

15-175-20176

18-35-33 W

FLUID SAMPLE DATA		Date	5-10-72	Ticket Number	443019
Gauging Pressure _____ P.S.I.G. at Surface		Kind of Job	OPEN HOLE	Halliburton District	PERRYTON
Recovery: Cu. Ft. Gas _____		Tester	K. L. GROVES	Witness	JAMES IPSON
cc. Oil _____		Drilling Contractor	SERVICE DRILLING COMPANY SM		
cc. Water _____		EQUIPMENT & HOLE DATA			
cc. Mud _____		Formation Tested	Hugoton		
Tot. Liquid cc. _____		Elevation	2860' 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	2742' Ft.	
Recovery Water _____ @ _____ ° F. _____ ppm			Main Hole/Casing Size	8 3/4"	
Recovery Mud _____ @ _____ ° F. _____ ppm			Drill Collar Length	606' I.D. 2.25"	
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm			Drill Pipe Length	1992' I.D. 3.826"	
Mud Pit Sample _____ @ _____ ° F. _____ ppm			Packer Depth(s)	2621-2627' Ft.	
Mud Weight _____ 9.1 vis _____ 34 cp			Depth Tester Valve	2601' Ft.	

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Cushion			3/8"	3/4"

Recovered	Feet of	Meas. From Tester Valve
Recovered	Feet of	
Recovered	Feet of	
Recovered	Feet of	
Recovered	Feet of	

Remarks MISRUN.....No packer seat

TEMPERATURE	Gauge No. 207		Gauge No. 200		Gauge No.		TIME	
	Depth:	2607 Ft.	Depth:	2738 Ft.	Depth:	Ft.	Tool	A.M.
Est. °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Opened	0245 P.M.
Actual 85°F.	Blanked Off no		Blanked Off yes		Blanked Off		Tool	A.M.
	Pressures		Pressures		Pressures		Closed	0247 P.M.
	Field	Office	Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic	1297	1276	-	1343			Minutes	Minutes
Flow Initial								
Flow Final								
Closed in								
Flow Initial								
Flow Final								
Closed in								
Flow Initial								
Flow Final								
Closed in								
Initial Hydrostatic	1278	1276	-	1343				

Legal Location Sec. - Twp. - Rm. 18 35 33
 Lease Name WILDCAT
 Well No. 1
 Test No. 1
 Test Interval: 2627 - 2742'
 County SEWARD
 State KANSAS
 ASLAND OIL INCORPORATED
 Lease Owner/Company Name

FORMATION TEST DATA

LITTLE'S

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5.75"	2.75"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	1992'	
Drill Collars	6 1/4"	2.25"	606'	
Handling Sub & Choke Assembly	5.75"	1.50"	60"	
Dual CIP Valve	5"	.87"	48.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	2601'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.75"	49.63"	2607'
Hydraulic Jar	5.03"	1.75"	60.00"	
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	5.06"	1.53"	69.73"	2621'
Distributor				
Packer Assembly	5.06"	1.53"	69.73"	2627'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6.25"	2.25"	93'	
Flush Joint Anchor	5.75"	3.75"	22'	
Blanked-Off B.T. Running Case	5.75"	2.50"	4.50'	2738'

FLUID SAMPLE DATA		Date	Ticket Number
Dumpler Pressure <u>25</u> P.S.I.G. at Surface		5-13-72	524990
Recovery: Cu. Ft. Gas	<u>0</u>	Kind of Job	OPEN HOLE
cc. Oil	<u>0</u>	Halliburton District	LIBERAL
cc. Water	<u>2200</u>	Tester	MR. SHAUERS
cc. Mud	<u>0</u>	Witness	MR. IPSON
Tot. Liquid cc.	<u>2200</u>	Drilling Contractor	SERVICE DRILLING RIG #1 BC S
Gravity _____ ° API @ _____ °F.		EQUIPMENT & HOLE DATA	
Gas/Oil Ratio _____ cu. ft./bbl.		Formation Tested	Council Grove
		Elevation	<u>2850'</u> KB Estimated Ft.
		Net Productive Interval	<u>14'</u> approximately Ft.
		All Depths Measured From	Kelly Bushing
		Total Depth	<u>3484'</u> Ft.
		Main Hole/Casing Size	<u>8 3/4"</u>
		Drill Collar Length	<u>690'</u> I.D. <u>2.25"</u>
		Drill Pipe Length	<u>2756'</u> I.D. <u>3.826"</u>
		Packer Depth(s)	<u>3437' - 3442'</u> Ft.
		Depth Tester Valve	<u>3415'</u> Ft.

