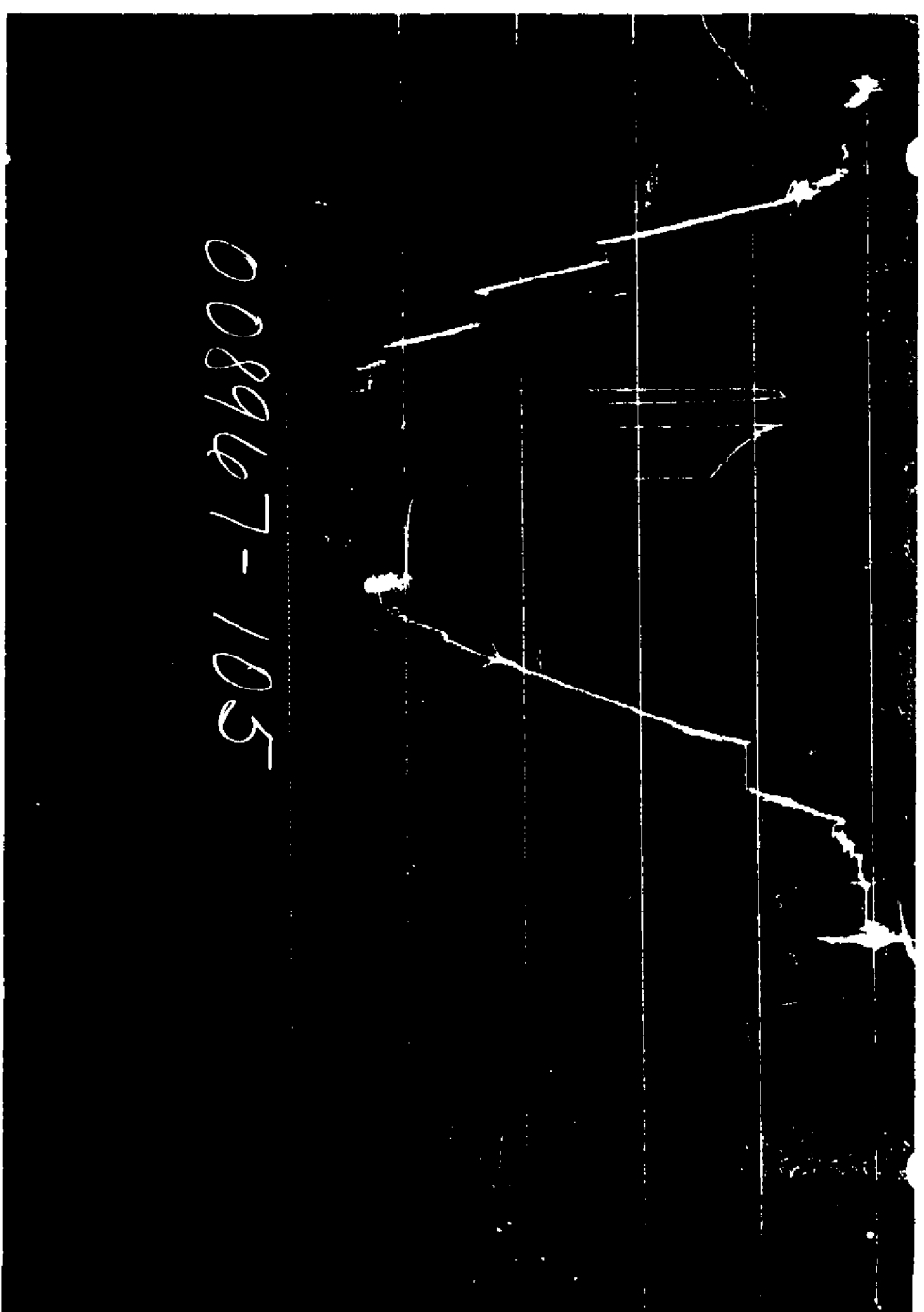
