

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

3

Company CITIES SERVICE OIL COMPANY

Lease and Well No. SCOTT #B-2

County RICE State KANSAS Date 11-1-64

Formation Test No. #1 Total Depth 3100
 Interval Tested 3057 To 3100 Anchor Length 43'
 Size Hole 7 5/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
 Mud Weight 10.4 Viscosity 47 Bottom Hole Temp. 100 ° F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 7459

RECOVERY

WALK BLOW FOR NINE MINUTES FLUSHED TOOL AT
 TWENTY MINUTES AFTER SECOND OPENING...NO BLOW

20' MUD WITH VERY VERY SLIGHT SHOW OF OIL

Lease and Well No. SCOTT #B-2 20 20 10W C E2 NW NE
 Formation Test No. #1

COMPANY CITILS SERVICE OIL COMPANY DATE 11-1-64LEASE SCOTT WELL NO. B #2 TEST NO. 1 TICKET NO. 7459

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	----	1730
INITIAL CLOSED IN PRESSURE	30 MINS.	618
INITIAL FLOW	5 MINS.	70
FINAL FLOW	60 MINS	78
FINAL CLOSED IN PRESSURE	30 MINS	100
FINAL HYDRO MUD PRESSURE	---	1730

TOTAL DEPTH 3100PACKER DEPTH 3057BT. NO. 905 DEPTH 3095

	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	70	.000	70	.000	73	.000	78
P1	.042	70	.042	92	.083	73	.042	78
P2			.083	142	.167	73	.083	80
P3			.125	262	.250	78	.125	85
P4			.167	415	.333	78	.167	92
P5			.209	547	.416	78	.209	95
P6			.250	6;8	.500	78	.250	100
P7								
P8								
P9								
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

