well No. **1**

Test No. **2**

Field Area **WILDCAT**

Tested Interval **4145' - 4255'**

County **THOMAS**

State **KANSAS**

Lease Owner/Company Name **GULF OIL COMPANY**

Gauge No. 7319			Depth 4148				Clock No. 3926			12 hour		Ticket No. 176159			
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	21	.0000		46	.0000	67	.0000		148					
1	.0063	22	.0266		1229	.0683	72	.0337*		1095					
2	.0127	26	.0532		1305	.1367	91	.0741		1188					
3	.0190	32	.0798		1332	.2050	107	.1146		1229					
4	.0253	37	.1064		1344	.2733	123	.1550		1252					
5	.0317	43	.1330		1351	.3417	135	.1955		1272					
6	.0380	46	.1596		1356	.4100	148	.2359		1287					
7			.1862		1360			.2763		1298					
8			.2128		1362			.3168		1308					
9			.2394		1364			.3572		1314					
10			.2660		1365			.3977		1319					
11			.2926		1367			.4381		1323					
12			.3192		1367			.4785		1327					
13			.3458		1368			.5199		1331					
14			.3724		1368			.5594		1333					
15			.3990		1369			.6000		1335					

Gauge No. 7318			Depth 4251				Clock No. 2800			12 hour		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000	75	.0000		98	.0000	116	.0000		201		
1	.0063	76	.0267		1260	.0670	131	.0337*		1134		
2	.0127	79	.0535		1350	.1340	159	.0740		1227		
3	.0190	86	.0802		1379	.2010	181	.1144		1266		
4	.0253	90	.1069		1392	.2680	194	.1548		1290		
5	.0317	95	.1337		1399	.3350	188	.1952		1308		
6	.0380	98	.1604		1405	.4020	201	.2356		1321		
7			.1871		1408			.2759		1334		
8			.2138		1410			.3163		1343		
9			.2406		1411			.3567		1351		
10			.2673		1413			.3971		1358		
11			.2940		1413			.4375		1362		
12			.3208		1414			.4778		1366		
13			.3475		1415			.5182		1370		
14			.3742		1416			.5586		1371		
15			.4010		1416			.5990		1373		

Reading Interval	1	4	10	6	Minutes
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REMARKS: * - first interval is equal to 5 minutes.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	6.75"	2.75"	12"	
XXXXXXXXXXXX Weight. Pipe	4 1/2"	2.764"	121'	
Drill Pipe	4 1/2"	3.826"	3934'	
Drill Collars		2.25"	63'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	4118'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4128'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	2.8'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4141'
Distributor				
Packer Assembly	6.75"	1.53"	4'	4145'
XXXXXXXXXXXX Ap. Running Case	5"	3.06"	4'	4148'
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
XXXXXXXXXXXX X OVER SUB	5.75"		1'	
Drill Collars	6"	2.25"	64'	
X OVER SUB	5.75"		2'	
Flush Joint Anchor	5"	3.84"	32'	
HT-500	5"	3.75"	1.5'	4250'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4251'
Total Depth				4255'

U.S.T. Report Distribution



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73533

FORM 1509R3

Gulf Oil Co.

Company Name - - Lease Owner

Requested Distribution of Completed D.S.T. Report Folder
for Ticket No. 176159

(This Order Must Be Filled Out and Signed By Company Representative)

Company Gulf Oil Co.
Orig. Chart

5
& Reports

ATT. _____
P.O. BOX _____
STREET & NO. 5509 N. Pennsylvania Ave
BUILDING _____
CITY Oklahoma City, Okla
STATE _____
ZIP CODE NUMBER 73112

