

Casing perms. _____ Bottom choke _____ 3/4" _____ Surf. temp. _____ °F Ticket No. _____ 088399
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2.50"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½"	3.826"	2158'	
Drill Collars	6"	2.25"	449'	
Handling Sub & Choke Assembly	4½"		4'	
Dual CIP Valve	5"	.85"	5'	2607'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	2612'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	2613'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	2629'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
X over sub				
Blanked-Off B.T. Running Case	6"	2.25"	1'	
Drill Collars	6"	2.25"	29'	
Anchor Pipe Safety Joint X over subs	6"	2.25"	1.50'	
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.37"	22'	
HT 500	5"	2.40"	1.5'	2684'
Blanked-Off B.T. Running Case	5"	2.44"	4'	2686'
Total Depth				2690'

TEMPERATURE
RECORDER
CHART

#088399

← 74°

10° each circle

088399-6754

PRESSURE

TIME

088399-6753

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

Casing perms. _____ Bottom choke _____ 3/4" Surf. temp. _____ °F Ticket No. 135921
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

Gauge No. 6754					Depth 2665'			Clock No. 17059			12 hour	Ticket No. 135921			
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	52	.0000		68	.0000	68	.0000		190					
1	.2010	68	.0266		176	.0340	72	.0394		235*					
2			.0533		236	.0680	82	.0657		264					
3			.0799		288	.1020	76	.0919		290					
4			.1065		333	.1360	108	.1182		314					
5	PLUGGING...		.1332		369	.1700	147	.1444		336					
6			.1598		398	.2040	190	.1707		354					
7			.1864		420			.1970		370					
8			.2130		439			.2232		383					
9			.2397		454			.2495		395					
10			.2663		465			.2757		405					
11			.2930		474			.3020		415					
12															
13															
14															
15															

Gauge No.			6753	Depth		2731'		Clock No.		17058	12 hour			
0	.0000	81	.0000		165	.0000	88	.0000		196				
1	.2000	165	.0271		199	.0333	88	.0403		241*				
2			.0542		250	.0667	93	.0672		269				
3			.0813		299	.1000	90	.0941		297				
4	PLUGGING...		.1084		344	.1333	116	.1209		321				
5			.1355		379	.1667	154	.1478		343				
6			.1625		407	.2000	196	.1746		360				
7			.1896		432			.2015		378				
8			.2167		450			.2284		393				
9			.2438		463			.2553		404				
10			.2709		475			.2821		415				
11			.2980		484			.3090		424				
12														
13														
14														
15														

Reading Interval

4

5

4

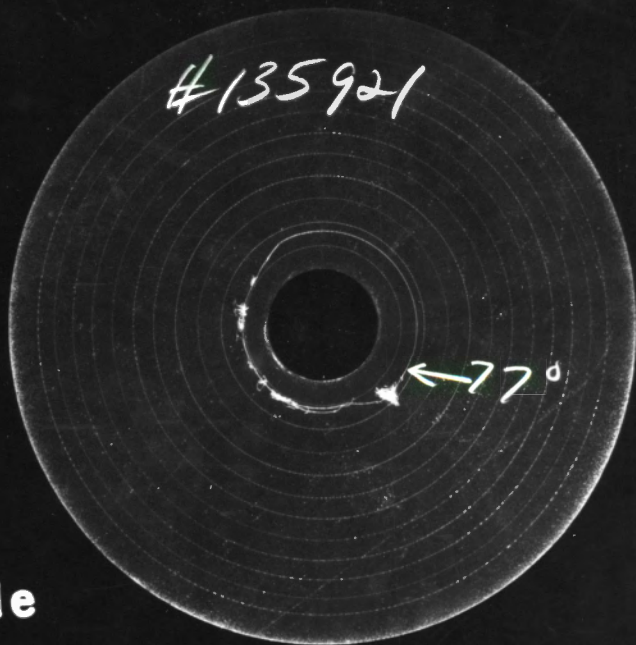
Minutes

REMARKS:

*Interval = 6 minutes

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2.50"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	2181'	
Drill Collars	6"	2.25"	479'	
Handling Sub & Choke Assembly	4 1/2"	-	4'	
Dual CIP Valve	5"	.85"	5'	2660'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	2664'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	2665'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4" NR	1.53"	6'	2701'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2.37"	27'	
Pressure Equalizing Tube				
HT-500 Temp. Device	5"	2.40"	1.5'	
Blanked-Off B.T. Running Case	5"	2.44"	4'	2731'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				2735'