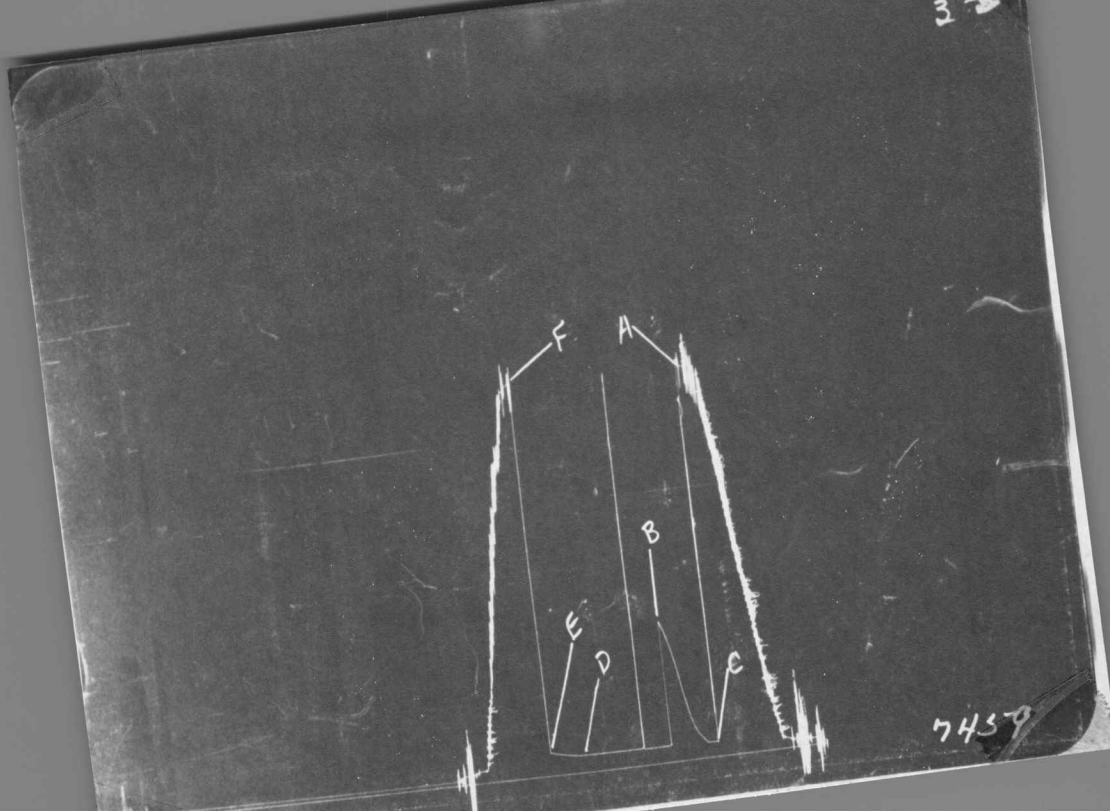
REMARKS _____

SPECIAL PRESSURE DATA

Pressure: Each Square _____ psi

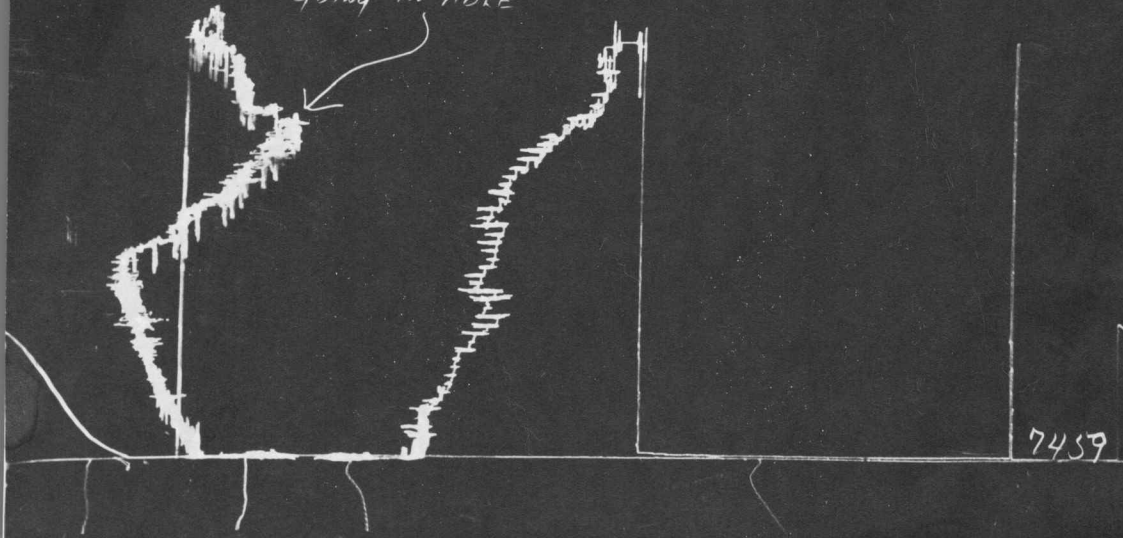
Tool Open: 1st Flow _____ hr. 5 mins: 2nd Flow 1 hr. _____ mins: Shut-in: Initial _____ hr. 30 mins: Final _____ hr. 30 mins.

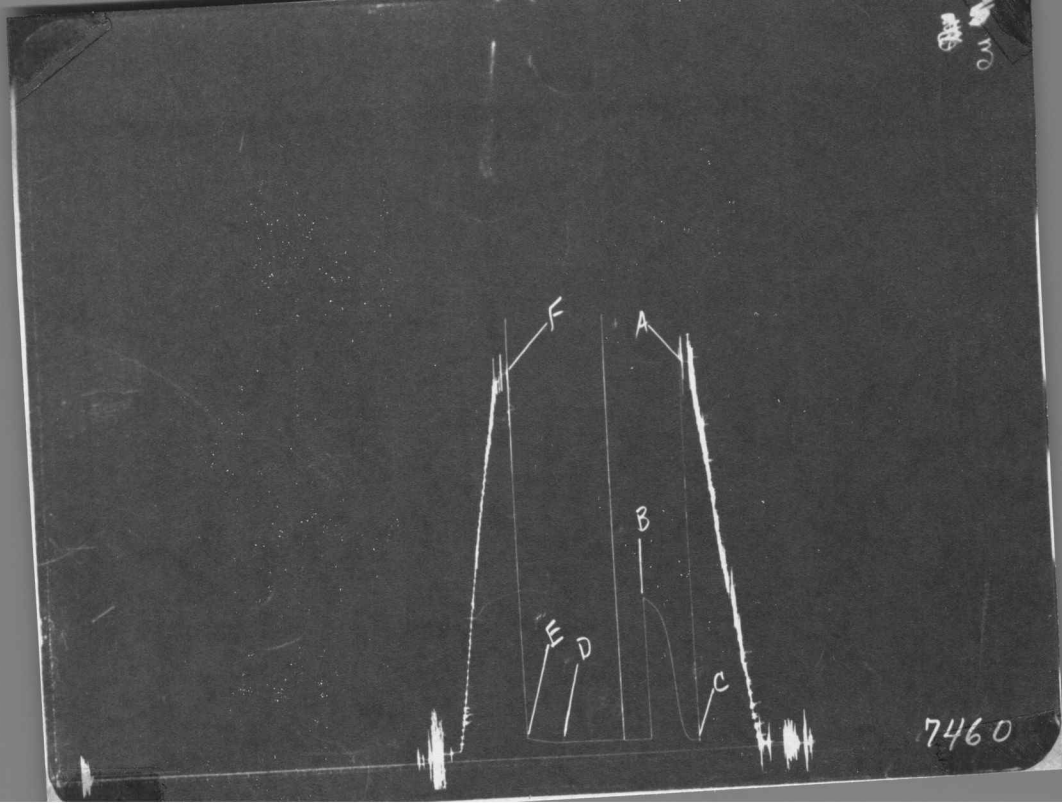
	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1722</u>	<u>1730</u>
(B) Initial Shut-in Pressure	<u>610</u>	<u>618</u>
(C) Initial Flow Pressure	<u>70</u>	<u>70</u>
(D) Final Flow Pressure	<u>77</u>	<u>78</u>
(E) Final Shut-in Pressure	<u>92</u>	<u>100</u>
(F) Final Hydrostatic Pressure	<u>1715</u>	<u>1730</u>