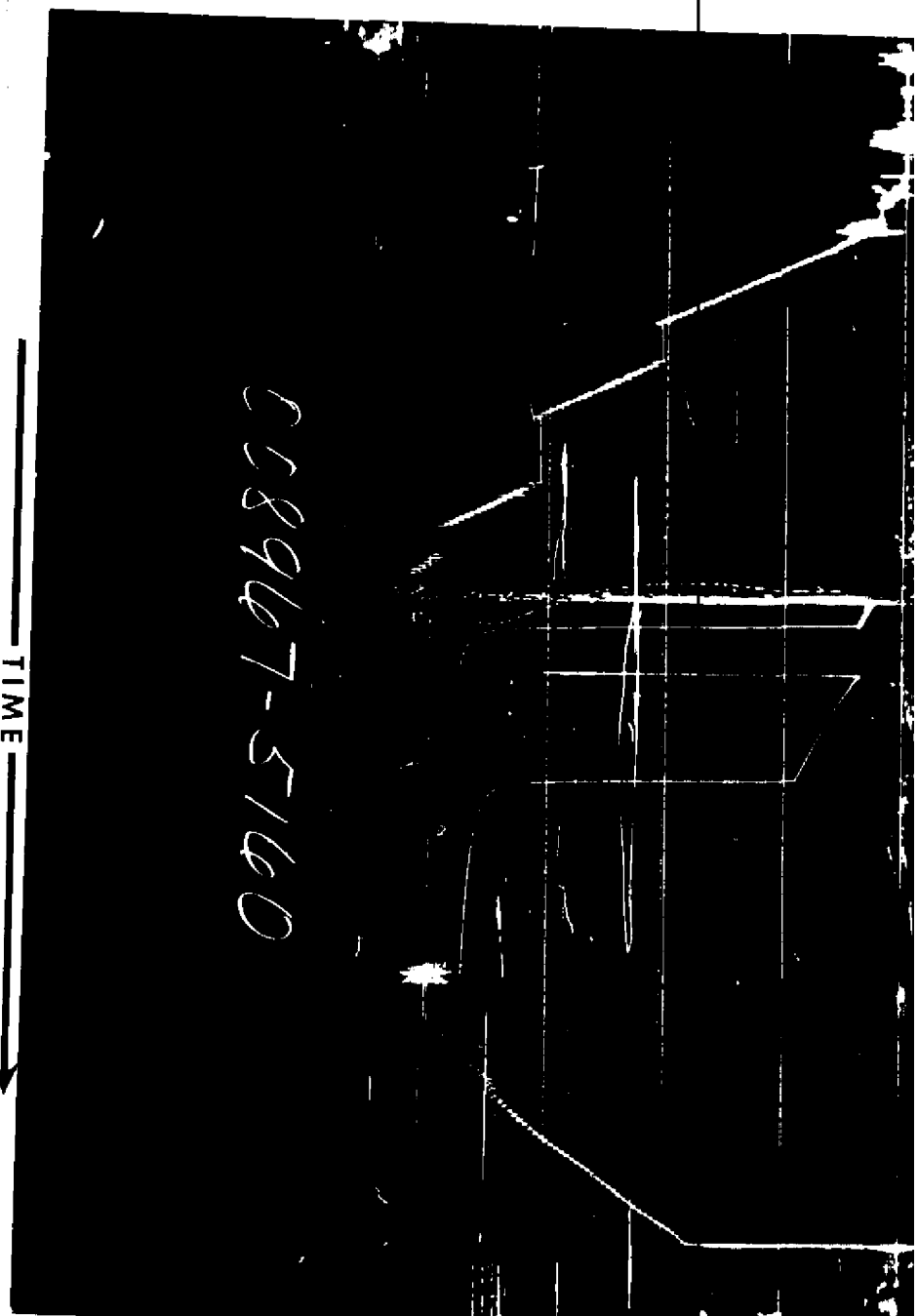
