Form 3160-3 (June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STAT	FS			Expires: Jar	uary 31, 2018
DEPARTMENT OF THE BUREAU OF LAND MAI APPLICATION FOR PERMIT TO		OR DRS O	CD	5. Lease Serial No.	<del></del>
BUREAU OF LAND MA.	NAGEME	HOPDO .		NMNM116574	
APPLICATION FOR PERMIT TO	DRILL O	FEB 1 0 20	20	6. If Indian, Allotee of	or Tribe Name
		FEB 1 0 20			
la. Type of work:	REENTER	RECEIV	ED	7. If Unit or CA Agre	ement, Name and No.
1b. Type of Well: Oil Well Gas Well	Other	RECEI	, —	8. Lease Name and V	Vell No
1c. Type of Completion: Hydraulic Fracturing	Single Zone	Multiple Zone		BELL LAKE 24 FEE	<i>\\\</i>
	•	<del></del>		11H 399	
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP	(37)	-		9. API Well No.	6867
3a. Address	3b. Phon	e No. (include area cod	le)	10 Field and Pool, o	
333 West Sheridan Avenue Oklahoma City OK 73102	(800)583	•	´	1 / \ \'	416B / UPPER WOLF
4. Location of Well (Report location clearly and in accordance	e with any St	ate requirements.*)		II. Sec., T. R. M. or	Blk. and Survey or Area
At surface SWSE / 328 FSL / 1512 FEL / LAT 32.19	6808 / LON	G -103.624714		SEC 24 / T245 / R3	2E / NMP
At proposed prod. zone NWNE / 20 FNL / 1476 FEL /	LAT 32.210	389 / LONG -103.624	<b>58</b> 3		
14. Distance in miles and direction from nearest town or post of	office*			12. County or Parish LEA	13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No o	f acres in lease	17. Spaci	Unit dedicated to th	is well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  223 feet	· `	osed Depth	1/	BIA Bond No. in file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22 Appr	oximate date work will	start*	23. Estimated duration	ın.
3551 feet	02/28/20	1 5	Juni	45 days	
	24. At	tachments		1	
The following, completed in accordance with the requirements (as applicable)	of Onshore	Oil and Gas Order No.	I, and the F	Hydraulic Fracturing ru	le per 43 CFR 3162.3-3
Well plat certified by a registered surveyor.     A Drilling Plan.		4. Bond to cover the Item 20 above).	e operation	s unless covered by an	existing bond on file (see
A Surface Use Plan (if the location is on National Forest Sys SUPO must be filed with the appropriate Forest Service Office.)	stem Lands, t			mation and/or plans as r	may be requested by the
25. Signature (Electronic Submission)		me (Printed/Typed) becca Deal / Ph: (405	)228-8429		Date 08/02/2019
Title			·		

Regulatory Compliance Professional Approved by (Signature) Name (Printed/Typed) Date 01/29/2020 (Electronic Submission) Cody Layton / Ph: (575)234-5959 Title Office Assistant Field Manager Lands & Minerals **CARLSBAD** 

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

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

Jet Rec 02/10/2020 (Continued on page 2) \*(Instructions on page 2) proval Date: 01/29/2020

# PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: | Devon Energy Production Company LP

**LEASE NO.: | NMNM116574** 

WELL NAME & NO.: | Bell Lake 24 Fed 011H

SURFACE HOLE FOOTAGE: 328'/S & 1512'/E
BOTTOM HOLE FOOTAGE 20'N & 1476'/E

LOCATION: | Section 24, T.24 S., R.32 E., NMP

**COUNTY:** Lea County, New Mexico

COA

H2S	<b>©</b> Yes	C No	
Potash	© None	☐ Secretary	<b>C</b> R-111-P
Cave/Karst Potential	<b>E</b> Low	■ Medium	C High
Cave/Karst Potential	Critical		
Variance	■ None	Flex Hose	C Other
Wellhead	Conventional	■ Multibowl	<b>E</b> Both
Other	□ 4 String Area	☐ Capitan Reef	□ WIPP
Other	Fluid Filled	Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	ГСОМ	☐ Unit

#### A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware Mountain Group**. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

#### **B. CASING**

- 1. The 13-3/8 inch surface casing shall be set at approximately 1201 feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of 8

- **hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

# Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing shall be set at approximately 4990 feet is:

#### **Option 1 (Single Stage):**

• Cement to surface. If cement does not circulate see B.1.a, c-d above. Cement excess is less than 25%, more cement might be required.

#### **Option 2:**

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
  - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
     Cement excess is less than 25%, more cement might be required.

## Operator has proposed to pump down 13-3/8" X 9-5/8" annulus. Operator must run a CBL from TD of the 9-5/8" casing to surface. Submit results to BLM.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
  - Cement should tie-back at least 200 feet into previous casing string.
     Operator shall provide method of verification.
     Cement excess is less than 25%, more cement might be required.

#### C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

#### **Option 1:**

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be 3000 (3M) psi.

#### **Option 2:**

- 1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

#### **GENERAL REQUIREMENTS**

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
  - Eddy County
    Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822
  - ✓ Lea CountyCall the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)393-3612
- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - Notify the BLM when moving in and removing the Spudder Rig.
    - Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

#### A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
  - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not

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**Approval Date: 01/29/2020** 

- hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.
- C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

#### D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

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**Approval Date: 01/29/2020** 



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

# Operator Certification Data Report 02/06/2020

#### **Operator Certification**

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: Rebecca Deal Signed on: 08/02/2019

Title: Regulatory Compliance Professional

Street Address: 333 West Sheridan Avenue

City: Oklahoma City State: OK Zip: 73102

Phone: (405)228-8429

Email address: Rebecca.Deal@dvn.com

#### Field Representative

Representative Name:

Street Address: 333 W. Sheridan Ave

City: OKC State: OK Zip: 73102

Phone: (405)552-6556

Email address: blake.richardson@dvn.com



U.S. Department of the interior **BUREAU OF LAND MANAGEMENT** 

#### **Application Data Report** 02/06/2020

APD ID: 10400045262 Submission Date: 08/02/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED

Well Number: 11H

Well Type: OIL WELL

Well Work Type: Drill



Show Final Text

#### Section 1 - General

APD ID:

10400045262

Tie to previous NOS?

Submission Date: 08/02/2019

**BLM Office: CARLSBAD** 

User: Rebecca Deal

Title: Regulatory Compliance

**Professional** 

Is the first lease penetrated for production Federal or Indian? FED

Federal/Indian APD: FED Lease number: NMNM116574

Lease Acres: 680

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? Y

Permitting Agent? NO

APD Operator: DEVON ENERGY PRODUCTION COMPANY LP

Zip: 73102

Operator letter of designation:

#### **Operator Info**

Operator Organization Name: DEVON ENERGY PRODUCTION COMPANY LP

Operator Address: 333 West Sheridan Avenue

Operator PO Box:

Operator City: Oklahoma City

State: OK

Operator Phone: (800)583-3866

**Operator Internet Address:** 

#### **Section 2 - Well Information**

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: BELL LAKE 24 FED

Well Number: 11H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: WC-025 G-09

Pool Name: UPPER

S263416B

**WOLFCAMP** 

Well Name: BELL LAKE 24 FED

Well Number: 11H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the proposed well in a Helium production area? N

Use Existing Well Pad? N

New surface disturbance?

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: Bell

Number: 5

Well Class: HORIZONTAL

Lake 24 Wellpad Number of Legs: 1

on older. Horizottine

Well Work Type: Drill

Well Type: OIL WELL Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town:

Distance to nearest well: 223 FT

Distance to lease line: 328 FT

Reservoir well spacing assigned acres Measurement: 160 Acres

Well plat:

BELL\_LAKE\_24\_FED\_011H\_C\_102\_20190802092859.pdf

Well work start Date: 02/28/2021

**Duration: 45 DAYS** 

#### **Section 3 - Well Location Table**

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number:

Reference Datum: GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
SHL	328	FSL	151	FEL	24S	32E	24	Aliquot	32.19680		LEA					355	0	0	Υ
Leg			2			:		SWSE	8	103.6247		MEXI			116574	1			
#1										14		СО	СО						
KOP	200	FSL	147	FEL	24S	32E	24	Aliquot	32.19645	-	LEA	NEW	NEW	F	MMMM	-	902	902	Y
Leg			6					SWSE	6	103.6246		MEXI			116574	547	9	7	
#1										01		co	co			6			
PPP	100	FSL	147	FEL	248	32E	24	Aliquot	32.19618	-	LEA	NEW	NEW	F	NMNM	-	902	902	Υ
Leg			6					SWSE	2	103.6245		MEXI	1		116574	547	9	7	
#1-1										98		СО	СО			6			

Well Name: BELL LAKE 24 FED

Well Number: 11H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	QVT	Will this well produce from this lease?
EXIT Leg #1	100	FNL	147 6	FEL	248	32E	24	Aliquot NWNE		- 103.6245 83	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 116574	- 604 9	143 43	960 0	Υ
BHL Leg #1	20	FNL	147 6	FEL	248	32E	1	Aliquot NWNE	32.21038 9	- 103.6245 83	LEA	NEW MEXI CO	,,,_,,	F	NMNM 116574	- 604 9	I	960 0	Y



#### U.S. Department of the Interior **BUREAU OF LAND MANAGEMENT**

# **Drilling Plan Data Report**

APD ID: 10400045262

Well Type: OIL WELL

Submission Date: 08/02/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED

Well Number: 11H

Well Work Type: Drill



**Show Final Text** 

#### **Section 1 - Geologic Formations**

Formation			True Vertical	Measured			Producing
ID	Formation Name	Elevation	Depth	Depth	Lithologies	Mineral Resources	Formation
507276	-	3576	0	0	OTHER : SURFACE	NONE	N
507277	RUSTLER	2400	1176	1176	ANHYDRITE	NONE	N
507278	SALADO	2076	1500	1500	SALT	NONE	N
507279	BASE OF SALT	-1400	4976	4976	SANDSTONE	NATURAL GAS, OIL	N
507280	BELL CANYON	-1439	5015	5015	SANDSTONE	NATURAL GAS, OIL	N
507281	CHERRY CANYON	-2369	5945	5945	SANDSTONE	NATURAL GAS, OIL	N
507282	BRUSHY CANYON	-3885	7461	7461	SANDSTONE	NATURAL GAS, OIL	N
507288	BONE SPRING LIME	-5341	8917	8917	LIMESTONE	NATURAL GAS, OIL	N
507289	UPPER AVALON SHALE	-5551	9127	9127	SHALE	NATURAL GAS, OIL	Y

#### **Section 2 - Blowout Prevention**

Pressure Rating (PSI): 5M

Rating Depth: 4990

Equipment: BOP/BOPE will be installed per Onshore Oil & Gas Order #2 requirements prior to drilling below surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 5M will be installed on the wellhead system. BOP/BOPE will be tested by an independent service company per Onshore Oil & Gas Order #2 requirements and MASP (Maximum Anticipated Surface Pressure) calculations. If the system is upgraded, all the components installed will be functional and tested. Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP stack to the choke manifold. See attached for specs for hydrostatic test chart.

Testing Procedure: A multibowl wellhead may be used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

#### **Choke Diagram Attachment:**

5M\_BOPE\_\_CK\_20190730113129.pdf

**BOP Diagram Attachment:** 

Well Name: BELL LAKE 24 FED

Weil Number: 11H

5M\_BOPE\_\_CK\_20190730113129.pdf

5M\_BOPE\_\_CK\_20190730113136.pdf

Pressure Rating (PSI): 5M

Rating Depth: 9600

Equipment: BOP/BOPE will be installed per Onshore Oil & Gas Order #2 requirements prior to drilling below intermediate casing, a 13-5/8" BOP/BOPE system with a minimum rating of 5M will be installed on the wellhead system. BOP/BOPE will be tested by an independent service company per Onshore Oil & Gas Order #2 requirements and MASP (Maximum Anticipated Surface Pressure) calculations. If the system is upgraded, all the components installed will be functional and tested.

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP stack to the choke manifold. See attached for specs for hydrostatic test chart.

Testing Procedure: A multibowl wellhead may be used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

#### **Choke Diagram Attachment:**

5M\_BOPE\_20190731125816.pdf

#### **BOP Diagram Attachment:**

5M\_BOPE\_20190731125823.pdf

#### Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1201	0	1201	3551	2350	1201	H-40	48	ST&C	1.12 5	1	BUOY	1.6	BUOY	1.6
1	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	4990	0	4990	3576	-1439	4990	J-55			1.12 5	1	BUOY	1.6	BUOY	1.6
1	PRODUCTI ON	8.75	5.5	NEW	API	N	0	14425	0	9600	3576	-6049	14425	P- 110	I		1.12 5	1	BUOY	1.6	BUOY	1.6

Well Name: BELL LAKE 24 FED Well Number: 11H **Casing Attachments** Casing ID: 1 String Type: SURFACE **Inspection Document: Spec Document: Tapered String Spec:** Casing Design Assumptions and Worksheet(s): Surf\_Csg\_Ass\_20190730113310.pdf Casing ID: 2 **String Type:**INTERMEDIATE **Inspection Document: Spec Document: Tapered String Spec:** Casing Design Assumptions and Worksheet(s): Int\_Csg\_Ass\_20190730113522.pdf Casing ID: 3 **String Type:**PRODUCTION **Inspection Document: Spec Document: Tapered String Spec:** Casing Design Assumptions and Worksheet(s): Prod\_Csg\_Ass\_20190730113701.pdf

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

**Section 4 - Cement** 

Well Name: BELL LAKE 24 FED

Well Number: 11H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1201	908	1.44	13.2	1307	50	С	Class C + adds

INTERMEDIATE	Lead	0	4990	548	3.27	9	1791	30	С	Class C + adds
INTERMEDIATE	Tail	4990	4990	154	1.44	13.2	221.5	30	С	Class C + adds
PRODUCTION	Lead	4990	9029	387	3.27	9	1265. 7	25	TUNED	Class C + adds
PRODUCTION	Tail	9029	1442 5	1041	1.44	13.2	1449	25	Н	(50:50) Clas H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite

#### **Section 5 - Circulating Medium**

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

#### **Circulating Medium Table**

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	ЬН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1201	WATER-BASED MUD	8.5	9				2			

Well Name: BELL LAKE 24 FED

Well Number: 11H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (Ibs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	РН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1201	4990	SALT SATURATED	10	10.5				2			
4990	1442 5	WATER-BASED MUD	8.5	9				12			

#### Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Will run GRMWD from TD to from KOP. Cement bond logs will be run in vertical to determine top of cement. Stated logs run will be in the Completion Report and submitted to the BLM.