BOTTOM CHART

CLOCK BARREL CAME LOOSE
GOING IN HOLE





Bottom Chart



MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

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Company CITIES SERVICE OIL COMPANY

Lease and Well No. SCOTT #B-2

County RICE State KANSAS Date 11-2-64

Formation Test No. #2 Total Depth 3137

Interval Tested 3099 To 3137 Anchor Length 38'

Size Hole 7 5/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4

Mud Weight 10.2 Viscosity 50 Bottom Hole Temp. 99 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 7460

RECOVERY

WEAK BLOW FOR FIVE MINUTES FLUSHED TOOL AT
TWENTY MINUTES OF SECOND OPENING

10' DRILLING MUD

Lease and Well No. SCOTT #B-2 20 20 10 C E2 NW NE

Formation Test No. #2

COMPANY CITILS SERVICE OIL COMPANY DATE 11-2-64LEASE SCOTT WELL NO. B #2 TEST NO. 2 TICKET NO. 7460

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	---	1730
INITIAL CLOSED IN PRESSURE	30 MINS	698
INITIAL FLOW	5 MINS	47
FINAL FLOW	60 MINS	62
FINAL CLOSED IN PRESSURE	30 MINS	93
FINAL HYDRO MUD PRESSURE	---	1730

TOTAL DEPTH 3137PACKER DEPTH 3099BT. NO. 905 DEPTH 3132

	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	47	.000	47	.000	60	.000	62
P1	.042	47	.042	135	.083	60	.042	62
P2			.083	405	.167	60	.083	66
P3			.125	617	.250	62	.125	70
P4			.167	645	.333	62	.167	77
P5			.209	680	.416	62	.209	85
P6			.250	698	.500	62	.250	93
P7								
P8								
P9								
P10								
	5	MINUTE INTERVAL	5	MINUTE INTERVAL	10	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS _____

SPECIAL PRESSURE DATA

Time: Each Square _____ minutes

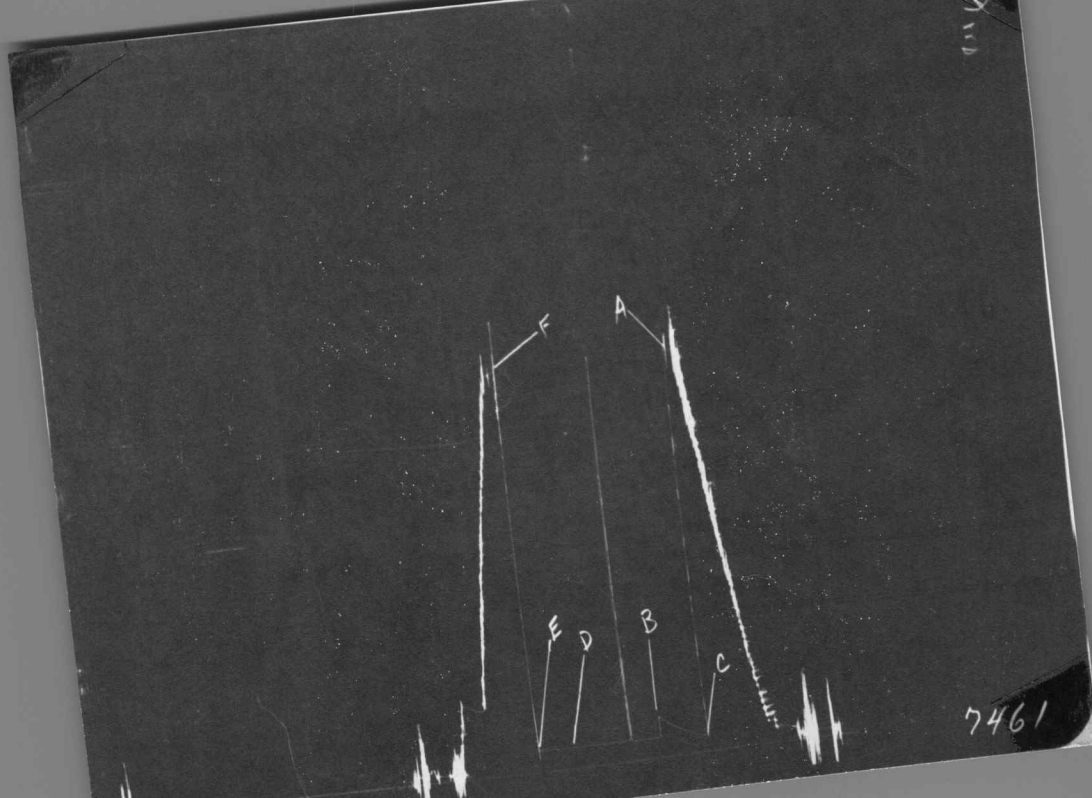
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Pressure: Each Square _____ psi

