



DS1



FLUID SAMPLE DATA				Date 1-23-76		Ticket Number 821227			
Sampler Pressure 10 P.S.I.G. at Surface				Kind of Job HOOK WALL		Halliburton District ROCK SPRINGS			
Recovery: Cu. Ft. Gas .01				Tester CASH		Witness MARTIAN			
cc. Oil				Drilling Contractor MONTGOMERY DRILLING # 48 NM S					
cc. Water				EQUIPMENT & HOLE DATA					
cc. Mud 2000				Formation Tested Frontier					
Tot. Liquid cc. 2000 C.C.				Elevation 8500' Ft.					
Gravity ° API @ ° F.				Net Productive Interval 10,459' - 540' - 10,564' - 615' Ft.					
Gas/Oil Ratio cu. ft./bbl.				All Depths Measured From Kelly Bushing					
RESISTIVITY CHLORIDE CONTENT				Total Depth 10,615' Ft.					
Recovery Water @ ° F. ppm				Main Hole/Casing Size 9 5/8" 53.50# Casing &					
Recovery Mud 4.50 @ 48 ° F. 1700 ppm				Drill Collar Length 787.02' I.D. 2.75" / 8 1/2" OH					
Recovery Mud Filtrate @ ° F. ppm				Drill Pipe Length 9611.85' I.D. 4.276"					
Mud Pit Sample 3.54 @ 54 ° F. 2000 ppm				Packer Depth(s) 10,430' Ft.					
Mud Pit Sample Filtrate @ ° F. ppm				Depth Tester Valve 10,407' Ft.					
Mud Weight 9 vis ? cp									
TYPE		AMOUNT		Depth Back		Surface		Bottom	
Cushion		NONE		Ft. Pres. Valve NONE		Choke BUBBLE HOSE		Choke 3/4"	
Recovered		250' Feet of mud							
Recovered		Feet of							
Recovered		Feet of							
Recovered		Feet of							
Recovered		Feet of							
Remarks		No gas or fluid to the surface. Not enough gas in the sampler to get a sample. Gas cut mud in the sampler..SEE PRODUCTION TEST DATA SHEET FOR THE REMAINDER OF THE REMARKS...							
TEMPERATURE		Gauge No. 1579		Gauge No. 425		Gauge No.		TIME	
Depth: 10,412' Ft.		Depth: 10,454' Ft.		Depth: Ft.					
Est. 130 ° F.		Blanked Off NO		Blanked Off YES		Blanked Off		Tool A.M.	
Actual 134 ° F.		Pressures		Pressures		Pressures		Opened 03:15 P.M.	
		Field Office		Field Office		Field Office		Opened A.M.	
Initial Hydrostatic		4787 4846		4825 4857				Bypass 11:50 P.M.	
First Period Flow Initial		43 41		87 83				Reported Minutes	
Flow Final		68 69		109 99				Computed Minutes	
Closed in		2230 2207		2227 2228				22 22	
Second Period Flow Initial		68 89		131 121				133 133	
Flow Final		108 143		175 178				180 182	
Closed in		1677 1694		1705 1719				180 178	
Third Period Flow Initial									
Flow Final									
Closed in									
Final Hydrostatic		4744 4816		4803 4829					

Legal Location
Sec. Twp. Rng.

19 - 11N - 102W

Field Area

Med. From Tester Valve

County

MOFFAT

State

COLORADO

BEAR SPRINGS FEDERAL

Well No. 1

Test No. 1

10,430' - 10,615'

