

Schantz 1-29

29-28s-42w

Superior Testers Enterprises, Inc.

15-187-20837

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 7-6-1996 Location N 1/4 N 1/4 29-28-42w Elevation 3545 M.B. County StaffordCompany Mustang Oil & Gas Corporation Number of Copies 5Charts Mailed to 100 South Main Suite 300 Wichita Kansas 67202Drilling Contractor UAI Drilling Rig #2Length Drill Pipe 4473 I.D. Drill Pipe 4.580 Tool Joint Size 4 1/2" X 1 1/2"Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONELength Drill Collars 585 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"Top Packer Depth 5082 Bottom Packer Depth 5087 Number of Packers 2 Packer Size 6 3/4TESTED FROM 5087 TO 5144 ANCHOR LENGTH 57 TOTAL DEPTH 5144 Hole Size 7 7/8"LEASE & WELL NO. Schantz #1-29 FORMATION TESTED UMS-1 TEST NO. 1Mud Weight 9.3 Viscosity 55 Water Loss 8.9 Chlorides - Pits 400 D.S.T. Maximum Temp. 121 °F Initial Hydrostatic Pressure (A) 2550 P.S.I. Final Hydrostatic Pressure (H) 2436 P.S.I.Tool Open I.F.P. from 3:43 A.M. to 4:15 A.M. 30 minTool Closed I.C.I.P. from 4:15 A.M. to 4:45 A.M. 30 minTool Open F.F.P. from 4:45 A.M. to 5:15 A.M. 30 minTool Closed F.O.I.P. from 5:15 A.M. to 5:45 A.M. 30 minInitial Blow 10 CR blow for 10 minutes F'DIEDFinal Blow no blowTotal Feet Recovered 10

from [B] <u>100</u> P.S.I. to [C] <u>131</u> P.S.I.
[D] <u>175</u> P.S.I.
from [E] <u>175</u> P.S.I. to [F] <u>197</u> P.S.I.
[G] <u>199</u> P.S.I.

12 Feet of <u>Drilling mud no shows</u>	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water

Remarks Extra Equipment - Jars yes Safety Joint yes Extra Packer none Straddle none Hook Wall noneTool Order No. Electron Clock No. 78225 Depth 5137 Cir. Sub none Sampler noneBottom Order No. 11087 Clock No. 47441 Depth 5141 Insurance nonePrice of Job Tool Operator Steve RudyApproved By