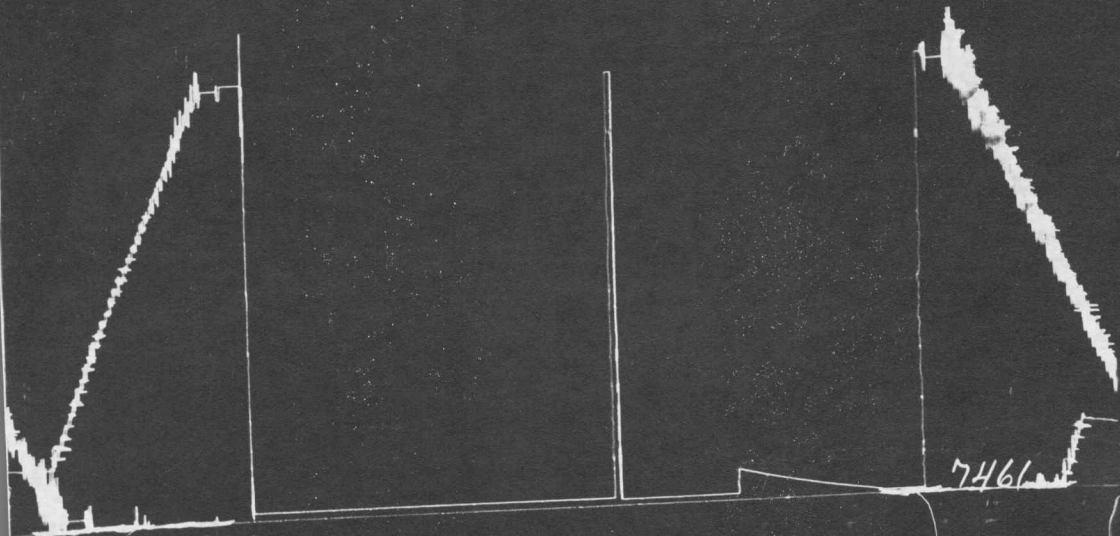
Tool Open: 1st Flow _____ hr. 5 mins: 2nd Flow 1 hr. _____ mins: Shut-in: Initial _____ hr. 30 mins: Final _____ hr. 30 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1724</u>	<u>1730</u>
(B) Initial Shut-in Pressure	<u>695</u>	<u>698</u>
(C) Initial Flow Pressure	<u>47</u>	<u>47</u>
(D) Final Flow Pressure	<u>66</u>	<u>62</u>
(E) Final Shut-in Pressure	<u>85</u>	<u>93</u>
(F) Final Hydrostatic Pressure	<u>1716</u>	<u>1730</u>

7460



Bottom Chart



MILLER TESTING COMPANY

Box 547

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GREAT BEND, KANSAS

Company CITIES SERVICE OIL COMPANY

Lease and Well No. SCOTT #B-2

County RICE State KANSAS Date 11-3-64

Formation Test No. #3 Total Depth 3256

Interval Tested 3170 To 3256 Anchor Length 86'

Size Hole 7 5/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4

Mud Weight 10.2 Viscosity 44 Bottom Hole Temp. 101 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 7461

RECOVERY

WEAK BLOW FOR FIVE MINUTES FLUSHED TOOL AT TWENTY
MINUTES OF SECOND OPENING

15' MUD

Lease and Well No. SCOTT #B-2 20 20 10 CE 2 NW NE Formation Test No. #3

COMPANY CITIES SERVICE OIL COMPANY DATE 11-4-64

LEASE SCOTT WELL NO. B #2 TEST NO. 3 TICKET NO. 7461

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	---	1807
INITIAL CLOSED IN PRESSURE	30 MINS	185
INITIAL FLOW	5 MINS	77
FINAL FLOW	60 MINS	93
FINAL CLOSED IN PRESSURE	30 MINS	100
FINAL HYDRO MUD PRESSURE	---	1800

TOTAL DEPTH 3256

PACKER DEPTH 3170

BT. NO. 905 DEPTH 3251

	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	77	.000	77	.000	88	.000	93
P1	.042	77	.042	85	.083	88	.042	93
P2			.083	100	.167	88	.083	93
P3			.125	120	.250	93	.125	93
P4			.167	135	.333	93	.167	94
P5			.209	158	.416	93	.209	97
P6			.250	185	.500	93	.250	100
P7								
P8								
P9								
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS _____