Company _____



Reports

ATT. _____
P.O. BOX _____
STREET & NO. _____
BUILDING _____
CITY _____
STATE _____
ZIP CODE NUMBER _____

Company _____



Reports

ATT. _____
P.O. BOX _____
STREET & NO. _____
BUILDING _____
CITY _____
STATE _____
ZIP CODE NUMBER _____

Company _____



Reports

ATT. _____
P.O. BOX _____
STREET & NO. _____
BUILDING _____
CITY _____
STATE _____
ZIP CODE NUMBER _____

Company _____



Reports

ATT. _____
P.O. BOX _____
STREET & NO. _____
BUILDING _____
CITY _____
STATE _____
ZIP CODE NUMBER _____

Owner - Operator - or His Agent

SIGNED J. E. Beeson, Agent

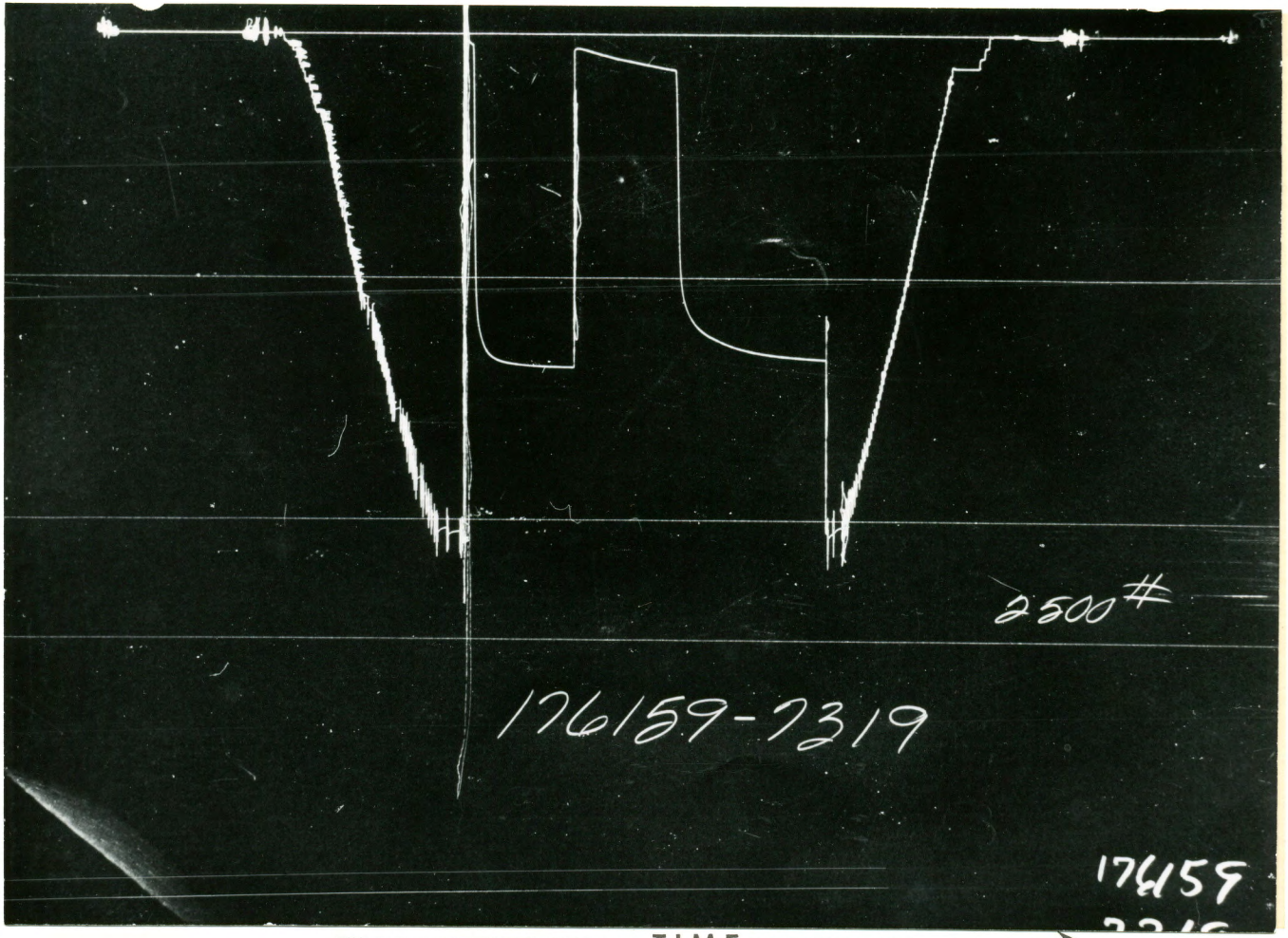
Send 1st, 2nd and 3rd Copy with Charts

(Use Additional Sheets When Necessary)