NO 11275

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

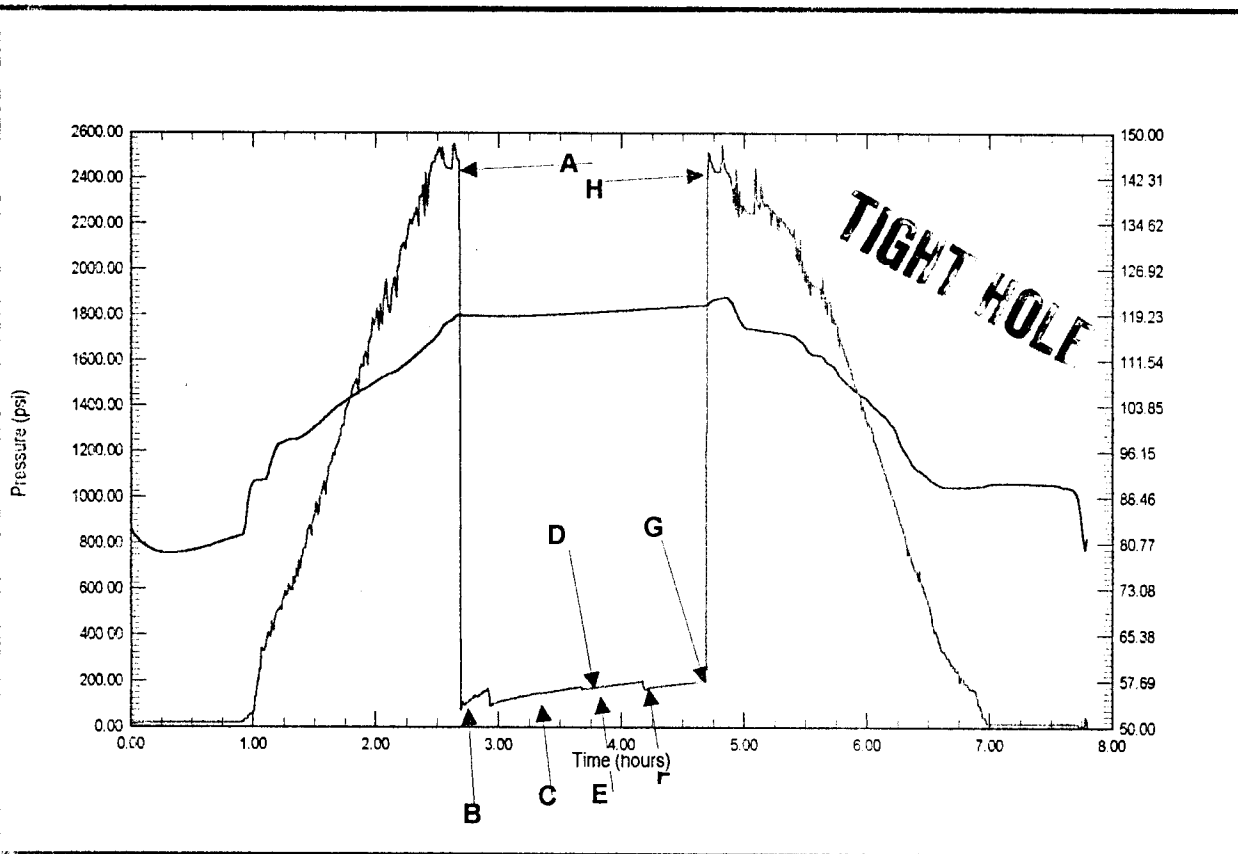
SCHARTZ #1-29 UMS-1

STATE..... KANSAS
COUNTY..... STANTON
FIELD.....

Test Date July 6, 1996
Sec Town Range N/E-N/E-N/E 29-28S-42
Report Number 11275

Company: MUSTANG OIL AND GAS Lease-Well No: SCHARTZ #1-29 Test #: 1 Date: 7-6-1996 Sec. 29 TWP. 28S
RGE. 42W

15-187-20837



Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	2550	psi
(B)	Initial Flow Pressure	100	psi
(C)	Final Initial Flow Pressure	131	psi
(D)	Initial Shut-In Pressure	175	psi
(E)	Initial Final Flow Pressure	175	psi
(F)	Final Flow Pressure	197	psi
(G)	Final Shut-In Pressure	199	psi
(H)	Final Hydrostatic Pressure	2436	psi

RELEASED

OCT 6 1998

FROM CONFIDENTIAL

Mechanical Recorder Depth 5141 ft, Recorder Number 11088

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
Company Name MUSTANG OIL AND GAS CORPORATION
Lease and Well Number SCHATZ #1-29
Formation Tested UMS-1
Test Number 1
State KANSAS
County STANTON
Field
Test Date 6-Jul-96
Section Town Range N/E-N/E-N/E 29-28S-42W
Report Number 11275
Elevation Ground Level 3535
Elevation Kelly Bushings 3545
Company Representative AL HAMMERSMITH
Testing Engineer GNE BUDIG

Extra Equipment

Jars YES
Safety Joint YES
Extra Packs No
Straddle No
Hook Wall No
Sampler YES
Circulating Sub No
Electronic Recorder YES

Well Information

Drilling Contractor VAL DRILLING RIG #2

Drill Pipe Length 4473
Drill Pipe I.D. 3.8
Tool Joint Size 4 1/2 XH

Weight Pipe Length
Weight Pipe I.D. 2.76
Tool Joint Size 4 1/2 X.H.

Drill Collar Length 585
Drill Collar I.D. 2.25
Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 9.20
Viscosity 55.00
Water Loss 8
Chlorides - Pits 400
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Tool Setting Information

Top Packer Depth 5082
Bottom packer Depth 5087
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 5087
Test Interval (to) 5144
Anchor Length 57
Total Depth (ft) 5144
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	121	
Initial Hydrostatic Pressure	2550	
Initial Flow Pressure	100	
Final Initial Flow Pressure	131	
Initial Shut-In Pressure	175	
Initial Final Flow Pressure	175	
Final Flow Pressure	197	
Final Shut-In Pressure	199	
Final Hydrostatic Pressure	2436	
Mechanical Recorder Depth (ft)	5141	
Recorder Number	11088	
Electronic Recorder Depth	5137	
Recorder Number	78225	

Comments

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SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Flow Times