SPECIAL PRESSURE DATA

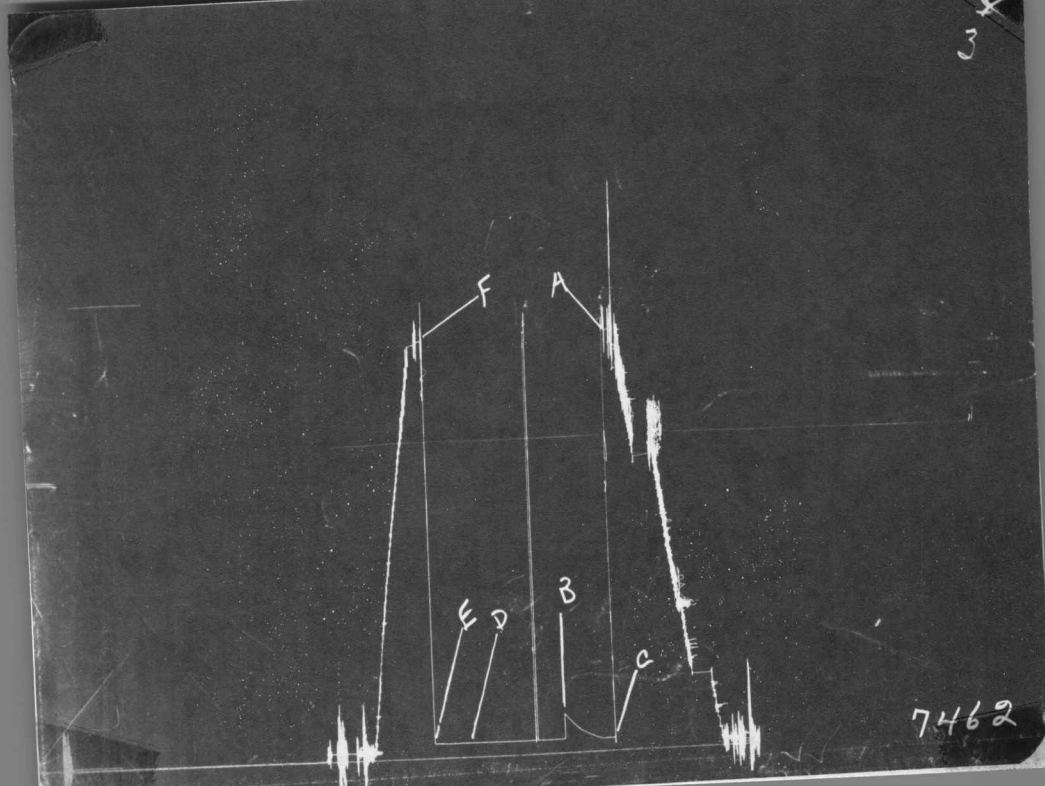
Time: Each Square _____ minutes

3

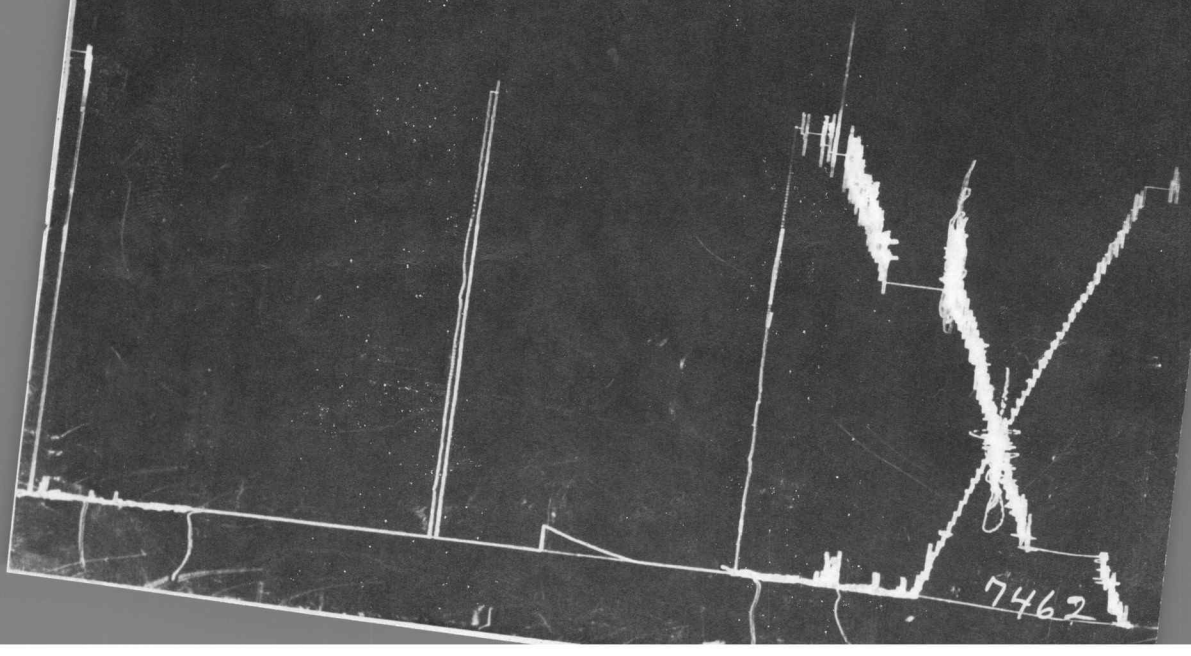
Pressure: Each Square _____ psi

Tool Open: 1st Flow _____ hr. 5 mins: 2nd Flow 1 hr. _____ mins: Shut-in: Initial _____ hr. 30 mins: Final _____ hr. 30 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1790</u>	<u>1807</u>
(B) Initial Shut-in Pressure	<u>177</u>	<u>185</u>
(C) Initial Flow Pressure	<u>77</u>	<u>77</u>
(D) Final Flow Pressure	<u>92</u>	<u>93</u>
(E) Final Shut-in Pressure	<u>92</u>	<u>100</u>
(F) Final Hydrostatic Pressure	<u>1780</u>	<u>1800</u>