TEMPERATURE
RECORDER
CHART



10° each circle

135921-6754

PRESSURE

TIME

135921-6753

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

FLUID SAMPLE DATA				Date 12-9-76		Ticket Number 088761	
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ ° F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY CHLORIDE CONTENT Recovery Water _____ @ _____ ° F. _____ ppm Recovery Mud _____ @ _____ ° F. _____ ppm Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm Mud Pit Sample _____ @ _____ ° F. _____ ppm Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm Mud Weight _____ vis _____ cp				Kind of Job OPEN HOLE TEST Tester N. BERRYHILL Drilling Contractor GABBERT & JONES DRILLING COMPANY #8 Witness FROST COX th s		Halliburton District LIBERAL EQUIPMENT & HOLE DATA Formation Tested Kansas City Elevation _____ Ft. Net Productive Interval 25' _____ Ft. All Depths Measured From Kelly Bushing Total Depth 4533' _____ Ft. Main Hole/Casing Size 7 7/8" - 8 5/8" Drill Collar Length 445' I.D. 2.25" Drill Pipe Length 3982' I.D. 3.826" Packer Depth(s) 4460' _____ Ft. Depth Tester Valve 4444' _____ Ft.	
TYPE AMOUNT Cushion _____ Ft. Depth Back Pres. Valve _____ Surface Choke 1/4" Bottom Choke 3/4"							
Recovered 210 Feet of mud				Mea. From Tester Valve			
Recovered 780 Feet of saltwater							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Remarks See Production Test Data Sheet . . .							
TEMPERATURE		Gauge No. 534 Depth: 4448 Ft.	Gauge No. 533 Depth: 4529 Ft.	Gauge No. _____ Depth: _____ Ft.	TIME		
Est. _____ ° F.		12 Hour Clock Blanked Off NO	12 Hour Clock Blanked Off YES	Hour Clock Blanked Off	Tool _____ A.M. Opened 0130 P.M. Opened _____ A.M. Bypass 0725 P.M.		
Actual 4528 97 ° F.		Pressures		Pressures	Pressures		
	Field	Office	Field	Office	Field	Office	Reported Minutes
First Period	Initial Hydrostatic	2102	2158	2142			Computed Minutes
	Flow Initial	33	79	82			
	Flow Final	266	264	302			30 29
Second Period	Closed in	1316	1343	1355			45 46
	Flow Initial	276	291	316			
	Flow Final	476	502	514			60 60
Third Period	Closed in	1288	1317	1328			45 45
	Flow Initial						
	Flow Final						
Final Hydrostatic		2094	2158	2136			

Legal Location
Sec. - Twp. - Rng.

14 - 28 - 30

CNE SE

Lease Name

HARVEY

Well No.

1

Test No.

3

Tested Interval

4460' - 4533'

County

GRAY

State

KANSAS

Lease Owner/Company Name

O. A. SUTTON

FORMATION TEST DATA

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 088701
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

Gauge No. 534					Depth 4448			Clock No. 17059			12 hour	Ticket No. 088761			
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	33	.0000		266	.0000	276	.0000		476					
1	.0270*	81	.0264**		1146	.0668	314	.0197		1118					
2	.0608	136	.0463		1202	.1337	348	.0393		1174					
3	.0946	184	.0661		1231	.2005	382	.0590		1203					
4	.1284	226	.0859		1249	.2673	417	.0786		1221					
5	.1622	247	.1057		1264	.3342	447	.0983		1235					
6	.1960	266	.1255		1275	.4010	476	.1180		1245					
7			.1454		1283			.1376		1253					
8			.1652		1290			.1573		1260					
9			.1850		1296			.1769		1265					
10			.2048		1300			.1966		1271					
11			.2246		1304			.2163		1275					
12			.2445		1308			.2359		1279					
13			.2643		1310			.2556		1281					
14			.2841		1313			.2752		1285					
15			.3040		1316			.2950		1288					