Initial Open

Tool Open (from) 3:45
 Tool Open (to) 4:15
 Duration (min) 30

Initial Shut-in

Tool Closed (from) 4:15
 Tool Closed (to) 4:45
 Duration (min) 30

Final Open

Tool Open (from) 4:45
 Tool Open (to) 5:15
 Duration (min) 30

Final Shut-in

Tool Closed (from) 5:15
 Tool Closed (to) 5:45
 Duration (min) 30

Recovery Description

Initial Blow VERY WEAK BLOW FOR 10 MINUTES AND DIED

Final Blow NO BLOW

Description	Fest of Recovery	% Gas	% Oil	% Mud	% Water
1) mud	10	0	0	100	0
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	10				

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Sample Chamber

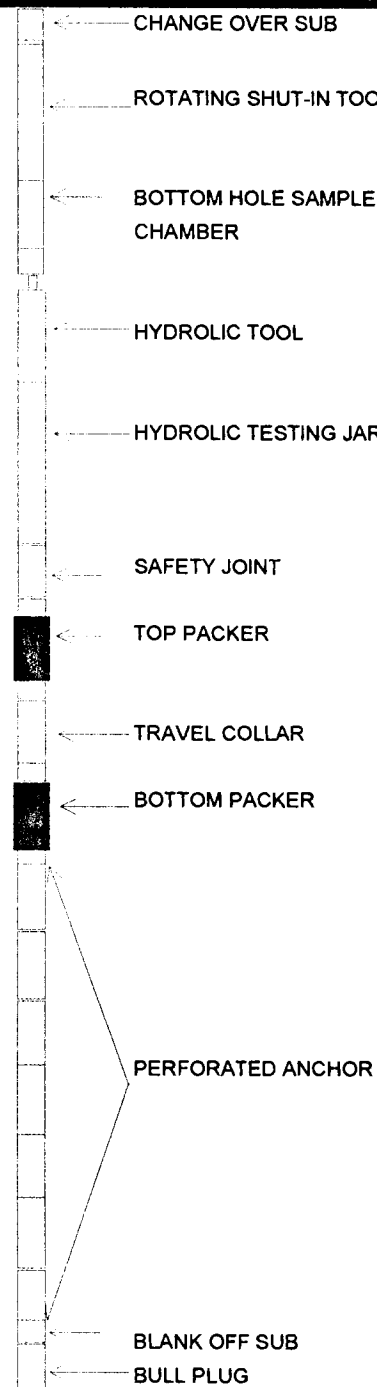
Oil (cc) few specks
Water (cc) 0
Mud (cc) 2200
Gas Volume (cc) 0
Total Volume (cc) 0
Sampler Capacity (cc) 2200
Sample Pressure (psig) 55

SUPERIOR TESTERS ENTERPRISES INC.

EQUIPMENT DATA

	O.D.	I.D.	LENGTH	DEPTH	
DRILL PIPE	4.50	3.83	4473.00		← CHANGE OVER SUB
WEIGHT PIPE	4.50	2.76			← ROTATING SHUT-IN TOOL
CIRCULATING SUB	5.50	3.00	1.00		
DRILL COLLARS	6.50	2.25	585.00		
CHANGE OVER SUB	5.50	3.00	0.75		← BOTTOM HOLE SAMPLE CHAMBER
SHUT-IN TOOL	3.50	0.87	6.00		
BOTTOM HOLE SAMPLER	3.50	0.87	2.00		
HYDROLIC TOOL	3.50	0.87	5.00		← HYDROLIC TOOL
HYDROLIC TESTING JARS	3.50	1.75	7.00		
SAFETY JOINT	3.50	1.75	2.00		
TOP PACKER	6.75	1.53	5.00	5083	← HYDROLIC TESTING JARS
BOTTOM PACKER	6.75	1.53	5.00	5087	
FLUSH JOINT ANCHOR	5.50	4.50	53.00		
BLANKED OFF SUB	5.50	4.50	1.00		
BULL PLUG	5.50	4.50	3.00	5144	← SAFETY JOINT

REMARKS



Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 7-7-1996 Location N/E N/E N/E 29-28-42" Elevation 353561 County Stanton

Company Mustang Oil & Gas Corporation Number of Copies 5

Charts Mailed to 100 South Main Suite 300 Wichita Kansas 67202

Drilling Contractor UAL Drilling Rig #2

Length Drill Pipe 5472 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 585 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 5081 Bottom Packer Depth 5086 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 5086 TO 5185 ANCHOR LENGTH 99 TOTAL DEPTH 5185 Hole Size 7 7/8"

LEASE & WELL NO. Schertz #1-29 FORMATION TESTED NORROCK TEST NO. 2

Mud Weight 9.1 Viscosity 55 Water Loss 8.9 Chlorides - Pits 400 D.S.T.

