

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs
HOBBS OCD

FORM APPROVED
OMB No 1004-0137
Expires October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

MAY 17 2012

RECEIVED

SUBMIT IN TRIPLICATE – Other instructions on page 2

1 Type of Well

☒ Oil Well

☐ Gas Well

☒ Other

2 Name of Operator

THREE RIVERS OPERATING CO., LLC

3a Address

1122 S CAPITAL OF TEXAS HWY, #325
AUSTIN, TX 78746

3b Phone No (include area code)

512-706-9849

4 Location of Well (Footage, Sec, T., R., M., or Survey Description)

L-11-20S-34E

5 Lease Serial No
NM-0631

6 If Indian, Allottee or Tribe Name

7 If Unit of CA/Agreement, Name and/or No

8 Well Name and No
FEDERAL 11 20 34 #003

9 API Well No
30-025-30424

10 Field and Pool or Exploratory Area
LEA; BONE SPRING (37570)

11 County or Parish, State
LEA COUNTY, NM

12 CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☒ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13 Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Three Rivers Operating Company, LLC plans to cement squeeze the 3rd Bone Spring at 10,860' - 10,870' & 10,912' - 10,922' in order to drill and complete the Tiger 11 Federal #1H well.

Procedure is attached.

Under 43 CFR 3162.3-2

only a Subsequent Report
Required



14 I hereby certify that the foregoing is true and correct Name (Printed/Typed)

TOM STRATTON

Title OPERATIONS MANAGER

Signature

Date 05/10/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

MAY 18 2012

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

THREE RIVERS OPERATING CO LLC

FED 11-20-34 WELL #3

API # 30-025-30424

SEC 11-20S-34E

LEA FIELD

LEA CO NM

PURPOSE: PREP WELL FOR DRILLING OF TIGER 11 #1H
 PLUG BACK 3RD BONES SPRINGS 10,860-70' & 10,912-22'
 RUN GYRO DIRECTIONAL SURVEY FROM 100' TO 10,799' PBTD

PROCEDURE:

PREP LOCATION, TEST ANCHORS

MIRU WORKOVER RIG

UNSEAT RODS & PUMP; PULL OUT OF HOLE (R&R PUMP)

NIPPLE UP BOP; DUMP WATER DOWN TBG/CSG IF NEEDED

RELEASE TAC & PULL TBG OOH TAC @ 9399'; SN @ 10937'

 SCANALOG TBG OOH

RIG UP WIRELINE

 RIH WITH GAUGE RING TO 11,000' +/-

 RUN SCIENTIFIC GYRO DIRECTIONAL SURVEY FROM 100' TO 11000' +/-

 RIH & SET CMT RETAINER @ 10,840'

RIH WITH TBG & STING INTO CMT RETAINER @ 10,840'

SPEAR HEAD ACID & ESTABLISH INJECTION RATE

CMT SQUEEZE EXISTING 3RD BONE SPRINGS PERFS 10860-922' WTH 200 SX

 STING OUT OF RETAINER AND REVERSE CIRCULATE OUT.

LAY DOWN 500' 2-3/8" TBG PULL REST OF TBG OOH

RIH WITH TBG, TAC, SN, BHA & SET SN @ 10,400'; SET TAC @ 9233'

NIPPLE DOWN BOP

RIG WITH RODS AND PUMP

RETURN WELL TO PRODUCTION

WELL: Federal 11-20S-34E #3 SPUD DATE: 4/7/1988 LSE #: 021697
COUNTY: Lea FIELD: Lea
STATE: NM COMP DATE: 7/7/1988 LOCATION: SW/4 11-20S-34E
API #: 30-025-30424 FORMATION: Bone Spring
TD: 13348' PBD: 12840' (2/25/05) ELEVATION: 3654' KB

13 375" @ 875'