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Cushion			<u>1/2"</u>	<u>3/4"</u>
Recovered	<u>803</u> Feet of	Muddy salt water		
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			

Remarks See production test data sheet.

TEMPERATURE	Gauge No. 1606		Gauge No. 1605		Gauge No.		TIME	
	Depth:	3416' Ft.	Depth:	3480' Ft.	Depth:	Ft.	Hour Clock	Tool
Est. °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool	A.M.
	Blanked Off No		Blanked Off Yes		Blanked Off		Opened	5:50 P.M.
Actual 90 °F.	Pressures		Pressures		Pressures		Tool	A.M.
	Field	Office	Field	Office	Field	Office	Closed	P.M.
Initial Hydrostatic	1639	1611	1679	1646			Reported	Computed
							Minutes	Minutes
Flow Initial	33	21	66	61				
Flow Final	148	150	199	181			15	16
Closed in	839	851	875	882			75	74
Flow Initial	148	160	199	193				
Flow Final	396	391	432	422			60	60
Closed in	839	844	875	875			150	150
Flow Initial								
Flow Final								
Closed in								
Initial Hydrostatic	1623	1611	1663	1646				

Legal Location Sec. - Twp. - Rng. C - SE - 4 18 - 35 - 33

Lease Name MC DONALD

Well No. 1

Test No. 2

Field Area S. LIBERAL

3442' - 3484'

Tested Interval

County SEWARD

State KANSAS

ASHLAND OIL, INCORPORATED

Lessee Owner/Company Name

Gauge No. 1606

Depth 3416'

Clock No. 3462

Hour

Ticket No. 524990

First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$
0	.0000	21		.0000	160	.0000		.0000	391		
1	.0210	46	.0136	.0413	201	.0137		.0137	702		
2	.0402	74	.0273	.0826	239	.0274		.0274	736		
3	.0630	97	.0409	.1239	272	.0411		.0411	756		
4	.0840	120	.0546	.1652	304	.0548		.0548	767		
5	.1120	150*	.0682	.2065	330	.0685		.0685	775		
6			.0819	.2478	343	.0822		.0822	782		
7			.0955	.2891	356	.0959		.0959	789		
8			.1092	.3304	368	.1096		.1096	793		
9			.1228	.3717	380	.1234		.1234	797		
10			.1365	.4130	391	.1371		.1371	802		
11			.2047			.3152			825		
12			.2730			.4934			834		
13			.3412			.6716			839		
14			.4094			.8498			841		
15			.5050			1.0280			844		

Gauge No. 1605

Depth 3480'

Clock No. 3461

12 hour

First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$
0	.0000	61		.0000	193	.0000		.0000	422		
1	.0206	78	.0134	.0402	233	.0134		.0134	738		
2	.0413	105	.0268	.0804	269	.0269		.0269	769		
3	.0619	128	.0401	.1206	304	.0403		.0403	787		
4	.0825	154	.0535	.1608	336	.0537		.0537	798		
5	.1100	181*	.0669	.2010	362	.0671		.0671	807		
6			.0803	.2412	375	.0806		.0806	815		
7			.0936	.2814	387	.0940		.0940	820		
8			.1070	.3216	399	.1074		.1074	826		
9			.1204	.3618	410	.1208		.1208	829		
10			.1338	.4020	422	.1343		.1343	833		
11			.2007			.3088			856		
12			.2676			.4833			867		
13			.3345			.6579			870		
14			.4013			.8324			875		
15			.4950			1.0070			875		

Recding Interval 3

**

6

Minutes

REMARKS: *Interval = 4 minutes **First 10 intervals = 2 minutes each; next 4 intervals = 10 minutes each; last interval = 14 minutes. ***First 10 intervals = 2 minutes each; last 5 intervals = 26 minutes.