List of open and cased hole logs run in the well:

CALIPER, CEMENT BOND LOG, DIRECTIONAL SURVEY, GAMMA RAY LOG, MUD LOG/GEOLOGICAL LITHOLOGY LOG,

Coring operation description for the well:

N/A

#### **Section 7 - Pressure**

Anticipated Bottom Hole Pressure: 4493

Anticipated Surface Pressure: 2381

Anticipated Bottom Hole Temperature(F): 134

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Bell\_Lake\_24\_Fed\_011H\_H2S\_Plan\_20190802094122.pdf

Well Name: BELL LAKE 24 FED Well Number: 11H

#### **Section 8 - Other Information**

#### Proposed horizontal/directional/multi-lateral plan submission:

Bell\_Lake\_24\_Fed\_11H\_Plot\_20190802094145.pdf
Bell\_Lake\_24\_Fed\_11H\_Dir\_Svy\_20190802094145.pdf

#### Other proposed operations facets description:

DIRECTIONAL SURVEY
PLOT
DRILLING PLAN
SPEC SHEETS
MB WELLHEAD
MB VERBIAGE
CLOSED LOOP DOC
SPUDDER RIG REQUEST
GAS CAPTURE PLAN
ANNULAR VARIANCE REQUEST DOC

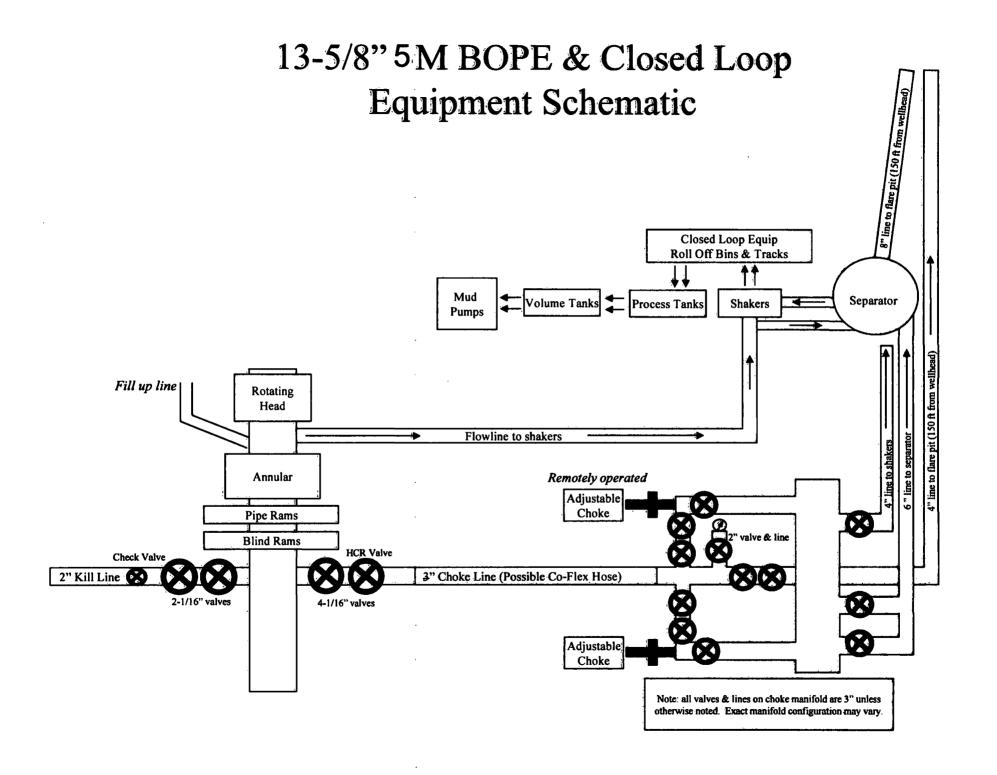
#### Other proposed operations facets attachment:

**COFLEX DOC** 

13.375\_48\_H40\_20190730115538.pdf
5.5\_17\_P\_110\_BTC\_20190730115614.pdf
9.625\_40lb\_J\_55\_20190731130243.pdf
Bell\_Lake\_WP5\_GCP\_Form\_20190802084905.pdf
Clsd\_Loop\_20190730115304.pdf
MB\_Verb\_5M\_20190731130323.pdf
MB\_Wellhd\_5M\_13.375\_9.625\_20190731130204.pdf
Spudder\_Rig\_Info\_20190730115304.pdf
Bell\_Lake\_24\_Fed\_11H\_Drlg\_Plan\_20190802094159.pdf

#### Other Variance attachment:

Co\_flex\_20190730115411.pdf





Devon Energy Center 333 West Sheridan Avenue Oklahoma City, Oklahoma 73102-5015

# Hydrogen Sulfide (H₂S) Contingency Plan

For

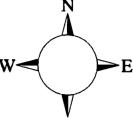
Bell Lake 24 Fed 011H

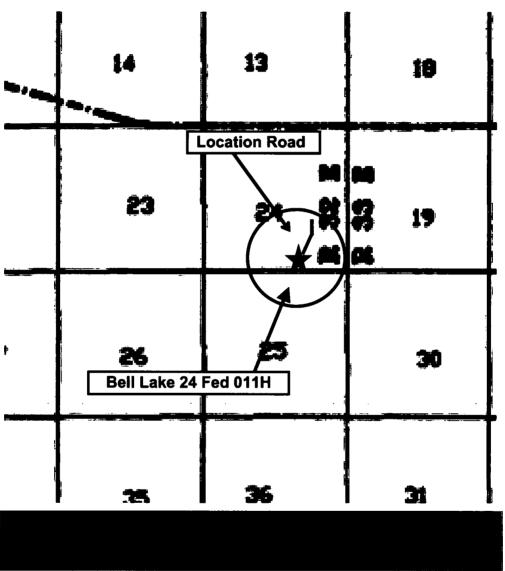
Sec-24 T-24S R-32E 328' FSL & 1512 FEL LAT. = 32.196808' N (NAD83) LONG = 103.624714' W

**Lea County NM** 

#### Bell Lake 24 Fed 011H

This is an open drilling site. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H<sub>2</sub>S, including warning signs, wind indicators and H<sub>2</sub>S monitor.





#### **Escape**

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crews should then block the entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

# Assumed 100 ppm ROE = 3000' 100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.

#### **Emergency Procedures**

In the event of a release of gas containing H<sub>2</sub>S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H<sub>2</sub>S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
  - o Detection of H₂S, and
  - o Measures for protection against the gas,
  - o Equipment used for protection and emergency response.

#### **Ignition of Gas Source**

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

#### Characteristics of H<sub>2</sub>S and SO<sub>2</sub>

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H <sub>2</sub> S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO <sub>2</sub>	2.21 Air = 1	2 ppm	N/A	1000 ppm

#### **Contacting Authorities**

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with

the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

#### **Hydrogen Sulfide Drilling Operation Plan**

#### I. HYDROGEN SULFIDE (H2S) TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- 1. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S)
- 2. The proper use and maintenance of personal protective equipment and life support systems.
- 3. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- 4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- 1. The effects of H<sub>2</sub>S metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- 2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- 3. The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H<sub>2</sub>S zone (within 3 days or 500 feet) and weekly H<sub>2</sub>S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H<sub>2</sub>S Drilling Operations Plan and the Public Protection Plan.

#### II. HYDROGEN SULFIDE TRAINING

Note: All H<sub>2</sub>S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H<sub>2</sub>S.

#### 1. Well Control Equipment

- A. Flare line
- B. Choke manifold Remotely Operated
- C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
- D. Auxiliary equipment may include if applicable: annular preventer and rotating head.
- E. Mud/Gas Separator

#### 2. Protective equipment for essential personnel:

30-minute SCBA units located at briefing areas, as indicated on well site diagram, with escape units available in the top doghouse. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

#### 3. H<sub>2</sub>S detection and monitoring equipment:

Portable H<sub>2</sub>S monitors positioned on location for best coverage and response. These units have warning lights which activate when H<sub>2</sub>S levels reach 10 ppm and audible sirens which activate at 15 ppm. Sensor locations:

- Bell nipple
- Possum Belly/Shale shaker
- Rig floor
- Choke manifold
- Cellar

#### Visual warning systems:

- A. Wind direction indicators as shown on well site diagram
- B. Caution/ Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

#### 4. Mud program:

The mud program has been designed to minimize the volume of H<sub>2</sub>S circulated to surface. Proper mud weight, safe drilling practices and the use of H<sub>2</sub>S scavengers will minimize hazards when penetrating H<sub>2</sub>S bearing zones.

#### 5. Metallurgy:

- A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H<sub>2</sub>S trim.
- B. All elastomers used for packing and seals shall be H<sub>2</sub>S trim.

#### 6. Communication:

- A. Company personnel have/use cellular telephones in the field.
- B. Land line (telephone) communications at Office

#### 7. Well testing:

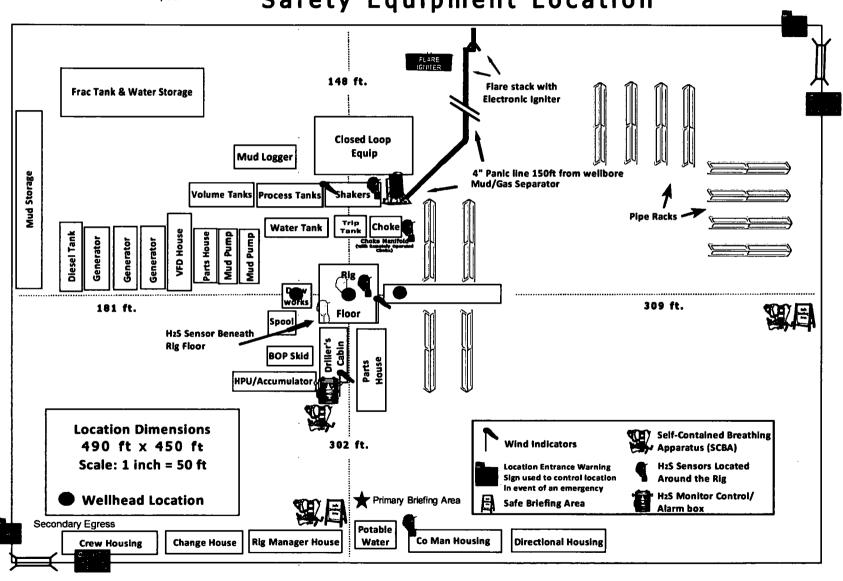
- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H<sub>2</sub>S environment will use the closed chamber method of testing.
- B. There will be no drill stem testing.

Devon En	ergy Corp. Company Call List	
Drilling Su	pervisor – Basin – Mark Kramer	405-823-4796
EHS Profe	essional – Laura Wright	405-439-8129
Agency	Call List	
Lea	Hobbs	
County	Lea County Communication Authority	393-3981
<u>(575)</u>	State Police	392-5588
	City Police	397-9265
	Sheriff's Office	393-2515
	Ambulance	911
	Fire Department	397-9308
	LEPC (Local Emergency Planning Committee)	393-2870
	NMOCD	393-6161
	US Bureau of Land Management	393-3612
Eddy	Carlsbad	
County	State Police	885-3137
(575)	City Police	885-2111
	Sheriff's Office	887-7551
	Ambulance	911
	Fire Department	885-3125
	LEPC (Local Emergency Planning Committee)	887-3798
	US Bureau of Land Management	887-6544
	NM Emergency Response Commission (Santa Fe)	(505) 476-9600
	24 HR	(505) 827-9126
	National Emergency Response Center	(800) 424-8802
	National Pollution Control Center: Direct	(703) 872-6000
	For Oil Spills	(800) 280-7118
	Emergency Services	.(000).200 1 1 10
	Wild Well Control	(281) 784-4700
	Cudd Pressure Control (915) 699-0139	(915) 563-3356
	Halliburton	(575) 746-2757
	B. J. Services	(575) 746-3569
Give	Native Air – Emergency Helicopter – Hobbs (TX & NM)	(800) 642-7828
GPS	Flight For Life - Lubbock, TX	(806) 743-9911
position:	Aerocare - Lubbock, TX	(806) 747-8923
poomom	Med Flight Air Amb - Albuquerque, NM	(575) 842-4433
	Lifeguard Air Med Svc. Albuquerque, NM	(800) 222-1222
	Poison Control (24/7)	(575) 272-3115
	Oil & Gas Pipeline 24 Hour Service	(800) 364-4366
	NOAA – Website - www.nhc.noaa.gov	(000) 004-4000
	110/V1 - Website - www.fillo.floaa.gov	

Prepared in conjunction with Dave Small

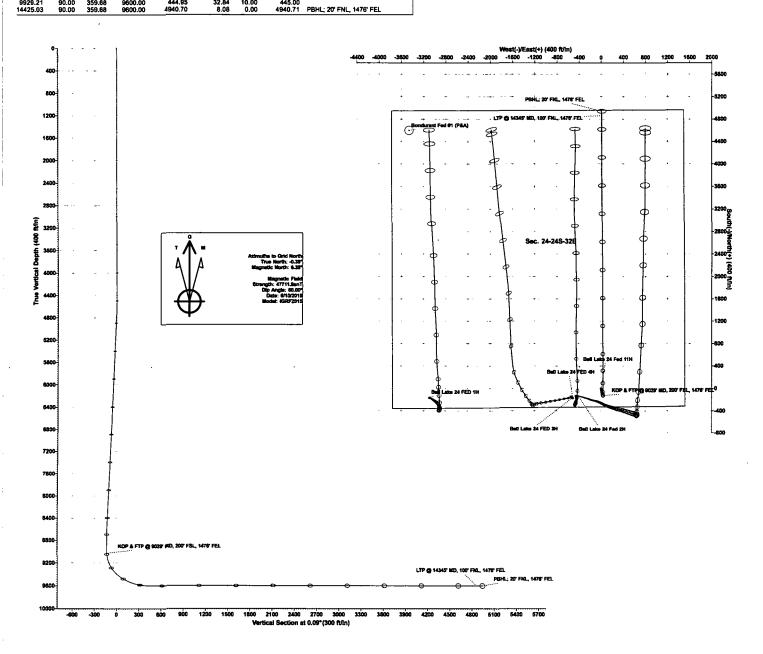


### Devon Energy - Well Pad Rig Location Layout Safety Equipment Location



#### 

# devon



### **WCDSC Permian NM**

Lea County (NAD83 New Mexico East) Sec 24-24S-32E Bell Lake 24 Fed 11H

Wellbore #1

Plan: Permit Plan 1

## **Standard Planning Report - Geographic**

11 June, 2019

Database:

EDM r5000.141\_Prod US

Local Co-ordinate Reference

Survey Calculation Method:

Well Bell Lake 24 Fed 11H

Company: Project:

WCDSC Permian NM

TVD Reference:

RKB @ 3575.50ft

Site:

Lea County (NAD83 New Mexico East) Sec 24-24S-32E

MD Reference:

RKB @ 3575.50ft Grid

Well:

Bell Lake 24 Fed 11H

North Reference:

Minimum Curvature

Wellbore:

Wellbore #1

Design: Project Permit Plan 1

Lea County (NAD83 New Mexico East)

Map System:

US State Plane 1983

System Datum:

Mean Sea Level

Geo Datum:

North American Datum 1983

Map Zone:

New Mexico Eastern Zone

Sec 24-24S-32E

Site Position:

Northing:

-0.83 usft

Latitude:

30.988439

From:

Well Position

Site

Мар

Easting:

-99.96 usft

Longitude:

-106.061149

**Position Uncertainty:** 

0.00 ft Slot Radius: 13-3/16 "

**Grid Convergence:** 

-0.89°

Bell Lake 24 Fed 11H Well

> +N/-S +E/-W

0.00 ft

Northing:

436,055.51 usft

Latitude:

32.196808

**Position Uncertainty** 

0.00 ft 0.50 ft

Easting: Wellhead Elevation: 760,532.98 usft

Longitude: **Ground Level:**  -103.624714 3,550.50 ft

Wellbore #1 Wellbore

**Magnetics Model Name** Sample Date Declination Dip Angle Field Strength (°) (°) (nT) IGRF2015 6/10/2019 6.76 60.00 47,711.90888154

Design

Permit Plan 1

**Audit Notes:** 

Version:

Phase:

**PROTOTYPE** 

Tie On Depth:

0.00

Depth From (TVD)

+N/-S (ft)

+E/-W

Direction

Vertical Section:

0.00

0.00

(ft) 0.00 0.09

Plan Survey Tool Program

(ft)

6/10/2019 Date

Depth From

Depth To

Survey (Wellbore) (ft)

**Tool Name** 

Remarks

0.00

14,425.03 Permit Plan 1 (Wellbore #1)

MWD+HDGM

OWSG MWD + HDGM

lan Sections	•			. =			•			
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,689.49	1.89	164.29	4,689.45	-3.02	0.85	1.00	1.00	0.00	164.29	
8,552.85	1.89	164.29	8,550.70	-125.99	35.43	0.00	0.00	0.00	0.00	
8,679.17	0.00	0.00	8,677.00	-128.00	36.00	1.50	-1.50	0.00	180.00	
9,029.21	0.00	0.00	9,027.04	-128.00	36.00	0.00	0.00	0.00	0.00	
9,929.21	90.00	359.68	9,600.00	444.95	32.84	10.00	10.00	0.00	359.68	PBHL - Bell Lake 2
14,425.03	90.00	359.68	9,600.00	4,940.70	8.08	0.00	0.00	0.00	0.00	PBHL - Bell Lake 2

Database:

EDM r5000.141\_Prod US

Company:

WCDSC Permian NM

Project:

Lea County (NAD83 New Mexico East)

Site:

Sec 24-24S-32E

Well: Wellbore: Bell Lake 24 Fed 11H

Wellbore #1

Local Co-ordinate Reference

TVD Reference:

RKB @ 3575.50ft

Well Bell Lake 24 Fed 11H

MD Reference:

RKB @ 3575.50ft

North Reference:

**Survey Calculation Method:** 

Grid Minimum Curvature

Design: Permit Plan 1

Planned Survey	,						· 4		
Measured			Vertical			Мар	Мар		
Depth	Inclination	Azlmuth	Depth	+N/-S	+E/-W	Northing	Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
100.00	0.00	0.00	100.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
200.00	0.00	0.00	200.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
300.00	0.00	0.00	300.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
400.00	0.00	0.00	400.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
500.00	0.00	0.00	500.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
600.00	0.00	0.00	600.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
700.00 800.00	0.00 0.00	0.00 0.00	700.00 800.00	0.00 0.00	0.00 0.00	436,055.51 436.055.51	760,532.98 760,532.98	32.196808 32.196808	-103.624714 -103.624714
900.00	0.00	0.00	900.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,000.00	0.00	0.00	1,000.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,100.00	0.00	0.00	1,100.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,200.00	0.00	0.00	1,200.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,300.00	0.00	0.00	1,300.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,400.00	0.00	0.00	1,400.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,500.00	0.00	0.00	1,500.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,600.00	0.00	0.00	1,600.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,700.00	0.00	0.00	1,700.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,800.00	0.00	0.00	1,800.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
1,900.00	0.00	0.00	1,900.00	0.00	0.00	436,055.51	760,532,98	32.196808	-103.624714
2,000.00	0.00	0.00	2,000.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,100.00	0.00	0.00	2,100.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,200.00	0.00	0.00	2,200.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,300.00	0.00	0.00	2,300.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,400.00	0.00	0.00	2,400.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,500.00	0.00	0.00	2,500.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,600.00	0.00	0.00	2,600.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,700.00	. 0.00	0.00	2,700.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,800.00	0.00	0.00	2,800.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
2,900.00	0.00	0.00	2,900.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,000.00	0.00	0.00	3,000.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,100.00	0.00	0.00	3,100.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,200.00	0.00	0.00	3,200.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,300.00	0.00	0.00	3,300.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,400.00	0.00	0.00	3,400.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,500.00	0.00	0.00	3,500.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,600.00	0.00	0.00	3,600.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,700.00	0.00	0.00	3,700.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
3,800.00 3,900.00	0.00 0.00	0.00 0.00	3,800.00 3,900.00	0.00 0.00	0.00 0.00	436,055.51 436,055.51	760,532.98	32.196808	-103.624714
4,000.00	0.00	0.00	4,000.00	0.00	0.00	436,055.51	760,532.98 760,532.98	32.196808 32.196808	-103.624714 -103.624714
4,100.00	0.00	0.00	4,100.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
4,200.00	0.00	0.00	4,200.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
4,300.00	0.00	0.00	4,300.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
4,400.00	0.00	0.00	4,400.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
4,500.00	0.00	0.00	4,500.00	0.00	0.00	436,055.51	760,532.98	32.196808	-103.624714
4,600.00	1.00	164.29	4,600.00	-0.84	0.24	436,054.67	760,533.21	32.196806	-103.624713
4,689.49	1.89	164.29	4,689.45	-3.02	0.85	436,052.49	760,533.83	32.196800	-103.624712
4,700.00	1.89	164.29	4,699.96	-3.35	0.94	436,052.16	760,533.92	32.196799	-103.624711
4,800.00	1.89	164.29	4,799.91	-6.53	1.84	436,048.98	760,534.81	32.196790	-103.624711
4,900.00	1.89	164.29	4,899.85	-9.72	2.73	436,045.79	760,535.71	32.196782	-103.624706
5,000.00	1.89	164.29	4,999.80	-12.90	3.63	436,042.61	760,536.61	32.196773	-103.624703
5,100.00	1.89	164.29	5,099.74	-16.08	4.52	436,039.43	760,537.50	32.196764	-103.624700
5,200.00	1.89	164.29	5,199.69	-19.27	5.42	436,036.24	760,538.40	32.196755	-103.624697

Database:

EDM r5000.141\_Prod US

Company:

WCDSC Permian NM

Project:

Lea County (NAD83 New Mexico East)

Site:

Sec 24-24S-32E

Well: Wellbore: Bell Lake 24 Fed 11H Wellbore #1

Design:

**Local Co-ordinate Reference** 

TVD Reference: MD Reference:

RKB @ 3575.50ft

Well Bell Lake 24 Fed 11H

RKB @ 3575.50ft

North Reference: Survey

Grid

Planned Survey

Permit Plan 1

Calculation Method: Mir	nimum Curvature
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Map	Planned Survey	,								
Depth   Incilination   Azimumb   Depth   +NLS   +EL-W   Northing   Easting   Leittude   Longitude	Measured			Vertical			Мар	Мар		
(ft)	Depth	inclination	Azlmuth		+N/-S	+E/-W		="		
5.500.00 1.89 164.29 5.598.52 2-8.82 3.00 436.026.89 760.541.08 32.196729 -1.03.824698 5.600.00 1.89 164.29 5.598.67 32.00 9.00 436.023.51 760.541.08 32.196720 -1.03.824698 5.600.00 1.89 164.29 5.598.67 33.00 9.00 436.023.51 760.541.08 32.196720 -1.03.824698 5.600.00 1.89 164.29 5.598.60 1.07 9 436.017.15 760.543.77 32.196703 -1.03.824698 5.590.00 1.89 164.29 5.599.30 441.55 11.89 436.017.15 760.543.77 32.196703 -1.03.824698 5.590.00 1.89 164.29 5.599.80 30 441.55 11.89 436.017.15 760.543.77 32.196703 -1.03.824698 6.100.00 1.89 164.29 5.599.80 44 7.31 12.86 436.010.78 760.545.64 32.196695 -1.03.824678 6.100.00 1.89 164.29 6.599.80 5.590.80 14.79	-			•			-	-	Latitude	Longitude
5,500.00 1,89 164.29 5,599.52 -28.82 8.10 436,026.69 760,541.98 32,196722 -103.624696 5,700.00 1,89 164.29 5,599.34 -32.00 9.00 436,023.51 760,541.98 32,196702 -103.624696 5,700.00 1,89 164.29 5,799.36 -38.36 9.89 436,020.33 760,542.87 32,196712 -103.624696 5,700.00 1,89 164.29 5,799.36 -38.36 10.79 436,017.15 760,543.77 32,196703 -103.624690 5,900.00 1,89 164.29 5,599.32 -44.73 11.59 436,013.90 760,545.66 32,196694 -103.624691 6,000.00 1,89 164.29 5,999.25 -44.73 11.59 436,010.78 760,545.66 32,196694 -103.624674 6,100.00 1,89 164.29 6,199.14 -51.10 14.37 436,004.41 760,545.66 32,196695 -103.624674 6,000.00 1,89 164.29 6,199.14 -51.10 14.37 436,004.41 760,545.66 32,196696 -103.624674 6,000.00 1,89 164.29 6,999.03 -57.46 11.69 436,007.80 760,546.24 32,196695 -103.624674 6,000.00 1,89 164.29 6,999.03 -57.46 11.69 436,990.05 760,549.14 32,196695 -103.624696 6,500.00 1,89 164.29 6,989.90 -57.65 -80.65 17.06 435,994.69 760,550.03 32,196664 -103.624693 6,500.00 1,89 164.29 6,989.92 -58.83 17.95 435,994.69 760,550.03 32,196640 -103.624693 6,500.00 1,89 164.29 6,989.92 -58.83 17.95 435,994.69 760,550.03 32,196640 -103.624693 6,500.00 1,89 164.29 6,989.87 -70.01 18.85 435,989.58 760,550.13 32,196624 -103.624693 6,500.00 1,89 164.29 6,988.67 -7.33 80.04 435,982.13 760,553.61 32,196624 -103.624693 6,500.00 1,89 164.29 6,988.67 -7.73 88 20.64 435,982.13 760,553.61 32,196624 -103.624693 7,000.00 1,89 164.29 6,988.67 -7.73 88 20.64 435,982.13 760,553.61 32,196604 -103.624693 7,000.00 1,89 164.29 6,988.67 -7.73 88 20.64 435,982.13 760,553.61 32,196604 -103.624694 7,000.00 1,89 164.29 6,988.67 -7.73 88 20.64 435,982.13 760,553.61 32,196604 -103.624694 7,000.00 1,89 164.29 7,988.65 -7.73 88 20.64 435,982.13 760,553.63 32,196659 -103.624694 7,000.00 1,89 164.29 7,988.65 -7.73 88 20.64 435,982.73 760,553.63 32,196659 -103.624694 7,000.00 1,89 164.29 7,988.65 -7.73 88 20.64 435,982.73 760,553.63 32,196659 -103.624694 7,000.00 1,89 164.29 7,988.65 -7.73 88 20.64 435,982.73 760,553.63 32,196659 -103.624690 7,000.00 1,89 164.29 7,988	5,300.00			5,299.63	-22.45	6.31	436,033.06	760,539.29	32.196747	-103.624694
5,700.00 1,89 164.29 5,599.47 32.00 9.00 436,022.51 780,0541.89 32,196720 1-03.624686 5,700.00 1,89 164.29 5,709.30 34.15.51 11.69 436,071.15 780,0542.87 32,196703 1-03.624680 5,900.00 1,89 164.29 5,999.30 44.15.51 11.69 436,071.15 780,0543.77 32,196703 1-03.624680 6,000.00 1,89 164.29 5,999.25 44.73 12.58 436,071.078 780,0545.56 32,196665 1-03.624677 6,000.00 1,89 164.29 6,099.09 1-42.91 13.48 436,071.078 780,0545.56 32,196665 1-03.624677 6,200.00 1,89 164.29 6,199.09 1-47.91 13.48 436,071.078 780,0545.56 32,196668 1-03.624677 6,200.00 1,89 164.29 6,299.08 1-54.28 15.27 436,004.41 780,047.33 32,196668 1-03.624669 6,400.00 1,89 164.29 6,299.08 1-54.28 15.27 436,004.41 780,047.33 32,196668 1-03.624669 6,400.00 1,89 164.29 6,299.08 1-54.28 15.27 435,004.21 780,0545.24 13.21,066680 1-03.624669 6,600.00 1,89 164.29 6,598.89 6.00 65.00 1,70 6,435,194.80 10.00 1.00 1,70 1,70 1,70 1,70 1,70 1,70 1,70 1,	5,400.00	1.89	164.29	5,399.58	-25.63	7.21	436,029.88	760,540.19	32.196738	-103.624691
5,700.00 1,89 164.29 5,799.36 3,836.8 19.89 456,002.03 760,542.87 32,196703 103,824690 5,900.00 1,89 164.29 5,799.36 3,836.80 10,79 445,017.15 760,545.56 32,196803 103,824690 5,900.00 1,89 164.29 5,899.30 41.55 11,89 456,013.98 760,544.56 32,196803 103,824670 6,000.00 1,89 164.29 5,999.25 44.73 12,58 426,010.78 760,545.56 32,196805 103,824670 6,000.00 1,89 164.29 6,099.19 47.91 13,48 456,010.78 760,545.56 32,196805 103,824670 6,200.00 1,89 164.29 6,299.00 14.55 103,427.40 14.37 456,004.10 14.37	5,500.00	1.89	164.29	5,499.52	-28.82	8.10	436,026.69	760,541.08	32.196729	-103.624689
5,800.00 1,89 164.29 5,799.36 38.36 10.79 435,071.15 780,543.77 32 196703 1-03.624690   5,900.00 1,89 164.29 5,599.30 -41.55 11.68 436,013.96 790,546.46 22 1966865 1-03.624677   6,000.00 1,89 164.29 6,799.19 47.91 13.48 436,007.60 790,546.45 32 1966676 1-03.624677   6,200.00 1,89 164.29 6,799.20 5-52,89 15.27 456,004.41 760,547.35 32 196676 1-03.624679   6,200.00 1,89 164.29 6,799.20 5-52,89 15.27 456,004.41 760,547.35 32 196668 1-03.624696   6,200.00 1,89 164.29 6,399.00 5-52,89 15.27 456,004.41 760,547.35 32 196668 1-03.624696   6,500.00 1,89 164.29 6,399.03 5-57.46 15,16 435,699.05 760,546.14 32 196550 1-03.624696   6,500.00 1,89 164.29 6,798.98 1-06.20469   6,500.00 1,89 164.29 6,798.91 1-70.20 11.86 5 435,599.88 760,550.93 32 196843 1-03.624659   6,700.00 1,89 164.29 6,798.81 -70.20 11.87 435,988.50 760,551.83 32 196666 1-03.624655   6,800.00 1,89 164.29 6,798.81 -70.20 11.87 435,988.50 760,551.83 32 196666 1-03.624655   6,800.00 1,89 164.29 6,788.81 -70.20 11.87 435,988.50 760,551.83 32 196666 1-03.624655   6,800.00 1,89 164.29 6,798.81 -70.20 11.87 435,988.50 760,555.81 32 196666 1-03.624655   6,800.00 1,89 164.29 6,798.81 -70.20 11.87 435,988.50 760,551.83 32 196666 1-03.624655   6,800.00 1.89 164.29 7,798.50 1-76.55 21.33 455,987.55 77 760,555.61 32 196666 1-03.624655   6,800.00 1.89 164.29 7,798.59 1-78.74 22.43 435,978.57 760,555.61 32 196666 1-03.624656   7,000.00 1.89 164.29 7,798.59 1-28.20 21.33 435,978.57 760,555.61 32 196566   7,000.00 1.89 164.29 7,798.50 1-78.74 22.43 435,978.57 760,555.61 32 196566   7,000.00 1.89 164.29 7,798.50 1-78.74 22.43 435,978.50 760,555.99 32 196557   7,000.00 1.89 164.29 7,798.50 1-78.74 22.43 435,978.50 760,555.99 32 196559   7,000.00 1.89 164.29 7,798.50 1-78.74 22.43 435,978.50 760,555.99 32 196559   7,000.00 1.89 164.29 7,798.50 1-78.74 22.43 435,978.50 760,555.99 32 196559   7,000.00 1.89 164.29 7,798.50 1-78.74 22.43 435,978.50 760,556.99 32 196559   7,000.00 1.89 164.29 7,798.50 1-78.74 22.43 435,978.50 1-780,556.99 32 196559   7,000.00 1.89 164.29 7,798.50	5,600.00	1.89	164.29	5,599.47	-32.00	9.00	436,023.51	760,541.98	32.196720	-103.624686
5,900.00 1.89 164.28 5,989.30 -41.55 11.69 436,013.96 760,544.66 32,196694 1-103.624677 6,100.00 1.89 164.28 6,099.19 -47.91 13.48 436,010.78 760,545.58 32,196695 1-103.624674 6,100.00 1.89 164.28 6,199.14 5-11.00 14.37 436,004.41 760,547.35 32,196698 1-103.624676 6,200.00 1.89 164.28 6,299.08 -54.28 15.27 436,004.61 760,547.35 32,196698 1-103.624696 6,300.00 1.89 164.28 6,989.03 5-74.80 16.16 435,990.05 760,549.14 32,196650 1-103.624696 6,500.00 1.89 164.28 6,499.88 -40.65 17.06 435,994.86 760,550.03 32,196633 1-103.624696 6,600.00 1.89 164.28 6,899.82 -63.83 17.95 435,991.68 760,559.03 32,19663 1-103.624696 6,600.00 1.89 164.28 6,898.87 -47.01 18.85 435,890.65 760,549.14 32,196624 1-103.624696 6,600.00 1.89 164.29 6,898.87 -47.01 19.74 435,898.31 760,552.25 23,196614 1-103.624696 7,000.00 1.89 164.29 6,898.87 -73.38 20.64 435,898.50 760,559.13 32,19663 1-103.624696 7,000.00 1.89 164.29 6,898.70 -75.56 21.53 435,971.68 760,559.31 32,196606 1-103.624696 7,000.00 1.89 164.29 6,898.70 -75.56 21.53 435,971.65 760,555.11 32,196606 1-103.624696 7,000.00 1.89 164.29 7,098.65 -79.74 23 23 23.34 435,975.77 760,555.81 32,196606 1-103.624696 7,000.00 1.89 164.29 7,098.65 -79.74 24 22.43 435,975.77 760,555.81 32,196606 1-103.624696 7,000.00 1.89 164.29 7,098.65 -79.74 24.22 435,969.60 760,555.81 32,196606 1-103.624638 7,000.00 1.89 164.29 7,298.64 -86.11 24.22 42 435,669.00 760,557.20 32,196506 1-103.624638 7,000.00 1.89 164.29 7,298.64 -86.11 24.22 42 435,669.00 760,557.20 32,196506 1-103.624638 7,000.00 1.89 164.29 7,898.89 22 23.32 23.32 23.575.56 13 32,196506 1-103.624638 7,000.00 1.89 164.29 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11 24.22 7,298.64 -86.11	5,700.00	1.89	164.29	5,699.41	-35.18	9.89		760,542.87	32.196712	-103.624683
6,000.00 18.9 164.28 5,999.25 -44.73 12.58 436,010.78 760,546.56 32,196675 1-03.824672 6,200.00 18.9 164.28 6,199.14 -51.10 14.37 436,004.41 760,547.35 32,196675 1-03.824672 6,200.00 18.9 164.28 6,199.14 -51.10 14.37 436,004.41 760,547.35 32,196675 1-03.824669 6,400.00 18.9 164.29 6,399.03 -57.48 15.27 436,001.23 760,548.14 32,196659 1-03.824669 6,500.00 18.9 164.29 6,399.03 -57.48 15.27 436,001.23 760,548.14 32,196659 1-03.824659 6,500.00 18.9 164.29 6,598.92 -43.83 17.95 435,994.68 760,550.03 32,196634 1-03.824659 6,600.00 18.9 164.29 6,598.82 -43.83 17.95 435,994.68 760,550.03 32,196634 1-03.824659 6,600.00 18.9 164.29 6,798.81 -70.20 19.74 435,894.50 760,550.93 32,196634 1-03.824659 6,600.00 18.9 164.29 6,798.81 -70.20 19.74 435,895.31 760,552.72 32,196634 1-03.824659 7,000.00 18.9 164.29 6,798.81 -70.20 19.74 435,895.31 760,552.72 32,19654 1-03.824659 7,000.00 18.9 164.29 6,798.74 1-70.20 19.74 435,895.31 760,552.72 32,19656 1-03.824649 7,000.00 18.9 164.29 6,798.76 1-70.82 14.20 14	5,800.00	1.89	164.29	5,799.36	-38.36	10.79	436,017.15	760,543.77	32.196703	-103.624680
6_100_00	5,900.00	1.89	164.29	5,899.30	-41.55	11.69	436,013.96	760,544.66	32.196694	-103.624677
6,200.00 1,89 164.29 6,199.14 -51.10 14.37 436,004.41 700,547.35 32,196689 1-03.024869 6,400.00 1,89 164.29 6,399.03 -57.46 16.16 435,989.05 760,549.14 32,196659 1-03.024869 6,600.00 1,89 164.29 6,399.03 -57.46 18.16 435,984.86 760,559.33 32,198633 1-03,024650 6,600.00 1,89 164.29 6,988.87 -67.01 18.85 435,994.86 760,559.33 32,198633 1-03,024650 6,600.00 1,89 164.29 6,698.87 -67.01 19.74 435,981.86 760,559.33 32,198633 1-03,024650 6,600.00 1,89 164.29 6,698.87 -67.01 19.74 435,981.36 760,555.82 32,198624 1-03,024650 6,800.00 1,89 164.29 6,898.07 675.56 21.53 760,555.13 32,198606 1-03,0246650 7,000.00 1,89 164.29 6,898.70 76.56 21.53 760,555.13 32,198606 1-03,0246640 7,000.00 1,89 164.29 6,898.70 76.56 21.53 760,555.13 32,198608 1-03,0246464 7,000.00 1,89 164.29 7,098.65 79.74 22.43 435,975.97 760,555.61 32,198698 1-03,0246464 7,000.00 1,89 164.29 7,098.65 79.74 22.43 435,975.97 760,555.61 32,198698 1-03,024644 7,000.00 1,89 164.29 7,088.65 -79.74 2.24 345,975.77 760,555.41 32,198598 1-03,024644 7,000.00 1,89 164.29 7,298.64 86.11 24.29 4,345.74 760,000 1,89 164.29 7,298.64 86.11 4,30 4,30 4,30 4,30 4,30 4,30 4,30 4,30	6,000.00	1.89	164.29	5,999.25	-44.73	12.58	436,010.78	760,545.56	32.196685	-103.624674
6.300.00 1.89 164.29 6.299.03 -54.28 15.27 436.001.23 760,648.24 32.196655 -103.624665 6.600.00 1.89 164.29 6.498.98 -60.65 17.06 435.994.86 760,550.03 32.196641 -103.624653 6.500.00 1.89 164.29 6.698.97 -67.01 18.85 435.994.86 760,550.33 32.196641 -103.624653 6.700.00 1.89 164.29 6.698.97 -67.01 18.85 435.984.80 760,550.33 32.196641 -103.624652 6.800.00 1.89 164.29 6.698.87 -67.01 18.85 435.984.80 760,550.33 32.196633 -103.624652 6.800.00 1.89 164.29 6.988.11 -70.20 19.74 435.985.21 760,552.72 32.196624 -103.624652 6.900.00 1.89 164.29 6.988.76 -73.38 20.64 435.982.13 760,553.81 32.196636 -103.624652 6.900.00 1.89 164.29 6.988.76 -73.38 20.64 435.982.13 760,553.81 32.196636 -103.6246452 7.000.00 1.89 164.29 7.986.55 -79.74 22.43 435.975.77 760,555.41 32.196598 -103.624643 7.000.00 1.89 164.29 7.198.55 -82.93 23.32 435.975.77 760,555.41 32.196599 -103.624643 7.000.00 1.89 164.29 7.198.59 -82.93 23.32 435.972.59 760,556.50 32.196590 -103.624643 7.000.00 1.89 164.29 7.398.64 -89.29 2.511 435.986.20 760,556.30 32.196550 -103.624643 7.000.00 1.89 164.29 7.398.48 -89.29 2.511 435.986.20 760,556.99 32.196565 -103.624632 7.600.00 1.89 164.29 7.988.43 -89.24 26.11 435.986.30 760,558.99 32.1965654 -103.624632 7.600.00 1.89 164.29 7.988.43 -89.24 26.11 435.986.30 760,558.99 32.1965645 -103.624632 7.600.00 1.89 164.29 7.988.43 -89.24 26.11 435.986.30 760,558.99 32.1965645 -103.624632 7.600.00 1.89 164.29 7.988.43 -89.24 26.11 435.986.30 760,558.99 32.1965655 -103.624632 7.600.00 1.89 164.29 7.988.43 -89.24 26.11 435.986.30 760,558.99 32.1965645 -103.624626 7.600.00 1.89 164.29 7.988.43 -89.24 26.11 435.986.30 760,558.99 32.1965645 -103.624626 7.600.00 1.89 164.29 7.988.43 -89.24 26.11 435.986.30 760,558.99 32.1965645 -103.624626 7.600.00 1.89 164.29 7.988.43 -89.24 26.11 435.986.20 760,558.99 32.1965645 -103.624621 8.000.00 1.89 164.29 7.988.49 78.000.00 78.000 78	6,100.00	1.89	164.29	6,099.19	-47.91	13.48	436,007.60	760,546.45	32.196677	-103.624672
6.400.00 1.89 164.29 6.399.03 -57.48 16.16 435.999.05 760,549.14 12.196650 -1.03.624650 6.600.00 1.89 164.29 6.598.92 -63.83 17.95 435.991.68 760,550.03 22.196633 -1.03.624650 6.600.00 1.89 164.29 6.598.97 -67.01 18.85 435,981.50 760,551.82 22.196633 -1.03.624650 6.600.00 1.89 164.29 6.698.77 -70.20 19.74 435,985.31 760,552.72 22.196615 -1.03.624652 6.600.00 1.89 164.29 6.698.76 -7.3.38 20.64 435.985.31 760,552.72 32.196615 -1.03.624656 7.000.00 1.89 164.29 6.698.76 -7.3.38 20.64 435.985.31 760,552.72 32.196615 -1.03.624656 7.000.00 1.89 164.29 7.098.65 -7.97.32 20.64 435.985.31 760,552.72 32.196615 -1.03.624656 7.000.00 1.89 164.29 7.098.65 -7.97.32 20.64 435.985.31 760,555.61 32.196509 -1.03.624646 7.000.00 1.89 164.29 7.098.65 -7.97.42 24.31 435.976.77 760,555.41 32.196509 -1.03.624646 7.000.00 1.89 164.29 7.098.65 -7.97.42 24.31 435.976.77 760,555.61 32.196509 -1.03.624641 7.300.00 1.89 164.29 7.298.54 -86.11 24.22 435.976.75 760,555.61 32.196509 -1.03.624641 7.300.00 1.89 164.29 7.298.64 -86.11 24.22 24.35.989.40 760,557.20 32.196571 -1.03.624635 7.500.00 1.89 164.29 7.798.43 -92.48 26.01 435.986.22 760,558.09 32.196551 -1.03.624635 7.500.00 1.89 164.29 7.798.43 -92.48 26.01 435.983.59 760,559.89 32.196554 -1.03.624635 7.500.00 1.89 164.29 7.798.43 -92.48 26.01 435.983.59 760,559.89 32.196554 -1.03.624632 7.600.00 1.89 164.29 7.798.82 1 -105.21 29.59 435.950.50 760,559.89 32.196554 -1.03.624621 7.900.00 1.89 164.29 7.798.82 1 -105.21 29.59 435.950.50 760,559.89 32.196554 -1.03.624621 7.900.00 1.89 164.29 7.798.82 1 -105.21 29.59 435.950.30 760,550.79 32.196579 -1.03.624621 8.000.00 1.89 164.29 7.798.82 1 -105.21 29.59 435.950.30 760,550.79 32.196519 -1.03.624621 8.000.00 1.89 164.29 8.798.82 1 -105.21 29.59 435.950.30 760,550.79 32.196519 -1.03.624621 8.000.00 1.89 164.29 8.998.10 -1.11.57 31.38 435.947.12 7.00.553.48 700,550.89 32.196564 -1.03.624621 8.000.00 1.89 164.29 8.998.81 1.10.82 8.000.00 1.89 164.29 8.998.81 1.10.82 8.000.00 1.10.89 164.29 8.998.81 1.10.82 8.000.00 1.10.80 164.29 8.998.81 1.10.82	6,200.00	1.89	164.29	6,199.14	-51.10	14.37	436,004.41	760,547.35	32.196668	-103.624669
6,500.00 1,89 164.29 6,498.98 -00.65 17.06 435,994.86 760,550.03 32,196641 -103,624650 6,500.00 1,89 164.29 6,598.92 -38.33 17,95 435,991.86 760,550.93 32,196643 -103,624655 6,700.00 1,89 164.29 6,698.67 -67.01 18.85 435,981.80 760,552.72 32,196615 -1.03,624655 6,900.00 18.9 164.29 6,986.76 -73.38 20.64 435,985.13 760,553.61 32,196606 -103,624656 7,000.00 18.9 164.29 6,998.76 -73.38 20.64 435,985.13 760,553.61 32,196606 -103,624649 7,000.00 18.9 164.29 6,998.76 -73.38 20.64 435,976.75 760,555.41 32,196509 -103,624649 7,000.00 18.9 164.29 7,198.65 7-97.4 22.43 435,976.75 760,555.41 32,196599 -103,624649 7,000.00 18.9 164.29 7,198.65 -82.93 23.32 435,972.58 760,555.54 32,196599 -103,624649 7,000.00 18.9 164.29 7,398.66 -86.11 24.22 435,969.40 760,557.20 32,196561 -103,624638 7,000.00 18.9 164.29 7,398.48 -89.29 25.11 435,986.22 760,556.30 32,196563 -103,624638 7,500.00 18.9 164.29 7,398.48 -89.29 25.11 435,986.22 760,556.99 32,196565 -103,624635 7,500.00 18.9 164.29 7,598.63 -82.83 24.24 25.01 435,986.33 760,556.99 32,196565 -103,624635 7,500.00 18.9 164.29 7,598.37 -95.66 26.90 435,959.35 760,550.89 32,196565 -103,624636 7,000.00 18.9 164.29 7,598.37 -95.66 26.90 435,959.36 760,550.89 32,196565 -103,624626 7,000.00 18.9 164.29 7,598.27 -95.96 28.90 435,959.30 760,556.99 32,196564 -103,624626 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 7,998.10 103,624624 7,000.00 18.9 164.29 8,999.10 103,624624 7,000.00 18.9 164.29 8,999.10 103,624624 7,000.00 18.9 164.29 8,999.10 103,624624 7,000.00 18.9 164.29 8,999.10 103,624624 7,000.00 18.9 164.29 8,999.10 103,624624 7,000.00 18.9 164.29 8,999.10 103,624624 7,000.00 18.9 164.29 8,999.10 103,624634 7,000.00 18.9 164.29 8,999.10 103,624634 7,000.00 18.9 164.29 8,999.10 103,624	6,300.00	1.89	164.29	6,299.08	-54.28	15.27				-103.624666