Bottom Chart



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GREAT BEND, KANSAS

Company CITIES SERVICE OIL COMPANY

Lease and Well No. SCOTT #B-2

County RICE State KANSAS Date 11-4-64

Formation Test No. #4 Total Depth 3315
 Interval Tested 3292 To 3315 Anchor Length 23'
 Size Hole 7 5/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
 Mud Weight 10.2 Viscosity 42 Bottom Hole Temp. 100 ° F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 7462

RECOVERY

WEAK BLOW FOR FOUR MINUTES....FLUSHED TOOL AT TWENTY
 MINUTES OF SECOND OPENING

5' DRILLING MUD

Lease and Well No. SCOTT #B-2 20 20 10

Formation Test No. #4

COMPANY CITIES SERVICE OIL COMPANY DATE 11-4-64
 LEASE SCOTT WELL NO. B #2 TEST NO. 4 TICKET NO. 7462

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	----	1860
INITIAL CLOSED IN PRESSURE	30 MINS	174
INITIAL FLOW	5 MINS	58
FINAL FLOW	60 MINS	65
FINAL CLOSED IN PRESSURE	30 MINS	70
FINAL HYDRO MUD PRESSURE	----	1830

TOTAL DEPTH 3315
 PACKER DEPTH 3292
 BT. NO. 905 DEPTH 3310

	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	58	.000	58	.000	65	.000	65
P1	.042	58	.042	66	.083	65	.042	65
P2			.083	79	.167	65	.083	65
P3			.125	94	.250	65	.125	65
P4			.167	108	.333	65	.167	65
P5			.209	135	.416	65	.209	65
P6			.250	174	.500	65	.250	70
P7								
P8								
P9								
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