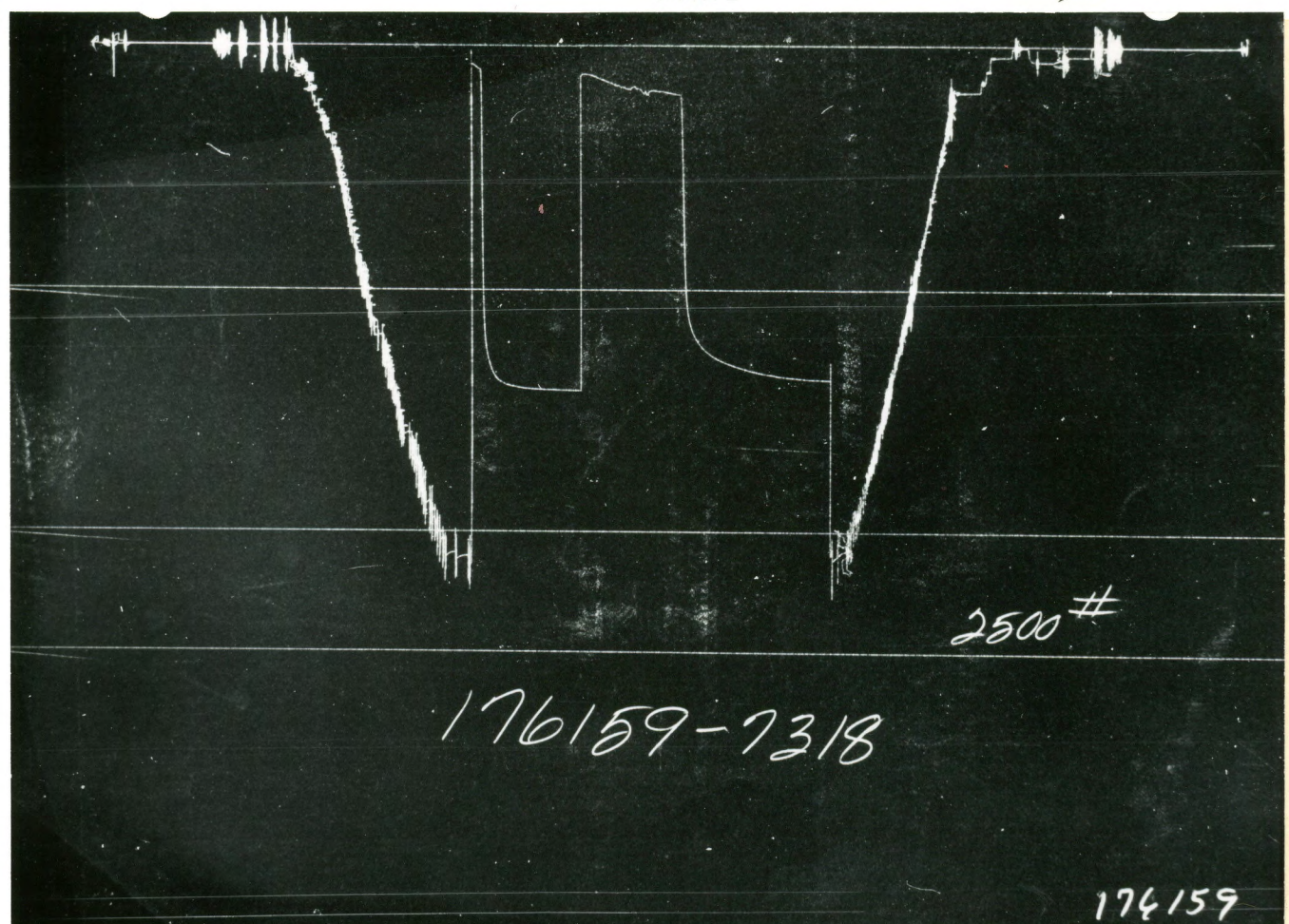
TEMPERATURE
RECORDER
CHART



10° each circle



176159
7319



176159
7318

Gauge No. 7319			Depth 4252'			Clock No. 3926			12 hour		Ticket No. 176149					
First Flow Period			First Closed In Pressure			Second Flow Period			Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	
0	.000	30	.000		36	.000	70	.000		105						
1	.0074	27	.0264		1106	.0678	63	.0401		231						
2	.0148	28	.0528		1220	.1357	71	.0802		777						
3	.0222	30	.0792		1266	.2035	80	.1203		1045						
4	.0296	33	.1056		1294	.2713	87	.1604		1118						
5	.0370	36	.1320		1312	.3392	97	.2005		1160						
6			.1584		1324	.4070	105	.2406		1187						
7			.1848		1334			.2807		1207						
8			.2112		1339			.3208		1221						
9			.2376		1344			.3609		1233						
10			.2640		1348			.4010		1244						
11			.2904		1351			.4411		1252						
12			.3168		1355			.4812		1260						
13			.3432		1357			.5213		1267						
14			.3696		1359			.5614		1273						
15			.3960		1361			.6010		1278						
Gauge No. 7318			Depth 4311'			Clock No. 2800			hour 12							
0	.000	63	.000		70	.000	93	.000		136						
1	.007	56	.0266		1081	.0668	96	.0398		287						
2	.014	61	.0532		1243	.1337	105	.0796		828						
3	.021	64	.0798		1294	.2005	113	.1194		1085						
4	.028	67	.1064		1325	.2673	120	.1592		1153						
5	.035	70	.1330		1341	.3342	129	.1990		1193						
6			.1596		1355	.4010	136	.2388		1217						
7			.1862		1363			.2786		1236						
8			.2128		1371			.3184		1252						
9			.2394		1377			.3582		1262						
10			.2660		1381			.3980		1272						
11			.2926		1384			.4378		1282						
12			.3192		1387			.4776		1290						
13			.3458		1389			.5174		1295						
14			.3724		1391			.5572		1302						
15			.3990		1394			.5970		1306						
Reading Interval 1			4			10			6			Minutes				
REMARKS:																