6,000.00 1,89 164.29 6,588.02 -63.85 17.95 435,991.88 760,550.93 32,19623 -1.03,224658 6,500.00 1,89 164.29 6,788.61 -70.20 19.74 435,985.31 760,552.72 32,19624 -1.03,224655 6,800.00 1,89 164.29 6,788.61 -70.20 19.74 435,985.31 760,552.72 32,196260 -1.03,224649 7,000.00 1,89 164.29 7,088.65 -79.74 22.43 435,978.35 760,553.81 32,196508 -1.03,224646 7,100.00 1,89 164.29 7,088.65 -79.74 22.43 435,978.35 760,555.41 32,196598 -1.03,224646 7,000.00 1,89 164.29 7,088.65 -79.74 22.43 435,978.77 760,555.41 32,196599 -1.03,224641 7,300.00 1,89 164.29 7,288.64 -86.11 24.22 435,969.40 760,557.20 32,196570 -1.03,224643 7,400.00 1,89 164.29 7,288.64 -86.11 24.22 435,969.40 760,557.20 32,196571 -1.03,224638 7,500.00 1,89 164.29 7,898.43 -92.48 26.01 435,963.03 760,555.09 32,196550 -1.03,224637 7,500.00 1,89 164.29 7,898.43 -92.48 26.01 435,963.03 760,555.99 32,196553 -1.03,224637 7,500.00 1,89 164.29 7,898.32 -98.64 27.80 435,959.55 760,559.88 32,19654 -1.03,224625 7,500.00 1,89 164.29 7,898.32 -98.64 27.80 435,959.55 760,559.88 32,19654 -1.03,224626 7,800.00 1,89 164.29 7,898.32 -98.64 27.80 435,956.67 760,565.98 32,19654 -1.03,224626 7,800.00 1,89 164.29 7,898.21 -1.02,03 28.69 435,950.30 760,559.89 32,196536 -1.03,224626 7,800.00 1,89 164.29 7,898.10 -1.03,03 24626 7,800.00 1,89 164.29 7,898.10 -1.03,03 24626 7,800.00 1,89 164.29 7,898.10 -1.03,03 24626 7,800.00 1,89 164.29 7,898.10 -1.03,03 24626 7,800.00 1,89 164.29 7,898.10 -1.03,03 24626 7,800.00 1,89 164.29 8,899.10 -1.11,57 31.38 435,947.12 760,563.57 32,196510 -1.03,024616 8,000.00 1,89 164.29 8,397.94 -121,12 34.07 435,943.34 760,562.57 32,196510 -1.03,024616 8,000.00 1,89 164.29 8,397.94 -121,12 34.07 435,943.34 760,565.35 32,196510 -1.03,024616 8,000.00 1,89 164.29 8,397.94 -121,12 34.07 435,943.34 760,566.13 32,196510 -1.03,024616 8,000.00 1,89 164.29 8,397.94 -121,12 34.07 435,943.34 760,566.13 32,196560 -1.03,024610 8,000.00 1,89 164.29 8,597.89 -1.28.00 36.00 435,927.51 760,568.93 32,196466 -1.03,024601 8,000.00 1,89 164.29 8,597.89 -1.28.00 36.00 435,927.51	6,400.00	1.89	164.29	6,399.03	-57.46	16.16	435,998.05	760,549.14	32.196650	-103.624663
6,700.00 1,89 164.29 6,688.87 -67.01 18.85 435,988.50 760,551.82 32,196624 1.03,624655 6,800.00 1.89 164.29 6,898.76 -73.38 20.64 435,982.13 760,553.81 32,196606 1.03,624649 7,000.00 1.89 164.29 6,988.76 -73.38 20.64 435,982.13 760,553.81 32,196606 1.03,624649 7,000.00 1.89 164.29 7,198.59 -82.83 23.32 435,975.77 760,555.41 32,196599 1.03,624649 7,200.00 1.89 164.29 7,198.59 -82.83 23.32 435,975.77 760,555.41 32,196599 1.03,624641 7,200.00 1.89 164.29 7,198.59 -82.83 23.32 435,975.77 760,555.41 32,196599 1.03,624641 7,200.00 1.89 164.29 7,398.64 -89.29 25.11 435,966.22 760,556.30 32,196590 1.03,624641 7,000.00 1.89 164.29 7,388.48 -89.29 25.11 435,966.22 760,556.00 32,196591 1.03,624635 7,500.00 1.89 164.29 7,388.43 -89.28 25.11 435,966.22 760,556.09 32,196554 1.03,624635 7,500.00 1.89 164.29 7,588.37 -95.66 26.80 435,959.85 760,556.89 32,196554 1.03,624635 7,700.00 1.89 164.29 7,588.37 -95.66 26.80 435,959.85 760,556.89 32,196554 1.03,624635 7,700.00 1.89 164.29 7,588.37 -95.66 26.80 435,959.85 760,558.89 32,196545 1.03,624629 7,700.00 1.89 164.29 7,798.26 1.02.03 28.89 435,953.34 760,558.89 32,196545 1.03,624624 7,900.00 1.89 164.29 7,988.26 1.02.03 28.89 435,953.48 760,561.67 32,196538 1.03,624624 7,900.00 1.89 164.29 7,988.26 1.02.03 28.89 435,953.48 760,561.67 32,196538 1.03,624624 7,900.00 1.89 164.29 7,988.26 1.02.03 28.89 435,953.49 760,562.57 32,196519 1.03,624621 8,000.00 1.89 164.29 8,098.10 1.11.67 31.38 435,943.34 760,564.36 32,196510 1.03,624621 8,000.00 1.89 164.29 8,098.10 1.11.67 31.38 435,943.34 760,564.36 32,196510 1.03,624621 8,000.00 1.89 164.29 8,098.10 1.11.67 31.38 435,943.34 760,564.36 32,196510 1.03,624621 8,000.00 1.89 164.29 8,098.10 1.11.67 31.38 435,943.34 760,564.36 32,196510 1.03,624621 8,000.00 1.89 164.29 8,397.99 1.17.94 33.17 435,937.57 760,566.15 32,196449 1.03,62461 8,000.00 1.89 164.29 8,297.99 1.17.94 33.17 435,937.57 760,566.15 32,196449 1.03,624601 8,000.00 1.89 164.29 8,297.99 1.17.94 33.17 435,937.57 760,566.15 32,196449 1.03,624601 8,000.00 1.89 164.29 8,297.99 1.17.	1	1.89	164.29	6,498.98			435,994.86	760,550.03		
6,800.00 1,89 164.29 6,789.81 -70.20 19.74 435,985.31 760,552.72 32,198615 -103,624652 6,800.00 1,89 164.29 6,989.76 -73.38 20.64 435,982.13 760,553.61 32,198598 -103,824646 7,000.00 1,89 164.29 7,098.85 -79.74 22.43 435,975.77 760,555.41 32,198598 -103,824646 7,300.00 1,89 164.29 7,798.59 -48.29 3 23.2 435,975.77 760,555.41 32,198599 -103,824646 7,300.00 1,89 164.29 7,789.59 -86.29 3 23.2 435,975.77 760,556.30 32,198599 -103,824648 7,300.00 1,89 164.29 7,789.59 -86.29 32.11 455,966.22 760,556.30 32,198567 -103,824638 7,500.00 1,89 164.29 7,798.48 -86.11 24.22 435,969.40 760,557.20 32,198571 -103,824638 7,500.00 1,89 164.29 7,798.37 -95.86 26.00 435,983.03 760,558.09 32,198554 -103,824632 7,700.00 1,89 164.29 7,798.37 -95.86 26.00 435,983.03 760,558.09 32,198554 -103,824632 7,700.00 1,89 164.29 7,798.32 -98.84 27.80 435,985.67 760,550.78 32,198536 -103,824629 7,700.00 1,89 164.29 7,798.26 -102.03 28.89 435,953.48 760,550.78 32,198536 -103,824624 7,800.00 1,89 164.29 7,798.26 -102.03 28.89 435,953.48 760,561.67 32,198528 -103,824624 7,800.00 1,89 164.29 7,988.16 -103,824618 8,000.00 1,89 164.29 8,098.10 -111.57 31.38 435,947.12 760,563.46 32,198510 -103,824618 8,000.00 1,89 164.29 8,098.10 -111.57 31.38 435,947.12 760,563.46 32,198510 -103,824618 8,000.00 1,89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.25 32,198649 -103,824618 8,000.00 1,89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.25 32,198649 -103,824610 8,800.00 1,89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.26 32,198640 -103,824610 8,800.00 1,89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.25 32,198649 -103,824610 8,800.00 1,89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.25 32,198649 -103,824610 8,800.00 1,89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.25 32,198649 -103,824610 8,800.00 1,89 164.29 8,297.99 -117.94 33.17 435,937.57 760,566.83 32,198646 -103,824601 8,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,800.00 1,	6,600.00	1.89	164.29	6,598.92	-63.83	17.95	435,991.68	760,550.93	32.196633	-103.624658
8,800.00 1,89 164.29 6,988.76 -73.38 20.64 435,982.13 760,553.61 32,196598 -103,624649 7,000.00 1,89 164.29 6,988.70 -76.56 21.53 435,978.95 760,554.51 32,196598 -103,624643 7,200.00 1,89 164.29 7,098.65 -79,74 22.43 435,975.77 760,555.41 32,196598 -103,624643 7,200.00 1,89 164.29 7,198.59 -82.93 23.32 435,972.58 760,556.50 32,196580 -103,624643 7,300.00 1,89 164.29 7,398.48 -89.29 25.11 435,966.22 760,556.09 32,196563 -103,624635 7,500.00 1,89 164.29 7,398.48 -89.29 25.11 435,966.22 760,558.09 32,196563 -103,624635 7,500.00 1,89 164.29 7,598.37 -95.66 26.90 435,963.03 760,556.89 32,196545 -103,624626 7,700.00 1,89 164.29 7,798.26 -102.03 26.69 435,958.30 760,559.88 32,196545 -103,624626 7,700.00 1,89 164.29 7,798.26 -102.03 26.69 435,958.30 760,559.88 32,196545 -103,624626 7,800.00 1,89 164.29 7,798.26 -102.03 26.69 435,959.35 760,559.88 32,196545 -103,624626 7,800.00 1,89 164.29 7,989.16 -105.21 29.59 435,950.30 760,561.67 32,196536 -103,624626 7,800.00 1,89 164.29 7,989.16 -105.21 29.59 435,950.30 760,562.57 32,196519 -103,624621 7,800.00 1,89 164.29 7,989.16 -105.21 29.59 435,950.30 760,562.57 32,196519 -103,624621 8,800.00 1,89 164.29 8,198.50 -111,176 32.28 435,943.94 760,564.36 32,196501 -103,624621 8,800.00 1,89 164.29 8,198.50 -111,176 32.28 435,943.94 760,566.15 32,196492 -103,624621 8,800.00 1,89 164.29 8,198.50 -111,176 32.28 435,943.94 760,566.15 32,196492 -103,624601 8,800.00 1,89 164.29 8,198.50 -111,176 32.28 435,943.94 760,566.15 32,196492 -103,624601 8,800.00 1,89 164.29 8,198.50 -111,176 32.28 435,943.94 760,566.15 32,196492 -103,624601 8,800.00 1,89 164.29 8,198.50 -111,176 32.28 435,943.94 760,566.15 32,196492 -103,624601 8,800.00 1,89 164.29 8,198.50 -111,176 32.28 435,943.94 760,566.15 32,196496 -103,624601 8,800.00 1,89 164.29 8,198.50 -111,176 32.28 435,943.94 760,566.15 32,196496 -103,624601 8,800.00 1,800.00	6,700.00	1.89	164.29	6,698.87	-67.01	18.85	435,988.50	760,551.82	32.196624	-103.624655
7,000.00 1.89 164.29	6,800.00	1.89	164.29		-70.20	19.74	435,985.31	760,552.72	32.196615	-103.624652
7,100.00 1.89 164.29 7,088.65 -79.74 22.43 435,975.77 760,555.41 32.186589 -103.624641 7,300.00 1.89 164.29 7,198.59 -82.93 23.32 435,972.58 760,556.30 32.186580 -103.624631 7,300.00 1.89 164.29 7,288.54 -86.11 24.22 435,969.40 760,557.20 32.196571 -103.624638 7,400.00 1.89 164.29 7,398.48 -99.29 25.11 435,966.22 760,558.09 32.186554 -103.624632 7,500.00 1.89 164.29 7,598.37 -95.66 25.00 435,963.03 760,558.99 32.186554 -103.624632 7,700.00 1.89 164.29 7,598.37 -95.66 25.00 435,959.85 760,559.98 32.196554 -103.624632 7,700.00 1.89 164.29 7,798.26 -102.03 26.69 435,953.34 760,550.07 32.196528 -103.624624 7,900.00 1.89 164.29 7,798.26 -102.03 26.69 435,953.34 760,561.67 32.196528 -103.624624 7,900.00 1.89 164.29 7,798.26 -102.03 26.69 435,933.40 760,562.57 32.196519 -103.624624 7,900.00 1.89 164.29 7,988.16 -105.21 29.59 435,903.00 760,562.57 32.196519 -103.624624 7,900.00 1.89 164.29 8,098.10 -111.57 31.38 435,947.12 760,563.46 32.196510 -103.624618 8,100.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,560.55 32.196492 -103.624618 8,200.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,566.15 32.196492 -103.624612 8,300.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,566.15 32.196492 -103.624619 8,000.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,566.15 32.196492 -103.624619 8,500.00 1.89 164.29 8,497.88 1-124.31 34.07 435,937.57 760,566.15 32.196468 -103.624609 8,600.00 1.89 164.29 8,497.88 1-124.31 34.07 435,937.57 760,566.15 32.196466 -103.624601 8,500.00 1.89 164.29 8,500.00 36.00 435,927.51 760,568.98 32.196466 -103.624601 8,600.00 1.90 164.29 8,500.00 36.00 435,927.51 760,568.98 32.196466 -103.624601 8,600.00 1.90 164.29 8,500.00 36.00 435,927.51 760,568.98 32.196466 -103.624601 8,600.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196466 -103.624601 8,600.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760	6,900.00	1.89		6,898.76	-73.38	20.64	435,982.13	760,553.61	32.196606	
7,200.00 1.89 164.29 7,198.59 -42.93 23.32 435,972.58 760,556.30 32.196590 -103.624631 7,300.00 1.89 164.29 7,298.54 -86.11 24.22 435,969.40 760,557.20 32.196571 -103.624638 7,400.00 1.89 164.29 7,398.48 -49.29 25.11 435,966.22 760,558.09 32.196553 -103.624635 7,500.00 1.89 164.29 7,498.43 -492.48 26.01 435,963.03 760,558.09 32.196554 -103.624632 7,500.00 1.89 164.29 7,598.37 -95.66 26.00 435,959.85 760,558.09 32.196545 -103.624629 7,700.00 1.89 164.29 7,698.32 -498.84 27.80 435,956.67 760,560.78 32.196536 -103.624629 7,800.00 1.89 164.29 7,898.21 -105.21 29.59 435,950.30 760,562.57 32.196536 -103.624624 7,900.00 1.89 164.29 7,898.21 -105.21 29.59 435,950.30 760,562.57 32.196519 -103.624624 8,000.00 1.89 164.29 7,898.16 -108.39 30.49 435,947.12 760,563.46 32.196510 -103.624612 8,000.00 1.89 164.29 8,198.05 -111.57 31.38 435,943.94 760,564.36 32.196501 -103.624612 8,000.00 1.89 164.29 8,198.05 -111.57 31.38 435,943.94 760,564.36 32.196501 -103.624612 8,300.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.196492 -103.624612 8,300.00 1.89 164.29 8,397.94 -121.12 34.07 435,937.57 760,565.15 32.196494 -103.624612 8,500.00 1.89 164.29 8,597.84 -121.12 34.07 435,937.57 760,565.15 32.196494 -103.624612 8,500.00 1.89 164.29 8,597.84 -122.12 35.78 435,931.20 760,567.04 32.196462 -103.624601 8,500.00 1.89 164.29 8,597.84 -122.12 35.78 435,931.20 760,567.04 32.196462 -103.624601 8,600.00 1.89 164.29 8,597.84 -122.12 35.78 435,931.20 760,568.95 32.196462 -103.624601 8,600.00 0.189 164.29 8,597.84 -122.12 35.78 435,937.57 760,566.15 32.196462 -103.624601 8,600.00 0.189 164.29 8,597.84 -122.12 35.78 435,937.57 760,566.15 32.196462 -103.624601 8,600.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196466 -103.624601 8,600.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,697.83 -128.00 3	7,000.00	1.89	164.29	6,998.70	-76.56	21.53	435,978.95		32.196598	
7,300.00 1.89 164.29 7,298.54 -86.11 24.22 435,969.40 760,557.20 32.196563 -103.624635 7,500.00 1.89 164.29 7,498.43 -92.48 26.01 435,966.22 760,556.99 32.196563 -103.624635 7,500.00 1.89 164.29 7,498.43 -92.48 26.01 435,963.03 760,556.99 32.196554 -103.624635 7,700.00 1.89 164.29 7,769.87 -95.66 26.90 435,959.85 760,556.88 32.196554 -103.624629 7,700.00 1.89 164.29 7,798.26 -102.03 28.69 435,955.48 760,556.87 32.196536 -103.624626 7,800.00 1.89 164.29 7,798.26 -102.03 28.69 435,955.48 760,556.16 32.196528 -103.624624 8,000.00 1.89 164.29 7,798.26 -105.21 29.59 435,950.30 760,556.37 32.196528 -103.624621 8,000.00 1.89 164.29 7,798.26 -105.21 29.59 435,950.30 760,562.57 32.196519 -103.624615 8,100.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 760,564.36 32.196510 -103.624615 8,200.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 760,564.36 32.196510 -103.624615 8,200.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.55 32.196492 -103.624607 8,500.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.15 32.196484 -103.624607 8,500.00 1.89 164.29 8,897.99 -117.94 33.17 435,937.57 760,566.15 32.196484 -103.624607 8,500.00 1.89 164.29 8,500.00 1.80 164.29 8,5	7,100.00	1.89		7,098.65	-79.74	22.43	435,975.77	760,555.41	32.196589	-103.624643
7,400.00 1.89 164.29 7,398.48 -89.29 25.11 435,966.22 760,558.09 32.196554 -103.624632 7,500.00 1.89 164.29 7,498.43 -92.48 26.01 435,963.03 760,558.99 32.196554 -103.624632 7,500.00 1.89 164.29 7,598.37 -95.66 26.90 435,959.66 7 760,559.08 32.196555 -103.624629 7,700.00 1.89 164.29 7,759.26 -102.03 28.69 435,955.67 760,550.78 32.196536 -103.624626 7,900.00 1.89 164.29 7,898.21 -105.21 29.59 435,953.68 760,552.57 32.196539 -103.624624 7,900.00 1.89 164.29 7,898.21 -105.21 29.59 435,953.68 760,560.78 32.196528 -103.624624 7,900.00 1.89 164.29 7,898.21 -105.21 29.59 435,953.69 760,562.57 32.196519 -103.624621 8,000.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 760,563.46 32.196510 -103.624615 8,200.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 760,563.46 32.196510 -103.624615 8,200.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.196492 -103.624612 8,400.00 1.89 164.29 8,197.94 -121.12 34.07 435,937.57 760,565.25 32.196492 -103.624610 8,400.00 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 760,567.04 32.196464 -103.624607 8,550.00 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 760,567.94 32.196466 -103.624607 8,550.00 1.89 164.29 8,550.70 -125.99 35.43 435,942.50 760,568.75 32.196466 -103.624607 8,500.00 1.89 164.29 8,550.70 -125.99 35.43 435,927.51 760,568.98 32.196466 -103.624601 8,600.00 1.19 164.29 8,550.70 -125.99 35.43 435,927.51 760,568.98 32.196466 -103.624601 8,600.00 1.19 164.29 8,550.70 0 -125.90 35.43 435,927.51 760,568.98 32.196466 -103.624601 8,600.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,600.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,000.00 359.68 9,000.00 47.08 359.68 9,000.00 47.08 359.68 9,000.00 47.08 359.68 9,000.00 47.08 3	7,200.00	1.89	164.29	7,198.59	-82.93	23.32		760,556.30	32.196580	-103.624641
7,500.00 1.89 164.29 7,498.43 -92.48 26.01 435,963.03 760,558.99 32.196554 -103.624632 7,600.00 1.89 164.29 7,598.37 -95.66 29.00 435,959.67 760,560.78 32.196545 -103.624626 7,800.00 1.89 164.29 7,798.26 -102.03 28.69 435,953.48 760,561.67 32.196528 -103.624624 7,900.00 1.89 164.29 7,798.26 -102.03 28.69 435,955.30 760,561.67 32.196528 -103.624624 7,900.00 1.89 164.29 7,798.26 -102.03 28.69 435,950.30 760,562.57 32.196519 -103.624624 8,000.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 780,564.36 32.196501 -103.624618 8,100.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 780,564.36 32.196501 -103.624612 8,300.00 1.89 164.29 8,399.9 -117.94 33.17 435,937.57 760,566.15 32.196492 -103.624612 8,300.00 1.89 164.29 8,399.94 -121.12 34.07 435,937.57 760,566.15 32.196494 -103.624609 8,400.00 1.89 164.29 8,399.94 -121.12 34.07 435,937.57 760,566.15 32.196494 -103.624609 8,500.00 1.89 164.29 8,397.94 -121.12 34.07 435,937.57 760,566.15 32.196494 -103.624609 8,500.00 1.89 164.29 8,597.94 -121.12 34.07 435,937.57 760,566.15 32.196494 -103.624609 8,500.00 1.89 164.29 8,597.84 -124.31 34.96 435,931.29 760,567.04 32.196466 -103.624601 8,500.00 1.19 164.29 8,597.84 -124.31 34.96 435,931.29 760,567.04 32.196462 -103.624601 8,500.00 1.19 164.29 8,597.84 -124.31 34.96 435,931.29 760,567.04 32.196462 -103.624601 8,600.00 1.19 164.29 8,597.84 -124.12 34.07 435,928.30 760,567.04 32.196456 -103.624601 8,600.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624600 9,000.00 0.00 0.00 0.00 8,997	7,300.00	1.89	164.29	7,298.54	-86.11	24.22	435,969.40	760,557.20	32.196571	-103.624638
7,600.00 1.89 164.29 7,598.37 -95.66 26.90 435,959.85 760,559.88 32.196545 -103.624629 7,700.00 1.89 164.29 7,898.32 -98.84 27.80 435,955.67 760,560.78 32.196536 -103.624624 7,900.00 1.89 164.29 7,898.21 -105.21 29.59 435,953.48 760,561.67 32.196526 -103.624624 8,000.00 1.89 164.29 7,898.21 -105.21 29.59 435,950.30 760,562.57 32.196519 -103.624621 8,000.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 760,564.36 32.196510 -103.624615 8,100.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.1966492 -103.624612 8,300.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.196492 -103.624612 8,000.00 1.89 164.29 8,297.99 -117.94 33.17 435,933.39 760,567.04 32.196464 -103.624601 8,400.00 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 760,567.04 32.196466 -103.624604 8,552.85 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 760,567.04 32.196466 -103.624604 8,552.85 1.89 164.29 8,497.88 -125.29 35.43 435,929.52 760,568.41 32.196466 -103.624604 8,679.17 0.00 0.00 8,677.00 -125.99 35.43 435,929.52 760,568.41 32.196466 -103.624601 8,679.17 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,600.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 77.08 359.68 9,918.53 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 77.08 359.68 9,918.53 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 77.08 359.68 9,918.53 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624600 9,000.00 77.08 359.68 9,918.53 -128.03	7,400.00	1.89	164.29	7,398.48	-89.29	25.11	435,966.22	760,558.09	32.196563	-103.624635