Gauge No. 533			Depth 4529			Clock No. 17058			12 hour						
0	.0000	82	.0000		302	.0000	316	.0000		514					
1	.0262*	126	.0263**		1184	.0660	349	.0197		1153					
2	.0590	176	.0460		1238	.1320	386	.0393		1212					
3	.0917	225	.0656		1267	.1980	421	.0590		1242					
4	.1245	266	.0853		1288	.2640	454	.0786		1261					
5	.1572	284	.1050		1304	.3300	485	.0983		1275					
6	.1900	302	.1247		1314	.3960	514	.1180		1286					
7			.1444		1322			.1376		1293					
8			.1641		1329			.1573		1300					
9			.1838		1336			.1769		1307					
10			.2035		1339			.1966		1312					
11			.2232		1345			.2163		1316					
12			.2429		1347			.2359		1320					
13			.2625		1351			.2556		1324					
14			.2822		1354			.2752		1326					
15			.3020		1355			.2950		1328					

Reading Interval 5 3 10 3 Minutes

REMARKS: * - first interval is equal to 4 minutes, ** - 4 minutes.

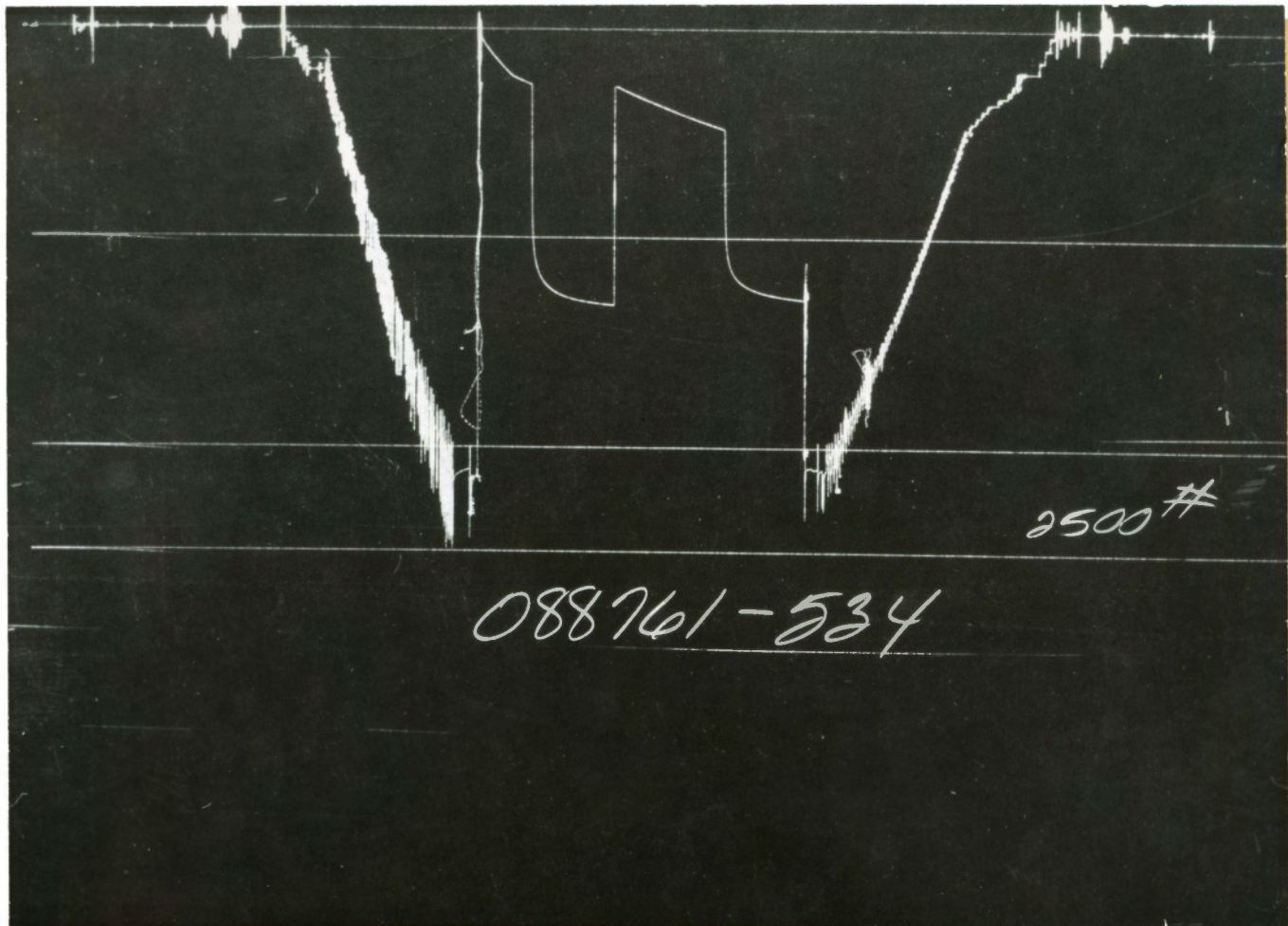
	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"		1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	3982'	
Drill Collars	6"	2.25"	445'	
Handling Sub & Choke Assembly	4 1/2"		4'	
Dual CIP Valve	5"	.85"	7'	4439'
Dual CIP Sampler	5"	.75"	5'	4444'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4448'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	.75"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"		6'	4460'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2.37"	10'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case ..SUB..	5"		1'	
Drill Collars	6"	2.26"	29'	
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	5"		2'	
Flush Joint Anchor	5"	2.37"	24'	
Ht - 500	5"		1'	4528'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4529'
Total Depth				4533'

