Form C-101 August 1, 2011

Permit 341111

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL	DE ENTED DEEDEN	

Operator Name and Address	2. OGRID Number	
TAP ROCK OPERATING, LLC	372043	
523 Park Point Drive	3. API Number	
Golden, CO 80401		30-025-51577
4. Property Code	5. Property Name	6. Well No.
334067	QUEEN KEELY STATE COM	111H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	21	21S	33E	D	929	N	811	W	Lea

8. Proposed Bottom Hole Location

I	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	M	28	21S	33E	М	5	S	825	W	Lea

9. Pool Information

WC-025 G-08 S213304D;BONE SPRING	97895

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3737
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	20453	1st Bone Spring Sand		6/20/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☑ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	11.75	42	1810 948		0
Int1	11	8.625	32	5597	861	0
Prod	7.875	5.5	20	20453	2233	0

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

22.1 Toposca Biomout 1 Togram									
Туре	Working Pressure	Test Pressure	Manufacturer						
Annular	Annular 5000								
Double Ram 10000		5000							
Pipe	10000	5000							

knowledge and	belief. I have complied with 19.15.14.9 (A	is true and complete to the best of my) NMAC ⊠ and/or 19.15.14.9 (B) NMAC		OIL CONSERVATION	NOIVISION
Printed Name:	Electronically filed by Christian	Combs	Approved By:	Paul F Kautz	
Title:	Regulatory Manager		Title:	Geologist	
Email Address:	mail Address: ccombs@taprk.com			6/9/2023	Expiration Date: 6/9/2025
Date:	6/1/2023	Phone: 720-360-4028	Conditions of Approval Attached		

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Prione: (5/5) /48-1283 Fax: (5/5) /48-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

FORM C-102 Revised August 1, 2011 Submit one copy to appropriate **District Office**

AMENDED REPORT

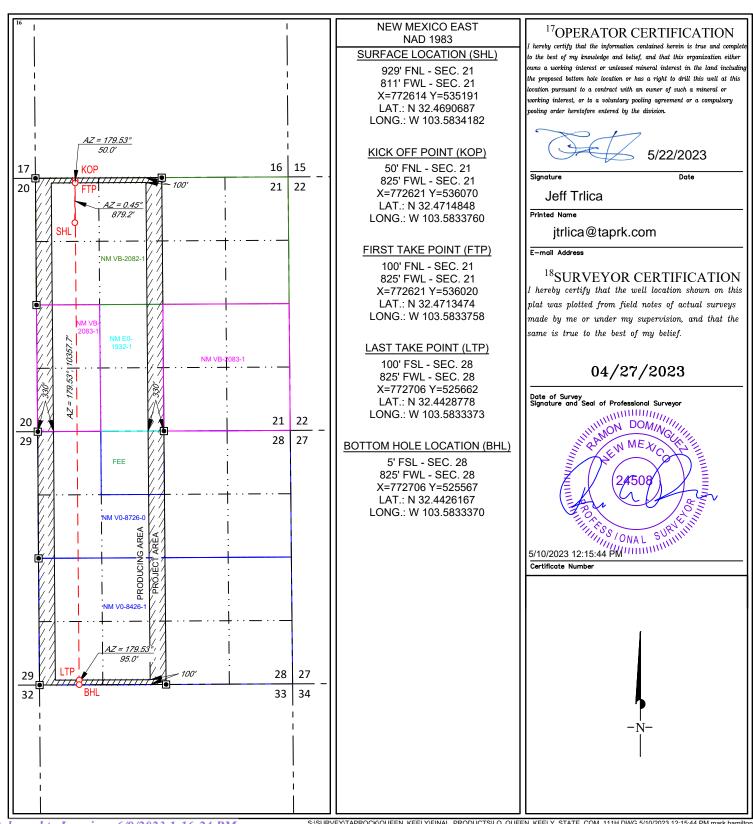
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-		² Pool Code 97895			
⁴ Property Code 334067			roperty Name CELY STATE COM 111H		
⁷ OGRID №. 372043		•	oerator Name OPERATING, LLC.	⁹ Elevation 3737'	

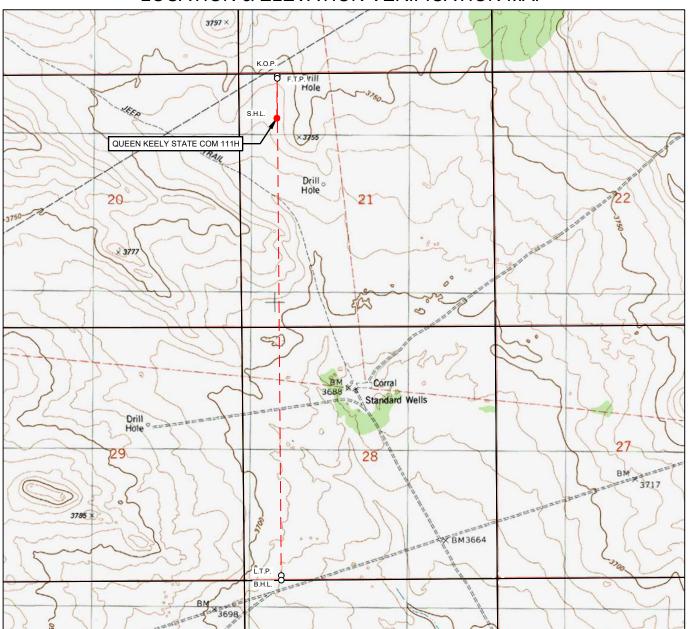
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	21	21-S	33-E	_	929'	NORTH	811'	WEST	LEA
	11Bottom Hole Location If Different From Surface								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	28	21-S	33-E	_	5'	SOUTH	825'	WEST	LEA
12Dedicated Acres	¹³ Joint or l	Infill 14Co	nsolidation Co	de ¹⁵ Ord	er No.				
640									

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



LOCATION & ELEVATION VERIFICATION MAP





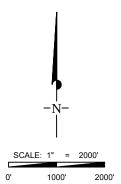
LEASE NAME & WELL NO.: QUEEN KEELY STATE COM 111H

 SECTION
 21
 TWP
 21-S
 RGE
 33-E
 SURVEY
 N.M.P.M.

 COUNTY
 LEA
 STATE
 NM
 ELEVATION
 3737'

 DESCRIPTION
 929' FNL & 811' FWL

LATITUDE N 32.4690687 LONGITUDE W 103.5834182



THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



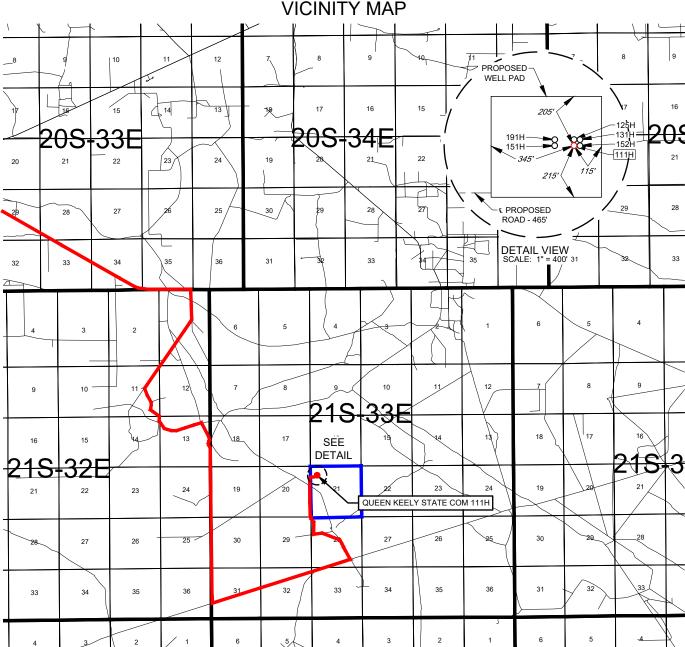
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126

TELEPHONE: (817) 744-7512 • FAX (817) 744-7554

2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705

TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743

WWW.TOPOGRAPHIC.COM





LEASE NAME & WELL NO.: QUEEN KEELY STATE COM 111H

 SECTION
 21
 TWP
 21-S
 RGE
 33-E
 SURVEY
 N.M.P.M.

 COUNTY
 LEA
 STATE
 NM

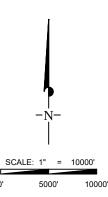
 DESCRIPTION
 929' FNL & 811' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-176 E, & COUNTY RD 28, GO SOUTH ON NM-176 E ±6.4 MILES, THENCE SOUTH (RIGHT) ON A LEASE RD ±2.2 MILES, THENCE SOUTH (LEFT) ON A LEASE RD ±0.8 MILES, THENCE EAST (LEFT) ON DELAWARE BASIN RD. ±4.5 MILES, THENCE NORTHEAST (RIGHT) ON A LEASE RD. ±2.9 MILES, THENCE NORTH (LEFT) ON A LEASE RD. ±2.0 MILES TO A POINT ±397 FEET SOUTHWEST OF THE LOCATION.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.





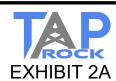
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126

TELEPHONE: (817) 744-7512 • FAX (817) 744-7554

2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705

TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743

WWW.TOPOGRAPHIC.COM



SECTION 21, TOWNSHIP 21-S, RANGE 33-E, N.M.P.M. LEA COUNTY, NEW MEXICO

21 22

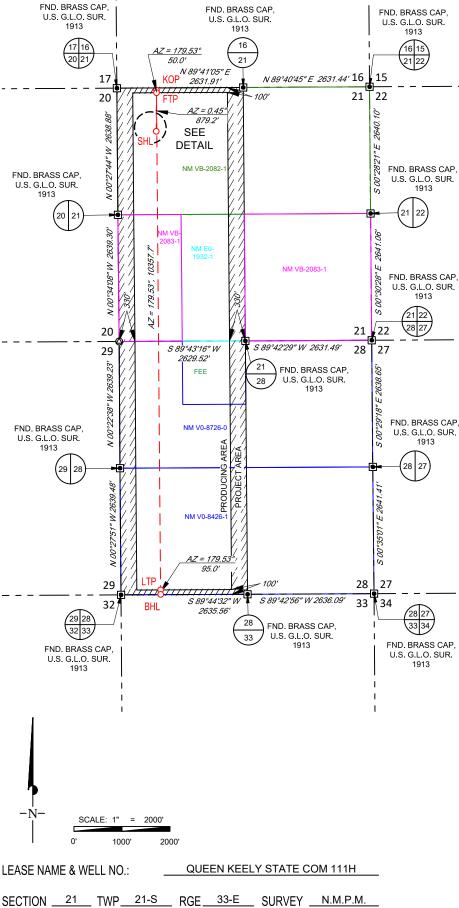
22

21 22

28 27

1913

33 34



NEW MEXICO EAST NAD 1983

SURFACE LOCATION (SHL)

929' FNL - SEC. 21 811' FWL - SEC. 21 X=772614 Y=535191 LAT.: N 32.4690685 LONG.: W 103.5834182

KICK OFF POINT (KOP)

50' FNL - SEC. 21 825' FWL - SEC. 21 X=772621 Y=536070 LAT.: N 32.4714848 LONG.: W 103.5833760

FIRST TAKE POINT (FTP)

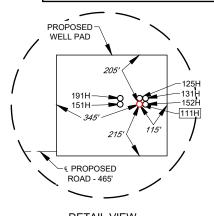
100' FNL - SEC. 21 825' FWL - SEC. 21 X=772621 Y=536020 LAT.: N 32.4713474 LONG.: W 103.5833758

LAST TAKE POINT (LTP)

100' FSL - SEC. 28 825' FWL - SEC. 28 X=772706 Y=525662 LAT.: N 32.4428778 LONG.: W 103.5833373

BOTTOM HOLE LOCATION (BHL)

5' FSL - SEC. 28 825' FWL - SEC. 28 X=772706 Y=525567 LAT · N 32 4426167 LONG.: W 103.5833370



DETAIL VIEW SCALE: 1" = 400'

5/10/2023 12:15:46 PM

Ramon A Dominguez, P.S. No. 24508



TELEPHONE: (817) 744-7512 • FAX (817) 744-7554 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705 TELEPHONE: (432) 68 682-1653 OR (800) 767-1653 • WWW.TOPOGRAPHIC.COM 3 • FAX (432) 682-1743

