

Company McCoy Petroleum Corporation Lease & Well No. #1 "D" Gates

Elevation ---- Formation ---- Effective Pay ---- Ft. Ticket No. 18328

Date 11/ 15 /82 Sec. 2 Twp. 34S Range 8W County Harper State Kansas

Test Approved by R. L. Smith Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 4470 ft. to 4495 ft. Total Depth 4495 ft.

Packer Depth - ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth - ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) -- ft. Recorder Number 1565 Cap. 4900

Bottom Recorder Depth (Outside) -- ft. Recorder Number 1560 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drlg. Rig #1 Drill Collar Length -- I. D. 2.2 in.

Mud Type ----- Viscosity ----- Weight Pipe Length - I. D. - in.

Weight ----- Water Loss ----- cc. Drill Pipe Length -- I. D. 3.8 in.

Chlorides ----- P.P.M. Test Tool Length -- ft. Tool Size 5 1/2 OD in.

Jars: Make ----- Serial Number --- Anchor Length -- ft. Size 5 1/2 OD in.

Did Well Flow? - Reversed Out - Surface Choke Size -- in. Bottom Choke Size --- in.

Main Hole Size -- in. Tool Joint Size --- in.

MISRUN

Blow: _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

HIT BRIDGES GOING INTO HOLE: SLID THROUGH _OPENED TOOL.

NO PRESSURES AVAILABLE

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____

Initial Hydrostatic Pressure _____ (A) _____ P.S.I.

Initial Flow Period _____ Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.

Initial Closed In Period _____ Minutes _____ (D) _____ P.S.I.

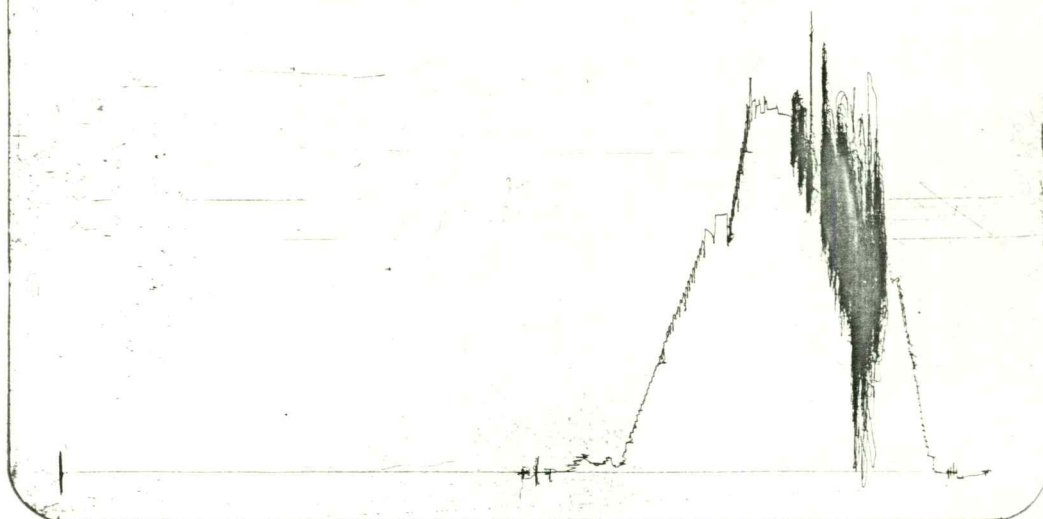
Final Flow Period _____ Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.

Final Closed In Period _____ Minutes _____ (G) _____ P.S.I.

Final Hydrostatic Pressure _____ (H) _____ P.S.I.

