



DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays, KS 67601

ATTN: Bob Hopkins

Tinkler #1-26

26-15s-1w Saline,KS

Start Date: 2014.12.13 @ 21:50:00

End Date: 2014.12.14 @ 04:50:45

Job Ticket #: 60994 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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**TRILOBITE
TESTING, INC**

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Tengasco, Inc.

26-15s-1w Saline,KS

PO Box 458
Hays, KS 67601

Tinkler #1-26

Job Ticket: 60994

DST#: 1

ATTN: Bob Hopkins

Test Start: 2014.12.13 @ 21:50:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:55:45

Time Test Ended: 04:50:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Phillip Gage

Unit No: 76

Interval: 2582.00 ft (KB) To 2599.00 ft (KB) (TVD)

Reference Elevations: 1249.00 ft (KB)

Total Depth: 2599.00 ft (KB) (TVD)

1242.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8789

Inside

Press@RunDepth: 48.70 psig @ 2583.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.13

End Date:

2014.12.14

Last Calib.: 2014.12.14

Start Time: 21:50:02

End Time:

04:50:45

Time On Btm: 2014.12.14 @ 00:55:30

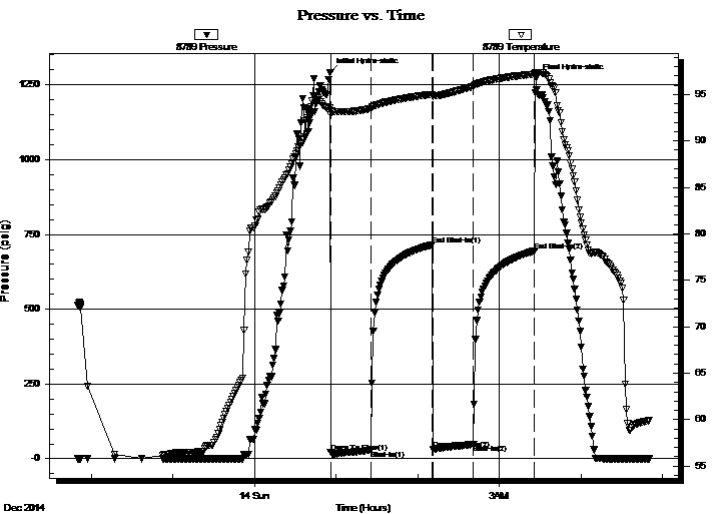
Time Off Btm: 2014.12.14 @ 03:27:00

TEST COMMENT: 30-IF-Built to 2 1/2"

45-ISI-No Return

30-FF-Built to 1"

45-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1291.88	93.53	Initial Hydro-static
1	21.33	92.80	Open To Flow (1)
30	29.79	93.52	Shut-In(1)
75	714.86	95.01	End Shut-In(1)
76	32.35	94.79	Open To Flow (2)
106	48.70	95.87	Shut-In(2)
151	695.06	97.18	End Shut-In(2)
152	1272.63	97.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
78.00	MW, 40%m, 60%w	0.38

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Serial #: 8289 Inside

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Capacity: 8000.00 psig

Start Date: 2014.12.13 End Date: 2014.12.14

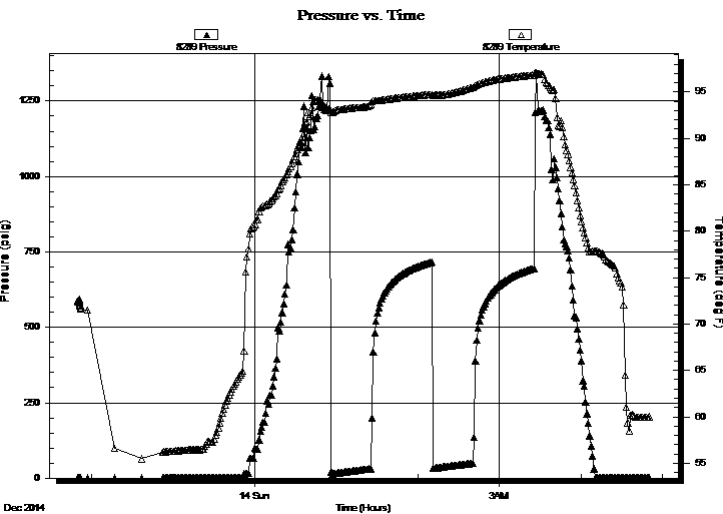
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78.00	MW, 40%m, 60%w	0.38