18-35-352

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3.8"	1'	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	2756'	
Drill Collars	6"	2.25"	690'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.87"	7'	
Hydro-Spring Tester	5"	.75"	5'	3415'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	3416'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7½"	1.53"	6'	3437'
Distributor				
Packer Assembly	7½"	1.53"	6'	3442'
Flush Joint Anchor	5"	2.37"	37'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	2.44"	4'	3480'

18-35-33w

FLUID SAMPLE DATA	
Sampler Pressure	10 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas	-
cc. Oil	-
cc. Water	-
cc. Mud	2200
Tot. Liquid cc.	2200
Gravity	° API @ °F.
Gas/Oil Ratio	cu. ft./bbl.
Recovery Water	@ °F. ppm
Recovery Mud	.77 @ 73 °F.
Recovery Mud Filtrate	@ °F. ppm
Mud Pit Sample	@ °F.
Pit Sample Filtrate	.78 @ 75 °F. 3,000 ppm
Mud Weight	9.3 vis 41 cp

Date	5-21-72	Ticket Number	524993
Kind of Job	OPEN HOLE	Halliburton District	LIBERAL
Tester	MR. SHAUERS	Witness	MR. ROPER
Drilling Contractor	SERVICE RIG 9		DR

EQUIPMENT & HOLE DATA	
Formation Tested	Oswego
Elevation	- Ft.
Net Productive Interval	- Ft.
All Depths Measured From	Kelly Bushing
Total Depth	5659' Ft.
Main Hole/Casing Size	8 3/4"
Drill Collar Length	699' I.D. 2.25"
Drill Pipe Length	4881' I.D. 3.826"
Packer Depth(s)	5611'-5616' Ft.
Depth Tester Valve	5594' Ft.

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Cushion			1/4"	3/4"

Recovered	Feet of	Meq. From Tester Valve
15	Feet of drilling mud	
	Feet of	
	Feet of	
	Feet of	
	Feet of	

Remarks Opened tool for 15 minute first flow with a weak blow, dying in 6 minutes. Closed tool for 75 minute first closed in pressure. Reopened tool for 60 minute second flow with no blow. Closed tool for 120 minute second closed in pressure.

TEMPERATURE	Gauge No. 1606		Gauge No. 1605		Gauge No.		TIME	
	Depth:	5595 Ft.	Depth:	5656 Ft.	Depth:	Ft.		
	12 Hour Clock		12 Hour Clock		Hour Clock		Tool	A.M.
*F.	Blanked Off NO		Blanked Off YES		Blanked Off		Opened	P.M.
Actual 118 °F.	Pressures		Pressures		Pressures		Tool	A.M.
	Field	Office	Field	Office	Field	Office	Closed	P.M.
							Reported	Computed
							Minutes	Minutes
Initial Hydrostatic	2838	2724	2868	2752				
First Period Flow	Initial	10	8	33	40			
	Final	16	8	33	40		15	
	Closed in	82	73	100	101		75	
Second Period Flow	Initial	16	17	33	47			
	Final	16	17	33	47		60	
	Closed in	33	33	50	61		120	
Third Period Flow	Initial							
	Final							
	Closed in							
Final Hydrostatic	2806	2704	2835	2731				

Legal Location Sec. - Twp. - Rng. 18-35-33
 Lease Name MC DONALD
 Well No. 1-18
 Test No. 3
 Tested Interval 5616'-5659'
 Field Area SOUTH LIBERAL
 County SEWARD
 State KANSAS
 Lease Owner/Company Name ASHLAND OIL COMPANY

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3.8"	1'	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	4881'	
Drill Collars	6"	2.25"	699'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.87"	7'	
Hydro-Spring Tester	5"	.75"	5'	5594'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	5595'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7½"	1.53"	6'	5611'
Distributor				
Packer Assembly	7½"	1.53"	6'	5616'
Flush Joint Anchor	5"	2.37"	38'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	2.44"	4'	5656'

18-35-33W

FLUID SAMPLE DATA

Sampler Pressure 15 P.S.I.G. at Surface

Gravity: _____ ° API @ _____ °F.

Gas/Oil Ratio _____ cu. ft./bbl.

Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud 2200
 Tot. Liquid cc. _____

RESISTIVITY _____ CHLORIDE CONTENT _____

Recovery Water _____ @ _____ °F. _____ ppm
 Recovery Mud .77 @ 73 °F. _____ ppm
 Recovery Mud Filtrate _____ @ _____ °F. _____ ppm
 Mud Pit Sample _____ @ _____ °F. _____ ppm
 Mud Pit Sample Filtrate .78 @ 75 °F. 2,200 ppm
 Mud Weight 9.3 vis 43 cp

Date 5-23-72 Ticket Number 524994

Kind of Job OPEN HOLE Halliburton District LIBERAL

Tester G. L. SHAUERS Witness BUD ROPER

Drilling Contractor SERVICE RIG # 9 sm

EQUIPMENT & HOLE DATA

Formation Tested Keyes

Elevation _____ Ft.