TEMPERATURE
RECORDER
CHART

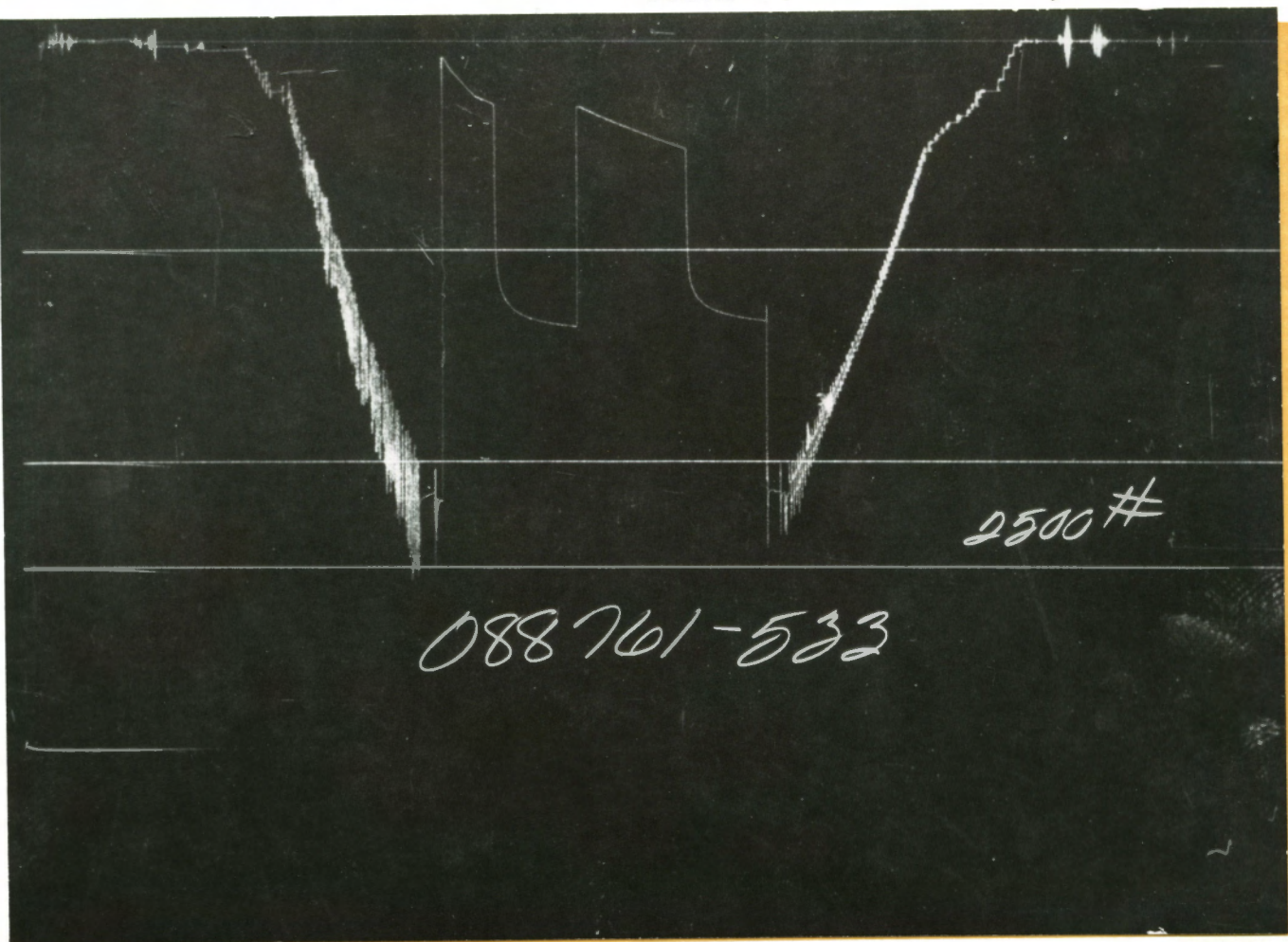


10° each circle

PRESSURE



TIME



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

FLUID SAMPLE DATA				Date 12-13-76		Ticket Number 088269	
Sampler Pressure 10 P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District LIBERAL	
Recovery: Cu. Ft. Gas _____				Tester MR. BURR		Witness MR. COX	
cc. Oil _____				Drilling Contractor GABBERT AND JONES DRILLING COMPANY #8			
cc. Water _____				EQUIPMENT & HOLE DATA BC			
cc. Mud 2200				Formation Tested St. Genevieve			
Tot. Liquid cc. 2200				Elevation 2799' KB Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval _____ Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 5175' Ft.			
Recovery Water @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8" 8 5/8"			
Recovery Mud .55 @ 60 °F. 6700 ppm				Drill Collar Length 510' I.D. 2.25"			
Recovery Mud Filtrate @ _____ °F. _____ ppm				Drill Pipe Length 4580' I.D. 3.826"			
Mud Pit Sample .55 @ 60 °F. 6725 ppm				Packer Depth(s) 5125' Ft.			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Depth Tester Valve 5109' Ft.			
Mud Weight 9.0 vis 65 Sec. = 40				Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke 1/4" Bottom Choke 3/4"			
Recovered 6 Feet of Mud				Meo. From Tester Valve			
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Remarks SEE PRODUCTION TEST DATA SHEET.				Field Area WILDCAT			
				County GREY			