TKT 18328

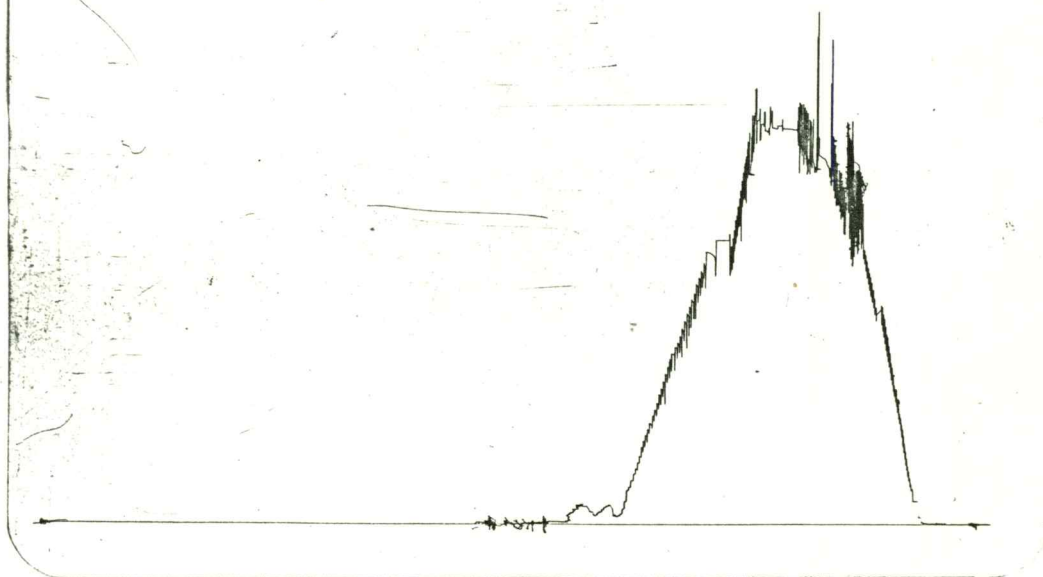
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1560

TKT 18328

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Company McCoy Petroleum Corporation Lease & Well No. #1 "D" Gates
 Elevation ---- Formation Ft. Scott Effective Pay ---- Ft. Ticket No. 18329
 Date 11/ 16/82 Sec. 2 Twp. 34S Range 8W County Harper State Kansas
 Test Approved by R. L. Smith Western Representative Jeff Piotrowski
 Formation Test No. 2 Interval Tested from 4470 ft. to 4495 ft. Total Depth 4495 ft.
 Packer Depth 4465 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4470 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4485 ft. Recorder Number 1565 Cap. 4900
 Bottom Recorder Depth (Outside) 4488 ft. Recorder Number 1560 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Sweetman Drlg. Rig #1 Drill Collar Length 270 I. D. 2.2 in.
 Mud Type starch Viscosity 52 Weight Pipe Length - I. D. - in.
 Weight 9.9 Water Loss 9.6 cc. Drill Pipe Length 4185 I. D. 3.8 in.
 Chlorides N/C P.P.M. Test Tool Length 15 ft. Tool Size 5 1/2 OD in.
 Jars: Make --- Serial Number -- Anchor Length 25 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak building to strong on initial flow period. Strong throughout final flow period.

Recovered 180 ft. of gas cut mud 62% mud; 1% water; 37% gas

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 3:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 120°
 Initial Hydrostatic Pressure 2437 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 220 * P.S.I. to (C) 75 P.S.I.
 Initial Closed In Period 45 Minutes (D) 459 P.S.I.
 Final Flow Period 60 Minutes (E) 83 P.S.I. to (F) 83 P.S.I.
 Final Closed In Period 63 Minutes (G) 831 P.S.I.
 Final Hydrostatic Pressure 2399 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/16/82 Test Ticket No. 18329
 Recorder No. 1565 Capacity 4900 Location 4485 Ft. ---
 Clock No. --- Elevation -- Well Temperature 120 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2437 P.S.I.	12:30A	M
B First Initial Flow Pressure	220 * P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	75 P.S.I.	45 Mins.	45 Mins.
D Initial Closed-in Pressure	459 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	83 P.S.I.	60 Mins.	63 Mins.
F Second Final Flow Pressure	83 P.S.I.		
G Final Closed-in Pressure	831 P.S.I.		
H Final Hydrostatic Mud	2399 P.S.I.		