CHAMPLIN PETROLEUM COMPANY

Lease Owner/Company Name



#1

Casing perms. 10,459'-540' Bottom choke 3/4" Surf. temp. 10 °F Ticket No. 821227
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date	Time	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1-24-76	05:00					On location.
	08:00 TO 10:00					Unloaded and made up the tools.
	10:00 to 20:00	1-24-76				Stand by to log and perforate.
1-24-76	20:00					Started making up the tools.
	20:30					Wound top clock # 9654X - 24 Hour.
	20:50					Wound bottom clock # 3100 - 24 Hour.
1-25-76	03:13					Set packer.
	03:15	BUBBLE HOSE				Tool opened with a light blow - 1" in the bucket.
	03:35					Light blow - started rotating the Dual CIP.
	03:37					Dual CIP closed - blow decreased.
	04:00					Blow stopped.
	05:50					Rotated dual for the final flow.
	06:00					Had a slight blow on hose - 1/8" in water.
	06:15					" RECEIVED
	06:30					" MAR 11 1977
	07:00					" COLO. OIL & GAS CONS. COMM.
	07:15					Slight increase in the blow on bubble hose - 1/4" in the water.
	07:30					"
	08:00					"
	08:30					"
	08:45					"
	08:50					Started rotating dual for the final
	08:52					closed in pressure.
	08:55					Blow stopped.



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GOLD OIL & GAS CONS. COMM.



821227-1579

PRESSURE



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PHOTOGRAPHIC COMM.

821227-425

Gauge No. 1579			Depth 10,412'		Clock No. 9654X			24hour		Ticket No. 821227					
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	41	.000		69	.000	89	.000		143					
1	.0221	54*	.0231		330**	.1069	104***	.0334		307****					
2	.0368	58	.0527		678	.2071	114	.0735		467					
3	.0515	63	.0823		898	.3073	121	.1137		611					
4	.0663	65	.1120		1092	.4076	127	.1538		732					
5	.0810	69	.1416		1235	.5078	136	.1939		836					
6			.1712		1376	.6080	143	.2340		935					
7			.2009		1511			.2741		1030					
8			.2305		1624			.3142		1118					
9			.2602		1731			.3543		1212					
10			.2898		1827			.3944		1299					
11			.3194		1917			.4345		1385					
12			.3491		1996			.4747		1472					
13			.3787		2072			.5148		1553					
14			.4083		2144			.5549		1626					
15			.4380		2207			.5950		1694					

Gauge No. 425			Depth 10,454'			Clock No. 3100			hour	24		
0	.000	83	.000		99	.000	121	.000		178		
1	.0196	86*	.0232		314**	.1064	134***	.0334		336****		
2	.0327	90	.0531		660	.2061	145	.0734		496		
3	.0458	92	.0829		893	.3058	154	.1135		636		
4	.0589	94	.1127		1078	.4056	160	.1535		754		
5	.0720	99	.1426		1237	.5053	169	.1936		857		
6			.1724		1379	.6050	178	.2336		954		
7			.2023		1508			.2736		1053		
8			.2321		1632			.3137		1142		
9			.2619		1741			.3537		1233		
10			.2918		1841			.3938		1325		
11			.3216		1930			.4338		1412		
12			.3515		2013			.4739		1492		
13			.3813		2089			.5139		1573		
14			.4112		2163			.5540		1645		
15			.4410		2228			.5940		1719		

Reading Interval 4 9 12 Minutes

REMARKS: * INTERVAL = 6 MINUTES. ** INTERVAL = 7 MINUTES. *** INTERVAL = 32 MINUTES. **** INTERVAL = 10 MINUTES.

SPECIAL PRESSURE DATA



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OIL & GAS DIVISION



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	3.00"	.81'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	5"	4.276"	9611.85'	
Drill Collars	6"	2.75"	787.02'	
CROSS-OVER SUB 4 1/2" FH PIN X *****	5.75"	2.75"	1.03'	
Dual CIP Valve	5"	.75"	6.75'	10,400'
Dual CIP Sampler	5"	.75"	5.00'	10,407'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.12'	10,412'
Hydraulic Jar	5.00"	1.75"	5.00'	
VR Safety Joint	5"	1.00"	2.62'	
Pressure Equalizing Crossover				
RTTS STUBBY Packer Assembly	8.25"	2.44"	5.00'	10,430'

Distributor ... CROSS-OVER SUB	5"	2.23"	.80'	
Packer Assembly				
Flush Joint Anchor				
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				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	6"	2.375"	4.00'	10,454'
Total Depth				10,615'

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COPIED ON 2.24.77 CONS. COMM.