				State KANSAS			
TEMPERATURE		Gauge No. 6274	Gauge No. 6273	Gauge No.		TIME	
Depth: 5110' Ft.		Depth: 5171' Ft.	Depth: _____ Ft.				
12 Hour Clock		12 Hour Clock	Hour Clock			Tool A.M.	
Est. °F. Blanked Off NO		Blanked Off YES	Blanked Off			Opened 1530 P.M.	
5170'						Opened 1800 A.M.	
Actual 113 °F.						Bypass 1800 P.M.	
Pressures		Pressures		Pressures		Reported Computed	
Field Office		Field Office		Field Office		Minutes Minutes	
Initial Hydrostatic		2446 2488 2478					
Flow Initial		9 39 38					
Flow Final		9 39 38				30	
Closed in		12 39 42				45	
Flow Initial		10 39 40					
Flow Final		12 39 42				30	
Closed in		13 39 43				45	
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		2414 2488 2445					

Casing perms. _____ Bottom choke 3/4" Surf. temp. 38 °F Ticket No. 088269
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED 1/4" blow hose

[illegible]

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	4580'	
Drill Collars	6"	2.25"	510'	
Handling Sub & Choke Assembly	4½"	3"	5'	
Dual CIP Valve				
Dual CIP Sampler	5"	.87"	7'	5104'
Hydro-Spring Tester	5"	.75"	5'	5109'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	5110'
Hydraulic Jar	5"	1.76"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	5125'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2.36"	43'	
Pressure Equalizing Tube				
HT-500	5"	-	1'	5170'
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	2.44"	4'	5171'
Total Depth				5175'