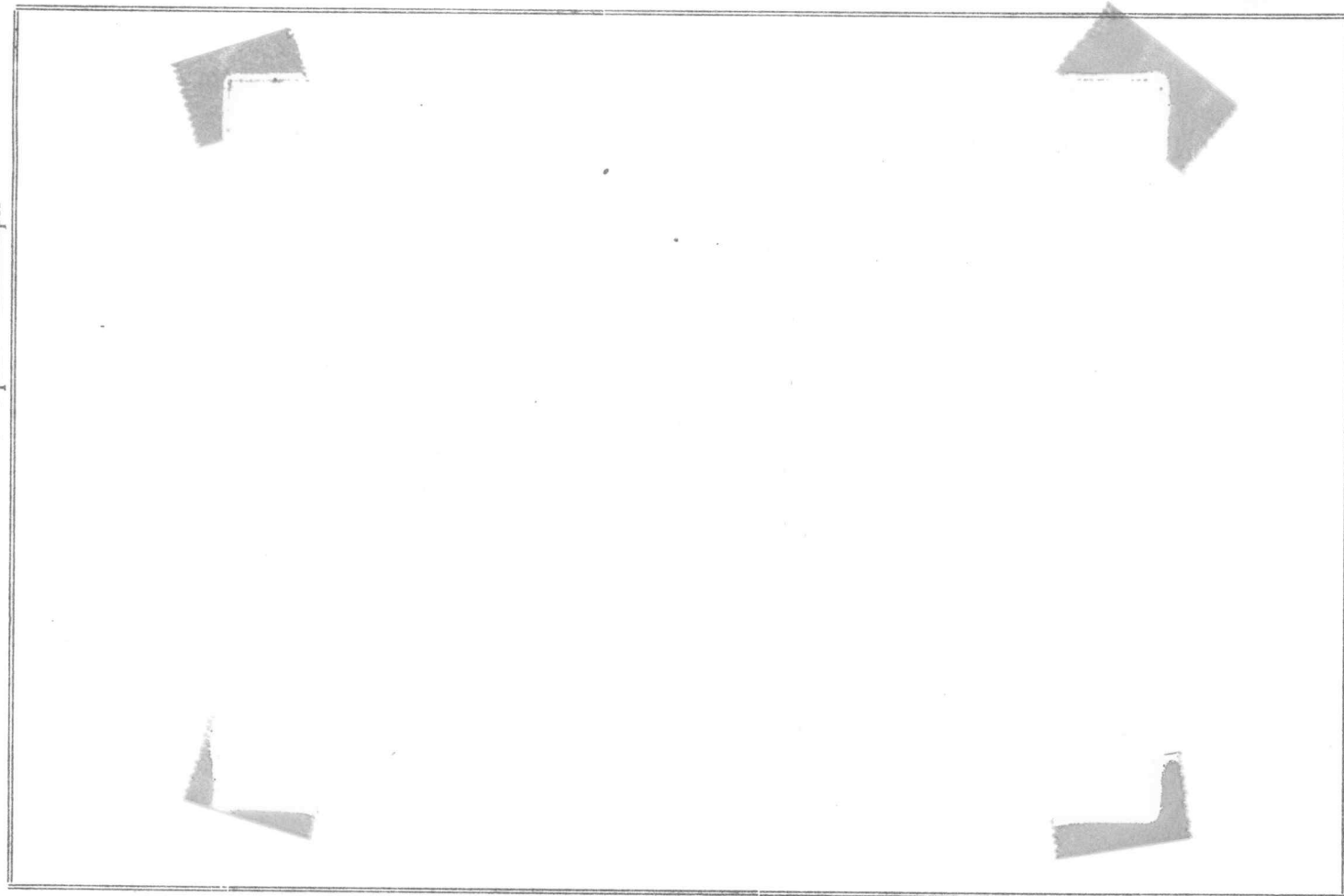
REMARKS _____

SPECIAL PRESSURE DATA

Time: Each Square _____ minutes

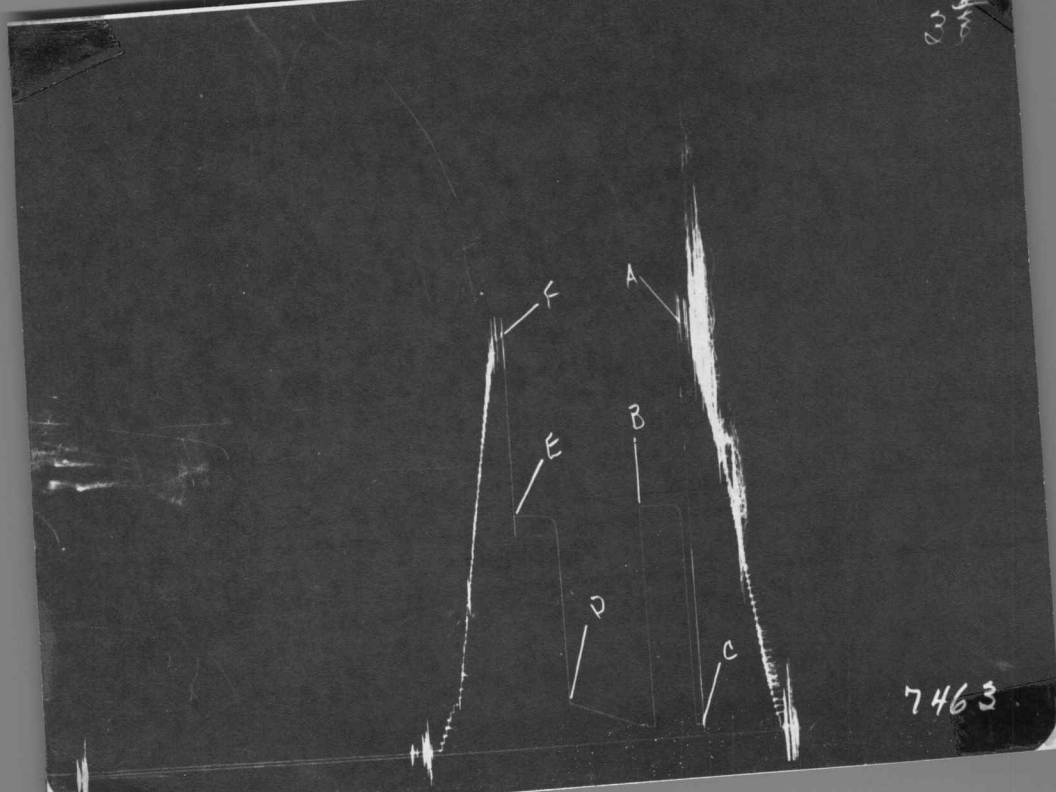
3

Pressure: Each Square _____ psi



Tool Open: 1st Flow _____ hr. 5 mins: 2nd Flow 1 hr. _____ mins: Shut-in: Initial _____ hr. 30 mins: Final _____ hr. 30 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1850</u>	<u>1860</u>
(B) Initial Shut-in Pressure	<u>170</u>	<u>174</u>
(C) Initial Flow Pressure	<u>60</u>	<u>58</u>
(D) Final Flow Pressure	<u>64</u>	<u>65</u>
(E) Final Shut-in Pressure	<u>67</u>	<u>70</u>
(F) Final Hydrostatic Pressure	<u>1830</u>	<u>1830</u>



Bottom Chart



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Company CITIES SERVICE OIL COMPANY

Lease and Well No. SCOTT #B-2

County RICE State KANSAS Date 11-5-64

Formation Test No. #5 Total Depth 3334

Interval Tested 3326 To 3334 Anchor Length 8'

Size Hole 7 5/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4

Mud Weight 10 Viscosity 53 Bottom Hole Temp. 109 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 7463

RECOVERY

GOOD BLOW THROUGHOUT TEST

75' WATERY MUD WITH FEW OIL SPECKS
60' MUDDY WATER WITH FEW OIL SPECKS
240' WATER WITH FEW OIL SPECKS
375' TOTAL FLUID

Lease and Well No. SCOTT #B-2 20 20 10

Formation Test No. #5

COMPANY CITIES SERVICE OIL COMPANY DATE 11-5-64

LEASE SCOTT WELL NO. B-2 TEST NO. 5 TICKET NO. 7463

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	----	1840
INITIAL CLOSED IN PRESSURE	35 MINS	1039
INITIAL FLOW	5 MINS	50
FINAL FLOW	60 MINS	185
FINAL CLOSED IN PRESSURE	30 MINS	1035
FINAL HYDRO MUD PRESSURE	----	1830