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.25"	12.00"	4098'
Reversing Sub				
Water Cushion Valve DRILL PIPE	4 1/2"	3.826"	4098'	
Drill Pipe WEIGHT PIPE	4.50"	2.764"	30.22'	WEIGHT PIPE
Drill Collars	6.00"	2.25"	92.95'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5.00"	.87"	65.00"	4229'
Dual CIP Sampler				
Hydro-Spring Tester	5.00"	.75"	60.00"	4234'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar	5.00"	1.75"	60.00"	
VR Safety Joint	5.00"	1.00"	33.00" +	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	65.00"	4246'
Distributor				
Packer Assembly	6.75"	1.53"	54.00"	4250'
Flush Joint Anchor				
Pressure Equalizing Tube				
* Blanked-Off B.T. Running Case	5.00"	3.06"	48.00" +	4252'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6.00"	2.25"	31.50'	
Flush Joint Anchor	5.00"	3.84"	24.44'	
Blanked-Off B.T. Running Case	5.00"	2.44"	48.06"	4311'
Total Depth				4315'

D.S.T. Report Distribution



A Division of Halliburton Company

FORM 1509R3

DUNCAN, OKLAHOMA 73533

GULF OIL CO

Company Name - - Lease Owner

Requested Distribution of Completed D.S.T. Report Folder
for Ticket No. 176149

(This Order Must Be Filled Out and Signed By Company Representative)

Company Gulf Oil Co
Orig. Chart

5

& Reports

ATT. _____

P.O. BOX
STREET & NO. 5509 N. PENNSYLVANIA
BUILDING
CITY OKLA. CITY, OKLA.
STATE
ZIP CODE NUMBER 73112

Company _____



Reports

ATT. _____

P.O. BOX
STREET & NO.
BUILDING

CITY
STATE

ZIP CODE NUMBER

Company _____



Reports

ATT. _____

P.O. BOX
STREET & NO.
BUILDING

CITY
STATE

ZIP CODE NUMBER

Company _____



Reports

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Owner - Operator - or His Agent