7,700.00 1.89 164.29 7,898.26 -102.03 28.89 435,956.67 760,566.78 32,196528 -103.624624 7,900.00 1.89 164.29 7,988.26 -103.624624 8,000.00 1.89 164.29 7,988.16 -103.624624 336,950.30 760,562.57 32,196529 -103.624621 8,000.00 1.89 164.29 7,988.16 -103.624638 30.49 435,947.12 760,563.46 32,196510 -103.624618 8,100.00 1.89 164.29 8,998.10 -111.57 31.38 435,943.94 760,563.46 32,196501 -103.624618 8,200.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32,196492 -103.624612 8,300.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.25 32,196492 -103.624612 8,300.00 1.89 164.29 8,397.94 -121.12 34.07 435,937.57 760,566.15 32,196484 -103.624604 8,552.85 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 760,567.04 32,196466 -103.624604 8,552.85 1.89 164.29 8,597.84 -127.21 35.78 435,929.52 760,568.41 32,196462 -103.624604 8,552.85 1.89 164.29 8,597.84 -127.21 35.78 435,929.52 760,568.45 32,196462 -103.624604 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 8,700.00 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 8,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 8,000.00 0.00 0.00 8,978.3 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 9,000.00 0.00 0.00 8,978.3 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 8,000.00 0.00 0.00 8,978.3 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 9,000.00 0.00 0.00 8,978.3 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 9,000.00 0.00 0.00 8,978.3 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 9,000.00 0.00 0.00 8,978.3 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 9,000.00 0.00 0.00 8,978.3 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 9,000.00 0.00 0.00 8,978.3 -128.00 36.00 435,927.51 760,568.98 32,196456 -103.624601 9,000.00 77.08 359.68 9,097.65 -123.63 35.98 435,900.00 77.08 359.68 9,987.84 -122.73 35.86 435,990.32 760,568.98 32,196456 -103.624600 9,000.00 57.08 359.68 9,987.84 -122.73 35.86 436	7,500.00	1.89	164.29	7,498.43	-92.48	26.01	435,963.03	760,558.99	32.196554	
7,800.00 1.89 164.29 7,798.26 -102.03 28.69 435,953.48 760,561.67 32.196528 -103.624624 7,900.00 1.89 164.29 7,998.16 -105.21 29.59 435,950.30 760,562.57 32.196519 -103.624621 8,000.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 760,563.46 32.196510 -103.624618 8,100.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 760,563.46 32.196501 -103.624618 8,200.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.196492 -103.624612 8,300.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,565.25 32.196492 -103.624612 8,300.00 1.89 164.29 8,397.94 -121.12 34.07 435,934.39 760,567.04 32.196464 -103.624609 8,400.00 1.89 164.29 8,397.94 -121.12 34.07 435,934.39 760,567.04 32.196465 -103.624607 8,500.00 1.89 164.29 8,597.84 -124.31 34.96 435,931.20 760,567.04 32.196462 -103.624604 8,552.85 1.89 164.29 8,597.84 -124.31 34.96 435,931.20 760,567.04 32.196462 -103.624604 8,562.85 1.89 164.29 8,597.84 -127.21 35.78 435,928.30 760,568.41 32.196462 -103.624601 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.01 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.01 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.01 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.01 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.01 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.01 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.01 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.00 77.08 359.68 9,097.95 1-123.63 35.98 435,993.27 760,568.98 32.196456 -103.624600 9,002.00 359.68 9,987.84 -122.15 35.36 436	7,600.00	1.89	164.29	7,598.37	-95.66	26.90	435,959.85	760,559.88	32.196545	-103.624629
7,900.00 1.89 164.29 7,898.21 -105.21 29.59 435,950.30 760,562.57 32.196519 -103.624621 8,000.00 1.89 164.29 8,098.10 -111.57 31.38 435,947.12 760,563.46 32.196510 -103.624618 8,100.00 1.89 164.29 8,198.05 -114.76 32.28 435,943.94 760,564.36 32.196501 -103.624618 8,200.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.196492 -103.624618 8,400.00 1.89 164.29 8,397.99 -117.94 33.17 435,937.57 760,566.15 32.196494 -103.624609 8,400.00 1.89 164.29 8,397.94 -121.12 34.07 435,934.39 760,567.04 32.196464 -103.624607 8,500.00 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 760,567.04 32.196466 -103.624604 8,552.85 1.89 164.29 8,550.70 -125.99 35.43 435,932.20 760,568.41 32.196466 -103.624604 8,552.85 1.89 164.29 8,550.70 -125.99 35.43 435,929.52 760,568.41 32.196462 -103.624601 8,600.00 1.19 164.29 8,597.84 -127.21 35.78 435,932.30 760,568.75 32.196456 -103.624601 8,600.00 1.19 164.29 8,597.84 -127.21 35.78 435,932.30 760,568.75 32.196456 -103.624601 8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.00 17.08 359.68 9,907.65 -123.63 35.98 435,931.88 760,568.95 32.196456 -103.624601 9,000.00 7.08 359.68 9,997.65 -123.63 35.96 435,932.751 760,568.93 32.196456 -103.624600 9,400.00 37.08 359.68 9,997.65 -123.63 33.99 436,110.29 760,568.93 32.196456 -103.624600 9,400.00 37.08 359.68 9,997.89 -	7,700.00	1.89	164.29	7,698.32	-98.84	27.80	435,956.67	760,560.78	32.196536	-103.624626
8,000.00 1.89 164.29 7,998.16 -108.39 30.49 435,947.12 760,563.46 32.196510 -103.624618 8,100.00 1.89 164.29 8,198.05 -114.76 32.28 435,943.75 760,565.25 32.196492 -103.624612 8,300.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.196492 -103.624612 8,300.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,566.15 32.196484 -103.624609 8,400.00 1.89 164.29 8,397.94 -121.12 34.07 435,937.57 760,566.15 32.196485 -103.624609 8,400.00 1.89 164.29 8,497.88 -124.31 34.96 345,931.20 760,567.04 32.196465 -103.624604 8,552.85 1.89 164.29 8,550.70 -125.99 35.43 435,929.52 760,568.41 32.196462 -103.624604 8,552.85 1.89 164.29 8,597.84 -127.21 35.78 435,928.30 760,568.75 32.196456 -103.624601 8,700.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.00 7.08 359.68 9,195.31 -102.73 35.86 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,287.86 -65.19 35.65 435,902.27 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,287.86 -65.19 35.65 435,902.27 760,568.98 32.196456 -103.624600 9,400.00 37.08 359.68 9,372.49 -12.15 35.36 435,902.27 760,568.93 32.196456 -103.624600 9,400.00 37.08 359.68 9,372.49 -12.15 35.36 435,902.27 760,568.93 32.196456 -103.624600 9,500.00 77.08 359.68 9,507.99 133.56 436,003.30 760,566.53 32.196779 103.624600 9,500.00 359.68 9,507.99 133.56 436,003.30 760,566.53	7,800.00	1.89	164.29	7,798.26	-102.03	28.69	435,953.48	760,561.67	32.196528	-103.624624
8,100.00 1.89 164.29 8,098.10 -111.57 31.38 435,943.94 760,564.36 32.196691 -103.624615 8,200.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.196492 -103.6246012 8,300.00 1.89 164.29 8,397.94 -121.12 34.07 435,937.57 760,566.15 32.196495 -103.624607 8,500.00 1.89 164.29 8,497.88 -124.31 34.96 435,937.57 760,567.04 32.196466 -103.624607 8,500.00 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 760,567.04 32.196466 -103.624607 8,500.00 1.19 164.29 8,550.70 -125.99 35.43 435,929.52 760,567.94 32.196466 -103.624601 8,502.85 1.89 164.29 8,557.84 -127.21 35.78 435,928.30 760,568.41 32.196465 -103.624601 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 8,677.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.20 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.20 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,200.00 77.08 359.68 9,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,200.00 77.08 359.68 9,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,200.00 77.08 359.68 9,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,200.00 77.08 359.68 9,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624600 9,700.00 77.08 359.68 9,897.83 -128.00 36.00 435,927.51 760,568.93 32.196456 -103.624600 9,700.00 67.08 359.68 9,897.84 -103.624600 9,700.00 67.08 359.68 9,897.84 -103.624600 9,700.00 67.08 359.68 9,897.84 -103.624600 9,700.00 67.08 359.68 9,897.84 -103.624600 9,700.00 67.08 359.68 9,800.00 77.08 3	7,900.00	1.89	164.29	7,898.21	-105.21	29.59	435,950.30	760,562.57	32.196519	-103.624621
8,200.00 1.89 164.29 8,198.05 -114.76 32.28 435,940.75 760,565.25 32.196492 -103.6246012 8,300.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,566.15 32.196484 -103.6246013 8,400.00 1.89 164.29 8,397.94 -121.12 34.07 435,937.57 760,566.15 32.196455 -103.6246013 8,500.00 1.89 164.29 8,397.94 -121.12 34.07 435,937.57 760,567.04 32.196455 -103.6246013 8,500.00 1.89 164.29 8,550.70 -125.99 35.43 435,934.39 760,567.94 32.196466 -103.624604 8,552.85 1.89 164.29 8,550.70 -125.99 35.43 435,929.52 760,568.41 32.196462 -103.6246013 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 8,600.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 8,600.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 8,900.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 9,000.00 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 9,000.00 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 9,000.00 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.6246013 9,000.00 7.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,000.00 37.08 359.68 9,500.99 133.56 436,000.00 436,000 359.68 9,000.00 359.68 9,000.00 359.68 9,000.00 444.95 33.00 33.55 436,000.40 36,000 359.68 9,500.00 444.95 33.56 436,000.00 359.68 9,000.00 359.68 9,500.00 444.95 33.56 436,600.40 36,600 436,600 359.68 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32.196459 32	8,000.00	1.89	164.29	7,998,16	-108.39	30.49	435,947.12	760,563.46	32.196510	103.624618
8,300.00 1.89 164.29 8,297.99 -117.94 33.17 435,937.57 760,566.15 32.196484 -103.624609 8,400.00 1.89 164.29 8,397.94 -121.12 34.07 435,934.39 760,567.04 32.196475 -103.624607 8,500.00 1.89 164.29 8,597.84 -124.31 34.96 435,931.20 760,567.94 32.196466 -103.624600 8,552.85 1.89 164.29 8,550.70 -125.99 35.43 435,929.52 760,568.41 32.196462 -103.624602 8,600.00 1.19 164.29 8,597.84 -127.21 35.78 435,928.30 760,568.75 32.196458 -103.624601 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,979.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.92 1 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.92 1 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.93 32.196456 -103.624600 9,300.00 27.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.63 32.196450 -103.624600 9,500.00 47.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.84 32.196525 -103.624600 9,500.00 47.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600 9,500.00 77.08 359.68 9,587.99 133.56 34.56 436,189.07 760,567.05 32.197418 -103.624600 9,500.00 77.08 359.68 9,554.76 221.81 34.07 436,277.32 760,567.05 32.197418 -103.624600 9,700.00 67.08 359.68 9,554.76 221.81 34.07 436,277.32 760,567.05 32.197418 -103.624599 9,900.00 77.08 359.68 9,500.00 444.95 33.55 436,571.25 760,566.43 32.196255 -103.624599 103,000.00 90.00 359.68 9,600.00 515.	8,100.00	1.89		8,098.10	-111.57	31.38	435,943.94	760,564.36	32.196501	-103.624615
8,400.00 1.89 164.29 8,397.94 -121.12 34.07 435,934.39 760,567.04 32.196475 -103.624607 8,500.00 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 780,567.94 32.196466 -103.624604 8,552.85 1.89 164.29 8,550.70 -125.99 35.43 435,929.52 760,568.41 32.196462 -103.624604 8,600.00 1.19 164.29 8,557.84 -127.21 35.78 435,929.52 760,568.45 32.196456 -103.624601 8,600.00 0.10 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.95 32.196468 -103.624600 9,000.00 37.08 359.68 9,195.31 -102.73 35.86 435,931.88 760,568.95 32.196456 -103.624600 9,000.00 37.08 359.68 9,372.49 -12.15 35.36 435,931.88 760,568.84 32.196525 -103.624600 9,000.00 37.08 359.68 9,372.49 -12.15 35.36 435,931.89 760,568.84 32.196525 -103.624600 9,600.00 57.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196595 -103.624600 9,600.00 57.08 359.68 9,554.76 221.81 34.07 436,277.32 760,567.95 32.197175 -103.624600 9,600.00 57.08 359.68 9,554.76 221.81 34.07 436,277.32 760,567.95 32.197175 -103.624599 9,900.00 67.08 359.68 9,568.49 316.83 33.55 436,372.34 760,566.53 32.197175 -103.624599 9,900.00 67.08 359.68 9,500.00 515.74 32.45 436,571.25 760,565.83 32.197175 -103.624599 9,900.00 67.08 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.197175 -103.624599 9,900.00 67.08 359.68 9,600.00 515.74	8,200.00	1.89	164.29	8,198.05	-114.76	32.28	435,940.75	760,565.25	32.196492	-103.624612
8,500.00 1.89 164.29 8,497.88 -124.31 34.96 435,931.20 760,567.94 32.196466 -103.624604 8,552.85 1.89 164.29 8,550.70 -125.99 35.43 435,929.52 760,568.41 32.196462 -103.624602 8,600.00 1.19 164.29 8,597.84 -127.21 35.78 435,928.30 760,568.75 32.196458 -103.624601 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,195.31 -102.73 35.86 435,927.51 760,568.98 32.196456 -103.624601 9,200.00 17.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.98 32.196456 -103.624600 9,200.00 17.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.63 32.196459 -103.624600 9,600.00 37.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.34 32.196525 -103.624600 9,500.00 47.08 359.68 9,466.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600 9,500.00 57.08 359.68 9,597.99 133.56 34.56 436,043.36 760,568.34 32.197774 -103.624600 9,500.00 57.08 359.68 9,597.99 133.56 34.56 436,110.29 760,567.97 32.196958 -103.624500 9,500.00 57.08 359.68 9,595.476 221.81 34.07 436,277.32 760,567.95 32.197418 -103.624599 9,900.00 57.08 359.68 9,595.476 221.81 34.07 436,277.32 760,565.98 32.197479 -103.624599 9,900.00 57.08 359.68 9,595.476 221.81 34.07 436,277.32 760,565.98 32.197478 -103.624599 9,900.00 57.08 359.68 9,595.476 221.81 34.07 436,277.32 760,565.98 32.197478 -103.624599 9,900.00 57.08 359.68 9,595.476 221.81 34.07 436,277.32 760,565.98 32.197478 -103.624599 9,900.00 57.08 359.68 9,590.00 57	8,300.00	1.89	164.29	8,297.99	-117.94	33.17	435,937.57	760,566.15	32.196484	-103.624609
8,552.85	8,400.00	1.89	164.29	8,397.94	-121.12	34.07	435,934.39	760,567.04	32.196475	-103.624607
8,600.00 1.19 164.29 8,597.84 -127.21 35.78 435,928.30 760,568.75 32.196458 -103.624601 8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.98 32.196456 -103.624601 9,200.00 17.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.84 32.196456 -103.624601 9,200.00 17.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.84 32.196459 -103.624600 9,400.00 37.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.84 32.196629 -103.624600 9,400.00 37.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.34 32.196629 -103.624600 9,500.00 47.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.34 32.196774 -103.624600 9,500.00 47.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600 9,600.00 57.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,554.76 221.81 34.07 436,277.32 760,566.53 32.197418 -103.624599 9,900.00 77.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197418 -103.624599 9,900.00 87.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197418 -103.624599 9,900.00 87.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197418 -103.624599 9,900.00 87.08 359.68 9,585.49 316.83 33.55 436,571.25 760,565.82 32.198031 -103.624599 9,900.00 87.08 359.68 9,585.49 316.83 33.55 436,571.25 760,565.82 32.198031 -103.624599 9,900.00 87.08 359.68 9,580.00 515.74 32.45 436,571.25 760,565.43 32.197591 -103.624599 10,000.00 90.00 359.68 9,600.00 515	8,500.00	1.89	164.29	8,497.88	-124.31	34.96	435,931.20	760,567.94	32.196466	-103.624604
8,679.17 0.00 0.00 8,677.00 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 0.00 8,797.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,002.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,029.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.98 32.196456 -103.624601 9,000.00 7.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.84 32.196468 -103.624601 9,000.00 37.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.63 32.196469 -103.624600 9,400.00 37.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.34 32.196774 -103.624600 9,500.00 47.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600 9,600.00 57.08 359.68 9,597.99 133.56 34.56 436,189.07 760,567.97 32.196958 -103.624600 9,600.00 57.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.55 32.197418 -103.624599 9,800.00 77.08 359.68 9,500.00 444.95 32.84 436,500.46 760,565.82 32.198031 -103.624599 9,900.00 87.08 359.68 9,500.00 515.74 32.45 436,500.46 760,565.43 32.197679 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,500.46 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,500.46 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,500.46 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00	8,552.85	1.89	164.29	8,550.70	-125.99	35.43	435,929.52	760,568.41	32.196462	-103.624602
8,700.00 0.00 0.00 8,697.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,800.00 0.00 0.00 8,797.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,029.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 WKOP & FTP @ 9029' MD, 200' FSL, 1476' FEL 9,100.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.95 32.196468 -103.624601 9,200.00 17.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.84 32.196525 -103.624600 9,300.00 27.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.63 32.196629 -103.624600 9,400.00 37.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.34 32.196774 -103.624600 9,500.00 47.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600 9,600.00 57.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.97 32.196958 -103.624600 9,700.00 67.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,554.76 221.81 34.07 436,277.32 760,566.53 32.197418 -103.624599 9,800.00 77.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197679 -103.624599 9,900.00 87.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197679 -103.624599 9,909.221 90.00 359.68 9,600.00 444.95 32.84 436,500.46 760,565.82 32.197951 -103.624599 9,929.21 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.19825 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.19825 -	8,600.00	1.19	164.29	8,597.84	-127.21	35.78	435,928.30	760,568.75	32.196458	-103.624601