Net Productive Interval _____ Ft.

All Depths Measured From Kelly bushing

Total Depth 6276' Ft.

Main Hole/Casing Size 8 3/4"

Drill Collar Length 699' I.D. 2.25"

Drill Pipe Length 5518' I.D. 3.826"

Packer Depth(s) 6247-6252' Ft.

Depth Tester Valve 6229' Ft.

TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
Cushion			<u>1/4"</u>	<u>3/4"</u>
Recovered	<u>45</u>	<u>Feet of drilling mud</u>		
Recovered		<u>Feet of</u>		
Recovered		<u>Feet of</u>		
Recovered		<u>Feet of</u>		
Recovered		<u>Feet of</u>		

Remarks Tool opened with a weak blow for 15 minute first flow. Closed tool for 75 minute first closed in pressure. Tool reopened for 60 minute second flow with a weak blow-1/2" under surface in blow bucket.-to 1/4" under surface at the end of 60 minutes. Closed tool for 120 minute second closed in pressure.

TEMPERATURE	Gauge No. <u>1606</u>		Gauge No. <u>1605</u>		Gauge No.		TIME
	Depth: <u>6230</u> Ft.	Depth: _____ Ft.	Depth: <u>6273</u> Ft.	Depth: _____ Ft.	Depth: _____ Ft.	_____ Ft.	
Est. _____ °F.	Blanked Off <u>no</u>		Blanked Off <u>yes</u>		Blanked Off _____		Tool Opened <u>7:30</u> A.M.
Actual <u>113</u> °F.	Pressures		Pressures		Pressures		Tool Closed <u>12:00</u> P.M.
	Field	Office	Field	Office	Field	Office	Reported Minutes
Initial Hydrostatic	<u>3152</u>	<u>3112</u>	<u>3182</u>	<u>3139</u>			_____
Flow	Initial	<u>33</u>	<u>30</u>	<u>49</u>	<u>61</u>		_____
	Final	<u>33</u>	<u>26</u>	<u>49</u>	<u>50</u>		<u>15</u>
Closed in	<u>115</u>	<u>130</u>	<u>133</u>	<u>154</u>			<u>75</u>
Flow	Initial	<u>33</u>	<u>33</u>	<u>49</u>	<u>60</u>		_____
	Final	<u>50</u>	<u>33</u>	<u>66</u>	<u>55</u>		<u>60</u>
Closed in	<u>215</u>	<u>206</u>	<u>232</u>	<u>228</u>			<u>120</u>
Flow	Initial						_____
	Final						_____
Closed in							_____
Initial Hydrostatic	<u>3135</u>	<u>3056</u>	<u>3165</u>	<u>3083</u>			_____

Legal Location Sec. - Twp. - Rng. _____

Lease Name _____

Well No. 1-18

Field Area S. LIBERAL

Test No. 4

Tested Interval 6252-6276'

County STEVENS

State KANSAS

Lease Owner/Company Name ASHLAND OIL INCORPORATED

FORMATION TEST DATA

LITTLE'S

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3.8"	1'	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	5518'	
Drill Collars	6"	2.25"	699'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	7'	
Dual CIP Sampler	5"	.75"	5'	6229'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	6230'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7½"	1.53"	6'	6247'
Distributor				
Packer Assembly	7½"	1.53"	6'	6252'
Flush Joint Anchor	5"	2.37"	19'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	2.44"	4'	6273'

FLUID SAMPLE DATA		Date	Ticket Number
Sampler Pressure	20 P.S.I.G. at Surface	5-24-72	524995
Recovery: Cu. Ft. Gas	.100 of 1 cu. ft	Kind of Job	OPEN HOLE
cc. Oil	-	Halliburton District	LIBERAL
cc. Water	-	Tester	MR. SHAUERS
cc. Mud	550	Witness	MR. ROPER
Tot. Liquid cc.	550	Drilling Contractor	SERVICE RIG # 9 DR S
Gravity	* API @ *F.	EQUIPMENT & HOLE DATA	
Gas/Oil Ratio	cu. ft./bbl.	Formation Tested	Chester
		Elevation	2858' KB Ft.
		Net Productive Interval	Approximately 16' Ft.
		All Depths Measured From	Kelly Bushing
		Total Depth	6341' Ft.
		Main Hole/Casing Size	8 3/4"
		Drill Collar Length	637' I.D. 2.25"
		Drill Pipe Length	5648' I.D. 3.826"
		Packer Depth(s)	6315'-6320' Ft.
		Depth Tester Valve	6297' Ft.