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DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

26-15s-1w Saline,KS

PO Box 458
Hays, KS 67601

Tinkler #1-26

Job Ticket: 60994

DST#: 1

ATTN: Bob Hopkins

Test Start: 2014.12.13 @ 21:50:00

Tool Information

Drill Pipe:	Length: 2454.00 ft	Diameter: 3.80 inches	Volume: 34.42 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 35.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2582.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2562.00	
Shut In Tool	5.00			2567.00	
Hydraulic tool	5.00			2572.00	
Packer	5.00			2577.00	21.00 Bottom Of Top Packer
Packer	5.00			2582.00	
Stubb	1.00			2583.00	
Recorder	0.00	8289	Inside	2583.00	
Recorder	0.00	6668	Outside	2583.00	
Perforations	13.00			2596.00	
Bullnose	3.00			2599.00	17.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



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FLUID SUMMARY

Tengasco, Inc.

26-15s-1w Saline,KS

PO Box 458
Hays, KS 67601

Tinkler #1-26

Job Ticket: 60994

DST#: 1

ATTN: Bob Hopkins

Test Start: 2014.12.13 @ 21:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
78.00	MW, 40%m, 60%w	0.384

Total Length: 78.00 ft Total Volume: 0.384 bbl

Num Fluid Samples: 0

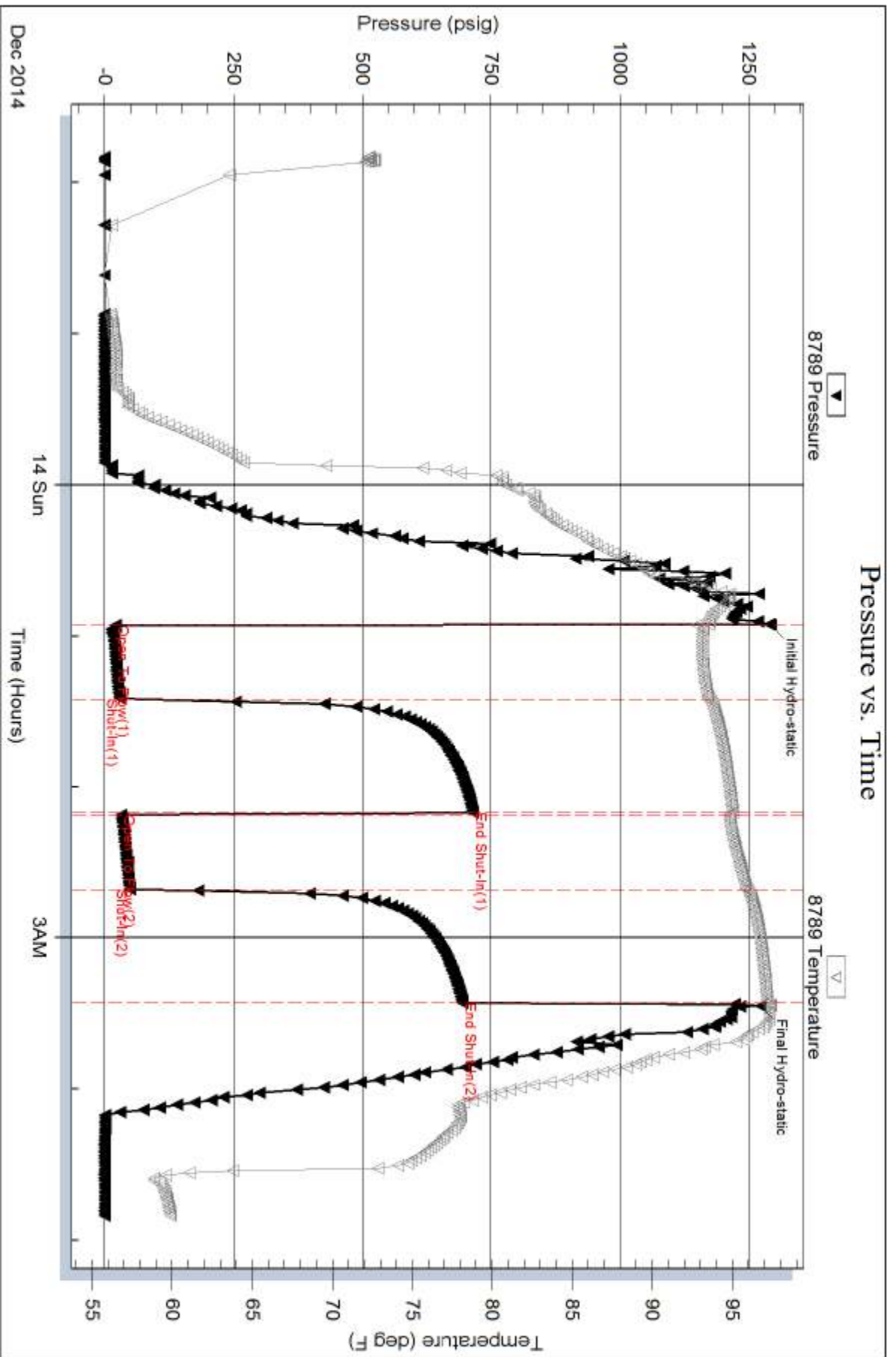
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .36 @ 58 degrees = 38,000 Salinity