SIGNED S.B. Sanders Jr., Agent

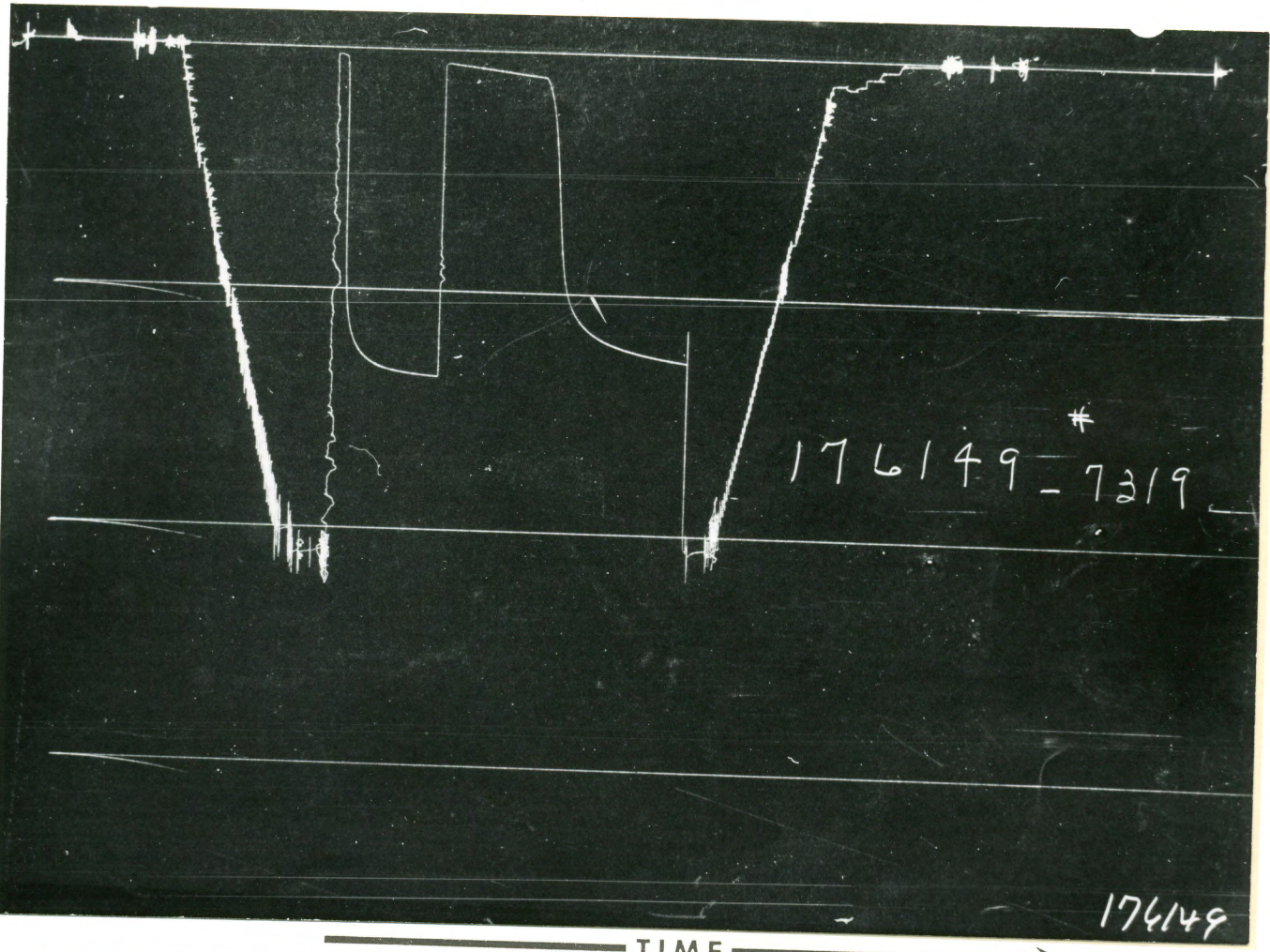
Send 1st, 2nd and 3rd Copy with Charts

(Use Additional Sheets When Necessary)

TEMPERATURE
RECORDER
CHART



10° each circle

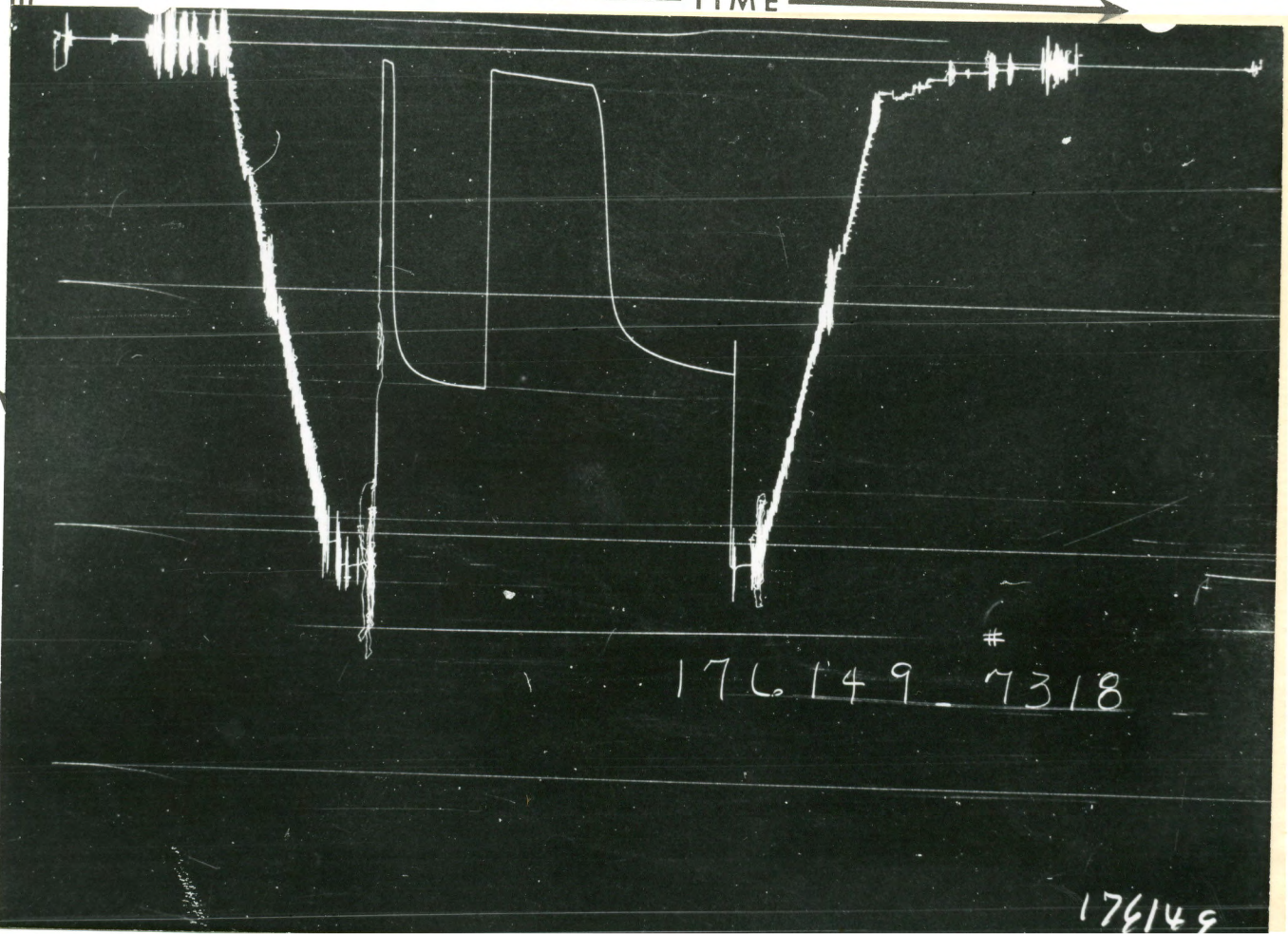


PRESSURE

TIME

176149-7319

176149



PRESSURE

TIME

176149-7318

176149

HAROLD RALL
 Lease Name
 1
 Well No.
 4
 Test No.
 4643' - 4681'
 Tested Interval
 WILDCAT
 County
 THOMAS
 State
 KANSAS
 GULF ENERGY AND MINERALS COMPANY, U.S.
 Lease Owner/Company Name