BEAR SPRINGS FEDERAL 1 2 10838' - 10943' CHAMPLIN PETROLEUM COMPANY

Lease Name Well No. Test No. Tested Interval Lease Owner/Company Name

FLUID SAMPLE DATA		Date 2-1-76	Ticket Number 821229
Sampler Pressure 35 P.S.I.G. at Surface	Kind of Job OPEN HOLE TEST	Halliburton District ROCK SPRINGS	
Recovery: Cu. Ft. Gas .23	Tester MR. CASH	Witness MR. MARTIAN	
cc. Oil	Drilling Contractor MONTGOMERY A.M.C. #48 PW S		
cc. Water 600	EQUIPMENT & HOLE DATA		
cc. Mud	Formation Tested Dakota		
Tot. Liquid cc. 600	Elevation 8500'	Ft.	
Gravity ° API @ ° F.	Net Productive Interval 10838' - 10943'	Ft.	
Gas/Oil Ratio cu. ft./bbl.	All Depths Measured From Kelly Bushing		
RESISTIVITY CHLORIDE CONTENT	Total Depth 10943'	Ft.	
Recovery Water .12 @ 64 ° F. 65,000 ppm	Main Hole/Casing Size 8 1/2"		
Recovery Mud .31 @ 66 ° F. 21,000 ppm	Drill Collar Length 681'	I.D. 2.75"	
Recovery Mud Filtrate @ ° F. ppm	Drill Pipe Length	I.D. 4.276"	
Mud Pit Sample 2.70 @ 70 ° F. 700 ppm	Packer Depth(s) 10830' - 10838'	Ft.	
Mud Pit Sample Filtrate @ ° F. ppm	Depth Tester Valve 10810'	Ft.	
Mud Weight 9 vis cp			

TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
Cushion		Pres. Valve	1/4"	5/8"
Recovered	465 Feet of	Gas cut mud.		
Recovered	6816 Feet of	Gas cut water.		
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Remarks	SEE PRODUCTION TEST DATA SHEET.....			

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GOLD OIL & GAS CONS. COMM.

TEMPERATURE		Gauge No. 1579	Gauge No. 425	Gauge No.	TIME	
Depth:		10815' Ft.	10938' Ft.	Depth:	Ft.	
24 Hour Clock		48 Hour Clock		Hour Clock		Tool A.M.
Est.	°F.	Blanked Off No	Blanked Off Yes	Blanked Off		Opened 05:18 P.M.
Actual 143 °F.		Pressures		Pressures		Opened A.M.
		Pressures		Pressures		Bypass 12:37 P.M.
		Field	Office	Field	Office	Reported
Initial Hydrostatic		4934	4954	5019	5002	Minutes
First Period	Flow Initial	864	866	1009	996	Minutes
	Flow Final	1463	1408	1052	1453	17 16
	Closed in	3541	3567	3549	3600	60 61
Second Period	Flow Initial	1527	1558	1618	1625	Minutes
	Flow Final	3287	3313	3355	3338	120 120
	Closed in	3541	3579	3571	3617	242 242
Third Period	Flow Initial					Minutes
	Flow Final					
	Closed in					
Final Hydrostatic		4934	4920	4889	4959	Minutes



#2

PAGE 1

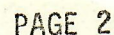
Casing perms. _____ Bottom choke 5/8" Surf. temp. 25-35 °F Ticket No. 821229
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1-31-76						
17:30						Called out.
20:30						On location.
22:00						Started unloading and picked up tools.
23:07						Wound bottom clock.
23:37						Wound top clock.
						Went in hole.
2-1-76						
04:30						On bottom. Hooked up head.
05:16						Tag bottom.
05:18						Opened tool with a good blow.
05:20		Needle Valve 1/2"	1			1/4" bubble hose.
05:25		"	2			"
05:34		"	3			Start to rotate dual.
05:35						Dual closed.
06:00						Light blow.
06:33						"
06:35						Rotated dual open.
06:38		Needle valve. 1/2"	1			1/4" bubble hose.
06:45		"	2			"
07:00		"	3			"
07:15		"	4			"
07:30		"	"			"
07:42		1/4"	4	ORIFICE TESTER 1/8"-3 psi		Opened flow line on orifice tester.
07:45		"	4	"		No gas to the surface.
08:00		"	3	1/8"-2 psi		"
08:15		"	"	"		"
08:30		"	2	1/8"-1 psi		"