SECTION 21 TWP **STATE** COUNTY. LEA NM 929' FNL & 811' FWL DESCRIPTION

DISTANCE & DIRECTION

FROM INT. OF NM-176 E, & COUNTY RD 28, GO SOUTH ON NM-176 E ±6.4 MILES, THENCE SOUTH (RIGHT) ON A LEASE RD ±2.2 MILES, THENCE SOUTH (LEFT) ON A LEASE RD ±0.8 MILES, THENCE EAST (LEFT) ON DELAWARE BASIN RD. ±4.5 MILES, THENCE NORTHEAST (RIGHT) ON A LEASE RD. ±2.9 MILES, THENCE NORTH (LEFT) ON A LEASE RD. ±2.0 MILES TO A POINT ±397 FEET SOUTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY. SECTION LINE

PROPOSED ROAD

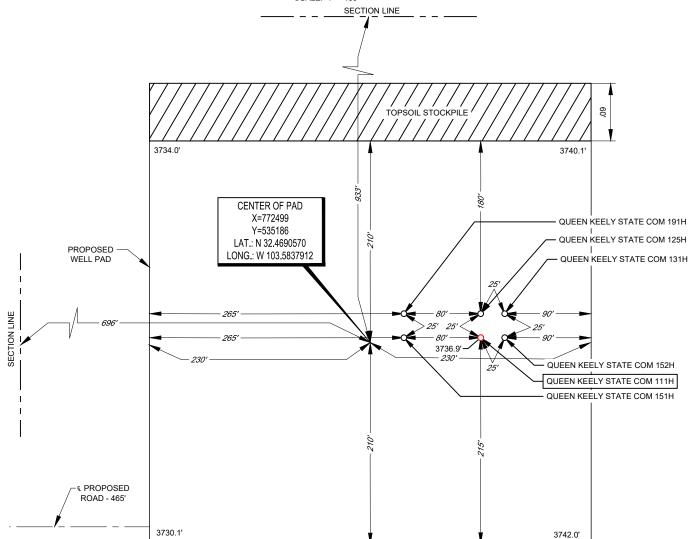
LEGEND

TAP

EXHIBIT 2B

SECTION 21, TOWNSHIP 21-S, RANGE 33-E, N.M.P.M. LEA COUNTY, NEW MEXICO

DETAIL VIEW



LEASE NAME & WELL NO.: _____QUEEN KEELY STATE COM 111H

111H LATITUDE ____32.4690687 ____111H LONGITUDE ____W 103.5834182

CENTER OF PAD IS 933' FNL & 696' FWL

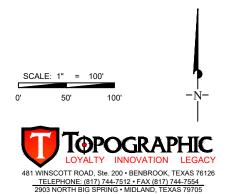
"PRELIMINARY, THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE."

Ramon A Dominguez, P.S. No. 24508

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC, ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



Form APD Conditions

Permit 341111

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240

Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
TAP ROCK OPERATING, LLC [372043]	30-025-51577
523 Park Point Drive	Well:
Golden, CO 80401	QUEEN KEELY STATE COM #111H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
pkautz	R-111P ALL STRINGS MUST CIRCULATE.
pkautz	MUST SUBMIT C-103A PRIOR TO SPUDDING WITH CORRECTED CEMENT PROGRAM

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

				Plan D ve May 25	escription , 2021					
I. Operator:Tap	Rock Oper	ating LLC	(OGRID: _	372043_		Da	i te: _6/1/2	23	
II. Type: ⊠ Original □	l Amendmer	nt due to □ 19.15.27	7.9.D(6)(a) NMA	C □ 19.15.27.9.	D(6)(b) N	NMAC	□ Other.		
If Other, please describe:										
III. Well(s): Provide the be recompleted from a sin						f wells pi	coposed	l to be dri	lled o	or proposed to
Well Name API		ULSTR		F	Anticipated Oil BBL/D		Anticipated Gas MCF/D		Anticipated Produced Water	
Queen Keely State #111	Н	Sec 21 T21S R33E		929 FNL, 811 FWL		1114		1798		5636
V. Anticipated Schedule proposed to be recompleted	e: Provide th	ne following informa	ation f	or each nev	w or recompleted	well or s	et of w	ells propo	sed t	o be drilled or
Well Name	API	Spud Date	TD	Reached Date	Completic Commenceme			al Flow k Date	Firs	st Production Date
Queen Keely State #111H	•		9/24/23		11/13/23		12/10/23		12/10/23	
VI. Separation Equipmed VII. Operational Practic Subsection A through F of VIII. Best Management during active and planned	ices: ⊠ Atta of 19.15.27.8 t Practices:	ach a complete desc 3 NMAC.	criptio	n of the ac	ctions Operator v	vill take t	o com	oly with the	he re	quirements of

Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

🖾 Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in
				, ,

XI. Map. \square Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the
production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of
the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system \square will \square will not have capacity to gather 100% of the a	anticipated natural gas
production volume from the well prior to the date of first production.	

XIII. Line Pressure. Operator \square does \square does not anticipate that its existing well(s) connected to the same segment, or portion, of t	the
natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s	s).

	olan to manage proc	luction in response to t	the increased line	pressure
--	---------------------	--------------------------	--------------------	----------

XIV. Confidentiality: Uperator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in
Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information
for which confidentiality is asserted and the basis for such assertion.

(i)

Section 3 - Certifications <u>Effective May 25, 2021</u>

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal: 🖂 Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system: or ☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following: Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or Venting and Flaring Plan.

Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including: power generation on lease; (a) **(b)** power generation for grid; compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; (g) reinjection for enhanced oil recovery; fuel cell production; and (h)

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

other alternative beneficial uses approved by the division.

- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:
Printed Name: Jeff Trlica
Title: Regulatory Specialist
E-mail Address: jtrlica@taprk.com
Date: 6/1/2023
Phone: 720-772-5910
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. **Separation Equipment:** Attach a complete description of how Operator will size separation equipment to optimize gas capture:

Each surface facility design includes the following process equipment: 3-phase separators (1 separator per well), a sales gas scrubber, one or two 3-phase heater treaters, a vapor recovery tower (VRT), a VRU compressor, multiple water and oil tanks, as well as flare knockouts (HP & LP), and flares (HP & LP). All process vessels will be sized to separate oil, water, gas based upon typical/historical & predicted well performance. Each process vessel will be fitted with an appropriately sized PSV as per ASME code requirements to mitigate vessel rupture and loss of containment. Additionally, the process vessels will be fitted with pressure transmitters tied to the facility control system which will allow operations to monitor pressures and when necessary, shut-in the facility to avoid vessel over-pressure and the potential vent of natural gas. Natural gas will preferentially be sold to pipeline, and only during upset/emergency conditions will gas be directed to the HP flare system. Flash gas from both the 3-phase heater treater and the VRT will be recompressed using a VRU compressor and this gas will also preferentially be directed to the gas sales pipeline. Oil tanks & water tanks will be fitted with 16 oz thief hatches as well as PVRVs to protect the tanks from rupture/collapse. Additionally, the tank vapor outlets and tank vapor capture system will be sized to keep tank pressures below 12 oz. The tank vapor capture system will include a tank vapor blower & knockout as well as a lowpressure flare and knockout. Tank vapors will preferentially be directed to the VRU and the sales gas pipeline. Only during process upsets/emergency conditions will tank vapors be directed to the LP flare system.

VII. **Operational Practices:** Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC. ← See attached reg for requirements.

- During drilling operations- Gas meters will be installed at the shakers and Volume
 Totalizers will be installed on the pits. In the event that elevated gas levels, or a pit
 gain are observed, returns will be diverted to a gas buster. Gas coming off the gas
 buster will be combusted at the flare stack. A 10' or taller flare will be located at
 least 100' from the SHL.
- During completions operations, including stimulation and frac plug drill out operations, hydrocarbon production to surface is minimized. When gas production does occur, gas will be combusted at a flare stack. A 10' or taller flare will be located at least 100' from the SHL.
- During production operations, all process vessels (separators, heater treaters, VRTs, Tanks) will recompress (where necessary) and route gas outlets into the natural gas gathering pipeline. Gas will preferentially be routed to natural gas gathering pipeline and the flare system will be used only during emergency, malfunction, or if the gas does not meet pipeline specifications. In the event of flaring off-specification gas, operations will pull gas samples twice a week and will also route gas back to pipeline as soon as the gas meets specification. Exceptions to this will include only those qualified exceptions per the regulation 19.15.27.8 Subsection D.

To comply with state performance standards, separation and storage equipment will be designed to handle the maximum anticipated throughput and pressure to minimize waste and reduce the likelihood of venting gas to atmosphere. Additionally, each storage atmospheric tank (Oil & Water) will be fitted with a level transmitter to facilitate gauging of the tank without opening of the thief hatch. Any gas collected through the tank vent system is expected to be recompressed and routed to sales. However, in the event of an emergency, the tank vapor capture system will be designed to combust the gas using a flare stack fitted with a continuous or automatic ignitor. The flare stack will be properly anchored and will be located a minimum of 100 feet from the well and storage tanks. Operators will conduct weekly AVO inspections. These AVO inspection records will be stored for the required 5-year period and will be made available upon Division request.

VIII. **Best Management Practices:** Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

• When performing routine or preventive maintenance on a vessel or tank, initially all inlet valves are closed, and the vessel or tank is allowed to depressurize through the normal outlet connections to gas sales and/or liquid tanks. Once the vessel or tank is depressurized to lowest acceptable sales outlet pressure, usually around 20 psig, a temporary low-pressure flowline is connected from the vessel or tank to the Vapor Recovery Unit (VRU) for further pressure reduction. Once depressurized to less than 1-2 psig, the remaining natural gas in the vessel or tank is vented to atmosphere through a controlled pressure relief valve. Once the vessel or tank is depressurized to atmospheric pressure, the vessel or tank can be safely opened, and maintenance performed.



Tap Rock Resources, LLC

Lea County, NM (NAD 83 NME) (Queen Keely State Com) Sec-21_T-21-S_R-33-E Queen Keely State Com #111H

OWB

Plan: Plan #1

Standard Planning Report

23 May, 2023







EDM 5000.15 Single User Db Database: Company: Tap Rock Resources, LLC Project: Lea County, NM (NAD 83 NME) (Queen Keely State Com) Site: Sec-21_T-21-S_R-33-E

Well: Queen Keely State Com #111H **OWB**

Wellbore: Design: Plan #1

Design

Version:

1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Queen Keely State Com #111H

0.0

KB @ 3763.0usft KB @ 3763.0usft

Grid

Minimum Curvature

Project Lea County, NM (NAD 83 NME)

Map System: US State Plane 1983 North American Datum 1983 Geo Datum: Map Zone:

New Mexico Eastern Zone

System Datum: Mean Sea Level

Tie On Depth:

Site (Queen Keely State Com) Sec-21_T-21-S_R-33-E

Site Position: Northing: 535,191.00 usft Latitude: 32° 28' 8.651 N Мар Easting: 772,614.00 usft Longitude: 103° 35' 0.303 W From: **Position Uncertainty:** 0.0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.40°

Well Queen Keely State Com #111H

Plan #1

Well Position +N/-S 0.0 usft 535,191.00 usft 32° 28' 8.651 N Northing: Latitude: +E/-W 0.0 usft Easting: 772,614.00 usft Longitude: 103° 35' 0.303 W

0.0 usft Wellhead Elevation: **Ground Level: Position Uncertainty** 3,737.0 usft

OWB Wellbore Declination Magnetics Model Name Sample Date **Dip Angle** Field Strength (°) (°) (nT) IGRF2015 05/20/23 6.33 60.20 47,469.04398578

Audit Notes:

Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°)

PLAN

0.0 0.0 0.0 179.53

Plan Survey Tool Program Date 05/23/23

Depth From Depth To (usft) (usft) Survey (Wellbore) **Tool Name** Remarks

Phase:

0.0 20,452.5 Plan #1 (OWB) MWD OWSG MWD - Standard



Well:

IntrepidPlanning Report



Database: EDM 5000.15 Single User Db Company: Tap Rock Resources, LLC Project: Lea County, NM (NAD 83 NME) Site: (Queen Keely State Com)