TOTAL DEPTH 3334

PACKER DEPTH 3326

BT. NO. 905 DEPTH 3329

	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	50	.000	50	.000	58	.000	185
P1	.042	50	.042	869	.083	70	.042	1023
P2			.083	1035	.167	97	.083	1026
P3			.125	1035	.250	123	.125	1029
P4			.167	1035	.333	144	.167	1035
P5			.209	1038	.416	170	.209	1035
P6			.250	1039	.500	185	.250	1035
P7			.292	1039				
P8								
P9								
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

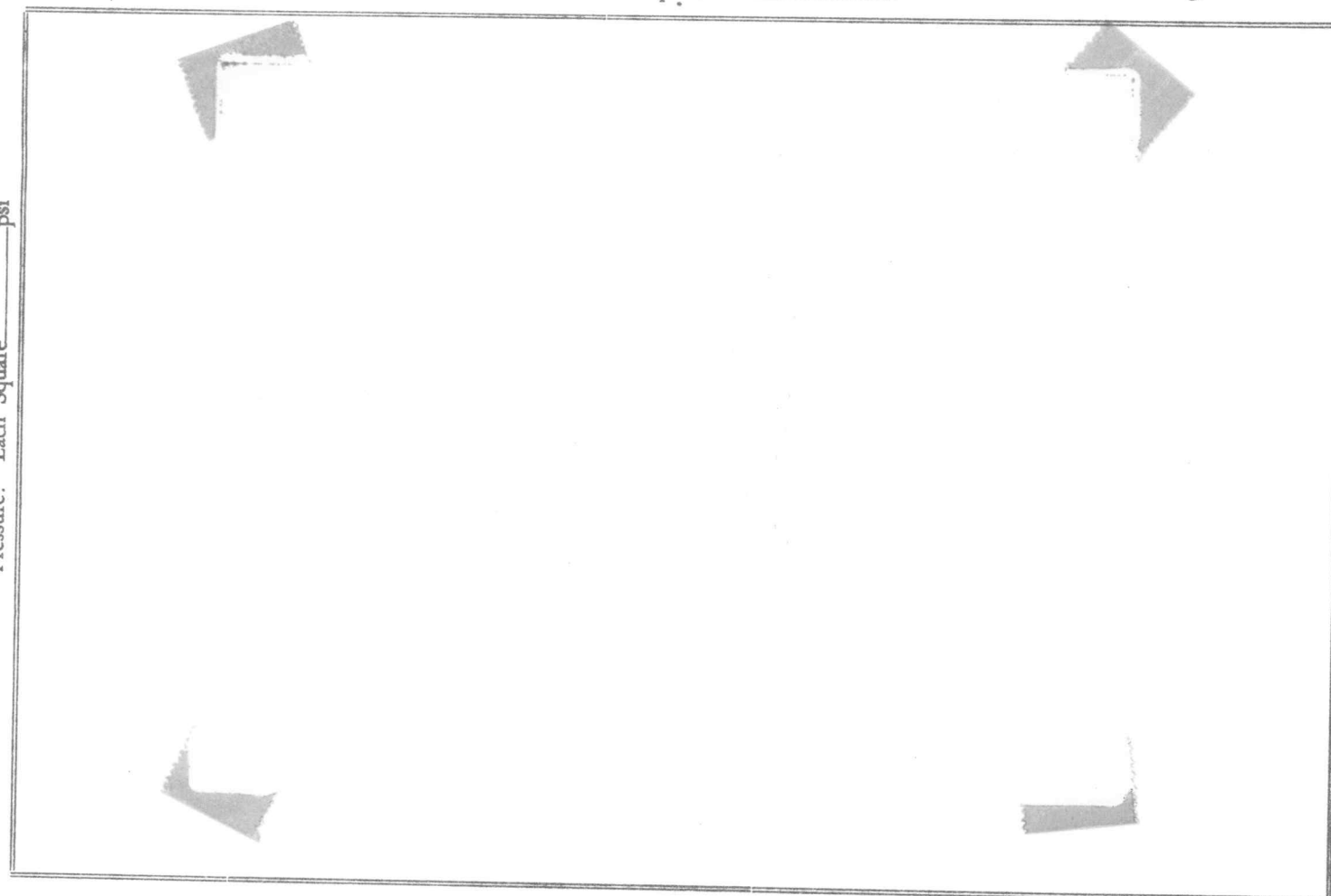
REMARKS _____

SPECIAL PRESSURE DATA

Time: Each Square _____ minutes

3

Pressure: Each Square _____ psi



Tool Open: 1st Flow _____ hr. 5 mins: 2nd Flow 1 hr. _____ mins: Shut-in: Initial _____ hr. 35 mins: Final _____ hr. 30 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1830</u>	<u>1840</u>
(B) Initial Shut-in Pressure	<u>1035</u>	<u>1039</u>
(C) Initial Flow Pressure	<u>50</u>	<u>50</u>
(D) Final Flow Pressure	<u>177</u>	<u>185</u>
(E) Final Shut-in Pressure	<u>1027</u>	<u>1035</u>
(F) Final Hydrostatic Pressure	<u>1830</u>	<u>1830</u>