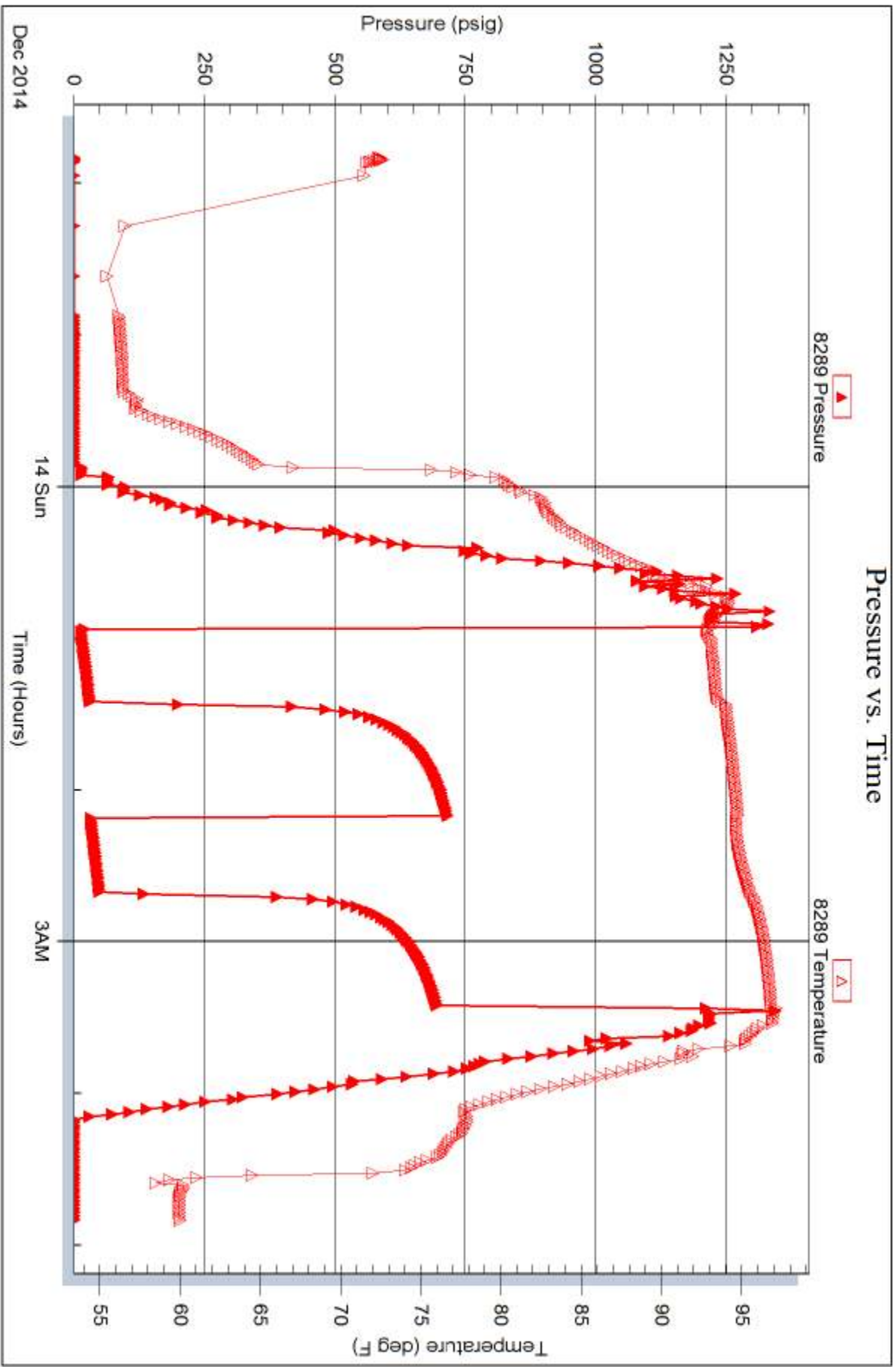
Serial #: 8289

Inside

Tengasco, Inc.

Tinkler #1-26

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60994

Well Name & No. Tinkler #1-26 Test No. 1 Date 12-13-14
 Company Tengasco, Inc Elevation 1249 KB 1242 GL
 Address 1327 Noose RD P.O. Box 458 Hays, KS 67601
 Co. Rep / Geo. Bob Hopkins Rig American Eagle 3
 Location: Sec. 26 Twp. 15s Rge. 1w Co. Saline State KS

Interval Tested 2582-2599 Zone Tested Mississippi
 Anchor Length 17' Drill Pipe Run 2454 Mud Wt. 9.4
 Top Packer Depth 2577 Drill Collars Run 121 Vis 45
 Bottom Packer Depth 2582 Wt. Pipe Run 0 WL 618
 Total Depth 2599 Chlorides 1,800 ppm System LCM 3

Blow Description IF- Buite to 2 1/2" 1500
ISI- No Return
FF- Buite to 1"
FSI- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>78'</u>	<u>MW</u>			<u>60%</u>	<u>40%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 78 BHT 97 Gravity — API RW 136 @ 58° F Chlorides 38,000 ppm

(A) Initial Hydrostatic 1,291 Test 1650 T-On Location 21:45
 (B) First Initial Flow 21 Jars _____ T-Started 21:50
 (C) First Final Flow 29 Safety Joint _____ T-Open 00:56
 (D) Initial Shut-In 714 Circ Sub _____ T-Pulled 03:26
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 04:51
 (F) Second Final Flow 48 Mileage 230 RT XR Comments Loaded Tools on
 (G) Final Shut-In 695 Sampler 356.50+356.50 12-15-14
 (H) Final Hydrostatic 1,272 Straddle _____ **Motel** 11:00am
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 2363.00
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 2363.00

Approved By _____ Our Representative Phil Rose Thank You

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