TUBING & CASING RECORD

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
13 375	54 50#	J55	ST&C	Surf	---	7	17 250	760	Surf
13 375	48 00#	H40	ST&C	---	---	11	---	---	---
13 375	54 50#	J55	ST&C	---	876'	3	---	---	---
9 625	40 00#	J55	ST&C	Surf	---	11	12 250	275/2100	Surf (DV)
9 625	36 00#	J55	ST&C	---	---	78	---	---	---
9 625	53 50#	N80	LT&C	---	5159'	2	---	---	---
7 000	20 00#	K55	ST&C	Surf	5,171'	---	7 875"	750	---
4 500	11 60#	N80	LT&C	Surf	---	136	7 875"	580	12380
4 500	11 60#	N80	BUTT	---	---	52	D V tool	510	above
4 500	13 50#	N80	LT&C	---	---	103	---	---	6000
4 500	13 50#	N80	BUTT	---	13349'	31	---	---	(CBL)
2 375	4 70#	N80	EUE	Surf	11007'	333	---	---	---

PERFORATION RECORD

DATE	TOP	BOTTOM	JSPF	ZONE	STATUS
6/22/1988	13105	13235	4	Mrrw Stray	Abandoned
7/8/1988	13001	13014	4	Mrrw C	Abandoned
7/8/1988	12964	12970	4	Mrrw D	Abandoned
5/7/2008	10912	10922	2	3rd Bone Sprg	Active
5/7/2008	10860	10870	2	3rd Bone Sprg	Active
2/16/2005	10,348'	10,364'	2	Bone Spring	Active
2/17/2005	10,136'	10,145'	2	Bone Spring	Active
2/17/2005	9,862'	9,866'	2	Bone Spring	Active
2/17/2005	9,854'	9,858'	2	Bone Spring	Active
2/17/2005	9,835'	9,839'	2	Bone Spring	Active
2/18/2005	9,500'	9,510'	2	Bone Spring	Active
6/24/2008	9,854'	9,866'	3	Bone Spring	Active
6/24/2008	9,835'	9,844'	3	Bone Spring	Active
6/24/2008	9,530'	9,538'	3	Bone Spring	Active
6/24/2008	9,500'	9,510'	3	Bone Spring	Active

DV tool @ 4096'

9 625" @ 5,159'

TOC above 6000' CBL

DV tool @ 9233'

TAC@9399'

9500-10'

9530-38

9835-44'

9854-58

9862-66'

10136-45'

10348-64'

Tbg @ 11007'

10860'-10922'

Junk CIBP 7/27/05

CIBP@12885' w/25' cmt

FISH. 12931-97'

Fill to ?

Morrow C & D

Perf @ 12,964-13,014'

Morrow "Stray" Sands

Perf @ 13,105-13,235'

PBD @ 13,251'

4.5" @ 13,339'

TD: 13,348'