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Cushion			3/4"	3/4"
Recovered	30 Feet of gas cut mud			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			

Remarks SEE PRODUCTION TEST DATA SHEET

NO CALCULATION SERVICE. THE LOW PRODUCTION RATE WOULD INDICATE QUESTIONABLE CALCULATED PARAMETERS.

TEMPERATURE	Gauge No. 1606	Gauge No. 1605	Gauge No.	TIME
	Depth: 6298 Ft.	Depth: 6338 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 9:40 - P.M.
Actual 130 *F.	Pressures	Pressures	Pressures	Tool - A.M.
	Field Office	Field Office	Field Office	Closed 2:10 P.M.
Initial Hydrostatic	3217 3172	3248 3189		Reported Minutes
Flow Initial	50 122	199 282		Computed Minutes
Flow Final	33 41	133 131		
Closed in	1623 1646	1646 1650		
Flow Initial	33 31	100 118		
Flow Final	33 40	83 69		
Closed in	1885 1770	1909 1775		
Flow Initial				
Flow Final				
Closed in				
Initial Hydrostatic	3201	3149	3232 3164	

Legal Location: 18-35-33

Lease Name: MC DONALD

Well No.: 1-18

Test No.: 6

Field Area: SOUTH LIBERAL

County: SEWARD

State: KANSAS

Tested Interval: 6320'-6341'

Lease Owner/Company Name: ASHLAND OIL INCORPORATED

Gauge No. 1606		Depth 6298'		Clock No. 3230		12 hour		Ticket No. 524995	
First Flow Period		Second Flow Period		Third Flow Period		Closed In Pressure		Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
Log $t + \frac{\theta}{\theta}$		Log $t + \frac{\theta}{\theta}$		Log $t + \frac{\theta}{\theta}$		Log $t + \frac{\theta}{\theta}$		Log $t + \frac{\theta}{\theta}$	
0	.000	122	41	.000	31	.000	40		
1	.0202	41	315	.0662	36	.0545	399		
2	.0404	41	544	.1324	38	.1090	685		
3	.0606	41	754	.1986	40	.1635	921		
4	.0808	41	943	.2648	40	.2180	1111		
5	.1010	41	1107	.3310	40	.2725	1262		
6			1246	.4040	40**	.3270	1383		
7			1363			.3815	1482		
8			1461			.4360	1544		
9			1544			.4905	1600		
10			1646*			.5450	1646		
11						.5995	1680		
12						.6540	1711		
13						.7085	1734		
14						.7630	1756		
15						.8180	1770		

Gauge No. 1605		Depth 6338'		Clock No. 25		12 hour			
First Flow Period		Second Flow Period		Third Flow Period		Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.		
Log $t + \frac{\theta}{\theta}$		Log $t + \frac{\theta}{\theta}$		Log $t + \frac{\theta}{\theta}$		Log $t + \frac{\theta}{\theta}$			
0	.000	282	131	.000	118	.000	69		
1	.0188	183	332	.0666	76	.053	453		
2	.0376	154	556	.1332	75	.106	734		
3	.0564	143	759	.1998	73	.159	964		
4	.0752	140	941	.2664	71	.212	1139		
5	.0940	131	1105	.3330	70	.265	1279		
6			1249	.4060	69**	.318	1390		
7			1372			.371	1480		
8			1470			.424	1554		
9			1553			.477	1609		
10			1650*			.530	1651		
11						.583	1684		
12						.636	1715		
13						.689	1737		
14						.742	1758		
15						.795	1775		
Reading Interval 3		7		10		8		Minutes	

REMARKS: * Last interval equal to 11 minutes **-11 minutes.

SPECIAL PRESSURE DATA

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3.8"	1'	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	5648'	
Drill Collars	6"	2.25"	637'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.87"	7'	
Hydro-Spring Tester	5"	.75"	5'	6297'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	6298'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7½"	1.53"	6'	6315'
Distributor				
Packer Assembly	7½"	1.53"	6'	6320'
Flush Joint Anchor	5"	2.37"	16'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	2.44"	4'	6338'