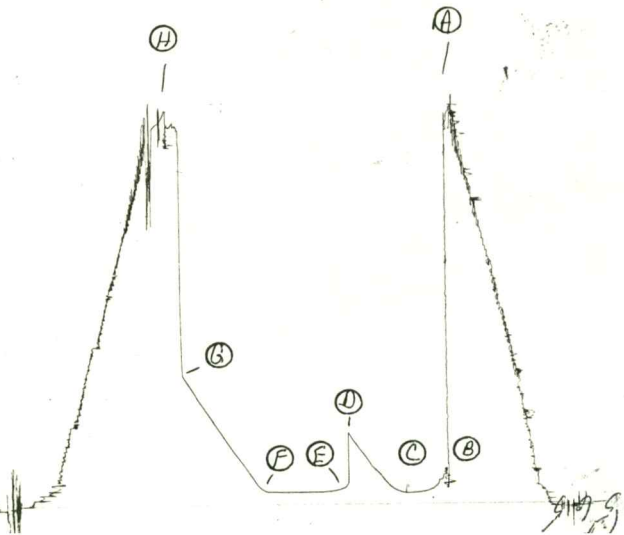
* PRESSURES QUESTIONABLE DUE TO PLUGGING

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	220*	0	75	0	83	0	83
P 2 <u>5</u>	156*	3	79	5	83	3	96
P 3 <u>10</u>	109*	6	89	10	83	6	116
P 4 <u>15</u>	88 *	9	101	15	83	9	150
P 5 <u>20</u>	79 *	12	125	20	83	12	187
P 6 <u>25</u>	75	15	151	25	83	15	222
P 7 <u>30</u>	75	18	185	30	83	18	257
P 8		21	210	35	83	21	296
P 9		24	233	40	83	24	328
P10		27	272	45	83	27	361
P11		30	309	50	83	30	403
P12		33	343	55	83	33	440
P13		36	378	60	83	36	479
P14		39	408			39	514
P15		42	446			42	551
P16		45	459			45	594
P17						48	629
P18						51	668
P19						54	707
P20						57	755
						60	791
						63	831

1565
DST#2

TKT 18329
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Company Mc Coy Petroleum Corporation Lease & Well No. # 1 "D" Gates
 Elevation --- Formation Mississippi Effective Pay --- Ft. Ticket No. 18330
 Date 11/ 17 /82 Sec. 2 Twp. 34S Range 8W County Harper State Kansas
 Test Approved by R. L. Smith Western Representative Jeff Piotrowski
 Formation Test No. 3 Interval Tested from 4655 ft. to 4680 ft. Total Depth 4680 ft.
 Packer Depth 4650 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4655 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4670 ft. Recorder Number 1565 Cap. 4900
 Bottom Recorder Depth (Outside) 4673 ft. Recorder Number 1560 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Sweetman Drilling Rig #1 Drill Collar Length 270 I. D. 2.2 in.
 Mud Type starch Viscosity 52 Weight Pipe Length - I. D. - in.
 Weight 9.8 Water Loss 6 cc. Drill Pipe Length 4370 I. D. 3.8 in.
 Chlorides N/C P.P.M. Test Tool Length 15 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number -- Anchor Length 25 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Fair blow building to strong blow on initial flow period. Strong blow throughout final flow period.

Recovered 1440 ft. of gas in pipe
 Recovered 70 ft. of mud - few oil specks 90% mud; 1% water; 1% oil; 8% gas
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 9:20 ~~P.M.~~ A.M. Time Started Off Bottom 12:35 ~~A.M.~~ P.M. Maximum Temperature 123°
 Initial Hydrostatic Pressure 2581 P.S.I.
 Initial Flow Period 30 Minutes (B) 58 P.S.I. to (C) 58 P.S.I.
 Initial Closed In Period 45 Minutes (D) 762 P.S.I.
 Final Flow Period 60 Minutes (E) 56 P.S.I. to (F) 56 P.S.I.
 Final Closed In Period 60 Minutes (G) 990 P.S.I.
 Final Hydrostatic Pressure 2557 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 11/17/82 Test Ticket No. 18330
 Recorder No. 1565 Capacity 4900 Location 4670 Ft.
 Clock No. --- Elevation -- Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2581</u> P.S.I.	Open Tool	<u>9:20A</u> M	
B First Initial Flow Pressure	<u>58</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>58</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>762</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>56</u> P.S.I.			
G Final Closed-in Pressure	<u>990</u> P.S.I.			
H Final Hydrostatic Mud	<u>2557</u> P.S.I.			