6/88: Perf Morrow (13105-13235') with TCP guns by pumping 41,000 SCF N2, max WH 5000#, bled off N2 to 0#. Acidized w/ 1000 g 7.5% NeFe acid w/ 3 g Io-surf, 3 g HAI-85, 5 g HC-2, 4 g clay-stay, 10# para-check through isolation tool w/ 30% CO2 Flush w/ CO2. AIR 3 bpm, 8400#, max 9200#, 4000 g CO2
7/88: Perf Morrow (12964-13014') by dropping bar to fire TCP guns. Completed this interval natural
10/17/94: RIH to 12,800' w/1" sinker bar & no go. Swab.
2/25/96: Installed intermitter @ 2 5 hrs on & 2 5 hrs off.
3/15/96: Run free point tbg - free @ 12,962', cut tbg @ 12,945'. Rel pkr & POOH w/150 jts. Fish TCP perf guns (fired clean). Frac - total volumes pumped 13,500 gals 70Q CO2 & 42,200# 16-30 Bauwite 1-7 PPG. Flush w/45 bbls linear gel. Well screened out w/37,200# sd in form & 5000# in tbg. AIR 8 BPM; ATP 11,000 psi. RIH w/bailer, clean out sd f/12,968'-13,007', bailer started torquing & sticking, work bailer up to 12,995', could not work loose. FIH (top dwn) 1 jt tbg, check valve, 1 jt tbg, chk valve, XO, 2-3/8" notched collar - total length of fish 65 75'. Tagged up on fish @ 12,931 +/-, it appears fish (tbg) is corkscrewed, TIH w/2-3/8"x4-1/2"x5.4" Baker Lok-Set pkr @ 12,799', Baker "FL" O/O tool w/1 781" PN @ 12,795', SN @ 12,793' & 403 jts 2-3/8" N-80 4 7# tbg
7/19/00: Check for fill - FTP 35, SICP 0, flowing 197 MCFD rate. RIH w/slick line & run 1.9" gauge @ 12,856'. POOH & run 1 5" bailer to 12,949', 286' fill over btm perf. No sample recovered. EOT, PN, Pkr @ 12,856'.
5/22/01: SITP @ 80 psi, SICP @ 5, MIRU swab unit - IFL 5500', run #2 pull from SN - 4 bbl oil, 1 hr swab SN, no recovery turn to sales after 2 hrs prod 243 MCFD 16/64" ck w/ FTP @ 55 psi
10/5/01: 0 bbl oil, 0 bbls wtr, 35 MCF, FTP 35 SICP 0, MIRU swab unit, IFL 9200' 2 swab runs last run pulled from 12000-recover 11 bbl wtr well flowing
10/6/04: Clean out
2/17/05: Frac BS (10348-64') w/74880# 20/40 sand & 861 bbls fluid, set frac plug @ 10275', treated 10136-45 w/12 bbls WF25, 44 bbls 15% HCL & 102 bbls WF25, set frac plug @ 10400', attempted to frac 9862-66 & 9854-58 & 9835-39' but screened out @ 5084# w/47 bbls flush remaining. Placed 28003# 20/40 sand on formation. Left 7896# 20/40 sand in casing.
2/18/05: Frac'd 9500-10' w/49,459# 20/40 sand, 698 bbls fluid
7/2005: Acid scale sqz perfs 9500' - 10,364'
5/8/2008: (Perfs 10860'-10922') Acdz w/ ?
6/24/08: Re-perf & Re-frac Bone Spring Interval, 9835'-9866'; Spearhead 1000 gal Ferchek SC IC 15% HCl, Pump 375 gal Si-202 Wadeco chem behind acid, Frac w/ 60454 gal Delta Frac 200-R(16) & 115381# CRC 20/40 sand. Max 23 BPM, 9619#, Avg 23 BPM @ 8071#, ISIP 5096#, 5 min 5014#, 10 min 4949#, 15 min 4879#
7/24/08: Frac 9500'-9538' Spearhead 1000 gal 15% Ferchek SC Acid, Pump 275 gal Wadeco Si-202 chem, Frac w/ 9264 gal H2O Frac g-R916), 15660 gal Delta Frac 200 R(16), & 29297 gal Delta Frac 200 R(16) carrying 105049# Sand-PRC-20/40 sand. Max 20 BPM 8201# Avg 19 BPM @ 6980# ISIP 3614#, 5 min 3135#, 10 min 2961#, 15 min 2781# @ 1530

10860-70', 10912-22'

Tbg Detail as of 05/04/09:

KB-14 0
246 jts 2-3/8 N-80 tbg (9385 40)
2-3/8 x 4.5 TAC w/15 p/s tension (3 80) @ 9399'
47 jts 2-3/8 N-80 tbg (1534 25)
2-3/8 SN (70) @ 10937'
4R x 2-3/8 p/s (4 0)
2 x 2-3/8 N-80 m/jts (65 25)
2-3/8 b/p (04) @ 11007'
SN- 10,937 45 (15.45 ft below btm/perf.
TAC- 9399 49 (100 ft above top/perf)
EOT- 11,007 44 (7 ft off btm. Tagged btm-)

FISH DETAIL (3/29/96):

1 jt tbg (31 80'), 1 check valve (0 60'),
1 jt tbg (31 75'), 1 check valve (0 60'),
1 XO (0 60'), 1 2/3" notched collar (0 40')

Pump & Rod Detail as of 5/04/09:

292 x 3/4" WTF - T66 rods
12 x 7/8" WTF - T66 rods
3/4" x 26k shear tool
4" x 7/8" guide sub w/ 3/4" pins
20-125-RHBC-24-4-D-O pump w/ HVR,
BDV, PAP, .004" FIT,
219" stroke SV - double, 1" GAC