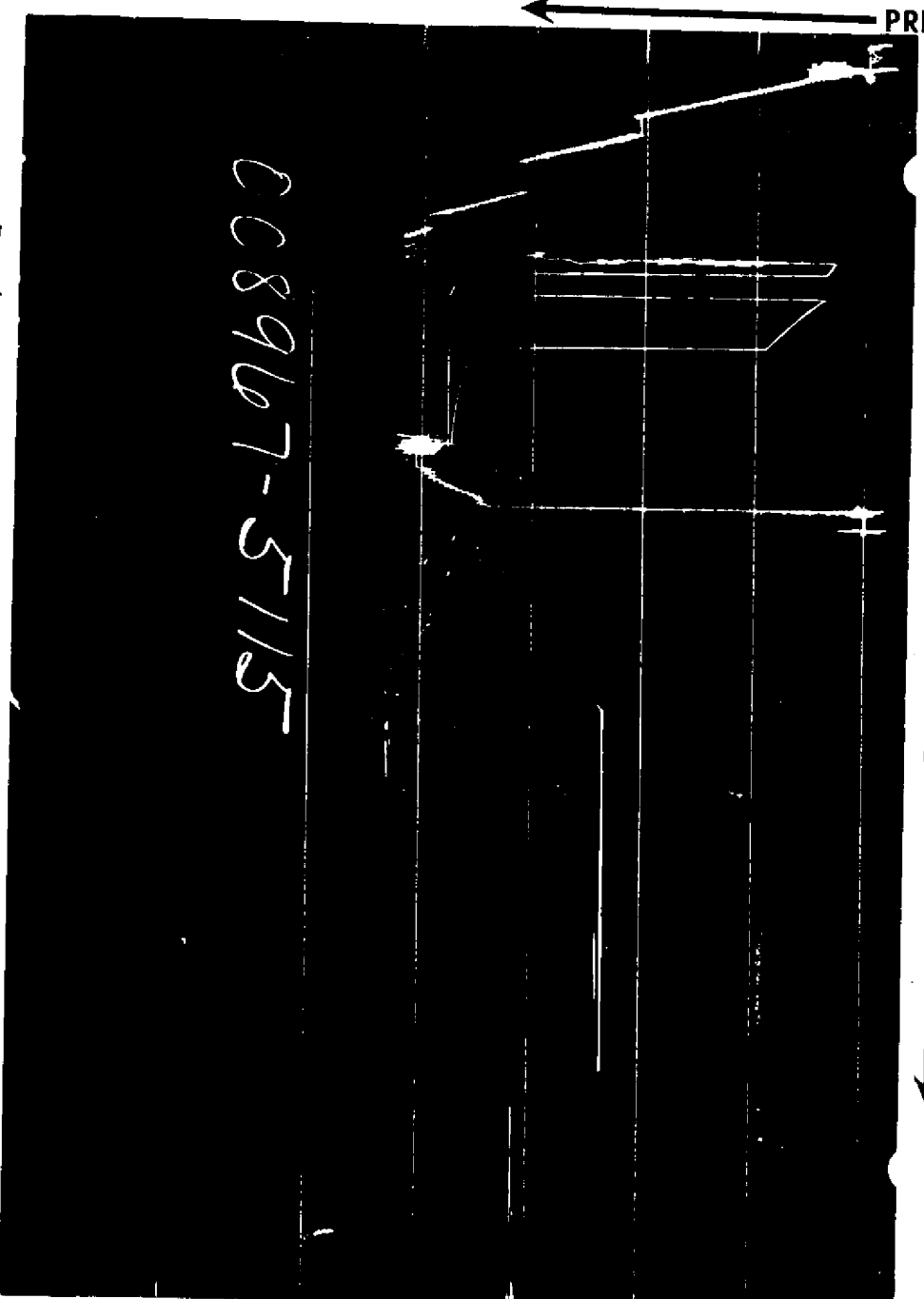


NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h)	Feet
$D.R.$	= Damage Ratio	
EI	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h_1	= Net Pay Thickness	Feet
K	= Permeability	md
K_1	= Permeability (From Net Pay Zone h)	md
m	= Slope Extrapolated Pressure Plot (Psi ² /cycle Gas)	psi/cycle
OF_1	= Maximum Indicated Flow Rate	MCF/D
OF_2	= Minimum Indicated Flow Rate	MCF/D
OF_3	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF_4	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{oi}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls./day
Q_1	= Theoretical Production w./Damage Removed	bbls./day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	
μ	= Viscosity Gas or Liquid	CP
$\log$	= Common log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.

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



FLUID SAMPLE DATA				Date 2-23-77		Ticket Number 008967	
Sampler Pressure 540 P.S.I.G. at Surface Recovery: Cu. Ft. Gas .5 cc. Oil _____ cc. Water 1800 cc. Mud _____ Tot. Liquid cc. 1800				Kind of Job OPEN HOLE STRADDLE Tester MR. HOEFER		Halliburton District FARMINGTON Witness MR. HOLLINGSWORTH #236	
Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY CHLORIDE CONTENT				Drilling Contractor LOFFLAND BROTHERS DRILLING COMPANY EQUIPMENT & HOLE DATA BC S			
Recovery Water .42 @ 77 °F. ppm Recovery Mud 1.79 @ 70 °F. ppm Recovery Mud Filtrate @ 70 °F. ppm Mud Pit Sample 1.79 @ 70 °F. ppm Mud Pit Sample Filtrate @ 70 °F. ppm				Formation Tested Hermosa Elevation 6653' Ft. Net Productive Interval 30' Ft. All Depths Measured From Kelly Bushing Total Depth 8931' Ft. Main Hole/Casing Size 8 3/4" Drill Collar Length 455' I.D. 2" Drill Pipe Length 8009' I.D. 3.826" Packer Depth(s) 8500' - 8506' - 8536' - 8541' Ft. Depth Tester Valve 8479' Ft.			
Mud Weight 9.1 vis 60 Sec. 50 sec.							
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke	
						3/4" ADJ. 3/4"	
Recovered		250 Feet of		Water and gas cut mud			
Recovered		1740 Feet of		Mud and gas cut water			
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks		Bottom packers did not hold...SEE PRODUCTION TEST DATA SHEET.					
TEMPERATURE		Gauge No. 5160		Gauge No. 5115		Gauge No. 105	
		Depth: 8484' Ft.		Depth: 8524' Ft.		Depth: 8927' Ft.	
		12 Hour Clock		24 Hour Clock		24 Hour Clock	
Est. °F.		Blanked Off NO		Blanked Off NO		Blanked Off YES	
Actual 202 °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		4044 4076		4077 4090		4293	
First Period	Flow Initial	257 259		268 283		1155-Q	
	Flow Final	342 361		335 373		950	
	Closed in	3747 3753		3747 3767		4025	
Second Period	Flow Initial	342 361		335 375		747	
	Flow Final	898 906		893 911		1385	
	Closed in	3726 3723		3725 3738		3994	
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic		4002 4028		4033 4046		4234	
		Q = Questionable					

 Legal Location
 Sec. - Twp. - Rng.

 Lease Name
26 - 19 - 5

Field Area

WILDCAT

County

MC KINLEY

State

NEW MEXICO

FEDERAL TINIAN 26

Well No.

Test No.

Tested Interval

DOME PETROLEUM CORPORATION

Lease Owner/Company Name

008967

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 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
1230	AM					On location
0200						Picked up and made up tools
0400						Started in hole
0827						On bottom
0830						Tool opened with a fair to strong blow
						in 5 minutes
0840						Closed tool. Gas to surface after
0845						closing
0915						Opened tool with a weak blow
0920						Opened choke to $\frac{1}{4}$ ", zero PSI
0930						Opened choke to $\frac{1}{8}$ ", $\frac{1}{2}$ PSI 5 MCF
0945						Zero PSI, estimated 3 MCF
1015						Closed tool, estimated 2 MCF
1215						Opened by-pass
1220						Started off bottom. Hit fluid 1990'
0700						Out of hole
						Bottom packers did not hold
						Went in hole to condition
0930						Left location