Legal Location
 Sec. - Twp. - Rng. 35 - 7S - 30W 31W
 Field Area
 Meas. From Tester Valve
 THOMAS
 State
 KANSAS

FLUID SAMPLE DATA		Date	6-17-77	Ticket Number	182755
Sampler Pressure _____ P.S.I.G. at Surface		Kind of Job	OPEN HOLE	Halliburton District	HAYS
Recovery: Cu. Ft. Gas _____		Tester	MR. PALMBERG	Witness	MR. MORTENSEN
cc. Oil _____		Drilling Contractor	RAINS & WILLIAMSON OIL COMPANY BC S		
cc. Water _____		EQUIPMENT & HOLE DATA			
cc. Mud _____		Formation Tested	Mississippi		
Tot. Liquid cc. _____		Elevation	2985'	GL	Ft.
Gravity _____ ° API @ _____ ° F.	Gas/Oil Ratio _____ cu. ft./bbl.	Net Productive Interval	7'		Ft.
RESISTIVITY _____ CHLORIDE CONTENT _____		All Depths Measured From	Kelly Bushing		
Recovery Water _____ @ _____ ° F. _____ ppm	Recovery Mud _____ @ _____ ° F. _____ ppm	Total Depth	4681'		Ft.
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm	Mud Pit Sample _____ @ _____ ° F. _____ ppm	Main Hole/Casing Size	7 7/8"		
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm	Mud Weight 9.3 vis 49 sec	Drill Collar Length	188'	I.D. 2.25"	
		Drill Pipe Length	121' WP-4307' I.D. 2.764" - 3.826"		
		Packer Depth(s)	4639' - 4643' Ft.		
		Depth Tester Valve	4628' Ft.		

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Cushion			1/4"	3/4"
Recovered	10 Feet of Rotary Mud, no show of oil			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Remarks	SEE PRODUCTION TEST DATA SHEET.			
	<i>Original to Area File - OLC.</i>			

TEMPERATURE	Gauge No. 684		Gauge No. 528		Gauge No.		TIME	
	Depth:	4645' Ft.	Depth:	4677' Ft.	Depth:	Ft.		
Est. 117 °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool	A.M.
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 2255	P.M.
Actual °F.	Pressures		Pressures		Pressures		Opened 0230	A.M.
	Field	Office	Field	Office	Field	Office	Bypass	P.M.
Initial Hydrostatic		2329	2342	2346 ✓			Reported	Computed
First Period	Flow Initial	21	35	41 ✓			Minutes	Minutes
	Flow Final	22	35	41 ✓			5	7
	Closed in	1264	1284	1281 ✓			60	67
Second Period	Flow Initial	24	35	51 ✓				
	Flow Final	31	43	51 ✓			60	56
	Closed in	1130	1137	1147 ✓			90	92
Third Period	Flow Initial							
	Flow Final							
	Closed in							
Final Hydrostatic		2329	2315	2346 ✓				

Gauge No. 684			Depth 4645'				Clock No. 16165			12 hour		Ticket No. 182755			
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	21	.0000		22	.0000	24	.0000		31					
1	.0470	22	.0468		800*	.0808	25**	.0535		522***					
2			.0802		1026	.1548	27	.1003		784					
3			.1137		1120	.2289	29	.1471		897					
4			.1471		1168	.3029	30	.1939		960					
5			.1805		1195	.3770	31	.2407		1002					
6			.2140		1216			.2874		1033					
7			.2474		1229			.3342		1055					
8			.2808		1239			.3810		1074					
9			.3143		1247			.4278		1089					
10			.3477		1252			.4746		1102					
11			.3811		1257			.5214		1113					
12			.4146		1262			.5682		1123					
13			.4480		1264			.6150		1130					
14															
15															

Gauge No. 528			Depth 4677'				Clock No. 4773			12 hour		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000	41	.0000		41	.0000	51	.0000		51		
1	.0490	41	.0445		812*	.0784	44**	.0510		563***		
2			.0763		1039	.1503	46	.0955		808		
3			.1081		1130	.2222	47	.1401		915		
4			.1399		1177	.2941	48	.1847		977		
5			.1717		1209	.3660	51	.2293		1018		
6			.2035		1229			.2739		1049		
7			.2353		1243			.3185		1071		
8			.2670		1255			.3631		1090		
9			.2988		1263			.4077		1105		
10			.3306		1269			.4522		1118		
11			.3624		1274			.4968		1129		
12			.3942		1279			.5414		1140		
13			.4260		1281			.5860		1147		
14												
15												