Sec-21_T-21-S_R-33-E

Queen Keely State Com #111H

Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Queen Keely State Com #111H

KB @ 3763.0usft KB @ 3763.0usft

Grid

an Sections	s									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,394.2	8.94	4.55	2,390.6	69.4	5.5	1.00	1.00	0.00	4.55	
7,171.1	8.94	4.55	7,109.4	809.6	64.5	0.00	0.00	0.00	0.00	
8,065.3	0.00	0.00	8,000.0	879.0	70.0	1.00	-1.00	0.00	180.00	
9,619.1	0.00	0.00	9,553.8	879.0	70.0	0.00	0.00	0.00	0.00	
10,504.1	88.50	184.90	10,126.6	323.1	22.3	10.00	10.00	0.00	184.90	
10,772.7	88.50	179.53	10,133.6	54.9	12.0	2.00	0.00	-2.00	-90.06	
12,328.0	88.50	179.53	10,174.3	-1,499.8	24.8	0.00	0.00	0.00	0.00	1500'VS (Queen Ke
12,353.0	89.00	179.53	10,174.8	-1,524.8	25.0	2.00	2.00	0.00	0.00	
15,828.5	89.00	179.53	10,235.4	-4,999.7	53.8	0.00	0.00	0.00	0.00	5000'VS (Queen Ke
15,843.5	89.30	179.53	10,235.6	-5,014.6	53.9	2.00	2.00	0.00	0.00	
20,453.3	89.30	179.53	10,291.8	-9,624.0	92.0	0.00	0.00	0.00	0.00	PBHL (Queen Keely





EDM 5000.15 Single User Db Database: Tap Rock Resources, LLC Company: Project: Lea County, NM (NAD 83 NME) (Queen Keely State Com) Site: Sec-21_T-21-S_R-33-E Well:

Queen Keely State Com #111H

Wellbore: OWB Design: Plan #1 **Local Co-ordinate Reference:**

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Queen Keely State Com #111H

KB @ 3763.0usft KB @ 3763.0usft

Grid

ooigii.	I ICII II I								
lanned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
•									
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
NUDGE - B	uild 1.00								
1,600.0	1.00	4.55	1,600.0	0.9	0.1	-0.9	1.00	1.00	0.00
1.700.0	2.00	4.55	1,700.0	3.5	0.3	-3.5	1.00	1.00	0.00
1,800.0	3.00	4.55	1,799.9	7.8	0.6	-7.8	1.00	1.00	0.00
1,900.0	4.00	4.55	1,899.7	13.9	1.1	-13.9	1.00	1.00	0.00
•			·-						
2,000.0	5.00	4.55	1,999.4	21.7	1.7	-21.7	1.00	1.00	0.00
2,100.0	6.00	4.55	2,098.9	31.3	2.5	-31.3	1.00	1.00	0.00
2,200.0	7.00	4.55	2,198.3	42.6	3.4	-42.5	1.00	1.00	0.00
2,300.0	8.00	4.55	2,297.4	55.6	4.4	-55.5	1.00	1.00	0.00
2,394.2	8.94	4.55	2,390.6	69.4	5.5	-69.4	1.00	1.00	0.00
HOLD - 477	'6.9 at 2394.2 N	MD							
2,400.0	8.94	4.55	2,396.3	70.3	5.6	-70.3	0.00	0.00	0.00
2,500.0	8.94	4.55	2,495.1	85.8	6.8	-85.8	0.00	0.00	0.00
2,600.0	8.94	4.55	2,593.9	101.3	8.1	-101.2	0.00	0.00	0.00
2,700.0	8.94	4.55	2,692.7	116.8	9.3	-101.2	0.00	0.00	0.00
2,800.0	8.94	4.55	2,791.4	132.3	10.5	-110.7	0.00	0.00	0.00
		4.55							
2,900.0	8.94	4.55	2,890.2	147.8	11.8	-147.7	0.00	0.00	0.00
3,000.0	8.94	4.55	2,989.0	163.3	13.0	-163.2	0.00	0.00	0.00
3,100.0	8.94	4.55	3,087.8	178.8	14.2	-178.7	0.00	0.00	0.00
3,200.0	8.94	4.55	3,186.6	194.3	15.5	-194.1	0.00	0.00	0.00
3,300.0	8.94	4.55	3,285.4	209.8	16.7	-209.6	0.00	0.00	0.00
3,400.0	8.94	4.55	3.384.1	225.3	17.9	-225.1	0.00	0.00	0.00
3,500.0	8.94	4.55	3,482.9	240.8	17.9	-240.6	0.00	0.00	0.00
3,600.0	8.94 8.94	4.55 4.55	3,482.9 3,581.7	240.8 256.3		-240.6 -256.1	0.00	0.00	0.00
					20.4				
3,700.0	8.94	4.55	3,680.5	271.7	21.6	-271.6	0.00	0.00	0.00
3,800.0	8.94	4.55	3,779.3	287.2	22.9	-287.0	0.00	0.00	0.00
3,900.0	8.94	4.55	3,878.1	302.7	24.1	-302.5	0.00	0.00	0.00
4,000.0	8.94	4.55	3,976.9	318.2	25.3	-318.0	0.00	0.00	0.00
4,100.0	8.94	4.55	4,075.6	333.7	26.6	-333.5	0.00	0.00	0.00
4,200.0	8.94	4.55	4,174.4	349.2	27.8	-349.0	0.00	0.00	0.00
4,300.0	8.94	4.55	4,273.2	364.7	29.0	-364.5	0.00	0.00	0.00
4,400.0	8.94	4.55	4,372.0	380.2	30.3	-379.9	0.00	0.00	0.00
4,500.0	8.94	4.55	4,470.8	395.7	31.5	-395.4	0.00	0.00	0.00
4,600.0	8.94	4.55	4,569.6	411.2	32.7	-410.9	0.00	0.00	0.00
4,700.0	8.94	4.55	4,668.3	426.7	34.0	-426.4	0.00	0.00	0.00
4,800.0	8.94	4.55	4,767.1	442.2	35.2	-441.9	0.00	0.00	0.00
	8.94	4.55	4,865.9	457.7	36.4	-457.4	0.00	0.00	0.00



Well:

IntrepidPlanning Report



Database: EDM 5000.15 Single User Db Company: Tap Rock Resources, LLC Project: Lea County, NM (NAD 83 NME)
Site: (Queen Keely State Com)
Sec-21_T-21-S_R-33-E

Queen Keely State Com #111H

Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference: TVD Reference:

MD Reference:
North Reference:

Survey Calculation Method:

Well Queen Keely State Com #111H

KB @ 3763.0usft KB @ 3763.0usft

Grid

nned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.0	8.94	4.55	4,964.7	473.2	37.7	-472.9	0.00	0.00	0.00
5,100.0	8.94	4.55	5,063.5	488.7	38.9	-488.3	0.00	0.00	0.00
5,200.0	8.94	4.55	5,162.3	504.2	40.1	-503.8	0.00	0.00	0.00
5,300.0	8.94	4.55	5,261.1	519.7	41.4	-519.3	0.00	0.00	0.00
5,400.0	8.94	4.55	5,359.8	535.2	42.6	-534.8	0.00	0.00	0.00
5,500.0	8.94	4.55	5,458.6	550.7	43.9	-550.3	0.00	0.00	0.00
5,600.0	8.94	4.55	5,557.4	566.1	45.1	-565.8	0.00	0.00	0.00
5,700.0	8.94	4.55	5,656.2	581.6	46.3	-581.2	0.00	0.00	0.00
5,800.0	8.94	4.55	5,755.0	597.1	47.6	-596.7	0.00	0.00	0.00
3,000.0			5,755.0		47.0				
5,900.0	8.94	4.55	5,853.8	612.6	48.8	-612.2	0.00	0.00	0.00
6,000.0	8.94	4.55	5,952.5	628.1	50.0	-627.7	0.00	0.00	0.00
6,100.0	8.94	4.55	6,051.3	643.6	51.3	-643.2	0.00	0.00	0.00
6,200.0	8.94	4.55	6,150.1	659.1	52.5	-658.7	0.00	0.00	0.00
6,300.0	8.94	4.55	6,248.9	674.6	53.7	-674.1	0.00	0.00	0.00
6,400.0	8.94	4.55	6,347.7	690.1	55.0	-689.6	0.00	0.00	0.00
6,500.0	8.94	4.55	6,446.5	705.6	56.2	-705.1	0.00	0.00	0.00
6,600.0	8.94	4.55	6,545.3	721.1	57.4	-720.6	0.00	0.00	0.00
6,700.0	8.94	4.55	6,644.0	736.6	58.7	-736.1	0.00	0.00	0.00
6,800.0	8.94	4.55	6,742.8	752.1	59.9	-751.6	0.00	0.00	0.00
6,900.0	8.94	4.55	6,841.6	767.6	61.1	-767.0	0.00	0.00	0.00
7,000.0	8.94	4.55	6,940.4	783.1	62.4	-782.5	0.00	0.00	0.00
7.100.0	8.94	4.55	7,039.2	798.6	63.6	-798.0	0.00	0.00	0.00
7,100.0	8.94	4.55	7,109.4	809.6	64.5	-809.0	0.00	0.00	0.00
DROP1.		4.00	7,100.4	000.0	04.0	000.0	0.00	0.00	0.00
7,200.0	8.65	4.55	7,138.0	814.0	64.8	-813.4	1.00	-1.00	0.00
7,300.0	7.65	4.55	7,237.0	828.1	65.9	-827.6	1.00	-1.00	0.00
7,400.0	6.65	4.55	7,336.2	840.5	66.9	-840.0	1.00	-1.00	0.00
7,500.0	5.65	4.55	7,435.6	851.2	67.8	-850.6	1.00	-1.00	0.00
7,600.0	4.65	4.55	7,535.2	860.2	68.5	-859.6	1.00	-1.00	0.00
7,700.0	3.65	4.55	7,634.9	867.4	69.1	-866.8	1.00	-1.00	0.00
7,800.0	2.65	4.55	7,734.8	872.9	69.5	-872.3	1.00	-1.00	0.00
7,900.0	1.65	4.55	7,834.7	876.6	69.8	-876.0	1.00	-1.00	0.00
8,000.0	0.65	4.55	7,934.7	878.6	70.0	-878.0	1.00	-1.00	0.00
8,065.3	0.00	0.00	8,000.0	879.0	70.0	-878.4	1.00	-1.00	0.00
·	53.8 at 8065.3 I		0,000.0	0,0.0	70.0	070.1	1.00	1.00	0.00
8,100.0	0.00	0.00	8,034.7	879.0	70.0	-878.4	0.00	0.00	0.00
8,200.0		0.00	8,134.7		70.0		0.00		
	0.00			879.0		-878.4		0.00	0.00
8,300.0	0.00	0.00	8,234.7	879.0	70.0	-878.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,334.7	879.0	70.0	-878.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,434.7	879.0	70.0	-878.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,534.7	879.0	70.0	-878.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,634.7	879.0	70.0	-878.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,734.7	879.0	70.0	-878.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,834.7	879.0	70.0	-878.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,934.7	879.0	70.0	-878.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,034.7	879.0	70.0	-878.4	0.00	0.00	0.00
9.200.0	0.00	0.00	9,134.7	879.0	70.0	-878.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,234.7	879.0	70.0	-878.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,334.7	879.0	70.0	-878.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,434.7	879.0	70.0	-878.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,534.7	879.0	70.0	-878.4	0.00	0.00	0.00
•									
9,619.1	0.00	0.00	9,553.8	879.0	70.0	-878.4	0.00	0.00	0.00
KOD Duil	d 10.00								





Database: EDM 5000.15 Single User Db Company: Tap Rock Resources, LLC Project: Lea County, NM (NAD 83 NME)
Site: (Queen Keely State Com)
Sec-21_T-21-S_R-33-E