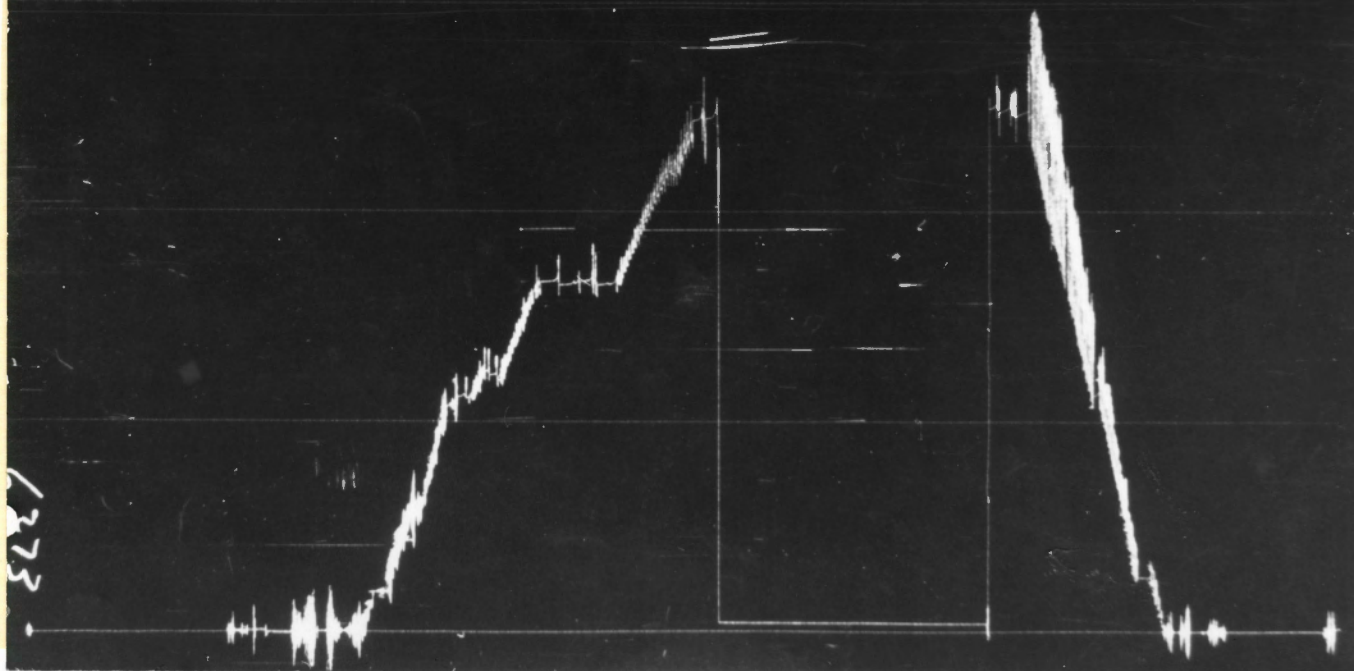
**TEMPERATURE
RECORDER
CHART**



10° each circle

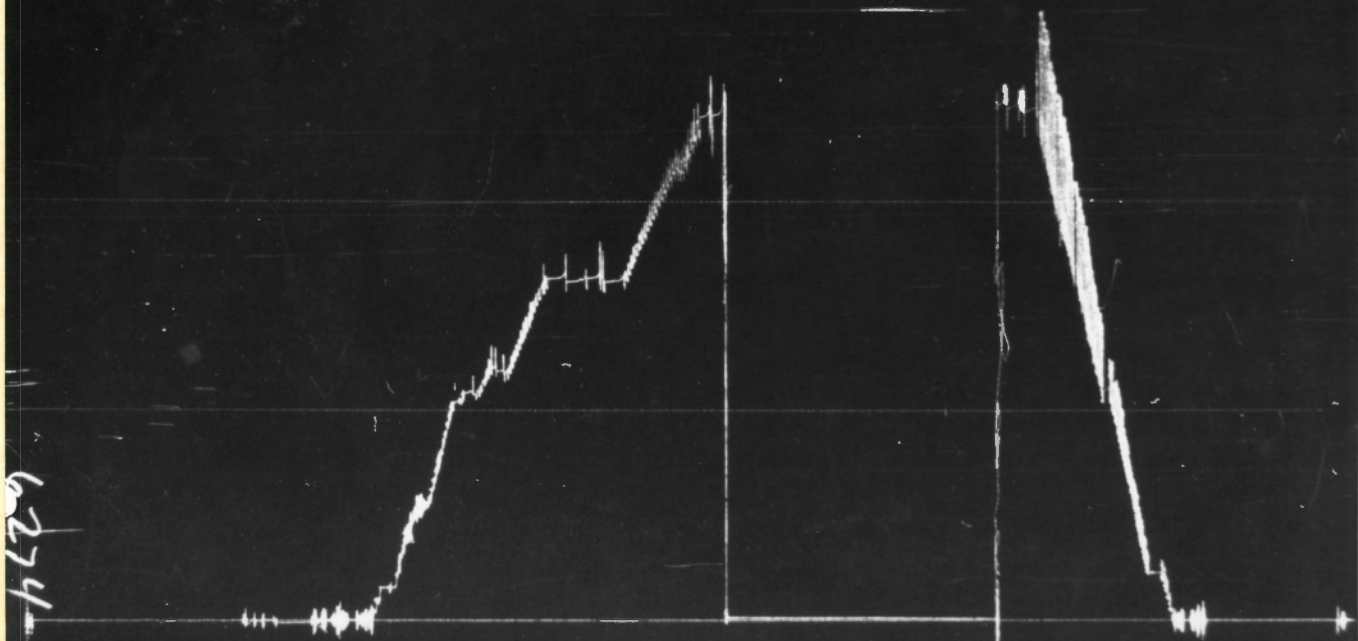
Each Horizontal Line Equal to 1000 p.s.i.