Maximum Temp. 123 °F Initial Hydrostatic Pressure (A) 2543 P.S.I. Final Hydrostatic Pressure (H) 2421 P.S.I.

Tool Open I.F.P. from 12:00 AM to 12:30 AM 30 min

Tool Closed I.C.I.P. from 12:30 AM to 1:00 AM 30 min

Tool Open F.F.P. from 1:00 AM to 1:30 AM 30 min

Tool Closed F.C.I.P. from 1:30 AM to 2:00 AM 30 min

Initial Blow DEEP WORK SURFACE BLOW FOR 12 MINUTES & DIED

Final Blow NO BLOW

Total Feet Recovered 10 Gravity of Oil Corrected

<u>10</u> Feet of <u>Drilling Mud</u>	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water
Feet of	% Gas	% Oil	% Mud	% Water

Remarks

Extra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. Electronic Clock No. 78225 Depth 5178 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11088 Clock No. 47441 Depth 5182 Insurance NONE

Price of Job

Tool Operator Gene Dwyer

Approved By

No 11276

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SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

SCHARTZ #1-29 MORROW

STATE..... KANSAS

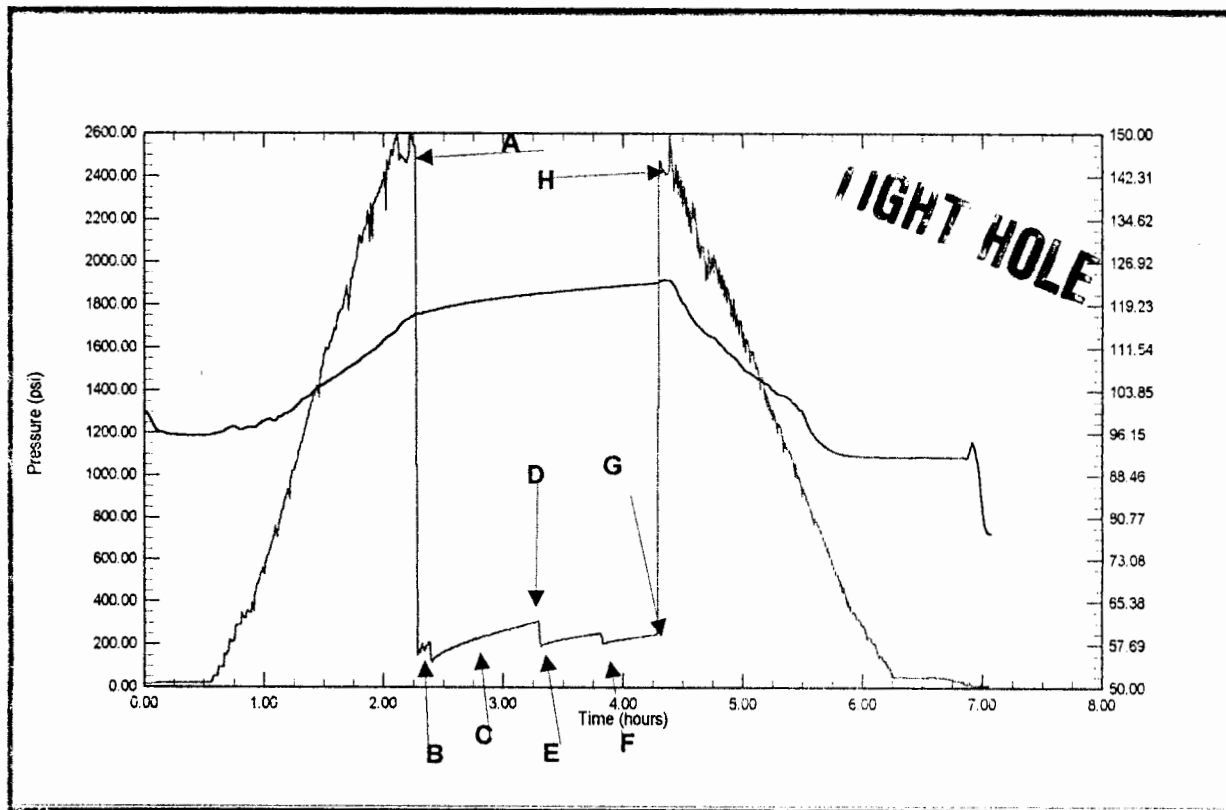
Test Date July 7, 1996

COUNTY..... STANTON

Sec Town Range N/E-N/E-N/E 29-28S-42W

FIELD.....