Well: Queen Keely State Com #111H

Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Queen Keely State Com #111H

KB @ 3763.0usft KB @ 3763.0usft

Grid

inned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,650.0	3.09	184.90	9,584.7	878.2	69.9	-877.6	10.00	10.00	0.00
9,700.0	8.09	184.90	9,634.4	873.3	69.5	-872.7	10.00	10.00	0.00
9,750.0	13.09	184.90	9,683.6	864.2	68.7	-863.6	10.00	10.00	0.00
9,800.0	18.09	184.90	9,731.7	850.8	67.6	-850.2	10.00	10.00	0.00
9,850.0	23.09	184.90	9,778.5	833.3	66.1	-832.7	10.00	10.00	0.00
9,900.0	28.09	184.90	9,823.6	811.8	64.2	-811.2	10.00	10.00	0.00
9,950.0	33.09	184.90	9,866.6	786.4	62.1	-785.9	10.00	10.00	0.00
10,000.0	38.09	184.90	9,907.2	757.4	59.6	-756.9	10.00	10.00	0.00
10,050.0	43.09	184.90	9,945.2	725.0	56.8	-724.5	10.00	10.00	0.00
*									
10,100.0	48.09	184.90	9,980.2	689.5	53.8	-689.0	10.00	10.00	0.00
10,150.0	53.09	184.90	10,011.9	651.0	50.5	-650.5	10.00	10.00	0.00
10,200.0	58.09	184.90	10,040.2	609.9	46.9	-609.5	10.00	10.00	0.00
10,250.0	63.09	184.90	10,064.7	566.5	43.2	-566.1	10.00	10.00	0.00
10,300.0	68.09	184.90	10,085.4	521.2	39.3	-520.8	10.00	10.00	0.00
10,350.0	73.09	184.90	10,102.0	474.2	35.3	-473.9	10.00	10.00	0.00
10,400.0	78.09	184.90	10,114.4	426.0	31.2	-425.7	10.00	10.00	0.00
10,450.0	83.09	184.90	10,122.6	376.8	26.9	-376.6	10.00	10.00	0.00
10,504.1	88.50	184.90	10,126.6	323.1	22.3	-322.9	10.00	10.00	0.00
•	DLS 2.00 TFC		, .20.0		0	522.5		. 5.55	0.00
10,600.0	88.50	182.98	10,129.1	227.5	15.8	-227.3	2.00	0.00	-2.00
10,700.0	88.50	180.98	10.131.7	127.6	12.3	-127.4	2.00	0.00	-2.00
10,772.7	88.50	179.53	10,133.6	54.9	12.0	-54.8	2.00	0.00	-2.00
	3 hold at 1077		,						
10,800.0	88.50	179.53	10,134.3	27.6	12.2	-27.5	0.00	0.00	0.00
10,900.0	88.50	179.53	10,136.9	-72.4	13.0	72.5	0.00	0.00	0.00
11,000.0	88.50	179.53	10,139.5	-172.3	13.9	172.4	0.00	0.00	0.00
•			-						
11,100.0	88.50	179.53	10,142.2	-272.3	14.7	272.4	0.00	0.00	0.00
11,200.0	88.50	179.53	10,144.8	-372.3	15.5	372.4	0.00	0.00	0.00
11,300.0	88.50	179.53	10,147.4	-472.2	16.3	472.3	0.00	0.00	0.00
11,400.0	88.50	179.53	10,150.0	-572.2	17.2	572.3	0.00	0.00	0.00
11,500.0	88.50	179.53	10,152.6	-672.1	18.0	672.3	0.00	0.00	0.00
11,600.0	88.50	179.53	10,155.2	-772.1	18.8	772.2	0.00	0.00	0.00
11,700.0	88.50	179.53	10,157.9	-872.1	19.6	872.2	0.00	0.00	0.00
11,800.0	88.50	179.53	10,160.5	-972.0	20.5	972.2	0.00	0.00	0.00
11,900.0	88.50	179.53	10,163.1	-1,072.0	21.3	1,072.1	0.00	0.00	0.00
12,000.0	88.50	179.53	10,165.7	-1,172.0	22.1	1,172.1	0.00	0.00	0.00
12,100.0	88.50	179.53	10,168.3	-1.271.9	22.9	1,272.1	0.00	0.00	0.00
12,700.0	88.50	179.53	10,170.9	-1,371.9	23.8	1,372.0	0.00	0.00	0.00
12,300.0	88.50	179.53	10,173.5	-1,471.8	24.6	1,472.0	0.00	0.00	0.00
12,328.0	88.50	179.53	10,174.3	-1,499.8	24.8	1,500.0	0.00	0.00	0.00
	2.00 TFO 0.00		,	.,		.,500.0	0.00	2.23	0.00
12,353.0	89.00	179.53	10,174.8	-1,524.8	25.0	1,525.0	2.00	2.00	0.00
	5 hold at 1235		10,17 4.0	1,024.0	20.0	1,525.0	2.00	2.00	0.00
12,400.0	89.00	179.53	10,175.6	-1,571.8	25.4	1,572.0	0.00	0.00	0.00
12,500.0	89.00	179.53	10,177.4	-1,671.8	26.3	1,672.0	0.00	0.00	0.00
12,600.0	89.00	179.53	10,179.1	-1,771.8	27.1	1,771.9	0.00	0.00	0.00
12,700.0	89.00	179.53	10,180.9	-1,871.8	27.9	1,871.9	0.00	0.00	0.00
12,800.0	89.00	179.53	10,182.6	-1,971.7	28.7	1,971.9	0.00	0.00	0.00
12,900.0	89.00	179.53	10,184.4	-2,071.7	29.6	2,071.9	0.00	0.00	0.00
13,000.0	89.00	179.53	10,186.1	-2,171.7	30.4	2,171.9	0.00	0.00	0.00
13,100.0	89.00	179.53	10,187.8	-2,271.7	31.2	2,271.9	0.00	0.00	0.00
13,200.0	89.00	179.53	10,189.6	-2,371.7	32.0	2,371.9	0.00	0.00	0.00
	89.00	179.53	10,191.3	-2,471.7	32.9	2,471.8	0.00	0.00	0.00





EDM 5000.15 Single User Db Database: Tap Rock Resources, LLC Company: Project: Lea County, NM (NAD 83 NME) (Queen Keely State Com) Site: Sec-21_T-21-S_R-33-E Well:

Queen Keely State Com #111H

Wellbore: OWB Design: Plan #1 **Local Co-ordinate Reference:** TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well Queen Keely State Com #111H