088269-6273



6273

088269-6274



6274

FLUID SAMPLE DATA				Date 12-14-76		Ticket Number 088270	
Sampler Pressure <u>50</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water <u>2200</u> cc. Mud <u>None</u> Tot. Liquid cc. <u>2200</u> Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY CHLORIDE CONTENT Recovery Water <u>.09</u> @ <u>75</u> °F. <u>54,595</u> ppm Recovery Mud _____ @ _____ °F. _____ ppm Recovery Mud Filtrate _____ @ _____ °F. _____ ppm Mud Pit Sample <u>.55</u> @ <u>70</u> °F. <u>6,650</u> ppm Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm Mud Weight <u>9.0</u> vis <u>50</u> Sec. <u>CP</u>				Kind of Job <u>OPEN HOLE</u> Tester <u>MR. BURR</u> Witness <u>MR. COX</u> Drilling Contractor <u>GABBERT AND JONES DRILLING COMPANY #8</u>		Halliburton District <u>LIBERAL</u> Equipment & Hole Data <u>BC S</u>	
				Formation Tested <u>St. Louis</u> Elevation <u>2799'</u> Ft. Net Productive Interval <u>10'</u> Ft. All Depths Measured From <u>Kelly Bushing</u> Total Depth <u>5294'</u> Ft. Main Hole/Casing Size <u>7 7/8"</u> Drill Collar Length <u>480'</u> I.D. <u>2.25"</u> Drill Pipe Length <u>4726'</u> I.D. <u>3.826"</u> Packer Depth(s) <u>5240'</u> Ft. Depth Tester Valve <u>5224'</u> Ft.			
Cushion		TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke	
					<u>1/4"</u>	<u>3/4"</u>	
Recovered	<u>80</u>	Feet of	<u>Watery mud</u>				
Recovered	<u>1900</u>	Feet of	<u>Salt water</u>				
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks		<u>SEE PRODUCTION TEST DATA SHEET.</u>					
TEMPERATURE		Gauge No. <u>6274</u>	Gauge No. <u>6273</u>	Gauge No.		TIME	
		Depth: <u>5225'</u> Ft.	Depth: <u>5290'</u> Ft.	Depth: _____ Ft.			
Est. _____ °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off <u>NO</u>		Blanked Off <u>YES</u>		Blanked Off _____		Tool _____ A.M.	
<u>5289'</u>						Opened <u>0330</u> P.M.	
Actual <u>120</u> °F.						Opened _____ A.M.	
						Bypass <u>0630</u> P.M.	
		Pressures		Pressures		Pressures	
	Field	Office	Field	Office	Field	Office	
First Period	Initial Hydrostatic	<u>2495</u>	<u>2514</u>	<u>2528</u>			Reported Minutes
	Flow Initial	<u>31</u>	<u>26</u>	<u>63</u>			Computed Minutes
	Flow Final	<u>475</u>	<u>496</u>	<u>505</u>			
Second Period	Closed in	<u>1449</u>	<u>1475</u>	<u>1479</u>			<u>30</u>
	Flow Initial	<u>487</u>	<u>496</u>	<u>521</u>			<u>45</u>
	Flow Final	<u>928</u>	<u>935</u>	<u>958</u>			<u>60</u>
Third Period	Closed in	<u>1401</u>	<u>1436</u>	<u>1432</u>			<u>45</u>
	Flow Initial						
	Flow Final						
Final Hydrostatic		<u>2503-0</u>	<u>2514</u>	<u>2518</u>			
Q = Questionable							

Legal Location Sec. - Twp. - Rng. 14 - 28 - 30

Lease Name HARVEY

Well No. 1

Test No. 5

Tested Interval 5240' - 5294'