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Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 821229

Gas gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

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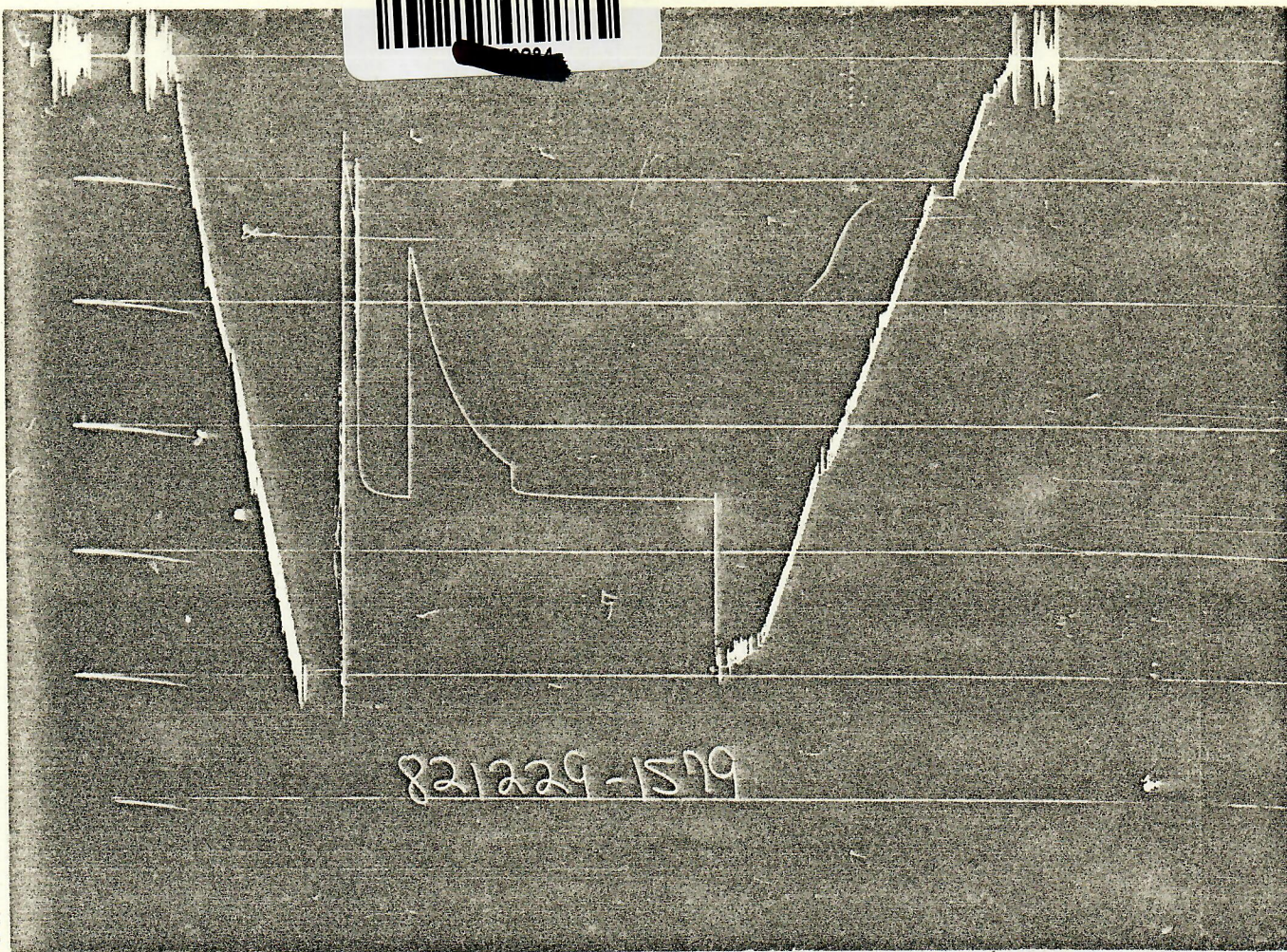
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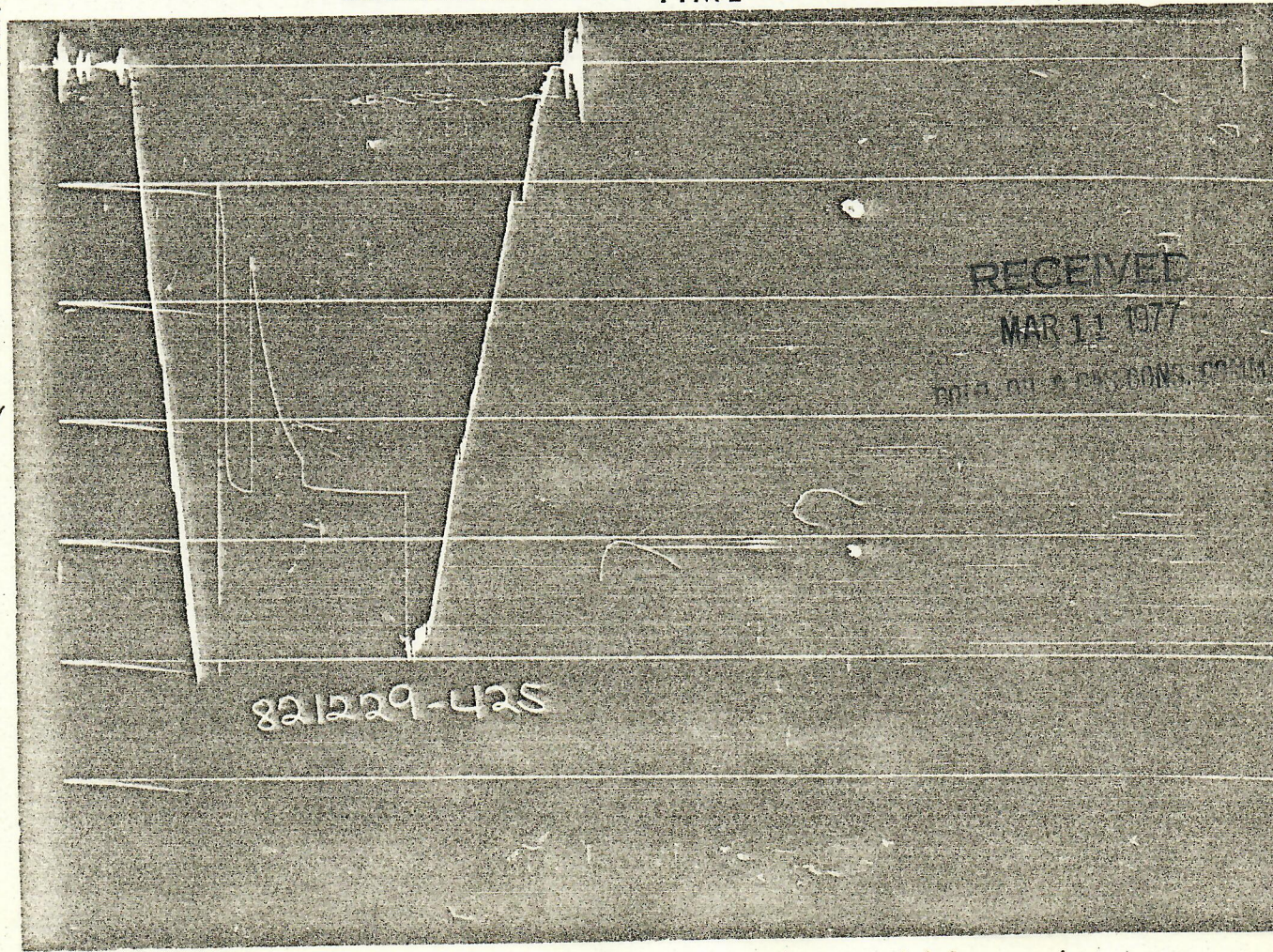
GOLO. OIL & GAS CONS. COMM.