KB @ 3763.0usft KB @ 3763.0usft

Grid

Measured Path Inclination Azimuth Critical Depth (usft) Vertical Depth (usft) Vertical (usft) Vertic											
Depth Incilination Azimuth Cust Cu	Planned Surve	y									
13,500.0 89.00 179.53 10,194.5 -2,771.6 34.5 2,671.8 0.00 0.00 0.00 13,000.0 89.00 179.53 10,196.5 -2,771.6 35.3 2,771.8 0.00 0.00 0.00 13,000.0 89.00 179.53 10,200.0 -2,2971.6 36.2 2,871.8 0.00 0.00 0.00 0.00 13,000.0 89.00 179.53 10,200.0 -2,2971.6 37.0 2,971.8 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,201.8 -3,171.5 38.7 3,711.7 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,201.5 -3,171.5 38.7 3,711.7 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,201.5 -3,371.5 39.5 3,271.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,201.5 -3,371.5 40.3 33,717.0 0.00 0.00 0.00 14,300.0 89.00 179.53 10,201.7 -3,471.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,201.7 -3,471.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,201.7 -3,471.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,210.5 -3,371.4 42.0 3,711.4 0.00 0.00 0.00 14,500.0 89.00 179.53 10,210.5 -3,371.4 44.8 3,671.6 0.00 0.00 0.00 14,500.0 89.00 179.53 10,214.0 -3,771.4 43.6 3,771.6 0.00 0.00 0.00 14,400.0 89.00 179.53 10,214.5 -3,371.4 44.8 3,871.6 0.00 0.00 0.00 14,400.0 89.00 179.53 10,215.7 -3,871.4 44.8 3,871.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 -3,871.4 44.8 3,871.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 -3,871.4 44.8 3,871.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,212.2 -4,071.4 45.1 40,71.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,221.2 -4,071.4 45.1 40,71.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,220.9 -4,171.3 49.9 4,171.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,220.9 -4,471.3 49.9 4,171.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,220.9 -4,471.3 49.9 4,171.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,220.9 -4,471.3 49.9 4,171.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,220.9 -4,471.3 49.9 4,171.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,235.4 4,999.7 53.8 5,000.0 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,800.0 89.30 179.53 10,235.6 -5,014.6 5.9 5,014.	Depth	1			Depth			Section	Rate	Rate	Rate
13,500.0 89.00 179.53 10,194.5 -2,771.6 34.5 2,671.8 0.00 0.00 0.00 13,000.0 89.00 179.53 10,196.5 -2,771.6 35.3 2,771.8 0.00 0.00 0.00 13,000.0 89.00 179.53 10,200.0 -2,2971.6 36.2 2,871.8 0.00 0.00 0.00 0.00 13,000.0 89.00 179.53 10,200.0 -2,2971.6 37.0 2,971.8 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,201.8 -3,171.5 38.7 3,711.7 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,201.5 -3,171.5 38.7 3,711.7 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,201.5 -3,371.5 39.5 3,271.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,201.5 -3,371.5 40.3 33,717.0 0.00 0.00 0.00 14,300.0 89.00 179.53 10,201.7 -3,471.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,201.7 -3,471.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,201.7 -3,471.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,210.5 -3,371.4 42.0 3,711.4 0.00 0.00 0.00 14,500.0 89.00 179.53 10,210.5 -3,371.4 44.8 3,671.6 0.00 0.00 0.00 14,500.0 89.00 179.53 10,214.0 -3,771.4 43.6 3,771.6 0.00 0.00 0.00 14,400.0 89.00 179.53 10,214.5 -3,371.4 44.8 3,871.6 0.00 0.00 0.00 14,400.0 89.00 179.53 10,215.7 -3,871.4 44.8 3,871.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 -3,871.4 44.8 3,871.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 -3,871.4 44.8 3,871.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,212.2 -4,071.4 45.1 40,71.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,221.2 -4,071.4 45.1 40,71.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,220.9 -4,171.3 49.9 4,171.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,220.9 -4,471.3 49.9 4,171.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,220.9 -4,471.3 49.9 4,171.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,220.9 -4,471.3 49.9 4,171.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,220.9 -4,471.3 49.9 4,171.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,235.4 4,999.7 53.8 5,000.0 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,800.0 89.30 179.53 10,235.6 -5,014.6 5.9 5,014.	13.40	0 0	89.00	170 53	10 103 1	-2 571 6	33.7	2 571 8	0.00	0.00	0.00
13,600.0 89.00 179.53 10,198.5 -2,771.6 35.3 2,771.8 0.00 0.00 0.00 13,800.0 89.00 179.53 10,198.3 -2,871.6 37.0 2,971.8 0.00 0.00 0.00 0.00 13,800.0 89.00 179.53 10,200.0 -2,971.6 37.0 2,971.8 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,201.5 3,771.5 38.7 3,717.7 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,203.5 -3,171.5 38.7 3,171.7 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,202.5 -3,171.5 38.7 3,171.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,202.7 -3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,202.7 -3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,202.7 -3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,202.7 -3,371.4 42.0 3,571.4 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,210.5 -3,571.4 42.0 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,210.5 -3,571.4 42.8 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 -3,371.4 43.6 3,771.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 -3,371.4 44.4 43.8 3,771.6 0.00 0.00 0.00 0.00 14,800.0 89.00 179.53 10,215.7 -3,371.4 45.3 3,371.6 0.00 0.00 0.00 0.00 14,800.0 89.00 179.53 10,215.7 -3,371.4 45.3 3,371.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,212.5 -3,371.4 45.1 3,471.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,212.5 -4,471.3 46.9 4,471.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.9 4,471.3 46.9 4,471.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.9 4,471.3 46.9 4,471.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.9 4,471.3 46.9 4,471.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.9 4,471.3 46.9 4,471.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.9 4,471.3 46.9 4,471.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,223.4 4,371.3 50.2 4,471.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,223.4 4,471.5 50.0 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,223.4 4,471.5 50.0 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,223.4 4,471.5 50.0 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,223.4 4,471.5 50.0 50.00 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,223.4 4,471.5											
13,700.0 89.00 179.53 10,200.0 -2,871.6 36.2 2,871.8 0.00 0.00 0.00 13,800.0 89.00 179.53 10,200.0 -2,871.6 37.0 2,971.8 0.00 0.00 0.00 0.00 149.630 10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.10,200.5 3.371.5 38.7 3.171.7 0.00 0.00 0.00 0.00 14.100.0 89.00 179.53 10,200.5 3.371.5 38.7 3.171.7 0.00 0.00 0.00 0.00 14.200.0 89.00 179.53 10,200.7 3.371.5 41.1 3.471.7 0.00 0.00 0.00 0.00 14.300.0 89.00 179.53 10,200.8 7 3.371.5 41.1 3.471.7 0.00 0.00 0.00 0.00 14.400.0 89.00 179.53 10,210.5 3.571.4 42.0 3.571.7 0.00 0.00 0.00 0.00 14.500.0 89.00 179.53 10,210.2 3.571.4 42.0 3.571.7 0.00 0.00 0.00 0.00 14.500.0 89.00 179.53 10,210.2 3.571.4 42.8 3.571.7 0.00 0.00 0.00 0.00 14.500.0 89.00 179.53 10,210.5 3.571.4 43.6 3.771.6 0.00 0.00 0.00 14.500.0 89.00 179.53 10,210.5 3.571.4 45.3 3.771.6 0.00 0.00 0.00 0.00 14.500.0 89.00 179.53 10,210.5 4.4071.4 45.6 3.771.6 0.00 0.00 0.00 0.00 14.500.0 89.00 179.53 10,210.5 4.4071.4 45.1 40.71.6 0.00 0.00 0.00 15.000.0 89.00 179.53 10,210.9 4.771.3 45.9 4.771.6 0.00 0.00 0.00 0.00 15.000.0 89.00 179.53 10,220.9 4.771.3 45.9 4.771.6 0.00 0.00 0.00 0.00 15.000 89.00 179.53 10,220.9 4.771.3 45.9 4.771.5 0.00 0.00 0.00 0.00 15.000.0 89.00 179.53 10,222.9 4.771.3 45.9 4.771.5 0.00 0.00 0.00 0.00 15.000.0 89.00 179.53 10,222.9 4.771.3 45.9 4.771.5 0.00 0.00 0.00 0.00 15.000 89.00 179.53 10,222.9 4.771.3 45.9 4.771.5 0.00 0.00 0.00 0.00 15.000 89.00 179.53 10,222.9 4.771.3 50.2 4.571.5 0.00 0.00 0.00 0.00 15.000 89.00 179.53 10,223.4 4.771.5 50.00 0.00 0.00 0.00 15.000 89.00 179.53 10,223.4 4.771.5 50.00 0.00 0.00 0.00 0.00 15.800.0 89.00 179.53 10,223.4 4.771.2 51.9 4.771.5 0.00 0.00 0.00 0.00 15.800.0 89.00 179.53 10,223.4 4.771.2 51.9 4.771.5 0.00 0.00 0.00 0.00 15.800.0 89.00 179.53 10,233.4 4.771.2 51.9 4.771.5 0.00 0.00 0.00 0.00 15.800.0 89.00 179.53 10,234.9 4.571.2 55.2 5.771.4 0.00 0.00 0.00 0.00 15.800.0 89.00 179.53 10,234.9 4.571.2 55.5 5.771.4 0.00 0.00 0.00 0.00 15.800.0 89											
13,800.0 89.00 179.53 10,200.0 -2,971.6 37.0 2,971.8 0.00 0.00 0.00 139.900.0 89.00 179.53 10,201.5 -3,171.5 38.7 3,171.7 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,203.5 -3,171.5 38.7 3,171.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,203.7 3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,208.7 3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,208.7 3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,208.7 3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,400.0 89.00 179.53 10,210.5 3,571.4 42.0 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 3,571.4 42.8 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 3,571.4 42.8 3,571.6 0.00 0.00 0.00 0.00 14,700.0 89.00 179.53 10,212.5 3,571.4 44.4 3,571.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 3,571.4 44.4 3,571.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,212.5 3,571.4 44.4 3,571.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,212.9 4,071.4 46.1 4,071.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,221.9 4,071.4 46.1 4,071.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,222.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 15,000 89.00 179.53 10,222.0 4,471.3 49.4 4,71.5 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,222.0 4,471.3 49.4 4,71.5 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,222.0 4,471.3 49.4 4,71.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,222.6 4,471.3 49.4 4,71.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,223.6 4,571.2 50.4 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,223.6 4,571.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,223.6 4,571.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.4 4,471.5 52.7 4,571.4 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.6 4,571.2 51.9 4,771.4 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.6 4,571.2 51.9 4,571.3 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.6 4,571.2 55.2 5,771.4 0.00 0.00 0.00 0.00 15,800.0 89.30 179.53 10,235.6 4,571.1 66.1 5,771.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.8 5,571.1 68.5 6,671.3	13,60	0.00		179.53		-2,771.6		2,771.8	0.00		0.00
13,800.0 89.00 179.53 10,200.0 -2,971.6 37.0 2,971.8 0.00 0.00 0.00 139.900.0 89.00 179.53 10,201.5 -3,171.5 38.7 3,171.7 0.00 0.00 0.00 0.00 14,000.0 89.00 179.53 10,203.5 -3,171.5 38.7 3,171.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,203.7 3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,208.7 3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,208.7 3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,208.7 3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,400.0 89.00 179.53 10,210.5 3,571.4 42.0 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 3,571.4 42.8 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 3,571.4 42.8 3,571.6 0.00 0.00 0.00 0.00 14,700.0 89.00 179.53 10,212.5 3,571.4 44.4 3,571.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 3,571.4 44.4 3,571.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,212.5 3,571.4 44.4 3,571.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,212.9 4,071.4 46.1 4,071.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,221.9 4,071.4 46.1 4,071.6 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,222.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 15,000 89.00 179.53 10,222.0 4,471.3 49.4 4,71.5 0.00 0.00 0.00 0.00 15,000 89.00 179.53 10,222.0 4,471.3 49.4 4,71.5 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,222.0 4,471.3 49.4 4,71.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,222.6 4,471.3 49.4 4,71.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,223.6 4,571.2 50.4 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,223.6 4,571.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,223.6 4,571.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.4 4,471.5 52.7 4,571.4 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.6 4,571.2 51.9 4,771.4 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.6 4,571.2 51.9 4,571.3 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.6 4,571.2 55.2 5,771.4 0.00 0.00 0.00 0.00 15,800.0 89.30 179.53 10,235.6 4,571.1 66.1 5,771.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.8 5,571.1 68.5 6,671.3	13,70	0.00	89.00	179.53	10,198.3	-2,871.6	36.2	2,871.8	0.00	0.00	0.00
13,990.0											
14,000.0 89.00 179.53 10,203.5 -3,171.5 38.7 3,171.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,205.3 -3,271.5 40.3 3,271.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,205.7 -3,471.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,200.0 89.00 179.53 10,201.5 3,571.4 42.0 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 -3,671.4 42.8 3,671.7 0.00 0.00 0.00 0.00 14,600.0 89.00 179.53 10,212.2 -3,671.4 42.8 3,671.7 0.00 0.00 0.00 0.00 14,600.0 89.00 179.53 10,214.0 -3,771.4 43.6 3,771.6 0.00 0.00 0.00 0.00 14,800.0 89.00 179.53 10,217.5 -3,971.4 45.3 3,971.6 0.00 0.00 0.00 0.00 14,800.0 89.00 179.53 10,217.5 -3,971.4 45.3 3,971.6 0.00 0.00 0.00 0.00 14,800.0 89.00 179.53 10,217.5 -3,971.4 45.3 3,971.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,400.0 89.00 179.53 10,222.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,226.2 4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,226.2 4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,226.2 4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,223.1 4,871.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,233.1 4,871.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.4 4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.4 4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,235.4 4,999.7 53.8 5,071.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00					· ·	•		•			
14,100.0 89.00 179.53 10,205.3 -3,271.5 39.5 3,271.7 0.00 0.00 0.00 14,300.0 89.00 179.53 10,205.7 -3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,300.0 89.00 179.53 10,205.7 -3,371.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,300.0 89.00 179.53 10,205.7 -3,371.4 42.0 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 -3,871.4 42.8 3,671.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,214.0 -3,771.4 43.6 3,771.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,217.5 -3,871.4 44.4 3,6 3,771.6 0.00 0.00 0.00 0.00 0.00 14,800.0 89.00 179.53 10,217.5 -3,871.4 45.3 3,971.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,221.2 4,071.4 45.1 4,071.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,224.4 4,371.3 48.6 4,371.5 0.00 0.00 0.00 0.00 15,200.0 89.00 179.53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,224.6 4,471.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,224.9 4,971.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,224.9 4,971.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 4,971.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.6 4,571.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.30 179.53 10,235.6 5,571.2 54.4 5,071.4 0.00 0.00 0.00 0.00 15,800.0 89.30 179.53 10,235.6 5,571.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 5,571.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 5,571.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 5,571.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 5,571.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,245.4 5,571.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,245.4 5,571.1 56.8 5,571.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179	13,90	0.00	89.00	179.53	10,201.8	-3,071.5	37.8	3,071.7	0.00	0.00	0.00
14,100.0 89.00 179.53 10,205.3 -3,271.5 39.5 3,271.7 0.00 0.00 0.00 14,300.0 89.00 179.53 10,205.7 -3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,300.0 89.00 179.53 10,205.7 -3,371.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,300.0 89.00 179.53 10,205.7 -3,371.4 42.0 3,571.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 -3,871.4 42.8 3,671.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,214.0 -3,771.4 43.6 3,771.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,217.5 -3,871.4 44.4 3,6 3,771.6 0.00 0.00 0.00 0.00 0.00 14,800.0 89.00 179.53 10,217.5 -3,871.4 45.3 3,971.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,221.2 4,071.4 45.1 4,071.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,224.4 4,371.3 48.6 4,371.5 0.00 0.00 0.00 0.00 15,200.0 89.00 179.53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,224.6 4,471.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,224.9 4,971.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,224.9 4,971.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 4,971.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.6 4,571.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.30 179.53 10,235.6 5,571.2 54.4 5,071.4 0.00 0.00 0.00 0.00 15,800.0 89.30 179.53 10,235.6 5,571.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 5,571.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 5,571.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 5,571.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 5,571.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,245.4 5,571.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,245.4 5,571.1 56.8 5,571.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179	14.00	0.00	89.00	179.53	10.203.5	-3.171.5	38.7	3.171.7	0.00	0.00	0.00
14,200.0 89.00 179.53 10,207.0 -3,371.5 40.3 3,371.7 0.00 0.00 0.00 0.00 14,400.0 89.00 179.53 10,208.7 -3,471.4 42.0 3,571.7 0.00 0.00 0.00 0.00 14,400.0 89.00 179.53 10,212.2 -3,671.4 42.8 3,671.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 -3,671.4 42.8 3,671.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 -3,871.4 44.4 3,671.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179.53 10,215.7 -3,871.4 44.4 3,871.6 0.00 0.00 0.00 0.00 14,800.0 89.00 179.53 10,219.2 -4,071.4 46.1 4,071.6 0.00 0.00 0.00 15,000.0 89.00 179.53 10,229.7 -4,171.3 46.9 4,171.6 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.7 -4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,222.7 -4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,222.1 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,225.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,225.4 -4,471.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,224.9 -4,471.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,224.9 -4,971.2 51.5 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,223.6 -4,871.2 51.7 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.4 -4,971.2 53.5 5,971.4 0.00 0.00 0.00 0.00 15,800.0 89.30 179.53 10,235.4 -4,997.2 53.5 5,971.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.4 -4,997.2 53.5 5,711.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.4 -5,071.2 54.4 5,771.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,235.6 -5,071.2 54.4 5,771.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,243.6 -5,771.1 56.8 5,771.											