County GREY

State KANSAS

Lease Owner/Company Name O. A. SUTTON

Field Area WILDCAT

Meo. From Tester Valve _____

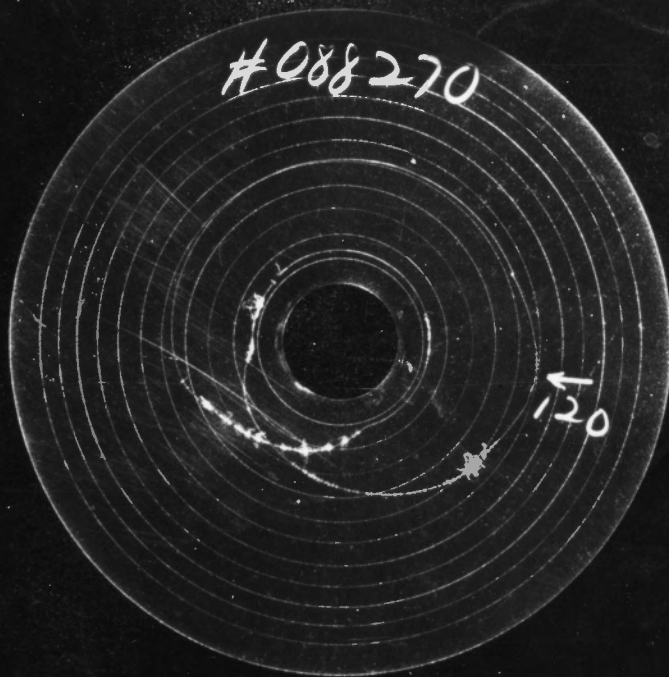
Gauge No. 6274			Depth 5225'			Clock No. 10432			12 hour	Ticket No. 088270					
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	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	31	.0000		475	.0000	487	.0000		928					
1	.0342	178	.0130		1187*	.0603	571**	.0275		1274					
2	.0683	264	.0391		1301	.1272	660	.0549		1318					
3	.1025	319	.0652		1353	.1942	737	.0824		1341					
4	.1367	374	.0913		1380	.2611	809	.1098		1355					
5	.1708	426	.1174		1399	.3281	870	.1373		1366					
6	.2050	475	.1435		1411	.3950	928	.1647		1375					
7			.1696		1420			.1922		1383					
8			.1957		1428			.2196		1388					
9			.2217		1434			.2471		1393					
10			.2478		1439			.2745		1399					
11			.2739		1445			.3020		1401					
12			.3000		1449										
13															
14															
15															

Gauge No. 6273			Depth 5290'			Clock No. 8090			12 hour						
0	.0000	63	.0000		505	.0000	521		.0000		958				
1	.0337	205	.0132		1219*	.0603	601**		.0268		1304				
2	.0673	295	.0395		1333	.1272	688		.0536		1347				
3	.1010	350	.0659		1381	.1942	766		.0805		1369				
4	.1347	406	.0922		1410	.2611	837		.1073		1384				
5	.1683	457	.1186		1428	.3281	901		.1341		1394				
6	.2020	505	.1449		1441	.3950	958		.1609		1403				
7			.1713		1452				.1877		1410				
8			.1976		1458				.2145		1416				
9			.2240		1465				.2414		1423				
10			.2503		1470				.2682		1427				
11			.2767		1475				.2950		1432				
12			.3030		1479										
13															
14															
15															
Reading Interval 5			4			10			4			Minutes			

REMARKS: *Interval = 2 minutes **Interval = 9 minutes

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2.25"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½"	3.826"	4726'	
Drill Collars	6"	2.25"	480'	
Handling Sub & Choke Assembly	4½"	3"	4'	
Dual CIP Valve	5"	.87"	7'	5219'
Dual CIP Sampler	5"	.75"	5'	5224'
Hydro-Spring Tester 4½" H-90 - 4½" FH	6"	3"	1'	
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	5225'
Hydraulic Jar	5"	1.76"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	5240'
Distributor				
Packer Assembly				
3½" FH - 4½" H-90	6"	2.25"	1'	
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars	6"	2.25"	30'	
Anchor Pipe Safety Joint	6"	2.25"	2'	
4½" Reg. - 4½" FH				
4½" FH - 3½" FH				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.36"	14'	
HT-500	5"	-	1'	
Blanked-Off B.T. Running Case	5"	2.44"	4'	5290'
Total Depth				5294'

**TEMPERATURE
RECORDER
CHART**



10° each circle

088270-6274

6274

PRESSURE

TIME

088270-6273

6273

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