Reading Interval 5 11 7 Minutes

REMARKS: *Interval = 7 minutes **Interval = 12 minutes ***Interval = 8 minutes

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"	2.75"	1'	
Water Cushion Valve	4 1/2" WP	2.764"	121'	
Drill Pipe	4 1/2"	3.826"	4307'	
Drill Collars	6"	2.25"	188'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	4623'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4628'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	4'	4639'
Distributor				
Packer Assembly	6.75"	1.53"	4'	4643'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blacked-Off B.T. Running Case	5"	3.06"	4'	4645'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	3.84"	30'	
Blacked-Off B.T. Running Case	5"	2.44"	4'	4677'
Total Depth				4681'

D.S.T. Report Distribution



A Division of Halliburton Company

FORM 1509R3

DUNCAN, OKLAHOMA 73533

Gulf O. I. Co.

Company Name - - Lease Owner

Requested Distribution of Completed D.S.T. Report Folder
for Ticket No. 176158

(This Order Must Be Filled Out and Signed By Company Representative)

Company Gulf O. I. Co.
Orig. Chart

5
& Reports

ATT.

P.O. BOX 5509 N Pennsylvania Ave.
STREET & NO. OKLAHOMA CITY, OKLA.
BUILDING
CITY STATE
ZIP CODE NUMBER 73112

Company



ATT.