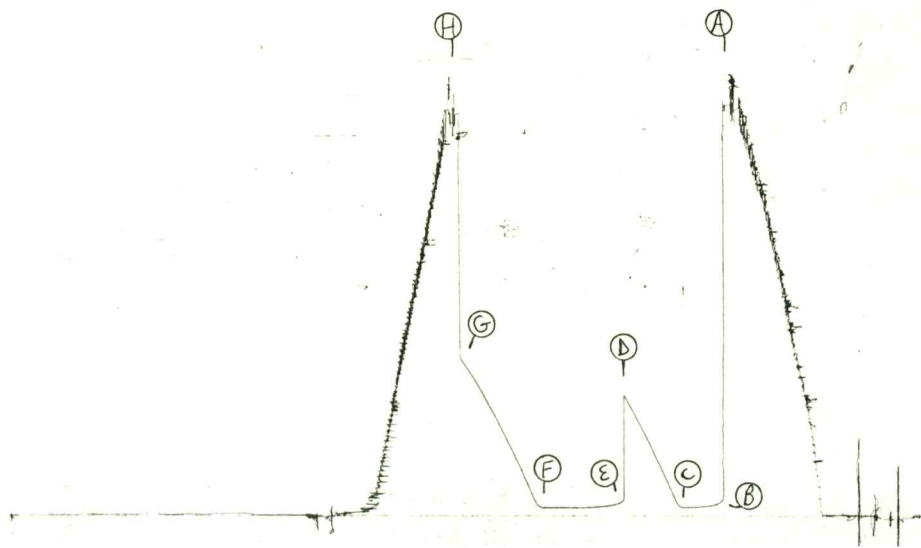
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>58</u>	<u>0</u>	<u>58</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>56</u>
P 2 <u>5</u>	<u>58</u>	<u>3</u>	<u>81</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>74</u>
P 3 <u>10</u>	<u>58</u>	<u>6</u>	<u>130</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>121</u>
P 4 <u>15</u>	<u>58</u>	<u>9</u>	<u>187</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>178</u>
P 5 <u>20</u>	<u>58</u>	<u>12</u>	<u>244</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>235</u>
P 6 <u>25</u>	<u>58</u>	<u>15</u>	<u>295</u>	<u>25</u>	<u>56</u>	<u>15</u>	<u>295</u>
P 7 <u>30</u>	<u>58</u>	<u>18</u>	<u>349</u>	<u>30</u>	<u>56</u>	<u>18</u>	<u>347</u>
P 8		<u>21</u>	<u>401</u>	<u>35</u>	<u>56</u>	<u>21</u>	<u>399</u>
P 9		<u>24</u>	<u>458</u>	<u>40</u>	<u>56</u>	<u>24</u>	<u>452</u>
P10		<u>27</u>	<u>509</u>	<u>45</u>	<u>56</u>	<u>27</u>	<u>502</u>
P11		<u>30</u>	<u>554</u>	<u>50</u>	<u>56</u>	<u>30</u>	<u>552</u>
P12		<u>33</u>	<u>604</u>	<u>55</u>	<u>56</u>	<u>33</u>	<u>601</u>
P13		<u>36</u>	<u>651</u>	<u>60</u>	<u>56</u>	<u>36</u>	<u>651</u>
P14		<u>39</u>	<u>700</u>			<u>39</u>	<u>697</u>
P15		<u>42</u>	<u>745</u>			<u>42</u>	<u>743</u>
P16		<u>45</u>	<u>762</u>			<u>45</u>	<u>787</u>
P17						<u>48</u>	<u>832</u>
P18						<u>51</u>	<u>879</u>
P19						<u>54</u>	<u>916</u>
P20						<u>57</u>	<u>953</u>
						<u>60</u>	<u>990</u>