SPECIAL PRESSURE DATA

Gauge No.		5160		Depth		8484'		Clock No.		14121		12 hour		Ticket No.		008967	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		PSIG Temp. Corr.		Time Defl. .000"		Log $t + \frac{\theta}{\theta}$	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.
0	.0000	259	.0000	361	.0000	361	.0000	906	.0000	3453***							
1	.0204	282	.0132	2636*	.0809	491**	.0470										
2	.0408	303	.0331	3502	.1483	588	.1007	3547	.1007	3547							
3	.0612	323	.0530	3613	.2157	673	.1544	3592	.1544	3592							
4	.0816	344	.0728	3662	.2832	754	.2081	3619	.2081	3619							
5	.1020	361	.0927	3692	.3506	831	.2619	3636	.2619	3636							
6			.1126	3713	.4180	906	.3156	3653	.3156	3653							
7			.1324	3726			.3693	3666	.3693	3666							
8			.1523	3736			.4230	3677	.4230	3677							
9			.1721	3747			.4767	3685	.4767	3685							
10			.1920	3753			.5304	3694	.5304	3694							
11							.5841	3702	.5841	3702							
12							.6379	3706	.6379	3706							
13							.6916	3713	.6916	3713							
14							.7453	3719	.7453	3719							
15							.7990	3723	.7990	3723							

Gauge No.		5115		Depth		8524'		Clock No.		13741		24 hour	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		PSIG Temp. Corr.	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \frac{\theta}{\theta}$
0	.0000	283	.0000	373	.0000	375	.0000	911	.0000	3460***			
1	.0102	301	.0066	2769*	.0399	387**	.0233						
2	.0204	312	.0164	3526	.0731	589	.0499	3555	.0499	3555			
3	.0306	326	.0262	3621	.1063	674	.0765	3599	.0765	3599			
4	.0408	346	.0360	3665	.1395	754	.1032	3628	.1032	3628			
5	.0510	373	.0459	3694	.1728	833	.1298	3648	.1298	3648			
6			.0557	3718	.2060	911	.1564	3663	.1564	3663			
7			.0655	3736			.1830	3676	.1830	3676			
8			.0753	3749			.2096	3687	.2096	3687			
9			.0852	3758			.2363	3698	.2363	3698			
10			.0950	3767			.2629	3705	.2629	3705			
11							.2895	3714	.2895	3714			
12							.3161	3720	.3161	3720			
13							.3428	3727	.3428	3727			
14							.3694	3733	.3694	3733			
15							.3960	3738	.3960	3738			

Reading Interval 3 3 10 8 Minutes

REMARKS: *Interval = 2 minutes **Interval = 12 minutes ***Interval = 7 minutes

Gauge No. 105		Depth 8927'		Clock No. 13830		24 hour		Ticket No. 008967	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0	.0000 1155-Q	.0000		.0000	747	.0000			1385
1	.0092 837-Q	.0063		.0406	969**	.0230			3543***
2	.0184 760-Q	.0159		.0745	1073	.0493			3878
3	.0276 745-Q	.0254		.1084	1170	.0756			3938
4	.0368 754	.0349		.1423	1232	.1019			3957
5	.0460 950	.0444		.1761	1310	.1281			3968
6		.0539		.2100	1385	.1544			3972
7		.0634				.1807			3981
8		.0730				.2070			3983
9		.0825				.2333			3983
10		.0920				.2596			3985
11						.2859			3987
12						.3121			3989
13						.3384			3991
14						.3647			3994
15						.3910			3994

Gauge No.	Depth	Clock No.	hour
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Reading Interval	3	3	10	8	Minutes
REMARKS:	*Interval = 2 minutes **Interval = 12 minutes ***Interval = 7 minutes				
	Q = Questionable				

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2.50"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½"	3.826"	8009'	
Drill Collars	6½"	2"	455'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.89"	8'	8471'
Hydro-Spring Tester	5"	.75"	5'	8479'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.50"	4'	8484'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7½"	1.53"	6'	8500'
Distributor				
Packer Assembly	7½"	1.53"	6'	8506'
Flush Joint Anchor	5 3/4"	2.50"	17'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.50"	4'	8524'
Drill Collars				
Anchor Pipe Safety Joint				
VR Safety joint	5"	1"	3'	
Packer Assembly	7½"	1.53"	5'	8536'
Distributor				
Packer Assembly	7½"	1.53"	5'	8541'
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6½"	2"	32'	
Flush Joint Anchor	5 3/4"	2.50"	15'	
Blanked-Off B.T. Running Case	5 3/4"	3.50"	4'	8927'
Total Depth				8931'