Reports

P.O. BOX
STREET & NO.
BUILDING
CITY STATE
ZIP CODE NUMBER

Company



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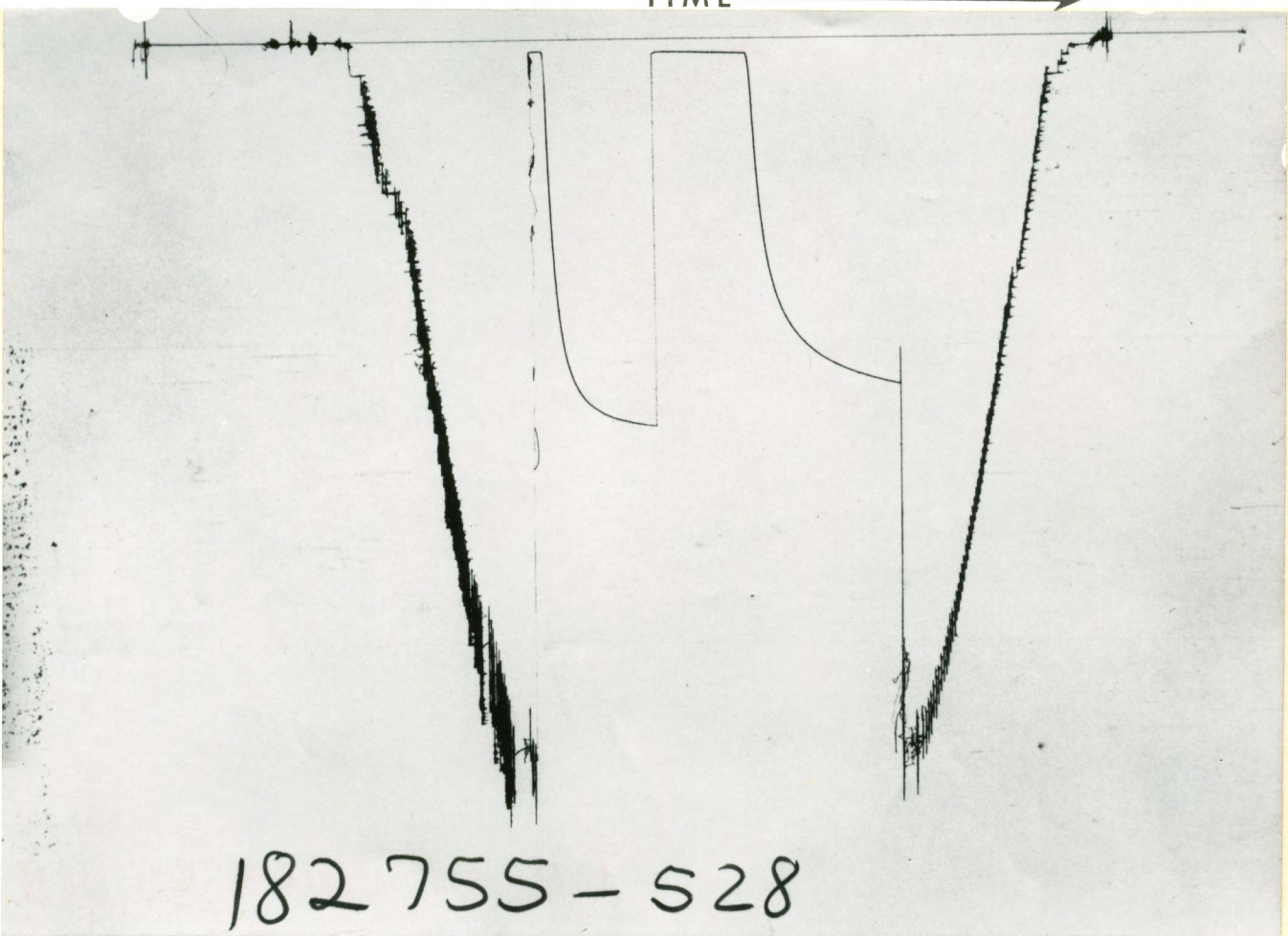
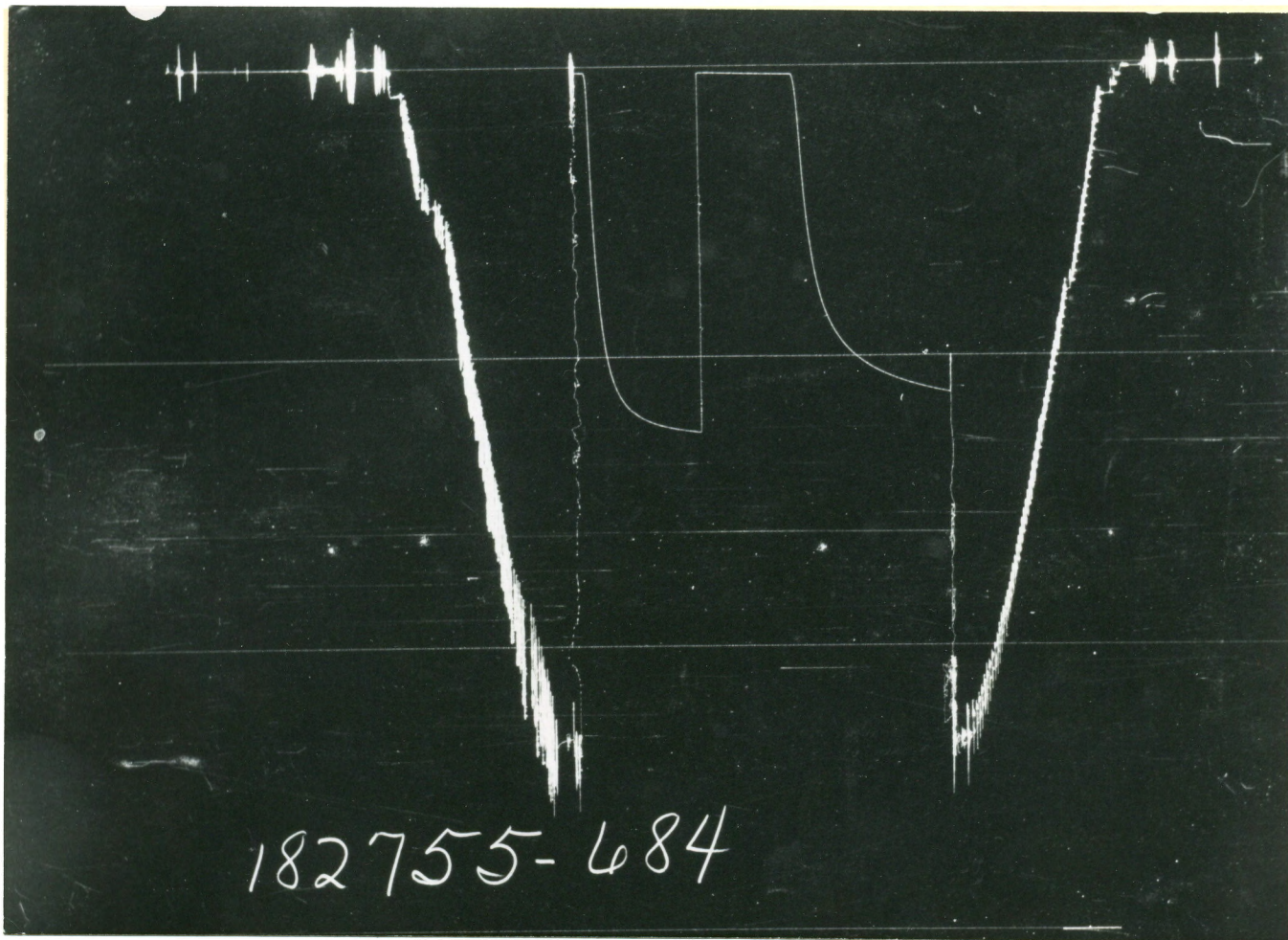
P.O. BOX
STREET & NO.
BUILDING
CITY STATE
ZIP CODE NUMBER

[Signature]
Owner - Operator - or His Agent

SIGNED [Signature], Agent

Send 1st, 2nd and 3rd Copy with Charts

(Use Additional Sheets When Necessary)



Each Horizontal Line Equal to 1000 p.s.i.