1565
D7703

TKT # 18330

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Company Mc Coy Petroleum Corporation Lease & Well No. # 1 "D" Gates
Elevation --- Formation Mississippi Effective Pay --- Ft. Ticket No. 18331
Date 11/ 18/82 Sec. 2 Twp. 34S Range 8W County Harper State Kansas
Test Approved by R. L. Smith Western Representative Jeff Piotrowski
Formation Test No. 4 Interval Tested from 4680 ft. to 4720 ft. Total Depth 4720 ft.
Packer Depth 4675 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4680 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4710 ft. Recorder Number 1565 Cap. 4900
Bottom Recorder Depth (Outside) 4713 ft. Recorder Number 1560 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Sweetman Drilling Rig #1 Drill Collar Length 270 I. D. 2.2 in.
Mud Type starch Viscosity 47 Weight Pipe Length - I. D. - in.
Weight 9.7 Water Loss 8.0 cc. Drill Pipe Length 4395 I. D. 3.8 in.
Chlorides N/C P.P.M. Test Tool Length 15 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number -- Anchor Length 40 ft. Size 5 1/2 OD
Did Well Flow? NO Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Fair throughout both flow periods.

Recovered 210 ft. of mud
Recovered 120 ft. of slightly oil and gas cut mud Top : 55% mud;12% water;8% oil;25% gas
Recovered ft. of Bottom: 45% mud;17% water;10% oil;28% gas
Recovered ft. of
Recovered ft. of
Remarks: Packer did not hold first try. Re-set and held

Time Set Packer(s) 1:15 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 4:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 125°
Initial Hydrostatic Pressure 2655 P.S.I.
Initial Flow Period 30 Minutes (B) 225 P.S.I. to (C) 225 P.S.I.
Initial Closed In Period 45 Minutes (D) 1613 P.S.I.
Final Flow Period 60 Minutes (E) 220 P.S.I. to (F) 224 P.S.I.
Final Closed In Period 63 Minutes (G) 1586 P.S.I.
Final Hydrostatic Pressure 2638 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/18/82 Test Ticket No. 18331
 Recorder No. 1565 Capacity 4900 Location 4710 Ft.
 Clock No. -- Elevation --- Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2655	P.S.I.	1:15A	M
B First Initial Flow Pressure	225	P.S.I.	30	Mins.
C First Final Flow Pressure	225	P.S.I.	45	Mins.
D Initial Closed-in Pressure	1613	P.S.I.	60	Mins.
E Second Initial Flow Pressure	220	P.S.I.	60	Mins.
F Second Final Flow Pressure	224	P.S.I.		
G Final Closed-in Pressure	1586	P.S.I.		
H Final Hydrostatic Mud	2638	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	225	<u>0</u>	225	<u>0</u>	220	<u>0</u>	224
P 2 <u>5</u>	225	<u>3</u>	266	<u>5</u>	220	<u>3</u>	238
P 3 <u>10</u>	225	<u>6</u>	366	<u>10</u>	220	<u>6</u>	270
P 4 <u>15</u>	225	<u>9</u>	510	<u>15</u>	220	<u>9</u>	324
P 5 <u>20</u>	225	<u>12</u>	700	<u>20</u>	220	<u>12</u>	386
P 6 <u>25</u>	225	<u>15</u>	925	<u>25</u>	220	<u>15</u>	460
P 7 <u>30</u>	225	<u>18</u>	1126	<u>30</u>	220	<u>18</u>	552
P 8		<u>21</u>	1281	<u>35</u>	220	<u>21</u>	668
P 9		<u>24</u>	1384	<u>40</u>	220	<u>24</u>	797
P10		<u>27</u>	1453	<u>45</u>	220	<u>27</u>	936
P11		<u>30</u>	1498	<u>50</u>	221	<u>30</u>	1071
P12		<u>33</u>	1534	<u>55</u>	222	<u>33</u>	1190
P13		<u>36</u>	1564	<u>60</u>	224	<u>36</u>	1293
P14		<u>39</u>	1586			<u>39</u>	1365
P15		<u>42</u>	1606			<u>42</u>	1415
P16		<u>45</u>	1613			<u>45</u>	1456
P17						<u>48</u>	1487
P18						<u>51</u>	1515
P19						<u>54</u>	1536
P20						<u>57</u>	1554
						<u>60</u>	1570
						<u>63</u>	1586

1565
D>T#4

TKT # 18331

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