Report Number 11276



Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	2543	psi
(B)	Initial Flow Pressure	145	psi
(C)	Final Initial Flow Pressure	227	psi
(D)	Initial Shut-In Pressure	306	psi
(E)	Initial Final Flow Pressure	191	psi
(F)	Final Flow Pressure	209	psi
(G)	Final Shut-In Pressure	27	psi
(H)	Final Hydrostatic Pressure	2321	psi

RELEASED

OCT 6 1998

FROM CONFIDENTIAL

Mechanical Recorder Depth 5182 ft, Recorder Number 11088

15-187-20837

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
Company Name MUSTANG OIL AND GAS CORPORATION
Lease and Well Number SCHARTZ #1-29
Formation Tested MORROW
Test Number 2
State KANSAS
County STANTON
Field
Test Date 7-Jul-96
Section Town Range N/E-N/E-N/E 29-28S-42W
Report Number 11276
Elevation Ground Level 3535
Elevation Kelly Bushings 3545
Company Representative AL HAMMERSMITH
Testing Engineer GENE BUDIG

Extra Equipment

Jars YES
Safety Joint YES
Extra Packs No
Straddle No
Hook Wall No
Sampler YES
Circulating Sub No
Electronic Recorder YES

Well Information

Drilling Contractor VAL DRILLING

Drill Pipe Length 4472
Drill Pipe I.D. 3.8
Tool Joint Size 4 1/2 XH

Weight Pipe Length
Weight Pipe I.D. 2.76
Tool Joint Size 4 1/2 X.H.

Drill Collar Length 585
Drill Collar I.D. 2.25
Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 9.10
Viscosity 55.00
Water Loss 8.0
Chlorides - Pits 400
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-8802

Tool Setting Information

Top Packer Depth 5081
Bottom packer Depth 5086
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 5086
Test Interval (to) 5185
Anchor Length 99
Total Depth (ft) 5185
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	123	
Initial Hydrostatic Pressure	2543	
Initial Flow Pressure	145	
Final Initial Flow Pressure	227	
Initial Shut-In Pressure	306	
Initial Final Flow Pressure	191	
Final Flow Pressure	209	
Final Shut-In Pressure	27	
Final Hydrostatic Pressure	2321	
Mechanical Recorder Depth (ft)	5182	
Recorder Number	11088	
Electronic Recorder Depth	5178	
Recorder Number	78225	

Comments

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Sample Chamber

Oil (cc) 0
Water (cc) 0
Mud (cc) 2200
Gas Volume (cc) 0
Total Volume (cc) 2200
Sampler Capacity (cc) 2200
Sample Pressure (psig) 43

SUPERIOR TESTERS ENTERPRISES INC.

EQUIPMENT DATA

	O.D.	I.D.	LENGTH	DEPTH	
DRILL PIPE	4.50	3.83	4472.00		CHANGE OVER SUB
WEIGHT PIPE	4.50	2.76			ROTATING SHUT-IN TOOL
CIRCULATING SUB	5.50	3.00	1.00		
DRILL COLLARS	6.50	2.25	585.00		
CHANGE OVER SUB	5.50	3.00	0.75		BOTTOM HOLE SAMPLE CHAMBER
SHUT-IN TOOL	3.50	0.87	6.00		
BOTTOM HOLE SAMPLER	3.50	0.87	2.00		
HYDROLIC TOOL	3.50	0.87	5.00		
HYDROLIC TESTING JARS	3.50	1.75	7.00		HYDROLIC TOOL
SAFETY JOINT	3.50	1.75	2.00		
TOP PACKER	6.75	1.53	5.00	5051	
BOTTOM PACKER	6.75	1.53	5.00	5036	HYDROLIC TESTING JARS
FLUSH JOINT ANCHOR	5.50	4.50	95.00		
BLANKED OFF SUB	5.50	4.50	1.00		
BULL PLUG	5.50	4.50	3.00	5135	
REMARKS					SAFETY JOINT
					TOP PACKER
					TRAVEL COLLAR
					BOTTOM PACKER
					PERFORATED ANCHOR
					BLANK OFF SUB
					BULL PLUG