195 I	Off 1/2 Deg.	6205' Off 1/2	Dee
600	1/2		Deg₊
1240	1/2		
1830	1-1/4	6368 1/2	
2090		6395 3/4	
2280	1-1/2	6445 1/2	
	2-3/4	6580 3/4	
2365	2-3/4	6635 1/2	
2460	3-1/2	6710 1/2	
2570	2-1/2	6830 1/4	
2730	2	6935 3/4	
2840	1-3/4	7045 1/2	
3005	1-1/4	7100 1/2	
3190	1/2	7235 1/4	
3375	1/4	7280 1/4	
3500	1/4	7375 1/2	
3645	1/4	7515 3/4	
3850	1/2	7560 3/4	
40 <b>10</b>	1/2	7620 1/2	
4140	1/4	7675 1	
4225	1/4	7715 1-1/	12
4305	1/4	7735 1-1	/1.
4380	0	7765 1-1/	
4600	1/2	7830 0	4
4705	1/4	7845 0	
4810	1/4	7915 1-1/	12
4910	1/4	7935 1-1/	<u>n</u> .
5005	1/2	7965 1-1/	л. Л.
5090	1/2	8050 0	4
5160	ĺ	8095 1-1/	Λ.
5235	1/2	8125 1-1/	
5300	3/4	8170 1	2
5385	3/4	8220 l-1/	12
5465	3/4		<b>C</b> /1.
5545	3/4		4
5650	3/4		2
5740	1/2		4
5825	3/4	8415 1-1/ 8460 1-3/	2
5900	3/4		4
5990	3/4	8515 0	٨
6075	3/4	8560 1-3/	4
6130	3/4	8650 2	<u>۸</u>
	2/4	8750 2-1/	4

## DRILL STEET TESTS

No. 1, 12-2-52 - 1-1/2 Hour Johnston Drill Stem Test from 6275-6400' with 5/8" choke 6251' - Two packers at 6268' and 6275' - Bombs at 6396' and 6398' - Tool opened 5:45 AN 12-2-52 - Medium blow of air 25 minutes then gas too small to measure - Recovered 300' oil and gas cut drilling mud, cut 15% oil, no water - Hydrostatic Pressure 3375# Flowing Pressure 500# - 15 Minute BHP 1600#.

No. 2, 12-3-52 - 3-1/2 Hour Johnston Drill Stem Test from 6400-6514! with 5/8" choke 6379! - Two packers at 6392! and 6400! - Bombs at 6510! and 6512! - Tool opened 8:55 PH 12-3-52 - Gas to surface in 60 minutes, too small to measure, very weak blow throughout test - Recovered 300! fluid, oil and gas cut drilling mud, cut 5% oil, no water - Hydrostatic Pressure 3500% - Flowing Pressure 375% - 15 Minute BHP 625%.

No. 3, 12-5-52 - 1 Hour 15 Minute Johnston Drill Stem Test from 6514-6639! with 5/6 shoke at 6489! - Two packers at 6505! and 6514! - Bombs at 6635! and 6637! - Tool Opened 10:AM 12-5-52 - Medium blow air 45 minutes, decreased to end of test - Recovered 3336! drilling mud gas cut, 26! oil cut mud, cut 2% oil, no water - Hydrostatic Pressure 3100% - Flowing Pressure 1775# - 15 Minute BHP 2725#.

No. 4, 12-7-52 - 2 Hour Johnston Drill Stem Test from 6639-6764' with 5/8" choke at 6618' - Two packers at 6631' and 6639' - Bombs at 6760' and 6762' - Tool opened 1:25 All 12-7-52 - Gas to surface 9 minutes, 27,200 cu. ft. throughout test - Reversed out 9 bbls. 39.5 gravity clean oil, 3 bbls. oil and gas cut drilling mud, cut 30% oil -Recovered 90' oil and gas cut mud in tool, cut 30% oil, no water - Hydrostatic Pressure 3525# - Flowing Pressure 1075# - 15 Hänute BHP 2450#.

No. 5, 12-9-52 - 4 Hour Johnston Drill Stem Test from 6764-6880' with 5/8" choke at 5740' - Two packers at 6756' and 6764' - Bombs at 6876' and 6878' - Tool opened 8:25 TH 12-8-52 - Gas to surface 5 minutes, 286,100 cu. ft. 24 hour rate - Hud to surface hour 19 minutes, mud cut oil in 1 hour 24 minutes - Flowed to pits 6 minutes, thoused to tank 36 bbls. 39 gravity clean oil and 3 bbls. mud in 2-1/2 hours, no water - Recovered 90' oil and gas cut mud, cut 50% oil - Hydrostatic Pressure 3375# thousing Pressure at surface 0-25# - Bottom hole Flowing Pressure 360-630# - 15 Min-

Io, 6, 12-10-52 - 2 Hour Johnston Drill Stem Test from 6879-6993' with 5/8" choke at 5855' - Two packers at 6870' and 6879' - Bombs at 6989' and 6991' - Tool opened 7:40 RA 12-10-52 - Gas to surface in 21 minutes, too small to measure - Recovered 820' fluid, 180' drilling mud, 640' oil and gas cut mud, cut 5% oil, no water - Hydrostatic Pressure 3750# - Flowing Pressure 500-750# - 15 Himute BHP 2750#.

No. 7, 12-22-52 - 1-1/2 Hour Johnston Drill Stem Test from 7720-7832' with 5/8" choke at 7696' - Two packers at 7712' and 7720' - Bombs at 7828' and 7830' - Tool opened 12:15 PH 12-22-52 - Used no blanket - Gas to surface in 10 minutes, too small to reasure - No fluid to surface - Recovered 560' oil and gas cut drilling mud, cut 30% bil - Hydrostatic Pressure 3750<sup>#</sup> - Flowing Pressure 150<sup>#</sup> - 15 limute BHP 550<sup>#</sup>.

No. 8, 12-25-52 - 2 Hour 5 Hinute Johnston Drill Stem Test from 7881-8002' with 5/8" choke at 7857' - Two packers at 7872' and 7881' - Bombs at 7998' and 8000' - Tool opened 10:55 PM 12-25-52 - Gas to surface in 7 minutes, 24 hour rate 781 MCF, Hud to surface in 1 hour, oil in 1 hour 5 minutes - Flowed 37.89 bbls. 39 gravity oil in 1 hour - Pulled 28 stands and reversed out 5 bbls. oil - Recovered 250' oil below pump off sub - Hydrostatic Pressure 3750" - Flowing Pressure 700" - 15 minute BUP 2625".

No. 9, 1-6-53 - 2 Hour Johnston Drill Stem Test from 8655-8780' with 5/8" choke at 8629' - Two packers at 8647' and 8655' - Bombs at 8776' and 8778' - Tool opened 0:25 PM 1-5-53 - Good blow air decreasing to very weak blow at end of test - Recovered 4170' fluid, 360' drilling mud, 630' oil and gas cut mud, cut 50% oil and 3180' 40 gravity clean oil, no water - Hydrostatic Pressure 4375" - Flowing Pressure 800-1600<sup>#</sup> - 15 Hinute BHP 1950<sup>#</sup>.