14,300.0 89,00 179,53 10,208.7 3,471.5 41.1 3,471.7 0.00 0.00 0.00 0.00 14,400.0 89.00 179,53 10,210.5 3,571.4 42.8 3,671.7 0.00 0.00 0.00 0.00 14,500.0 89.00 179,53 10,214.0 3,771.4 43.6 3,771.6 0.00 0.00 0.00 0.00 14,600.0 89.00 179,53 10,214.0 3,771.4 43.6 3,771.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179,53 10,215.7 3,871.4 44.4 3,871.6 0.00 0.00 0.00 0.00 14,500.0 89.00 179,53 10,215.7 3,971.4 45.3 3,971.6 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,221.2 4,071.4 46.1 4,071.6 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,222.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,222.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,224.2 4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,226.2 4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,226.2 4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,226.9 4,4571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,226.9 4,4571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,234.9 4,571.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,700.0 89.00 179,53 10,234.9 4,971.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179,53 10,234.9 4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179,53 10,235.4 4,999.7 53.8 5,000.0 0.00 0.00 0.00 15,843.5 89.30 179,53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,843.5 89.30 179,53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 16,000 89.30 179,53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 16,000 89.30 179,53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 16,000 89.30 179,53 10,235.6 5,014.6 53.9 5,014.9 0.00 0.00 0.00 0.00 16,000 89.30 179,53 10,235.6 5,014.6 53.9 5,014.9 0.00 0.00 0.00 0.00 16,000 89.30 179,53 10,234.9 4,971.2 55.5 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179,53 10,236.6 5,014.6 53.9 5,014.9 0.00 0.00 0.00 0.00 16,000 89.30 179,53 10,245.6 5,014.6 53.9 5,0											
14,400.0 89.00 179.53 10,210.5 -3,571.4 42.0 3,571.7 0.00 0.00 0.00 14,500.0 89.00 179.53 10,212.2 -3,671.4 42.8 3,671.7 0.00 0.00 0.00 0.00 14,600.0 89.00 179.53 10,215.2 -3,671.4 43.6 3,771.6 0.00 0.00 0.00 0.00 14,700.0 89.00 179.53 10,215.7 -3,871.4 44.4 3,871.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,215.7 -3,871.4 44.4 3,871.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,219.2 -4,071.4 45.3 3,971.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,220.9 -4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,220.9 -4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.4 -4,371.3 48.6 4,371.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.4 -4,371.3 48.6 4,371.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.4 -4,371.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.6 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,221.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,221.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,221.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,231.1 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,803.5 89.00 179.53 10,231.4 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 16,000.0 89.30 179.53 10,235.5 -5,011.6 53.9 5,014.9 2.00 2.00 0.00 16,000.0 89.30 179.53 10,236.4 -5,071.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,236.4 -5,071.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.8 -5,771.1 56.8 5,771.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.6 -5,671.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.6 -5,671.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.6 -5,671.1 61.6 5,871.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 17,000.0 89.30 17										0.00	
14,500.0 89.00 179.53 10,212.2 3,671.4 42.8 3,671.7 0,00 0,00 0,00 14,600.0 89.00 179.53 10,215.7 3,871.4 43.6 3,771.6 0,00 0,00 0,00 0,00 14,700.0 89.00 179.53 10,215.7 3,871.4 44.4 3,871.6 0,00 0,00 0,00 0,00 14,800.0 89.00 179.53 10,217.5 3,971.4 45.3 3,971.6 0,00 0,00 0,00 0,00 14,800.0 89.00 179.53 10,221.2 4,071.4 46.1 4,071.6 0,00 0,00 0,00 15,000.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0,00 0,00 0,00 0,00 15,000.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0,00 0,00 0,00 0,00 15,200.0 89.00 179.53 10,222.7 4,271.3 47.7 4,271.6 0,00 0,00 0,00 0,00 15,200.0 89.00 179.53 10,222.4 4,371.3 48.6 4,371.5 0,00 0,00 0,00 0,00 15,200.0 89.00 179.53 10,222.4 4,371.3 48.6 4,371.5 0,00 0,00 0,00 0,00 15,400.0 89.00 179.53 10,222.4 4,371.3 48.6 4,371.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,229.6 4,571.3 50.2 4,571.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,229.6 4,671.2 51.1 4,671.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,231.4 4,871.2 52.7 4,871.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,235.4 4,999.7 53.8 5,000.0 0,00 0,00 0,00 0,00 15,643.5 89.30 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0,00 0,00 15,643.5 89.30 179.53 10,236.3 5,071.2 54.4 5,071.4 0,00 0,00 0,00 0,00 15,640.0 89.30 179.53 10,236.3 5,071.2 54.4 5,071.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,571.2 55.2 5,171.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,071.2 54.4 5,071.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,244.6 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 17,000 89.30 179.53 10,244.6 5,571.1 56.8 6,671.4 0,00 0,00 0,00 0,00 17,000 89.30 179.53 10,244.8 5,571.1 56.8 6,671.4 0,00	14,30	0.00	89.00	179.53	10,208.7	-3,471.5	41.1	3,471.7	0.00	0.00	0.00
14,500.0 89.00 179.53 10,212.2 3,671.4 42.8 3,671.7 0,00 0,00 0,00 14,600.0 89.00 179.53 10,215.7 3,871.4 43.6 3,771.6 0,00 0,00 0,00 0,00 14,700.0 89.00 179.53 10,215.7 3,871.4 44.4 3,871.6 0,00 0,00 0,00 0,00 14,800.0 89.00 179.53 10,217.5 3,971.4 45.3 3,971.6 0,00 0,00 0,00 0,00 14,800.0 89.00 179.53 10,221.2 4,071.4 46.1 4,071.6 0,00 0,00 0,00 15,000.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0,00 0,00 0,00 0,00 15,000.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0,00 0,00 0,00 0,00 15,200.0 89.00 179.53 10,222.7 4,271.3 47.7 4,271.6 0,00 0,00 0,00 0,00 15,200.0 89.00 179.53 10,222.4 4,371.3 48.6 4,371.5 0,00 0,00 0,00 0,00 15,200.0 89.00 179.53 10,222.4 4,371.3 48.6 4,371.5 0,00 0,00 0,00 0,00 15,400.0 89.00 179.53 10,222.4 4,371.3 48.6 4,371.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,229.6 4,571.3 50.2 4,571.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,229.6 4,671.2 51.1 4,671.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,231.4 4,871.2 52.7 4,871.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0,00 0,00 0,00 0,00 15,600.0 89.00 179.53 10,235.4 4,999.7 53.8 5,000.0 0,00 0,00 0,00 0,00 15,643.5 89.30 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0,00 0,00 15,643.5 89.30 179.53 10,236.3 5,071.2 54.4 5,071.4 0,00 0,00 0,00 0,00 15,640.0 89.30 179.53 10,236.3 5,071.2 54.4 5,071.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,571.2 55.2 5,171.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,071.2 54.4 5,071.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,236.3 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,244.6 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 17,000 89.30 179.53 10,244.6 5,571.1 56.8 6,671.4 0,00 0,00 0,00 0,00 17,000 89.30 179.53 10,244.8 5,571.1 56.8 6,671.4 0,00	14.40	0 0	90.00	170.52	10 210 5	2 571 /	42.0	2 571 7	0.00	0.00	0.00
14,600.0 89.00 179.53 10,214.0 3,771.4 43.6 3,771.6 0,00 0,00 0,00 14,700.0 89.00 179.53 10,217.5 3,871.4 44.8 3,871.6 0,00 0,00 0,00 14,800.0 89.00 179.53 10,217.5 3,871.4 44.8 3,871.6 0,00 0,00 0,00 0,00 14,800.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0,00 0,00 0,00 0,00 15,000.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0,00 0,00 0,00 0,00 15,000.0 89.00 179.53 10,222.7 4,271.3 47.7 4,271.6 0,00 0,00 0,00 0,00 15,000.0 89.00 179.53 10,224.4 4,371.3 46.6 4,371.5 0,00 0,00 0,00 0,00 15,300.0 89.00 179.53 10,226.2 4,471.3 49.4 4,471.5 0,00 0,00 0,00 0,00 15,500.0 89.00 179.53 10,226.2 4,471.3 49.4 4,471.5 0,00 0,00 0,00 0,00 15,500.0 89.00 179.53 10,226.2 4,471.3 49.4 4,471.5 0,00 0,00 0,00 0,00 15,500.0 89.00 179.53 10,221.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 0,00 15,500.0 89.00 179.53 10,221.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 0,00 15,500.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 15,500.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 15,500.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0,00 0,00 0,00 15,828.5 89.00 179.53 10,234.4 4,991.7 53.8 5,000.0 0,00 0,00 0,00 15,828.5 89.00 179.53 10,234.4 4,991.2 53.5 4,971.5 0,00 0,00 0,00 0,00 15,828.5 89.00 179.53 10,234.4 4,991.2 53.5 4,971.5 0,00 0,00 0,00 0,00 15,828.5 89.00 179.53 10,234.5 4,999.7 53.8 5,000.0 0,00 0,00 0,00 0,00 15,828.5 89.00 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0,00 0,00 15,843.5 89.30 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0,00 0,00 15,800.0 89.30 179.53 10,235.7 5,171.2 55.2 5,171.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,235.5 5,171.2 56.0 5,271.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,238.7 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,238.7 5,571.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,234.5 5,671.1 56.8 5,371.4 0,00 0,00 0,00 0,00 16,000 89.30 179.53 10,244.5 5,671.1 56.8 5,371.4 0,00 0,00 0,00 0,00 17,000 89.30 179.53 10,244.5 5,671.1 66.8 5,371.4 0,00 0,00 0,00 0,00 17,000 89.30 179.53 10,244.8 5,671.1 66.8 6,671.3 0,00 0,00 0,00 0,00 0,											
14,700.0 89.00 179.53 10,215.7 3,871.4 44.4 3,871.6 0.00 0.00 0.00 14,900.0 89.00 179.53 10,217.5 3,971.4 45.3 3,971.6 0.00 0.00 0.00 14,900.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0.00 0.00 0.00 15,000.0 89.00 179.53 10,220.9 4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,220.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,200.0 89.00 179.53 10,224.4 4,371.3 48.6 4,371.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,224.4 4,371.3 48.6 4,371.5 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,227.9 4,571.3 40.0 4,471.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,227.9 4,571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,229.4 4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,234.4 4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,235.4 4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,600.0 89.30 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 15,600.0 89.30 179.53 10,236.3 5,071.2 54.4 5,071.4 0.00 0.00 0.00 15,600.0 89.30 179.53 10,236.3 5,071.2 54.4 5,071.4 0.00 0.00 0.00 16,000 89.30 179.53 10,236.3 5,071.2 55.2 5,171.4 0.00 0.00 0.00 16,000 89.30 179.53 10,238.7 5,271.1 56.8 5,371.4 0.00 0.00 0.00 16,000 89.30 179.53 10,234.9 4,271.2 55.2 5,171.4 0.00 0.00 0.00 16,000 89.30 179.53 10,234.9 4,271.2 55.5 5,171.4 0.00 0.00 0.00 16,000 89.30 179.53 10,234.9 5,271.1 56.8 5,371.4 0.00 0.00 0.00 16,000 89.30 179.53 10,234.5 5,711.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,234.9 4,371.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,234.9 4,371.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,244.2 5,571.1 56.8 5,671.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,244.8 5,771.1 56.5 5,671.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,244.8 5,77											
14,800.0 89.00 179.53 10,217.5 -3,971.4 45.3 3,971.6 0.00 0.00 0.00 14,900.0 89.00 179.53 10,220.9 -4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,220.9 -4,171.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.7 -4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,000.0 89.00 179.53 10,222.4 4,371.3 46.6 4,371.5 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,400.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,226.2 -4,471.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,221.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,231.4 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 16,000 89.30 179.53 10,237.5 -5,171.2 55.5 44.4 5,071.4 0.00 0.00 0.00 16,000 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.2 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,244.5 -6,071.0 68.4 6,771.3 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,255.											
14,900.0 89.00 179.53 10,219.2 -4,071.4 46.1 4,071.6 0.00 0.00 0.00 15,100.0 89.00 179.53 10,220.9 -4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,100.0 89.00 179.53 10,222.7 -4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,200.0 89.00 179.53 10,224.4 -4,371.3 46.6 4,371.5 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,400.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,227.9 -4,571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,229.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,231.4 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,828.3 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.5 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,234.9 4.9,171.5 85.5 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,241.2 5,171.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,241.2 5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,241.2 5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,241.2 5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,244.8 5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,244.8 5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,244.8 5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,244.8 5,771.1 60.1 5,871.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,245.5 6,071.0	14,70	0.00	89.00	179.53	10,215.7	-3,871.4	44.4	3,871.6	0.00	0.00	0.00
14,900.0 89.00 179.53 10,219.2 -4,071.4 46.1 4,071.6 0.00 0.00 0.00 15,100.0 89.00 179.53 10,220.9 -4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,100.0 89.00 179.53 10,222.7 -4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,200.0 89.00 179.53 10,224.4 -4,371.3 46.6 4,371.5 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,400.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,227.9 -4,571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,229.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,231.4 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,828.3 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,235.7 5-5,171.2 55.5 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,234.9 4.9,171.5 85.5 5,171.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,241.2 5,171.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,241.2 5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,241.2 5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,241.2 5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,244.8 5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,244.8 5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,000 89.30 179.53 10,244.8 5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,244.8 5,771.1 60.1 5,871.4 0.00 0.00 0.00 0.00 17,000 89.30 179.53 10,245.5 6,071.0	14.80	0.00	89.00	179.53	10.217.5	-3.971.4	45.3	3.971.6	0.00	0.00	0.00
15,000.0 89.00 179.53 10,220.9 -4,171.3 46.9 4,171.6 0.00 0.00 0.00 0.00 15,100.0 89.00 179.53 10,222.7 -4,271.3 48.6 4,371.5 0.00 0.00 0.00 0.00 15,200.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,227.9 -4,471.3 50.2 4,71.5 50.0 0.00 0.00 0.00 15,500.0 89.00 179.53 10,229.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,229.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,700.0 89.00 179.53 10,231.4 -4,771.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,802.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,802.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,236.3 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,803.5 89.30 179.53 10,236.3 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,236.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,234.2 -5,271.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.2 -5,571.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.2 -5,571.1 56.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,255.8 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 0.0	,				•	•					
15,100.0 89.00 179.53 10,224.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 15,300.0 89.00 179.53 10,226.2 4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,227.9 4,571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,229.6 4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,233.1 4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.4 4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 15,843.5 89.30 179.53 10,235.6 5,071.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,238.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,238.7 5,271.1 58.8 5,371.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,241.2 5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,248.8 5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,671.1 58.5 6,671.4 0.00 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,248.5 6,671.0 66.8 6,071.4 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,248.5 6,671.0 66.8 6,071.4 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,259.8 6,671.0 66.8 6,671.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,259.4 6,87	14,90	0.00	89.00	179.53	10,219.2	-4,071.4	46.1	4,071.6	0.00		0.00
15,100.0 89.00 179.53 10,224.7 4,271.3 47.7 4,271.6 0.00 0.00 0.00 0.00 15,300.0 89.00 179.53 10,224.4 4,371.3 49.4 4,471.5 0.00 0.00 0.00 15,300.0 89.00 179.53 10,226.2 4,471.3 49.4 4,471.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,227.9 4,571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,229.6 4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,231.4 4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,233.1 4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,234.9 4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.4 4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 5,014.6 53.9 5,014.9 2.00 2.00 0.00 15,843.5 89.30 179.53 10,235.6 5,071.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,238.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,238.7 5,271.1 58.8 5,371.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,241.2 5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,248.8 5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 5,671.1 58.5 6,671.4 0.00 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,248.5 6,671.0 66.8 6,071.4 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,248.5 6,671.0 66.8 6,071.4 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,259.8 6,671.0 66.8 6,671.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,259.4 6,87	15,00	0.00	89.00	179.53	10,220.9	-4,171.3	46.9	4,171.6	0.00	0.00	0.00
15,200.0 89.00 179.53 10,224.4 -4,371.3 48.6 4,371.5 0.00 0.00 0.00 15,300.0 89.00 179.53 10,226.2 -4,471.3 50.2 4,471.5 0.00 0.00 0.00 0.00 15,400.0 89.00 179.53 10,227.9 -4,571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,229.6 -4,671.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,700.0 89.00 179.53 10,233.1 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,802.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 15,800.0 89.30 179.53 10,235.6 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,235.5 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,235.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,271.2 55.0 5,271.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 55.0 5,271.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 55.0 5,271.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,241.5 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,243.6 -5,671.1 59.5 5,671.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,243.6 -5,671.1 59.5 5,671.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.6 -5,671.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.6 -5,671.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.6 -6,671.0 64.8 6,571.0 64.8 6,571.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.6 -6,671.0 66.8 6,571.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,246.6 -6,671.0 66.8 6,571.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,256.8 6,671.0	15 10	0.00	89.00	179 53	10 222 7	-4 271 3	47 7	4 271 6	0.00		0.00