8,800.00 0.00 0.00 8,797.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 8,900.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,029.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 <b>KOP &amp; FTP @ 9029' MD, 200' FSL, 1476' FEL</b> 9,100.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.95 32.196468 -103.624601 9,200.00 17.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.84 32.196525 -103.624600 9,300.00 27.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.63 32.196629 -103.624600 9,400.00 37.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.34 32.196774 -103.624600 9,500.00 47.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600 9,600.00 57.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,554.76 221.81 34.07 436,277.32 760,566.53 32.197418 -103.624599 9,800.00 77.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197679 -103.624599 9,900.00 87.08 359.68 9,595.25 415.75 33.00 436,471.26 760,565.82 32.197679 -103.624599 9,929.21 90.00 359.68 9,599.25 415.75 33.00 436,471.26 760,565.82 32.198031 -103.624599 9,929.21 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198255 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198255 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198255 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198255 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198255 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198255 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198255 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198255 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43	8,679.17	0.00	0.00	8,677.00	-128.00	36.00	435,927.51	760,568.98	32.196456	-103.624601
8,900.00 0.00 0.00 8,897.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,029.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 KOP & FTP @ 9029' MD, 200' FSL, 1476' FEL 9,100.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.95 32.196468 -103.624601 9,200.00 17.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.84 32.196525 -103.624600 9,300.00 27.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.63 32.196629 -103.624600 9,400.00 37.08 359.68 9,372.49 -121.15 35.36 436,043.36 760,568.34 32.196774 -103.624600 9,500.00 47.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600 9,600.00 57.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.05 32.197418 -103.624509 9,800.00 77.08 359.68 9,554.76 221.81 34.07 436,277.32 760,566.53 32.197418 -103.624509 9,800.00 77.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197679 -103.624509 9,900.00 87.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197679 -103.624599 9,900.00 87.08 359.68 9,599.25 415.75 33.00 436,471.26 760,565.82 32.198031 -103.624599 9,929.21 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198225 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198225 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198225 -103.624599	8,700.00	0.00	0.00	8,697.83	-128.00	36.00	435,927.51	760,568.98	32.196456	-103.624601
9,000.00 0.00 0.00 8,997.83 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 9,029.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601 KOP & FTP @ 9029' MD, 200' FSL, 1476' FEL  9,100.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.95 32.196468 -103.624601 9,200.00 17.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.84 32.196525 -103.624600 9,300.00 27.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.63 32.196629 -103.624600 9,400.00 37.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.34 32.196774 -103.624600 9,500.00 47.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600 9,600.00 57.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600 9,700.00 67.08 359.68 9,554.76 221.81 34.07 436,277.32 760,567.05 32.197418 -103.624599 9,800.00 77.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197679 -103.624599 9,900.00 87.08 359.68 9,599.25 415.75 33.00 436,471.26 760,565.82 32.198031 -103.624599 9,929.21 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198225 -103.624599 10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198225 -103.624599	8,800.00	0.00	0.00	8,797.83	-128.00		435,927.51	760,568.98	32.196456	
9,029.21 0.00 0.00 9,027.04 -128.00 36.00 435,927.51 760,568.98 32.196456 -103.624601  KOP & FTP @ 9029' MD, 200' FSL, 1476' FEL  9,100.00 7.08 359.68 9,097.65 -123.63 35.98 435,931.88 760,568.95 32.196468 -103.624601  9,200.00 17.08 359.68 9,195.31 -102.73 35.86 435,952.78 760,568.84 32.196525 -103.624600  9,300.00 27.08 359.68 9,287.86 -65.19 35.65 435,990.32 760,568.63 32.196629 -103.624600  9,400.00 37.08 359.68 9,372.49 -12.15 35.36 436,043.36 760,568.34 32.196774 -103.624600  9,500.00 47.08 359.68 9,446.61 54.78 34.99 436,110.29 760,567.97 32.196958 -103.624600  9,600.00 57.08 359.68 9,507.99 133.56 34.56 436,189.07 760,567.54 32.197175 -103.624600  9,700.00 67.08 359.68 9,554.76 221.81 34.07 436,277.32 760,567.05 32.197418 -103.624599  9,800.00 77.08 359.68 9,585.49 316.83 33.55 436,372.34 760,566.53 32.197679 -103.624599  9,900.00 87.08 359.68 9,599.25 415.75 33.00 436,471.26 760,565.98 32.197951 -103.624599  9,929.21 90.00 359.68 9,600.00 515.74 32.45 436,500.46 760,565.43 32.198225 -103.624598	8,900.00	0.00	0.00		-128.00	36.00	435,927.51	760,568.98	32.196456	-103.624601
KOP & FTP @ 9029' MD, 200' FSL, 1476' FEL           9,100.00         7.08         359.68         9,097.65         -123.63         35.98         435,931.88         760,568.95         32.196468         -103.624601           9,200.00         17.08         359.68         9,195.31         -102.73         35.86         435,952.78         760,568.84         32.196525         -103.624600           9,300.00         27.08         359.68         9,287.86         -65.19         35.65         435,990.32         760,568.63         32.196629         -103.624600           9,400.00         37.08         359.68         9,372.49         -12.15         35.36         436,043.36         760,568.34         32.196774         -103.624600           9,500.00         47.08         359.68         9,446.61         54.78         34.99         436,110.29         760,567.97         32.196958         -103.624600           9,600.00         57.08         359.68         9,507.99         133.56         34.56         436,189.07         760,567.54         32.197175         -103.624600           9,700.00         67.08         359.68         9,554.76         221.81         34.07         436,277.32         760,567.05         32.197418         -103.624599	9,000.00	0.00	0.00	8,997.83	-128.00	36.00	435,927.51	760,568.98	32.196456	-103.624601
9,100.00       7.08       359.68       9,097.65       -123.63       35.98       435,931.88       760,568.95       32.196468       -103.624601         9,200.00       17.08       359.68       9,195.31       -102.73       35.86       435,952.78       760,568.84       32.196525       -103.624600         9,300.00       27.08       359.68       9,287.86       -65.19       35.65       435,990.32       760,568.63       32.196629       -103.624600         9,400.00       37.08       359.68       9,372.49       -12.15       35.36       436,043.36       760,568.34       32.196774       -103.624600         9,500.00       47.08       359.68       9,446.61       54.78       34.99       436,110.29       760,567.97       32.196958       -103.624600         9,600.00       57.08       359.68       9,507.99       133.56       34.56       436,189.07       760,567.54       32.197175       -103.624600         9,700.00       67.08       359.68       9,554.76       221.81       34.07       436,277.32       760,567.05       32.197418       -103.624599         9,800.00       77.08       359.68       9,585.49       316.83       33.55       436,372.34       760,566.53       32.197679       -103.	9,029.21	0.00	0.00	9,027.04	-128.00	36.00	435,927.51	760,568.98	32.196456	-103.624601
9,100.00       7.08       359.68       9,097.65       -123.63       35.98       435,931.88       760,568.95       32.196468       -103.624601         9,200.00       17.08       359.68       9,195.31       -102.73       35.86       435,952.78       760,568.84       32.196525       -103.624600         9,300.00       27.08       359.68       9,287.86       -65.19       35.65       435,990.32       760,568.63       32.196629       -103.624600         9,400.00       37.08       359.68       9,372.49       -12.15       35.36       436,043.36       760,568.34       32.196774       -103.624600         9,500.00       47.08       359.68       9,446.61       54.78       34.99       436,110.29       760,567.97       32.196958       -103.624600         9,600.00       57.08       359.68       9,507.99       133.56       34.56       436,189.07       760,567.54       32.197175       -103.624600         9,700.00       67.08       359.68       9,554.76       221.81       34.07       436,277.32       760,567.05       32.197418       -103.624599         9,800.00       77.08       359.68       9,585.49       316.83       33.55       436,372.34       760,566.53       32.197679       -103.	KOP & F	TP @ 9029' M	D, 200' FSL,	1476' FEL						
9,300.00       27.08       359.68       9,287.86       -65.19       35.65       435,990.32       760,568.63       32.196629       -103.624600         9,400.00       37.08       359.68       9,372.49       -12.15       35.36       436,043.36       760,568.34       32.196774       -103.624600         9,500.00       47.08       359.68       9,446.61       54.78       34.99       436,110.29       760,567.97       32.196958       -103.624600         9,600.00       57.08       359.68       9,507.99       133.56       34.56       436,189.07       760,567.54       32.197175       -103.624600         9,700.00       67.08       359.68       9,554.76       221.81       34.07       436,277.32       760,567.05       32.197418       -103.624599         9,800.00       77.08       359.68       9,585.49       316.83       33.55       436,372.34       760,566.53       32.197679       -103.624599         9,900.00       87.08       359.68       9,599.25       415.75       33.00       436,471.26       760,565.98       32.197951       -103.624599         9,929.21       90.00       359.68       9,600.00       544.95       32.84       436,500.46       760,565.43       32.198031       -103.6					-123.63	35.98	435,931.88	760,568.95	32.196468	-103.624601
9,400.00       37.08       359.68       9,372.49       -12.15       35.36       436,043.36       760,568.34       32.196774       -103.624600         9,500.00       47.08       359.68       9,446.61       54.78       34.99       436,110.29       760,567.97       32.196958       -103.624600         9,600.00       57.08       359.68       9,507.99       133.56       34.56       436,189.07       760,567.54       32.197175       -103.624600         9,700.00       67.08       359.68       9,554.76       221.81       34.07       436,277.32       760,567.05       32.197418       -103.624599         9,800.00       77.08       359.68       9,585.49       316.83       33.55       436,372.34       760,566.53       32.197679       -103.624599         9,900.00       87.08       359.68       9,599.25       415.75       33.00       436,471.26       760,565.98       32.197951       -103.624599         9,929.21       90.00       359.68       9,600.00       444.95       32.84       436,500.46       760,565.82       32.198031       -103.624599         10,000.00       90.00       359.68       9,600.00       515.74       32.45       436,571.25       760,565.43       32.19825       -103.6	9,200.00	17.08	359.68	9,195.31	-102.73	35.86	435,952.78	760,568.84	32.196525	-103.624600
9,500.00       47.08       359.68       9,446.61       54.78       34.99       436,110.29       760,567.97       32.196958       -103.624600         9,600.00       57.08       359.68       9,507.99       133.56       34.56       436,189.07       760,567.54       32.197175       -103.624600         9,700.00       67.08       359.68       9,554.76       221.81       34.07       436,277.32       760,567.05       32.197418       -103.624599         9,800.00       77.08       359.68       9,585.49       316.83       33.55       436,372.34       760,566.53       32.197679       -103.624599         9,900.00       87.08       359.68       9,599.25       415.75       33.00       436,471.26       760,565.98       32.197951       -103.624599         9,929.21       90.00       359.68       9,600.00       444.95       32.84       436,500.46       760,565.82       32.198031       -103.624599         10,000.00       90.00       359.68       9,600.00       515.74       32.45       436,571.25       760,565.43       32.198225       -103.624598	9,300.00	27.08	359.68	9,287.86	-65.19	35.65	435,990.32	760,568.63	32.196629	-103.624600
9,500.00       47.08       359.68       9,446.61       54.78       34.99       436,110.29       760,567.97       32.196958       -103.624600         9,600.00       57.08       359.68       9,507.99       133.56       34.56       436,189.07       760,567.54       32.197175       -103.624600         9,700.00       67.08       359.68       9,554.76       221.81       34.07       436,277.32       760,567.05       32.197418       -103.624599         9,800.00       77.08       359.68       9,585.49       316.83       33.55       436,372.34       760,566.53       32.197679       -103.624599         9,900.00       87.08       359.68       9,599.25       415.75       33.00       436,471.26       760,565.98       32.197951       -103.624599         9,929.21       90.00       359.68       9,600.00       444.95       32.84       436,500.46       760,565.82       32.198031       -103.624599         10,000.00       90.00       359.68       9,600.00       515.74       32.45       436,571.25       760,565.43       32.198225       -103.624598		37.08	359.68	9,372.49	-12.15		436,043.36	760,568.34	32.196774	
9,600.00       57.08       359.68       9,507.99       133.56       34.56       436,189.07       760,567.54       32.197175       -103.624600         9,700.00       67.08       359.68       9,554.76       221.81       34.07       436,277.32       760,567.05       32.197418       -103.624599         9,800.00       77.08       359.68       9,585.49       316.83       33.55       436,372.34       760,566.53       32.197679       -103.624599         9,900.00       87.08       359.68       9,599.25       415.75       33.00       436,471.26       760,565.98       32.197951       -103.624599         9,929.21       90.00       359.68       9,600.00       444.95       32.84       436,500.46       760,565.82       32.198031       -103.624599         10,000.00       90.00       359.68       9,600.00       515.74       32.45       436,571.25       760,565.43       32.198225       -103.624598	9,500.00	47.08	359.68	9,446.61	54.78	34.99	436,110.29	760,567.97	32.196958	-103.624600
9,700.00     67.08     359.68     9,554.76     221.81     34.07     436,277.32     760,567.05     32.197418     -103.624599       9,800.00     77.08     359.68     9,585.49     316.83     33.55     436,372.34     760,566.53     32.197679     -103.624599       9,900.00     87.08     359.68     9,599.25     415.75     33.00     436,471.26     760,565.98     32.197951     -103.624599       9,929.21     90.00     359.68     9,600.00     444.95     32.84     436,500.46     760,565.82     32.198031     -103.624599       10,000.00     90.00     359.68     9,600.00     515.74     32.45     436,571.25     760,565.43     32.198225     -103.624598	1								32.197175	-103.624600
9,800.00     77.08     359.68     9,585.49     316.83     33.55     436,372.34     760,566.53     32.197679     -103.624599       9,900.00     87.08     359.68     9,599.25     415.75     33.00     436,471.26     760,565.98     32.197951     -103.624599       9,929.21     90.00     359.68     9,600.00     444.95     32.84     436,500.46     760,565.82     32.198031     -103.624599       10,000.00     90.00     359.68     9,600.00     515.74     32.45     436,571.25     760,565.43     32.198225     -103.624598	1						•			I
9,900.00     87.08     359.68     9,599.25     415.75     33.00     436,471.26     760,565.98     32.197951     -103.624599       9,929.21     90.00     359.68     9,600.00     444.95     32.84     436,500.46     760,565.82     32.198031     -103.624599       10,000.00     90.00     359.68     9,600.00     515.74     32.45     436,571.25     760,565.43     32.198225     -103.624598										
9,929.21     90.00     359.68     9,600.00     444.95     32.84     436,500.46     760,565.82     32.198031     -103.624599       10,000.00     90.00     359.68     9,600.00     515.74     32.45     436,571.25     760,565.43     32.198225     -103.624598	1									
10,000.00 90.00 359.68 9,600.00 515.74 32.45 436,571.25 760,565.43 32.198225 -103.624598	IV.			•						l
	i .									
10,100.00 90.00 359.68 9,600.00 615.74 31.90 436,671.24 760,564.88 32.198500 -103.624598	10,100.00					31.90	436,671.24		32.198500	-103.624598