MISCELLANEOUS

SRC WI%:	100%
BHT:	175 degrees
COMPETITIVE:	Yes
EST WHSIP:	1200#
FORCE POOL:	No
SRC OFFSET/ZONE:	1,2 - BS, 5 - Del
LOGS:	

CAPACITIES

Tubular Cap.	(bbl/ft)	(cf/ft)
FR Tbg.	00524	02943
CSG	01520	08550
PR Tbg.	00387	02171
Annular Cap.	(bbl/ft)	(cf/ft)
FR TbgxCSG.	.00720	04040
CSGxHOLE.	.04060	22780
PR TbgxCSG	00980	05470

TUBULAR GOODS PERFORMANCE

Material	ID (in)	Drift* (in)	Collapse* (psi)	Burst* (psi)	Tensile (lbs)
13 375" 54 5# J55 ST&C	12.615	12.459	1,130	2,730	514,000
13 375" 48# H40 ST&C	12.715	12.559	770	1,730	322,000
9 625" 40# J55 ST&C	8.835	8.679	2,570	3,950	452,000
9 625" 36# J55 ST&C	8.765	8.621	2,020	3,520	394,000
9 625" 53 5# N80 LT&C	8.535	8.379	6,620	7,930	1,062,000
7.0" 20# K55 ST&C	6.456	6.331	2,270	3,740	254,000
4.5" 11.6# N80 BUTT	4.000	3.875	6,350	7,780	304,000
4.5" 11.6# N80 LT&C	4.000	3.875	6,350	7,780	223,000
4.5" 13 5# N80 BUTT	3.920	3.795	8,540	9,020	349,000
4.5" 13 5# N80 LT&C	3.920	3.795	8,540	9,020	211,000
2 375" 4 7# N80 EUE	1.995	1.901	11,780	11,200	104,340

* Safety factor not included

Engineer: Han Narayana

Prepared By: Jody Boyd

Date: 1/9/1996

Updated: 11/7/2002 eea 1/4/06 R Burditt 7/30/08 by C Flanagan
3/22/05 LAH 11/10/09 gls

WELL: Federal 11-20S-34E #3 SPUD DATE: 4/7/1988 LSE #: 021697
COUNTY: Lea RR DATE: FIELD: Lea
STATE: NM COMP DATE: 7/7/1988 LOCATION: SW/4 11-20S-34E
API #: 30-025-30424 FORMATION: Bone Spring
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13 375' @ 876'

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13 375	48 00#	H40	ST&C	---	---	11	---	---	---
13 375	54 50#	J55	ST&C	---	876'	3	---	---	---
9 625	40 00#	J55	ST&C	Surf	---	11	12 250	275/2100	Surf (DV)
9 625	36 00#	J55	ST&C	---	---	78	---	---	---
9 625	53 50#	N80	LT&C	---	5159'	2	---	---	---
7 000	20 00#	K55	ST&C	Surf	5,171'	---	7 875"	750	---
4 500	11 60#	N80	LT&C	Surf	---	136	7 875	580	12380
4 500	11 60#	N80	BUTT	---	---	52	D V tool	510	above
4 500	13 50#	N80	LT&C	---	---	103	---	---	6000
4 500	13 50#	N80	BUTT	---	13349'	31	---	---	(CBL)
2 375	4 70#	N80	EUE	Surf	11007'	333	---	---	---

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2/17/2005	9,835'	9,839'	2	Bone Spring	Active
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6/24/2008	9,530'	9,538'	3	Bone Spring	Active
6/24/2008	9,500'	9,510'	3	Bone Spring	Active

16' 32 211
9' 18
4' 8
4' 8
4' 8
10' 20
12' 36
9' 27
8' 24
10' 30

DV tool @ 4096'

9 625' @ 5,159'

TOC above 6000' CBL

DV tool @ 9233'

TAC@9399'

9500-10'

9530-38

9835-44'

9854-58

9862-66'

10136-45'

10348-64'

Tbg @ 11007'

10860'-10922'

Junk CIBP 7/27/05

CIBP@12885' w/25' cmt

FISH 12931-97'

Fill to ?

Morrow C & D

Perf @ 12,964-13,014'

Morrow "Stray" Sands

Perf @ 13,105-13,235'

PBTD @ 13,251'

4 5" @ 13,339'

TD: 13,348'

6/88: Perf Morrow (13105-13235) with TCP guns by pumping 41,000 SCF N2, max WH 5000#, bled off N2 to 0# Acidized w/ 1000 g 7.5% NeFe acid w/ 3 g lo-surf, 3 g HAI-85, 5 g HC-2, 4 g clay-stay, 10# para-check through isolation tool w/ 30% CO2 Flush w/ CO2 AIR 3 bpm, 8400#, max 9200#, 4000 g CO2
7/88: Perf Morrow (12964-13014) by dropping bar to fire TCP guns Completed this interval natural
10/17/94: RIH to 12,800' w/1" sinker bar & no go Swab
2/25/96: Installed intermitter @ 2 5 hrs on & 2 5 hrs off
3/15/96: Run free point tbg - free @ 12,962', cut tbg @ 12,945' Rel pkr & POOH w/150 jts Fish TCP perf guns (fired clean) Frac - total volumes pumped 13,500 gals 70Q CO2 & 42,200# 16-30 Bauxite 1-7 PPG Flush w/45 bbls linear gel Well screened out w/37,200# sd in form & 5000# in tbg AIR 8 BPM, ATP 11,000 psi RIH w/bailer, clean out sd f/12,968'-13,007', bailer started torquing & sticking, work bailer up to 12,995', could not work loose FIH (top down) 1 j tbg, check valve, 1 j tbg, chk valve, XO, 2-3/8" notched collar - total length of fish 65 75' Tagged up on fish @ 12,931 +/-, it appears fish (tbg) is corkscrewed, TIH w/2-3/8"x4-1/2"x5 4' Baker Lok-Set pkr @ 12,799', Baker "FL" O/O tool w/1 781" PN @ 12,795', SN @ 12,793' & 403 jts 2-3/8" N-80 4 7# tbg
7/19/00: Check for fill - FTP 35, SICP 0, flowing 197 MCFD rate RIH w/slick line & run 1 9" gauge @ 12,856' POOH & run 1.5" bailer to 12,949', 286' fill over btm perf No sample recovered EOT, PN, Pkr @ 12,856'
5/22/01: SITP @ 80 psi, SICP @ 5, MIRU swab unit - IFL 5500', run #2 pull from SN - 4 bbl oil, 1 hr swab SN, no recovery turn to sales after 2 hrs prod 243 MCFD 16/64" ck w/ FTP @ 55 psi
10/5/01: 0 bbl oil, 0 bbls wtr, 35 MCF, FTP 35 SICP 0, MIRU swab unit, IFL 9200' 2 swab runs last run pulled from 12000-recover 11 bbl wtr well flowing.
10/6/04: Clean out
2/17/05: Frac BS (10348-64') w/74880# 20/40 sand & 861 bbls fluid, set frac plug @ 10275', treated 10136-45 w/12 bbls WF25, 44 bbls 15% HCL & 102 bbls WF25, set frac plug @ 10400', attempted to frac 9862-66 & 9854-58 & 9835-39' but screened out @ 5084# w/47 bbls flush remaining Placed 28003# 20/40 sand on formation Left 7896# 20/40 sand in casing
2/18/05: Frac'd 9500-10' w/49,459# 20/40 sand, 698 bbls fluid
7/2005: Acid scale sqz perfs 9500' - 10,364'
5/8/2008: (Perfs 10860'-10922') Adcz w/
6/24/08: Re-perf & Re-frac Bone Spring Interval, 9835'-9866', Spearhead 1000 gal Ferchek SC IC 15% HCl, Pump 375 gal SI-202 Wadeco chem behind acid, Frac w/ 60454 gal Delta Frac 200-R(16) & 115381# CRC 20/40 sand Max 23 BPM, 9619#, Avg 23 BPM @ 8071#, ISIP 5096#, 5 min 5014#, 10 min 4949#, 15 min 4879#
7/24/08: Frac 9500'-9538' Spearhead 1000 gal 15% Ferchek SC Acid, Pump 275 gal Wadeco SI-202 chem, Frac w/ 9264 gal H2O Frac g-R916), 15660 gal Delta Frac 200 R(16), & 29297 gal Delta Frac 200 R(16) carrying 105049# Sand-PRC-20/40 sand Max 20 BPM 8201# Avg 19 BPM @ 6980# ISIP 3614#, 5 min 3135#, 10 min 2961#, 15 min 2781# @ 1530

10860-70', 10912-22'

Tbg Detail as of 05/04/09.
KB-140
248 jts 2-3/8 N-80 tbg (9395 40)
2-3/8 x 4 5 TAC w/15 pts tension (3 80) @ 9399'
47 jts 2-3/8 N-80 tbg (1534 25)
2-3/8 SN (70) @ 10937'
4ft x 2-3/8 p/s (4 0)
2 x 2-3/8 N-80 m/jts (65 25)
2-3/8 b/p (04) @ 11007'
SN- 10,937 45 (15 45 ft below btm/perf)
TAC- 9399 49 (100 ft above top/perf)
EOT- 11,007 44 (7 ft off btm Tagged btm-

FISH DETAIL (3/29/96):
1 j tbg (31 80'), 1 check valve (0 60'),
1 j tbg (31 75'), 1 check valve (0 60'),
1 XO (0 60'), 1 2/3" notched collar (0 40')

Pump & Rod Detail as of 5/04/09
292 x 3/4" WTF - T66 rods
12 x 7/8" WTF - T66 rods
3/4" x 20# shear tool
4" x 7/8" guide sub w/ 3/4" pins
10-125-RHBC-24-4-0-D pump w/ HVR,
BDV, PAP, .004" FIT,
219" stroke SV - double, 1" GAC

MISCELLANEOUS

SRC WI%:	100%
BHT:	175 degrees
COMPETITIVE:	Yes
EST WHSP:	1200#
FORCE POOL:	No
SRC OFFSET/ZONE:	1,2 - BS, 5- Del
LOGS:	

CAPACITIES

Tubular Cap.	(bbl/ft)	(cf/ft)
FR TBG	00524	02943
CSG	01520	08550
PR TBG	00387	02171
Annular Cap.	(bbl/ft)	(cf/ft)
FR TBGxCSG	00720	04040
CSGxHOLE	04060	22780
PR TBGxCSG	00980	05470

TUBULAR GOODS PERFORMANCE

Material	ID (in)	Drift* (in)	Collapse* (psi)	Burst* (psi)	Tensile (lbs)
13 375" 54 5# J55 ST&C	12 615	12 459	1,130	2,730	514,000
13 375" 48# H40 ST&C	12.715	12 559	770	1,730	322,000
9 625" 40# J55 ST&C	8 835	8 679	2,570	3,950	452,000
9 625" 36# J55 ST&C	8 765	8 921	2,020	3,520	394,000
9 625" 53 5# N80 LT&C	8 535	8 379	6,620	7,930	1,062,000
7 0" 20# K55 ST&C	6 456	6 331	2,270	3,740	254,000
4 5" 11 6# N80 BUTT	4 000	3 875	6,350	7,780	304,000
4 5" 11 6# N80 LT&C	4 000	3 875	6,350	7,780	223,000
4 5" 13 5# N80 BUTT	3 920	3 795	8,540	9,020	349,000
4 5" 13 5# N80 LT&C	3 920	3 795	8,540	9,020	211,000
2 375" 4 7# N80 EUE	1 995	1 901	11,780	11,200	104,340

* Safety factor not included

Engineer: Hari Narayana

Prepared By: Jody Boyd

Date: 1/9/1996

Updated: 11/7/2002 eaa 1/4/06 R Burditt 7/30/08 by C Flanagan
3/22/05 LAH 11/10/09 gls

Tiger 11 Federal 1H

LLP: TBD

BHL: 330 FSL & 990 FWL