15,300.0 89.00 179.53 10,226.2 -4,471.3 49.4 4,471.5 0.00 0.00 0.00 15,400.0 89.00 179.53 10,227.9 -4,571.3 50.2 4,571.5 0.00 0.00 0.00 0.00 15,500.0 89.00 179.53 10,229.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,700.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 16,000.0 89.30 179.53 10,235.7 5-5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.6 -5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.8 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.8 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.8 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.8 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.8 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,244.8 -5,671.1 61.6 5,871.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.4 -6,671.1 62.6 6,671.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.4 -6,671.1 62.6 6,671.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.4 -6,671.0 68.8 6,571.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.4 -6,671.0 68.8 6,571.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,254.6 -6,671.0 68.4 6,771.3 0.00 0.00 0.00 0.00 17,000											
15,400.0 89.00 179.53 10,227.9 -4,571.3 50.2 4,571.5 0.00 0.00 0.00 15,500.0 89.00 179.53 10,229.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 0.00 15,600.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,700.0 89.00 179.53 10,231.4 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,802.5 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,828.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 15,000.0 89.30 179.53 10,235.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 5.271.2 56.0 5,271.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,238.7 5.271.2 56.0 5,271.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,238.7 5.271.2 56.0 5,271.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,241.2 5,471.1 57.7 5,471.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,241.2 5,471.1 57.7 5,471.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,243.6 5,671.1 59.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,243.6 5,671.1 59.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.6 5,571.1 59.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.6 5,671.1 59.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.6 5,671.1 59.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.6 5,671.1 59.5 5,671.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.6 5,671.1 60.1 5,771.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.6 5,671.1 60.1 5,871.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.4 6,471.0 65.6 6,671.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.4 6,471.0 65.6 6,671.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.6 6,671.0 66.8 6,571.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.6 6,671.0 66.8 6,571.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,255.8 6,671.0 66.8 6,571.3 0.00 0.00 0.00 0.00 17,000.0 89.30 17											
15,500.0 89.00 179.53 10,229.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 15,600.0 89.00 179.53 10,231.1 -4,871.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,700.0 89.00 179.53 10,231.1 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,802.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,800.0 89.30 179.53 10,235.7 5,711.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,235.7 5,711.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,239.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,242.4 -5,571.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,242.4 -5,571.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,671.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,671.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,671.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,771.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,771.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.6 -6,671.0 66.8 6,671.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,250.8 -6,671.0 66.8 6,671.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,250.8 -6,671.0 66.8 6,671.3 0.00 0.00 0.00 0.00 17,500.0 8	15,30	0.0	89.00	179.53	10,226.2	-4,471.3	49.4	4,471.5	0.00	0.00	0.00
15,500.0 89.00 179.53 10,229.6 -4,671.2 51.1 4,671.5 0.00 0.00 0.00 15,600.0 89.00 179.53 10,231.1 -4,871.2 51.9 4,771.5 0.00 0.00 0.00 0.00 15,700.0 89.00 179.53 10,231.1 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,802.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,800.0 89.30 179.53 10,235.7 5,711.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,235.7 5,711.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,239.7 5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,242.4 -5,571.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,242.4 -5,571.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,671.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,671.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,671.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,771.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,244.8 -5,771.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,245.6 -6,671.0 66.8 6,671.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,250.8 -6,671.0 66.8 6,671.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,250.8 -6,671.0 66.8 6,671.3 0.00 0.00 0.00 0.00 17,500.0 8	15.40	η η	80 00	170 53	10 227 0	-4 571 3	50.2	1 571 5	0.00	0.00	0.00
15,600.0 89.00 179.53 10,231.4 -4,771.2 51.9 4,771.5 0.00 0.00 0.00 15,700.0 89.00 179.53 10,233.1 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,802.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,828.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 Start 4609.9 hold at 15843.5 MD 15,900.0 89.30 179.53 10,236.3 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,100.0 89.30 179.53 10,238.7 -5,271.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,200.0 89.30 179.53 10,238.7 -5,271.2 55.0 5,271.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,239.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,242.4 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,255.8 -6,071.0 64.3 6,271.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,255.8 -6,071.0 64.5 6,571.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,071.0 65.9 6,471.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 66.4 6,571.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3											
15,700.0 89.00 179.53 10,233.1 -4,871.2 52.7 4,871.5 0.00 0.00 0.00 0.00 15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,809.9 hold at 15843.5 MD 15,900.0 89.30 179.53 10,236.3 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,238.7 -5,271.2 56.8 5,371.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 -5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,671.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,671.1 58.5 5,871.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 61.0 5,871.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.8 -5,771.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,248.5 -6,071.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,248.5 -6,071.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,248.5 -6,071.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,255.8 -6,671.0 65.9 6,471.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 66.8 6,571.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 69.4 6,671.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671											
15,800.0 89.00 179.53 10,234.9 -4,971.2 53.5 4,971.5 0.00 0.00 0.00 0.00 15,828.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,828.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,100.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,238.7 -5,271.2 56.8 5,371.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.6 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.6 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.6 -5,871.1 61.8 5,971.4 0.00 0.00 0.00 0.00 16,900.0 89.30 179.53 10,245.9 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,100.0 89.30 179.53 10,245.9 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,300.0 89.30 179.53 10,245.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,300.0 89.30 179.53 10,252.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,252.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,252.4 -6,471.0 66.9 6,471.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,252.5 -6,671.0 68.8 6,571.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,252.5 -6,671.0 68.8 6,571.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,252.5 -6,671.0 68.8 6,571.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,252.5 -6,671.0 68.4 6,771.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,252.5 -6,671.0 69.2 6,871.3 0.00 0.00 0.00 0.00 17,500.0 89.30 17											
15,828.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,841 DLS 2.00 TFO 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,235.3 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,100.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,100.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,239.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,242.4 -5,571.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,242.4 -5,571.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.3 -5,971.1 61.0 5,871.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,100.0 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,244.5 -6,071.0 64.3 6,271.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 65.9 6,471.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 65.9 6,471.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 66.8 6,571.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.2 -6,871.0 67.6 6,871.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,256.2 -6,871.0 70.1 6,971.3 0.00 0.00 0.00 0.00 17,500.	15,70	0.0	89.00	179.53	10,233.1	-4,871.2	52.7	4,871.5	0.00	0.00	0.00
15,828.5 89.00 179.53 10,235.4 -4,999.7 53.8 5,000.0 0.00 0.00 0.00 0.00 15,841 DLS 2.00 TFO 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 2.00 0.00 15,843.5 89.30 179.53 10,235.6 -5,014.6 53.9 5,014.9 2.00 0.00 0.00 0.00 16,000.0 89.30 179.53 10,235.3 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 0.00 16,100.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,100.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,239.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,500.0 89.30 179.53 10,242.4 -5,571.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,242.4 -5,571.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.3 -5,971.1 61.0 5,871.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,100.0 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,244.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,244.5 -6,071.0 64.3 6,271.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 65.9 6,471.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 65.9 6,471.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 66.8 6,571.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.2 -6,871.0 67.6 6,871.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 0.00 17,500.0 89.30 179.53 10,256.2 -6,871.0 70.1 6,971.3 0.00 0.00 0.00 0.00 17,500.	15.80	0.00	89.00	179.53	10.234.9	-4.971.2	53.5	4.971.5	0.00	0.00	0.00
Start DLS 2.00 TFO 0.00	1				· ·	•					
15,843.5	15,82	28.5	89.00	179.53	10,235.4	-4,999.7	53.8	5,000.0	0.00	0.00	0.00
15,843.5	Start D	DLS 2	.00 TFO 0.00								
Start 4609.9 hold at 15843.5 MD				170 53	10 235 6	-5.014.6	53.0	5.014.9	2.00	2.00	0.00
15,900.0 89.30 179.53 10,236.3 -5,071.2 54.4 5,071.4 0.00 0.00 0.00 16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 0.00 16,100.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 0.00 16,200.0 89.30 179.53 10,239.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 0.00 16,300.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 0.00 16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.8 -5,771.1 61.8 5,971.4 0.00 0.00 0.00 0.00 16,800.0 89.30 179.53 10,244.5 -6,071.1 61.8 5,971.4 0.00 0.00 0.00 0.00 16,900.0 89.30 179.53 10,249.7 -6,171.1 61.8 5,971.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 62.6 6,071.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 0.00 17,000.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,600.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 0.00 17,600.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 0.00 17,600.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 0.00 17,800.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	· ·				10,233.0	-5,014.0	55.5	3,014.3	2.00	2.00	0.00
16,000.0 89.30 179.53 10,237.5 -5,171.2 55.2 5,171.4 0.00 0.00 0.00 16,100.0 89.30 179.53 10,238.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 16,200.0 89.30 179.53 10,239.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,242.4 -5,671.1 58.5 5,571.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,244.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,248.5 -6,071.1 62.6											
16,100.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 16,200.0 89.30 179.53 10,239.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,242.4 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,242.4 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,248.5 -6,071.1 61.8 5,971.4 0.00 0.00 0.00 <td>15,90</td> <td>0.00</td> <td>89.30</td> <td>179.53</td> <td>10,236.3</td> <td>-5,071.2</td> <td>54.4</td> <td>5,071.4</td> <td>0.00</td> <td>0.00</td> <td>0.00</td>	15,90	0.00	89.30	179.53	10,236.3	-5,071.2	54.4	5,071.4	0.00	0.00	0.00
16,100.0 89.30 179.53 10,238.7 -5,271.2 56.0 5,271.4 0.00 0.00 0.00 16,200.0 89.30 179.53 10,239.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,242.4 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,242.4 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,248.5 -6,071.1 61.8 5,971.4 0.00 0.00 0.00 <td>16.00</td> <td>0.00</td> <td>89.30</td> <td>179.53</td> <td>10.237.5</td> <td>-5.171.2</td> <td>55.2</td> <td>5.171.4</td> <td>0.00</td> <td>0.00</td> <td>0.00</td>	16.00	0.00	89.30	179.53	10.237.5	-5.171.2	55.2	5.171.4	0.00	0.00	0.00
16,200.0 89.30 179.53 10,239.9 -5,371.1 56.8 5,371.4 0.00 0.00 0.00 16,300.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,244.8 -5,771.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 <td></td>											
16,300.0 89.30 179.53 10,241.2 -5,471.1 57.7 5,471.4 0.00 0.00 0.00 16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,247.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 <td>10,10</td> <td>,0.0</td> <td>00.00</td> <td></td> <td>10,200.7</td> <td>•</td> <td>00.0</td> <td>0,27 111</td> <td>0.00</td> <td>0.00</td> <td>0.00</td>	10,10	,0.0	00.00		10,200.7	•	00.0	0,27 111	0.00	0.00	0.00
16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,247.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 61.8 5,971.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9	16,20	0.00	89.30	179.53	10,239.9	-5,371.1	56.8	5,371.4	0.00	0.00	0.00
16,400.0 89.30 179.53 10,242.4 -5,571.1 58.5 5,571.4 0.00 0.00 0.00 16,500.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,247.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 61.8 5,971.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9	16.30	0.00	89.30	179.53	10.241.2	-5.471.1	57.7	5.471.4	0.00	0.00	0.00
16,500.0 89.30 179.53 10,243.6 -5,671.1 59.3 5,671.4 0.00 0.00 0.00 16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,247.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,400.0 89.30 179.53 10,253.4 -6,471.0 65.9											
16,600.0 89.30 179.53 10,244.8 -5,771.1 60.1 5,771.4 0.00 0.00 0.00 16,700.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,247.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,254.6 -6,571.0 66.8											
16,700.0 89.30 179.53 10,246.0 -5,871.1 61.0 5,871.4 0.00 0.00 0.00 16,800.0 89.30 179.53 10,247.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 66.8 6,571.3 0.00 0.00 0.00 17,600.0 89.30 179.53 10,258.2 -6,871.0 69.2											
16,800.0 89.30 179.53 10,247.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2	16,60	0.0	89.30	179.53	10,244.8	-5,771.1	60.1	5,771.4	0.00	0.00	0.00
16,800.0 89.30 179.53 10,247.3 -5,971.1 61.8 5,971.4 0.00 0.00 0.00 16,900.0 89.30 179.53 10,248.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2	16 70	0.00	89 30	179 53	10 246 0	-5 871 1	61.0	5 871 A	0.00	0.00	0.00
16,900.0 89.30 179.53 10,248.5 -6,071.1 62.6 6,071.4 0.00 0.00 0.00 17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1	1				,			,			
17,000.0 89.30 179.53 10,249.7 -6,171.1 63.5 6,171.4 0.00 0.00 0.00 17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9											
17,100.0 89.30 179.53 10,250.9 -6,271.0 64.3 6,271.4 0.00 0.00 0.00 17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7						,					
17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,600.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7	17,00	0.00	89.30	179.53	10,249.7	-6,171.1	63.5	6,171.4	0.00	0.00	0.00
17,200.0 89.30 179.53 10,252.1 -6,371.0 65.1 6,371.4 0.00 0.00 0.00 17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,600.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7	17,10	0.00	89.30	179.53	10,250.9	-6,271.0	64.3	6,271.4	0.00	0.00	0.00
17,300.0 89.30 179.53 10,253.4 -6,471.0 65.9 6,471.3 0.00 0.00 0.00 17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,600.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00	47.00	00.0					05.4	6.074.4	0.00		0.00
17,400.0 89.30 179.53 10,254.6 -6,571.0 66.8 6,571.3 0.00 0.00 0.00 17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,600.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00											
17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,600.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00					-,						
17,500.0 89.30 179.53 10,255.8 -6,671.0 67.6 6,671.3 0.00 0.00 0.00 17,600.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00	17,40	0.00	89.30	179.53	10,254.6	-6,571.0	66.8	6,571.3	0.00	0.00	0.00
17,600.0 89.30 179.53 10,257.0 -6,771.0 68.4 6,771.3 0.00 0.00 0.00 17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00											
17,700.0 89.30 179.53 10,258.2 -6,871.0 69.2 6,871.3 0.00 0.00 0.00 17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00											
17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00			03.50	173.33			00.4		0.00	0.00	0.00
17,800.0 89.30 179.53 10,259.5 -6,971.0 70.1 6,971.3 0.00 0.00 0.00 17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00	17.70	0.00	89.30	179.53	10,258.2	-6,871.0	69.2	6,871.3	0.00	0.00	0.00
17,900.0 89.30 179.53 10,260.7 -7,071.0 70.9 7,071.3 0.00 0.00 0.00 18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00											
18,000.0 89.30 179.53 10,261.9 -7,170.9 71.7 7,171.3 0.00 0.00 0.00											
78,700.0 89.30 179.53 10,263.1 -7,270.9 72.5 7,271.3 0.00 0.00 0.00											
	18,10	0.00	89.30	179.53	10,263.1	-7,270.9	72.5	7,271.3	0.00	0.00	0.00





Database: EDM 5000.15 Single User Db Company: Tap Rock Resources, LLC Project: Lea County, NM (NAD 83 NME) Site: (Queen Keely State Com) Sec-21_T-21-S_R-33-E

Well: Queen Keely State Com #111H

Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference: TVD Reference:

MD Reference:
North Reference:

Survey Calculation Method:

Well Queen Keely State Com #111H

KB @ 3763.0usft KB @ 3763.0usft

Grid

anned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,200.0 18,300.0 18,400.0 18,500.0 18,600.0	89.30 89.30 89.30 89.30 89.30	179.53 179.53 179.53 179.53 179.53	10,264.3 10,265.6 10,266.8 10,268.0 10,269.2	-7,370.9 -7,470.9 -7,570.9 -7,670.9 -7,770.9	73.4 74.2 75.0 75.9 76.7	7,371.3 7,471.3 7,571.3 7,671.3 7,771.2	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
18,700.0 18,800.0 18,900.0 19,000.0 19,100.0	89.30 89.30 89.30 89.30	179.53 179.53 179.53 179.53 179.53	10,270.4 10,271.7 10,272.9 10,274.1 10,275.3	-7,870.9 -7,970.9 -8,070.8 -8,170.8 -8,270.8	77.5 78.3 79.2 80.0 80.8	7,871.2 7,971.2 8,071.2 8,171.2 8,271.2	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
19,200.0 19,300.0 19,400.0 19,500.0 19,600.0	89.30 89.30 89.30 89.30	179.53 179.53 179.53 179.53 179.53	10,276.6 10,277.8 10,279.0 10,280.2 10,281.4	-8,370.8 -8,470.8 -8,570.8 -8,670.8 -8,770.8	81.6 82.5 83.3 84.1 84.9	8,371.2 8,471.2 8,571.2 8,671.2 8,771.2	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
19,700.0 19,800.0 19,900.0 20,000.0 20,100.0	89.30 89.30 89.30 89.30	179.53 179.53 179.53 179.53 179.53	10,282.7 10,283.9 10,285.1 10,286.3 10,287.5	-8,870.8 -8,970.7 -9,070.7 -9,170.7 -9,270.7	85.8 86.6 87.4 88.3 89.1	8,871.2 8,971.2 9,071.1 9,171.1 9,271.1	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
20,200.0 20,300.0 20,400.0 20,453.3 TD at 2045 :	89.30 89.30 89.30 89.30	179.53 179.53 179.53 179.53	10,288.8 10,290.0 10,291.2 10,291.8	-9,370.7 -9,470.7 -9,570.7 -9,624.0	89.9 90.7 91.6 92.0	9,371.1 9,471.1 9,571.1 9,624.4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Queen Keely Sta - plan misses targo - Point			10,135.0 10076.3usf	879.0 t MD (9964.0	7.0 TVD, 706.7 I	536,070.00 N, 55.2 E)	772,621.00	32° 28′ 17.348 N	103° 35' 0.149 W
FTP (Queen Keely Sta - plan misses targo - Point			10,135.0 10100.0usf	829.0 MD (9980.2	7.0 TVD, 689.5 I	536,020.00 N, 53.8 E)	772,621.00	32° 28′ 16.853 N	103° 35' 0.153 W
1500'VS (Queen Keely - plan hits target of - Rectangle (sides	enter		10,174.3	-1,499.8	24.8	533,691.20	772,638.83	32° 27' 53.809 N	103° 35' 0.136 W
5000'VS (Queen Keely - plan hits target of - Rectangle (sides	enter		10,235.4	-4,999.7	53.8	530,191.30	772,667.76	32° 27' 19.176 N	103° 35' 0.086 W
PBHL (Queen Keely S - plan hits target of - Rectangle (sides	enter		10,291.8	-9,624.0	92.0	525,567.00	772,706.00	32° 26′ 33.416 N	103° 35' 0.018 W
LTP (Queen Keely Sta - plan misses targe - Point			10,291.8 358.3usft M	-9,529.0 ID (10290.7 1	92.0 ГVD, -9529.0	525,662.00 N, 91.2 E)	772,706.00	32° 26′ 34.356 N	103° 35' 0.011 W





Database: EDM 5000.15 Single User Db Company: Tap Rock Resources, LLC Project: Lea County, NM (NAD 83 NME) Site: (Queen Keely State Com) Sec-21_T-21-S_R-33-E
Well: Queen Keely State Com #111H

Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Queen Keely State Com #111H

KB @ 3763.0usft KB @ 3763.0usft

Grid

Formations						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
	1,785.1	1,785.0	Rustler			
	2,216.9	2,215.0	Top Salt			
	5,476.1	5,435.0	Base Salt			
	5,541.9	5,500.0	Delaware			
	5,546.9	5,505.0	Lamar			
	5,567.2	5,525.0	Bell			
	5,577.3	5,535.0	Ramsey			
	6,032.9	5,985.0	Cherry			
	7,055.3	6,995.0	Brushy			
	8,810.3	8,745.0	Bone Spring			
	9,000.3	8,935.0	Bone Spring Base			
	9,335.3	9,270.0	Avalon Middle			
	10,029.5	9,930.0	1st Bone Spring			

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Co +N/-S (usft)	ordinates +E/-W (usft)	Comment
1,500.		0.0	0.0	NUDGE - Build 1.00
2,394.	,	69.4	5.5	HOLD - 4776.9 at 2394.2 MD
7,171.	,	809.6	64.5	DROP1.00
8,065.	3 8,000.0	879.0	70.0	HOLD - 1553.8 at 8065.3 MD
9,619.	1 9,553.8	879.0	70.0	KOP - Build 10.00
10,504.	1 10,126.6	323.1	22.3	EOC/TRN - DLS 2.00 TFO -90.06
10,772.	7 10,133.6	54.9	12.0	Start 1555.3 hold at 10772.7 MD
12,328.	0 10,174.3	-1,499.8	24.8	Start DLS 2.00 TFO 0.00
12,353.	0 10,174.8	-1,524.8	25.0	Start 3475.5 hold at 12353.0 MD
15,828.	5 10,235.4	-4,999.7	53.8	Start DLS 2.00 TFO 0.00
15,843.	5 10,235.6	-5,014.6	53.9	Start 4609.9 hold at 15843.5 MD
20,453.	3 10,291.8	-9,624.0	92.0	TD at 20453.3