PRESSURE



TIME



Gauge No. 1579					Depth 10815'		Clock No. 3100			24 hour	Ticket No. 821229				
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	866	.000		1408	.000	1558	.000		3313					
1	.0033*	888	.0165**		3408	.0667	2116	.0592***		3533					
2	.0133	944	.0297		3467	.1333	2545	.1118		3545					
3	.0232	1062	.0428		3495	.2000	2846	.1645		3552					
4	.0331	1190	.0560		3514	.2667	3059	.2171		3556					
5	.0431	1310	.0692		3526	.3334	3207	.2697		3560					
6	.0530	1408	.0824		3535	.4000	3313	.3224		3564					
7			.0956		3541			.3750		3567					
8			.1087		3548			.4276		3569					
9			.1219		3552			.4803		3569					
10			.1351		3554			.5329		3571					
11			.1483		3558			.5855		3573					
12			.1615		3560			.6381		3573					
13			.1746		3562			.6908		3575					
14			.1878		3564			.7434		3577					
15			.2010		3567			.7960		3579					

Gauge No. 425			Depth 10938'			Clock No. 13849			48 hour						
0	.000	996	.000		1453	.000	1625	.000		3338					
1	.0017*	1000	.0084**		3426	.0332	2148	.0299***		3565					
2	.0068	1068	.0151		3489	.0663	2570	.0565		3576					
3	.0118	1163	.0217		3519	.0995	2876	.0831		3582					
4	.0169	1253	.0284		3541	.1327	3082	.1096		3587					
5	.0219	1362	.0351		3554	.1659	3234	.1362		3591					
6	.0270	1453	.0418		3565	.1990	3338	.1628		3595					
7			.0485		3574			.1894		3600					
8			.0552		3578			.2160		3602					
9			.0619		3582			.2425		3606					
10			.0686		3589			.2691		3608					
11			.0753		3591			.2957		3610					
12			.0820		3593			.3223		3613					
13			.0886		3595			.3489		3615					
14			.0953		3597			.3754		3617					
15			.1020		3600			.4020		3617					

Reading Interval 3 4 20 16 Minutes

REMARKS: * = 1 minute ** = 5 minutes *** = 18 minutes



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	6.25"	3.00"	1.00'	
Drill Pipe	5"	4.276"		
Water-Cushion Valve				
Drill Pipe .. Heavy Wall	5"		182'	
Drill Collars	6"	2.75"	623	
Handling Sub & Choke Assembly	5 3/4"	5/8"	1.00'	
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	6.75'	10803'
Hydro-Spring Tester	5"	.75"	5.00'	10810'
X Sub 4 1/2" xh Box - 4 1/2" FH Pin	5 3/4"	2 1/2"	.64'	
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.12'	10815'
Hydraulic Jar	5"	1.75"	5.00'	
VR Safety Joint	5"	1.00"	2.62'	
Pressure Equalizing Crossover				
Packer Assembly	7 3/4"	1.53"	5.20'	10830'
Distributor	5"	1.68"	2.00'	
Packer Assembly	7 3/4"	1.53"	5.20'	10838'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint	5 3/4"	2.50"	4.14'	
Packer Assembly				
Distributor-X Sub 4 1/2" FH Box x 4 1/2" XH Pin	5 3/4"	2.50"	.86'	
Packer Assembly				
Anchor Pipe Safety Joint-Drill Collars	6"	2.75"	58.42'	
Side Wall Anchor				
Drill Collars X Sub 4 1/2" XH Box - 4 1/2" FH Pin	5 3/4"	3"	.70'	
Flush Joint Anchor	5 3/4"	2.375"	35'	
Blanked-Off B.T. Running Case	5.54"	2.375"	4.60'	10938'
Total Depth				10943'

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