Database:

EDM r5000.141\_Prod US

Company:

WCDSC Permian NM

Project:

Lea County (NAD83 New Mexico East)

Site:

Sec 24-24S-32E

Well: Wellbore: Bell Lake 24 Fed 11H

Wellbore #1

Design:

Permit Plan 1

**Local Co-ordinate Reference** 

TVD Reference:

MD Reference: North Reference: RKB @ 3575.50ft

Well Bell Lake 24 Fed 11H

RKB @ 3575.50ft

Grid

Minimum Curvature

**Survey Calculation Method:** 

Planned Survey	,								
Measured			Vertical			Мар	Мар		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
10,200.00	90.00	359.68	9,600.00	715.73	31.35	436,771.24	760,564.33	32.198775	-103.624598
10,300.00	90.00	359.68	9,600.00	815.73	30.80	436,871.24	760,563.78	32.199050	-103.624597
10,400.00	90.00	359.68	9,600.00	915.73	30.25	436,971.24	760,563.23	32.199325	-103.624597
10,500.00	90.00	359.68	9,600.00	1,015.73	29.70	437,071.24	760,562.68	32.199600	-103.624597
10,600.00	90.00	359.68	9,600.00	1,115.73	29.15	437,171.24	760,562.13	32.199875	-103.624596
10,700.00	90.00	359.68	9,600.00	1,215.73	28.60	437,271.23	760,561.58	32.200150	-103.624596
10,800.00	90.00	359.68	9,600.00	1,315.73	28.05	437,371.23	760,561.02	32.200424	-103.624596
10,900.00	90.00	359.68	9,600.00	1,415.72	27.50	437,471.23	760,560.47	32.200699	-103.624595
11,000.00	90.00	359.68	9,600.00	1,515.72	26.95	437,571.23	760,559.92	32.200974	-103.624595
11,100.00	90.00	359.68	9,600.00	1,615.72	26.40	437,671.23	760,559.37	32.201249	-103.624594
11,200.00	90.00	359.68	9,600.00	1,715.72	25.84	437,771.23	760,558.82	32.201524	-103.624594
11,300.00	90.00	359.68	9,600.00	1,815.72	25.29	437,871.22	760,558.27	32.201799	-103.624594
11,400.00	90.00	359.68	9,600.00	1,915.72	24.74	437,971.22	760,557.72	32.202074	-103.624593
11,500.00	90.00	359.68	9,600.00	2,015.71	24.19	438,071.22	760,557.17	32.202349	-103.624593
11,600.00	90.00	359.68	9,600.00	2,115.71	23.64	438,171.22	760,556.62	32,202623	-103.624593
11,700.00	90.00	359.68	9,600.00	2,215.71	23.09	438,271.22	760,556.07	32.202898	-103.624592
11,800.00	90.00	359.68	9,600.00	2,315.71	22.54	438,371.22	760,555.52	32.203173	-103.624592
11,900.00	90.00	359.68	9,600.00	2,415.71	21.99	438,471.21	760,554.97	32.203448	-103.624592
12,000.00	90.00	359.68	9,600.00	2,515.71	21.44	438,571.21	760,554.41	32.203723	-103.624591
12,100.00	90.00	359.68	9,600.00	2,615.71	20.89	438,671.21	760,553.86	32.203998	-103.624591
12,200.00	90.00	359.68	9,600.00	2,715.70	20.34	438,771.21	760,553.31	32.204273	-103.624591
12,300.00	90.00	359.68	9,600.00	2,815.70	19.79	438,871.21	760,552.76	32.204548	-103.624590
12,400.00	90.00	359.68	9,600.00	2,915.70	19.23	438,971.20	760,552.21	32.204823	-103.624590
12,500.00	90.00	359.68	9,600.00	3,015.70	18.68	439,071.20	760,551.66	32.205097	-103.624590
12,600.00	90.00	359.68	9,600.00	3,115.70	18.13	439,171.20	760,551.11	32.205372	-103.624589
12,700.00	90.00	359.68	9,600.00	3,215.70	17.58	439,271.20	760,550.56	32.205647	-103.624589
12,800.00	90.00	359.68	9,600.00	3,315.69	17.03	439,371.20	760,550.01	32.205922	-103.624588
12,900.00	90.00	359.68	9,600.00	3,415.69	16.48	439,471.20	760,549.46	32.206197	103.624588
13,000.00	90.00	359.68	9,600.00	3,515.69	15.93	439,571.19	760,548.91	32.206472	-103.624588
13,100.00	90.00	359.68	9,600.00	3,615.69	15.38	439,671.19	760,548.36	32.206747	-103.624587
13,200.00	90.00	359.68	9,600.00	3,715.69	14.83	439,771.19	760,547.80	32.207022	-103.624587
13,300.00	90.00	359.68	9,600.00	3,815.69	14.28	439,871.19	760,547.25	32.207296	-103.624587
13,400.00	90.00	359.68	9,600.00	3,915.69	13.73	439,971.19	760,546.70	32.207571	-103.624586
13,500.00	90.00	359.68	9,600.00	4,015.68	13.18	440,071.19	760,546.15	32.207846	-103.624586
13,600.00	90.00	359.68	9,600.00	4,115.68	12.62	440,171.18	760,545.60	32.208121	-103.624586
13,700.00	90.00	359.68	9,600.00	4,215.68	12.07	440,271.18	760,545.05	32.208396	-103.624585
13,800.00	90.00	359.68	9,600.00	4,315.68	11.52	440,371.18	760,544.50	32.208671	-103.624585
13,900.00	90.00	359.68	9,600.00	4,415.68	10.97	440,471.18	760,543.95	32.208946	-103.624585
14,000.00	90.00	359.68	9,600.00	4,515.68	10.42	440,571.18	760,543.40	32.209221	-103.624584
14,100.00	90.00	359.68	9,600.00	4,615.68	9.87	440,671.18	760,542.85	32.209495	-103.624584
14,200.00	90.00	359.68	9,600.00	4,715.67	9.32	440,771.17	760,542.30	32.209770	-103.624584
14,300.00	90.00	359.68	9,600.00	4,815.67	8.77	440,871.17	760,541.75	32.210045	-103.624583
14,345.03	90.00	359.68	9,600.00	4,860.70	8.52	440,916.20	760,541.50	32.210169	-103.624583
	1345' MD, 100			.,		,	,		. 33.32 . 300
14,400.00	90.00	359.68	9,600.00	4,915.67	8.22	440,971.17	760,541.19	32.210320	-103.624583
14,425.02	90.00	359.68	9,600.00	4,940.69	8.08	440,996.19	760,541.06	32.210389	-103.624583
	)' FNL, 1476' I		-,	.,			,,- ,		
14,425.03	90.00	359.68	9,600.00	4,940.70	8.08	440,996.20	760,541.06	32.210389	-103.624583

EDM r5000.141\_Prod US Database: WCDSC Permian NM

**Local Co-ordinate Reference** 

Well Bell Lake 24 Fed 11H

Company: Project:

TVD Reference:

RKB @ 3575.50ft

Site:

Lea County (NAD83 New Mexico East)

MD Reference:

RKB @ 3575.50ft

Well:

Sec 24-24S-32E Bell Lake 24 Fed 11H

North Reference: **Survey Calculation Method:** 

Grid

Wellbore: Design:

Permit Plan 1

Wellbore #1

Minimum Curvature

**Design Targets** 

Ta

Target Name	Din Annie	Die Die	700	. N/ C	. 27 184	Mandhlas	Facility		
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- Shape	(7)	(1)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
PBHL - Bell Lake 24 Fec	0.00	0.00	0.00	4,940.70	8.08	440,996.20	760,541.06	32.210389	-103.624583

- plan misses target center by 4940.71ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)

- Point

Plan Annotat	lons					
	Measured	Vertical	Local Coon	dinates		
	Depth	Depth	+N/-S	+E/-W		
	(ft)	(ft)	(ft)	(ft)	Comment	
	9,029.21	9,027.04	-128.00	36.00	KOP & FTP @ 9029' MD, 200' FSL, 1476' FEL	
	14,345.03	9,600.00	4,860.70	8.52	LTP @ 14345' MD, 100' FNL, 1476' FEL	
	14,425.02	9,600.00	4,940.69	8.08	PBHL; 20' FNL, 1476' FEL	

## 1. Geologic Formations

TVD of target	9600	Pilot hole depth	N/A
MD at TD:	14425	Deepest expected fresh water	

### Basin

	Depth	Water/Mineral	
Formation	(TVD)	Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	1176		
Salt	1500		
Base of Salt	4976		
Delaware	5015		
Bone Spring 1st	8917		
Bone Spring 2nd	10242		-
Bone Spring 3rd	10790		
Wolfcamp	12199		
·			

<sup>\*</sup>H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

Hole Size	Casing	Interval	Csg. Size	Wt	Grade	Conn	Min SF	Min SF	Min SF
Hole Size	From	To	Csg. Size	(PPF)	Graue	Сопп	Collapse	Burst	Tension
17 1/2	0	1201 TVD	13 3/8	48.0	H40	ВТС	1.125	1.25	1.6
12 1/4	0	4990 TVD	9 5/8	40.0	J-55	втс	1.125	1.25	1.6
8 3/4	0	TD	5 1/2	17.0	P110	втс	1.125	1.25	1.6
				BLM Minimum Safety Factor		1.125	1	1.6 Dry 1.8 Wet	

- All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for continengcy casing.
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed.
- A variance is requested for collapse rating on intermediate casing. Operator will keep pipe full while running casing.
- Int casing shoe will be selected based on drilling data, gamma, and flows experienced while drilling. Setting depth with be revised accordingly if needed.
- A variance is requested to wave the centralizer requirement for the Intermediate casing and production casing.

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specificition sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?	-
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	908	Surf	13.2	1.4	Lead: Class C Cement + additives
•	548	Surf	9.0	3.3	Lead: Class C Cement + additives
Int	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
	538	Surf	9.0	3.3	1st stage Lead: Class C Cement + additives
Int 1 Two Stage	136	500' above shoe	13.2	1.4	1st stage Tail: Class H / C + additives
w/ DV @ TVD of Delaware	535	Surf	9.0	3.3	2nd stage Lead: Class C Cement + additives
	136	500' above DV	13.2	1.4	2nd stage Tail: Class H / C + additives
Int 1	As Needed	Surf	9.0	3.3	Squeeze Lead: Class C Cement + additives
Intermediate	548	Surf	9.0	3.3	Lead: Class C Cement + additives
Squeeze	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
	387	500' tieback	9.0	3.3	Lead: Class H /C + additives
Production	1041	КОР	13.2	1.4	Tail: Class H / C + additives

If a DV tool is ran the depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. Slurry weights will be adjusted based on estimated fracture gradient of the formation. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. If cement is not returned to surface during the primary cement job on the surface casing string, a planned top job will be conducted immediately after completion of the primary job.

Casing String	% Excess
Surface	50%
Intermediate	30%
Production	10%

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		1	Tested to:			
			An	nular	х	50% of rated working pressure			
Int 1	13-58"	5M	Blin	d Ram	X				
IIIt I	13-36	3141	Pipe	Ram		5M			
			Doub	le Ram	X	3141			
			Other*						
	13-5/8" 5M	3-5/8" SM Annular  Blind Ram Pipe Ram Double Ram	nular	х	50% of rated working pressure				
Production			5M	5M	Blin	d Ram	X		
Fiduction					JIVI	Pipe	Ram		5M
·						Doub	le Ram	Х	J1V1
			Other*						
			Annul	ar (5M)					
			Blind Ram						
			Pipe Ram						
			Double Ram						
			Other*						

5. Mud Program (Three String Design)

Section	Туре	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	Brine	10-10.5
Production	WBM	8.5-9

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring

6. Logging and Testing Procedures

	or no being and 1 to order of				
Logging, C	Logging, Coring and Testing				
	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the				
X	Completion Report and sbumitted to the BLM.				
	No logs are planned based on well control or offset log information.				
	Drill stem test? If yes, explain.				
	Coring? If yes, explain.				

Additions	il logs planned	Interval
	Resistivity	
	Density	
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specfly what type and where?
BH pressure at deepest TVD	4493
Abnormal temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogren Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

N H2S is present

N	H2S is present		
Y	H2S plan attached.		

### 8. Other facets of operation

Is this a walking operation? Potentially

- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

### Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
  - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
- <sup>3</sup> The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pad.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
  - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments	}
X	Directional Plan
-	Other, describe



### U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

# PWD Data Report

APD ID: 10400045262 Submission Date: 08/02/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED

Well Number: 11H

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - General

Would you like to address long-term produced water disposal? NO

### **Section 2 - Lined Pits**

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED Well Number: 11H

Lined pit Monitor description:

### **Lined pit Monitor attachment:**

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

### Additional bond information attachment:

## Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres):

PWD surface owner:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

**Unlined pit Monitor attachment:** 

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

**Unlined Produced Water Pit Estimated percolation:** 

Unlined pit: do you have a reclamation bond for the pit?

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP Well Name: BELL LAKE 24 FED Well Number: 11H Is the reclamation bond a rider under the BLM bond? Unlined pit bond number: Unlined pit bond amount: Additional bond information attachment: **Section 4 - Injection** Would you like to utilize Injection PWD options? N Produced Water Disposal (PWD) Location: PWD surface owner: PWD disturbance (acres): Injection PWD discharge volume (bbl/day): Injection well mineral owner: Injection well type: Injection well number: Injection well name: Assigned injection well API number? Injection well API number: Injection well new surface disturbance (acres): Minerals protection information: Mineral protection attachment: **Underground Injection Control (UIC) Permit? UIC Permit attachment:** Section 5 - Surface Discharge Would you like to utilize Surface Discharge PWD options? N Produced Water Disposal (PWD) Location: PWD surface owner: PWD disturbance (acres): Surface discharge PWD discharge volume (bbl/day): Surface Discharge NPDES Permit? **Surface Discharge NPDES Permit attachment:** Surface Discharge site facilities information: Surface discharge site facilities map: Section 6 - Other Would you like to utilize Other PWD options? N Produced Water Disposal (PWD) Location: PWD disturbance (acres): PWD surface owner:

Other PWD discharge volume (bbl/day):

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED Well Number: 11H

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:



## U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

# Bond Info Data Report

02/06/2020

APD ID: 10400045262

Submission Date: 08/02/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Weil Number: 11H

**Show Final Text** 

Well Name: BELL LAKE 24 FED

Well Work Type: Drill

Well Type: OIL WELL

### **Bond Information**

Federal/Indian APD: FED

BLM Bond number: NMB000801

**BIA Bond number:** 

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

### Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment: