HOBBS OCD

Form 3160-3 (June 2015)

FEB 2 0 2020

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

UNITED STATES

DEPARTMENT OF THE INTER BUREAU OF LAND MANAGEN	RIOR RECEIVED	5. Lease Serial No. NMNM112941	
APPLICATION FOR PERMIT TO DRILL	OR REENTER	6. If Indian, Allotee	or Tribe Name
1a. Type of work: DRILL		7. If Unit or CA Agree 8. Lease Name and V COBBER 21-28 FE 13H	
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP (6137)		9. APJ-Well No.	46896
1	Phone No. (include area code)	10 Field and Pool, o WO-025 G-09-5263	TExploratory 58/18619C / WOLFCAMP;
 Location of Well (Report location clearly and in accordance with an At surface NWNE / 216 FNL / 1353 FEL / LAT 32.035595 / L At proposed prod. zone SWNE / 2619 FNL / 2300 FEL / LAT 3 	ONG -103.470657	11. Sec., T. R. M. of SEC 21 (T26S) R3	Blk. and Survey or Area 34E / NMP
14. Distance in miles and direction from nearest town or post 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)		n Unit dedicated to th	is well
18. Distance from proposed location* 19. P	Proposed Depth 20/BLM/ 77 feat / 20433 feet FED: CO	BIA Bond No. in file	
3307 feet 01/0	Approximate date work will start* 1/2020 Attachments	23. Estimated duration 45 days	on
The following, completed in accordance with the requirements of Onsh (as applicable) 1. Well plat certified by a registered surveyor.			
2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Land SUPO must be filed with the appropriate Forest Service Office)	ltem 20 above).	• ,	
25. Signature (Electronic Submission)	Name (Printed/Typed) Rebecca Deal / Ph: (405)228-8429	I	Date 02/22/2019
Title Regulatory Compliance Professional			
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959		Date 02/12/2020
Title Assistant Field Manager Lands & Minerals	Office CARLSBAD	I	
Application approval does not warrant or certify that the applicant hold applicant to conduct operations thereon. Conditions of approval, if any, are attached.	s legal or equitable title to those rights	in the subject lease wh	ich would entitle the
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it of the United States any false, fictitious or fraudulent statements or repr			ny department or agency
6 CA Rec 02/20/2020	WITH CONDITIONS	Ke	poro

(Continued on page 2)

approval Date: 02/12/2020

*(Instructions on page 2)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:
WELL NAME & NO.:
Cobber 21-28 Fed 7H
SURFACE HOLE FOOTAGE:
BOTTOM HOLE FOOTAGE
LOCATION:
COUNTY:
Devon Energy Production Company LP
Cobber 21-28 Fed 7H
216'/N & 1418'/E
20'/S & 1665'/E
Section 21, T.26 S., R.34 E., NMPM
Lea County, New Mexico

COA

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

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

- 1. The 13-3/8 inch surface casing shall be set at approximately 800 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 8-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Operator has proposed to pump down 13-3/8" X 8-5/8" annulus. Operator must run a CBL from TD of the 8-5/8" 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.

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. 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 5000 (5M) psi. Variance is approved to use a 10,000 (10M) Annular which shall be tested to 5000 (5M) 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.

Page 2 of 7

Approval Date: 02/12/2020

e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL RESTRICITONS

 Operator has been approved for their alternate casing design with a traditional cement job or Bradenhead squeeze. Any deviation from the approved casing plan should follow the sundry process.

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
- 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 2nd 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 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.

Page 6 of 7

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.

Page 7 of 7

Approval Date: 02/12/2020



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

Operator Certification Data Report 02/13/2020

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: 02/22/2019

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



APD ID: 10400039457 Submission Date: 02/22/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: COBBER 21-28 FED Well Number: 13H

Well Type: OIL WELL Well Work Type: Drill



Show Final Text

Section 1 - General

APD ID: 10400039457

Tie to previous NOS?

Submission Date: 02/22/2019

BLM Office: CARLSBAD

User: Rebecca Deal

Title: Regulatory Compliance

Federal/Indian APD: FED

Professional is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM112941

Lease Acres: 1920

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? YES

Permitting Agent? NO

APD Operator: DEVON ENERGY PRODUCTION COMPANY LP

Operator letter of designation:

Operator Info

Operator Organization Name: DEVON ENERGY PRODUCTION COMPANY LP

Operator Address: 333 West Sheridan Avenue

Zip: 73102

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: COBBER 21-28 FED

Well Number: 13H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Page 1 of 3

Well Name: COBBER 21-28 FED

Well Number: 13H

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? NO

New surface disturbance?

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: **COBBER 21 WELLPAD**

Number of Legs: 1

Number: 5

Well Class: HORIZONTAL

Well Work Type: Drill

Well Type: OIL WELL **Describe Well Type:**

Well sub-Type: INFILL

Describe sub-type:

Distance to town:

Distance to lease line: 216 FT

Well plat:

COBBER_21_28_FED_13H_C_102_REV_20190930142109.pdf

Well work start Date: 01/01/2020

Duration: 45 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number:

Reference Datum:

	Oui V	.,		•						133	,iciciloc L	ataiii.								
	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?
ĺ	SHL				FEL	26S	34E	21	Aliquot			LEA	NEW	NEW	F	NMNM				
	Leg								NWNE				MEXI			112941				
	#1												СО	co						
	КОР				FEL	268	34E	21	Aliquot			LEA	NEW	NEW	F	NMNM				
	Leg						İ		NWNE					MEXI		112941				
	#1												СО	co						
	PPP				FEL	26S	34E	21	Aliquot			LEA	NEW	NEW	F	NMNM				
	Leg								NWNE				1	MEXI	l ;	112941				
	#1-1												СО	СО	Ĺ					

Well Name: COBBER 21-28 FED Well N

Well Number: 13H

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?
EXIT Leg #1				FEL	268	34E	28	Aliquot SWNE			LEA	ı	NEW MEXI CO	L.	NMNM 112941				
BHL Leg #1		٠.		FEL	26S	34E	28	Aliquot SWNE			LEA	1	NEW MEXI CO	F	NMNM 112941				



Well Type: OIL WELL

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

Drilling Plan Data Report 02/13/2020

APD ID: 10400039457 **Submission Date:** 02/22/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: COBBER 21-28 FED Wel

Well Number: 13H

Well Work Type: Drill



Show Final Text

Section 1 - Geologic Formations

Formation			True Vertical		1		Producing
ID	Formation Name	Elevation	1	Depth	Lithologies	Mineral Resources	
403618		3314	0	0	OTHER, SANDSTONE : SURFACE	NONE	N
403619	RUSTLER	2594	720	720	SANDSTONE	NONE	N
403631	SALADO	2214	1100	1100	SALT	NATURAL GAS, OIL	N
403621	BASE OF SALT	-1801	5115	5115	ANHYDRITE	NATURAL GAS, OIL	N
403622	BELL CANYON	-2046	5360	5360	SANDSTONE	NATURAL GAS, OIL	N
403628	CHERRY CANYON	-3122	6436	6436	SANDSTONE	NATURAL GAS, OIL	N
403629	BRUSHY CANYON	-4750	8064	8064	SANDSTONE	NATURAL GAS, OIL	N
403623	BONE SPRINGS	-6321	9635	9635	SHALE	NATURAL GAS, OIL	N
403630	BONE SPRING 1ST	-7273	10587	10587	SANDSTONE	NATURAL GAS, OIL	N
403624	BONE SPRING 2ND	-7834	11148	11148	SANDSTONE	NATURAL GAS, OIL	N
403625	BONE SPRING 3RD	-8296	11610	11610	SANDSTONE	NATURAL GAS, OIL	N
403626	WOLFCAMP	-9344	12658	12658	SHALE	NATURAL GAS, OIL	Y
403627	PENN	-11307	14621	14621	SHALE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Well Name: COBBER 21-28 FED Well Number: 13H

Pressure Rating (PSI): 10M

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. Devon requests a variance to run a 5M annular on a 10M BOP system. See separately attached variance request and support documents in AFMSS.

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. 5M annular on 10M system will be tested to 100% of rated working pressure.

Choke Diagram Attachment:

10M BOPE CHK DR CLS RKL 20190221115720.pdf

BOP Diagram Attachment:

10M_BOPE_CHK_DR_CLS_RKL_20190221115729.pdf

Pressure Rating (PSI): 5M

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_20190221115807.pdf

BOP Diagram Attachment:

5M BOPE CK 20190221115814.pdf

Well Name: COBBER 21-28 FED

Well Number: 13H

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	725	0	725			725	H-40	48	ST&C	1.12 5	1	BUOY	1.6	BUOY	1.6
	INTERMED IATE	9.87 5	7.625	NEW	API	N	0	12250	0	12250			12250	P- 110	1	OTHER - FLUSHMAX III	1.12 5	1	BUOY	1.6	BUOY	1.6
	PRODUCTI ON	6.75	5.5	NEW	API	N	0	20433	0	12777			20433	P- 110		OTHER - VAM SG	1.12 5	1	BUOY	1.6	BUOY	1.6

Casing Attachments

Casing ID: 1

String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Surf_Csg_Ass_20190222093853.pdf

Well Name: COBBER 21-28 FED

Well Number: 13H

Casing Attachments

Casing ID: 2

String Type:INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Int_Csg_Ass_20190221115912.pdf

Casing ID: 3

String Type:PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Prod_Csg_Ass_20190222093912.pdf

Section	4 - Ce	emen	t								
String Type	Lead/Tail	Stage Tool Depth	Тор МD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead					1.44					

INTERMEDIATE	Lead	 3.27		
INTERMEDIATE	Tail			
PRODUCTION	Lead	3.27		

Well Name: COBBER 21-28 FED

Well Number: 13H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail										

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)	Н	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1225 0	2043 3	OIL-BASED MUD	10	10.5				12			
0	725	WATER-BASED MUD	8.5	9				2			
725	1225 0	SALT SATURATED	10	10.5				2			

Weil Name: COBBER 21-28 FED Well Number: 13H

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, CBL, DS, GR, MUDLOG

Coring operation description for the well:

N/A

Section 7 - Pressure

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:

Cobber_21_28_Fed_13H_Ver_2_20190930142934.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Devon_Cobber_21_28_Fed_13H_Permit_Plan_2_20190930143001.pdf
Devon_Cobber_21_28_Fed_13H_Plot_Permit_Plan_2_20190930143001.pdf

Other proposed operations facets description:

DRILLING PLAN

DIRECTIONAL SURVEY

PLOT

MULTI-BOWL WELLHEAD

MULTI-BOWL VERBIAGE

GAS CAPTURE PLAN

CLOSED LOOP DESIGN

CO-FLEX VARIANCE

SPUDDER RIG DOCUMENT

SPEC SHEETS

ANNULAR VARIANCE REQUEST - DOC & SCHEMATIC

Other proposed operations facets attachment:

Clsd_Loop_20180823120203.pdf

Well Name: COBBER 21-28 FED Well Number: 13H

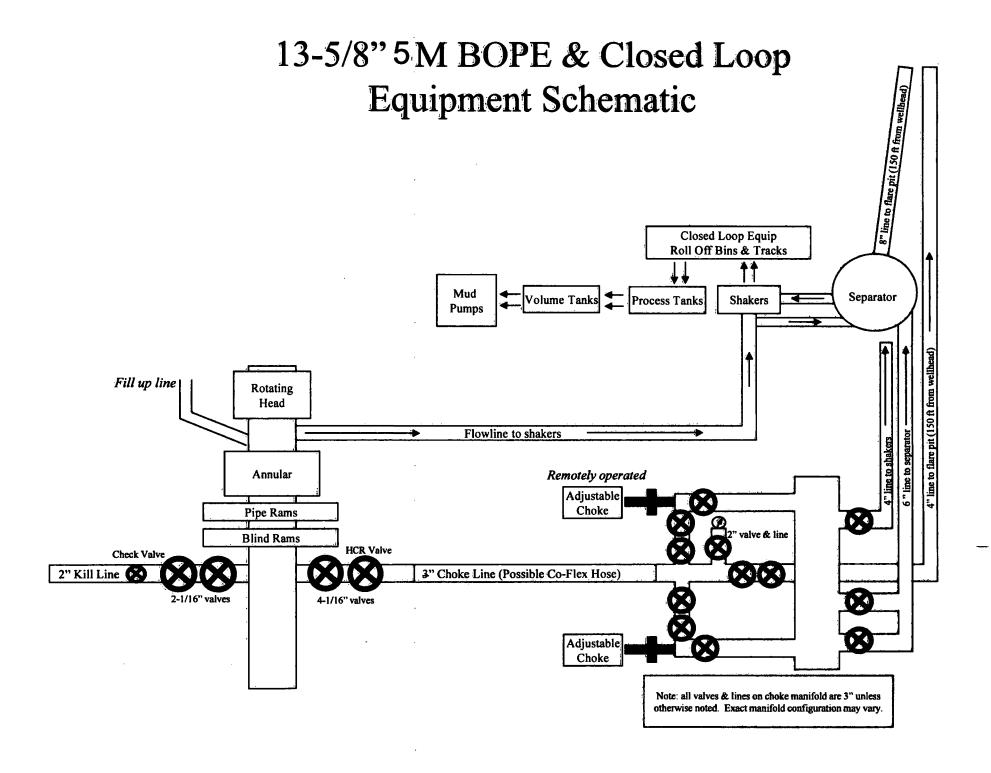
8.625_32.00_P110HSCY_TLW_20190221065123.PDF
5.5_x_20_P110_EC_VAMSG_20190212135119.pdf
7.625_29.70_P110_Flushmax_20190212135120.pdf
Spudder_Rig_Info_20190212133910.pdf
13.375_48__H40_20190212135122.pdf
MB_Verb_10M_20190212133909.pdf
5.5_x_17__P_110_BTC_20190221092949.pdf
MB_Wellhd_10M_13.375_7.625_5.5_20190819111336.pdf
MB_Wellhd_10M_13.375_8.625_5.5_20190819111337.PDF
Cobber_21_28_Fed_13H_Permit_Plan_2_20190930143021.pdf
Cobber_21_28_WP5_GCP_Form_20190930143033.pdf

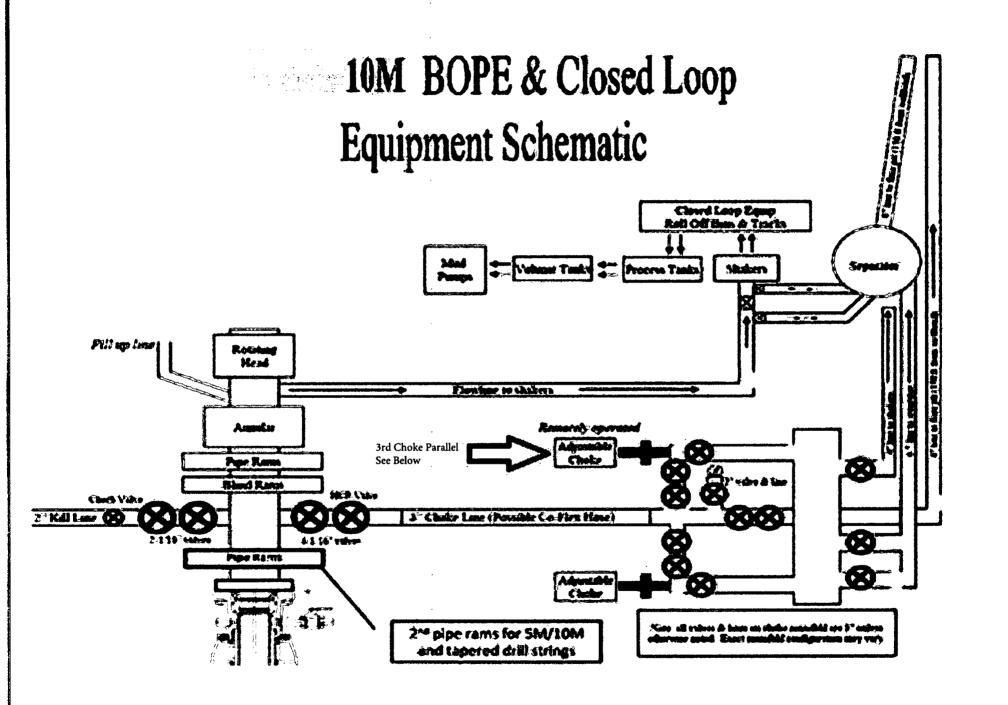
Other Variance attachment:

Co_flex_20180823120220.pdf

10M_BOPE_CHK_DR_CLS_RKL_20190212133813.pdf

Annular_Variance___Preventer_Summary_20190212133828.pdf







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

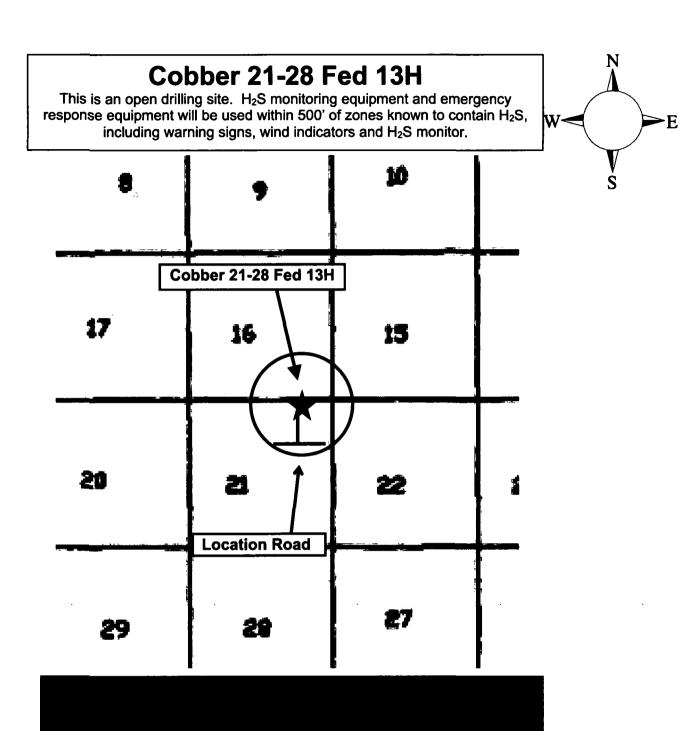
Hydrogen Sulfide (H₂S) Contingency Plan

For

Cobber 21-28 Fed 13H

Sec-21 T-26S R-34E 216' FNL & 1353' FEL LAT. = 32.035595' N (NAD83) LONG = 103.470657' W

Lea County NM



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 H₂S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H₂S, 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 H₂S 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 (SO₂). 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 H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	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 (H₂S)
- 2. The proper use and maintenance of personal protective equipment and life support systems.
- 3. The proper use of H₂S 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 H₂S 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 H₂S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan and the Public Protection Plan.

II. HYDROGEN SULFIDE TRAINING

Note: All H₂S 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 H₂S.

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. H₂S detection and monitoring equipment:

Portable H₂S monitors positioned on location for best coverage and response. These units have warning lights which activate when H₂S 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 H₂S circulated to surface. Proper mud weight, safe drilling practices and the use of H₂S scavengers will minimize hazards when penetrating H₂S bearing zones.

5. Metallurgy:

- A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H₂S trim.
- B. All elastomers used for packing and seals shall be H₂S 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 H₂S environment will use the closed chamber method of testing.
- B. There will be no drill stem testing.

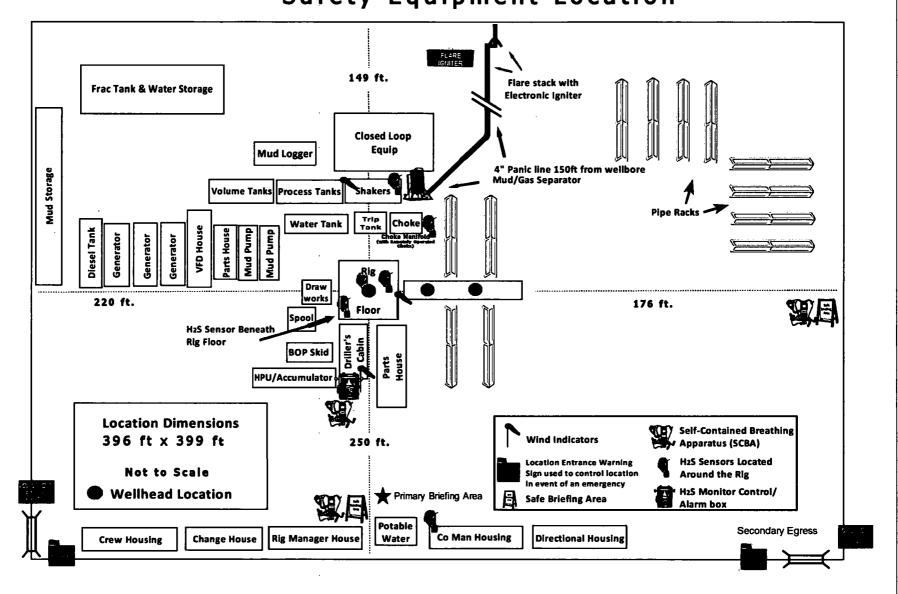
Drillina Su	pervisor – Basin – Mark Kramer	405-823-4796
<u> </u>		
EHS Profe	essional – Laura Wright	405-439-8129
Agency	Call List	
<u>Lea</u>	Hobbs	
County	Lea County Communication Authority	393-3981
(575)	State Police	392-5588
	City Police	397-926
	Sheriff's Office	393-251
	Ambulance	91
	Fire Department	397-9308
	LEPC (Local Emergency Planning Committee)	393-2870
	NMOCD	393-616°
	US Bureau of Land Management	393-3612
Eddy Country	Carlsbad	005.040
County	State Police	885-313
<u>(575)</u>	City Police	885-211
	Sheriff's Office	887-755
	Ambulance Fire Department	91 885-312
	Fire Department	887-379
	LEPC (Local Emergency Planning Committee)	887-654
	US Bureau of Land Management	
	NM Emergency Response Commission (Santa Fe)	(505) 476-960
	24 HR	(505) 827-912
	National Emergency Response Center	(800) 424-880
	National Pollution Control Center: Direct	(703) 872-600
•	For Oil Spills	(800) 280-711
	Emergency Services	
	Wild Well Control	(281) 784-470
	Cudd Pressure Control (915) 699- 0139	(915) 563-335
	Halliburton	(575) 746-275
	B. J. Services	(575) 746-356
Give	Native Air – Emergency Helicopter – Hobbs (NM and TX)	(800)642-782
GPS	Flight For Life - Lubbock, TX	(806) 743-991
position:	Aerocare - Lubbock, TX	(806) 747-892
	Med Flight Air Amb - Albuquerque, NM	(575) 842-443
	Lifeguard Air Med Svc. Albuquerque, NM	(800) 222-122
	Poison Control (24/7)	(575) 272-311
	Oil & Gas Pipeline 24 Hour Service	(800) 364-436
	NOAA – Website - www.nhc.noaa.gov	

Prepared in conjunction with Dave Small





Devon Energy - Well Pad Rig Location Layout Safety Equipment Location



WCDSC Permian NM

Lea County (NAD83 New Mexico East) Sec 21-T26S-R34E Cobber 21-28 Fed 13H

Wellbore #1

Plan: Permit Plan 2

Standard Planning Report - Geographic

19 September, 2019

Database:

EDM r5000.141 Prod US

Local Co-ordinate Reference:

Well Cobber 21-28 Fed 13H

Company:

WCDSC Permian NM

TVD Reference: MD Reference:

RKB @ 3332.10ft

Project: Site:

Lea County (NAD83 New Mexico East) Sec 21-T26S-R34E

North Reference:

RKB @ 3332.10ft Grid

Well:

Cobber 21-28 Fed 13H

Survey Calculation Method:

Minimum Curvature

Wellbore: Design:

Wellbore #1 Permit Plan 2

Project

Lea County (NAD83 New Mexico East)

Map System: Geo Datum:

US State Plane 1983 North American Datum 1983 System Datum:

Mean Sea Level

Map Zone:

New Mexico Eastern Zone

Site

Sec 21-T26S-R34E

Site Position:

Мар

Northing:

372,767.99 usft

Latitude:

32.021870

From:

Easting:

809,394.37 usft

Longitude:

-103.468410

Position Uncertainty:

0.00 ft

Slot Radius:

13-3/16 "

Grid Convergence:

0.46°

Well

Cobber 21-28 Fed 13H

Well Position

+N/-S +E/-W

0.00 ft 0.00 ft

Northing: Easting:

377,755.61 usft 808,657.85 usft

6.65

Latitude: Longitude:

32.035596 -103.470658

Position Uncertainty

0.50 ft

IGRF2015

Wellhead Elevation:

9/18/2019

Ground Level:

3,307.10 ft

Wellbore

Wellbore #1

Permit Plan 2

Magnetics **Model Name** Sample Date

Declination (°)

Dip Angle (°)

Field Strength (nT)

47,606,11429778

Design

Audit Notes:

Phase:

PROTOTYPE

Tie On Depth:

0.00

59.88

Version: Vertical Section:

Depth From (TVD) (ft)

0.00

+N/-S (ft) 0.00

+E/-W (ft) 0.00

Direction (°) 186.54

Plan Survey Tool Program

9/19/2019

Depth From (ft)

Depth To (ft)

Survey (Wellbore)

Tool Name

Remarks

1

0.00

20,433.16 Permit Plan 2 (Wellbore #1)

MWD+HDGM

OWSG MWD + HDGM

Plan Sections Vertical Build Measured Dogleg Turn Inclination **Azimuth** Depth +N/-S +E/-W Rate Rate Rate TFO Depth (°/100usft) (°/100usft) (ft) (°) (°) (ft) (ft) (ft) (°/100usft) (°) **Target** 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2,000.00 0.00 0.00 2,000.00 0.00 0.00 0.00 0.00 0.00 0.00 2,586.16 5.86 279.94 2,585.13 5.17 -29.51 1.00 1.00 0.00 279.94 279.94 11,463.91 162.55 -927.33 0.00 0.00 0.00 0.00 11,511.60 5.86 11,902.37 0.00 0.00 11,854.00 166.00 -947.00 1.50 -1.50 0.00 180.00 12,204.04 166.00 -947.00 0.00 0.00 0.00 0.00 12,252.41 0.00 0.00 12,777.00 -406.94 -942.24 10.00 10.00 0.00 179.52 PBHL - Cobber 21-28 13.152.41 90.00 179.52 0.00 0.00 PBHL - Cobber 21-28 20,433.16 90.00 179.52 12,777.00 -7,687.44 -881.80 0.00 0.00

Database: Company: EDM r5000.141_Prod US

WCDSC Permian NM

Lea County (NAD83 New Mexico East) Sec 21-T26S-R34E

Site: Well:

Project:

Cobber 21-28 Fed 13H

Wellbore: Design: Wellbore #1

Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well Cobber 21-28 Fed 13H

RKB @ 3332.10ft RKB @ 3332.10ft

Grid

Minimum Curvature

Permit Plan 2

dana			\/ontic=!			Mor	Man		
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/- W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
100.00	0.00	0.00	100.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
200.00	0.00	0.00		0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
300.00	0.00	0.00	300.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
400.00	0.00	0.00	400.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
500.00	0.00	0.00	500.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
600.00	0.00	0.00	600.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
700.00	0.00	0.00	700.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.4
800.00	0.00	0.00	800.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.4
900.00	0.00	0.00	900.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
1,000.00	0.00	0.00	1,000.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
1,100.00	0.00	0.00	1,100.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
1,200.00	0.00	0.00	1,200.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
1,300.00	0.00	0.00	1,300.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
1,400.00	0.00	0.00	1,400.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.47
1,500.00	0.00	0.00	1,500.00	0.00	0.00	377,755.61	808.657.85	32.035596	-103.4
1,600.00	0.00	0.00	1,600.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.4
1,700.00	0.00	0.00	1,700.00	0.00	. 0.00	377,755.61	808,657.85	32.035596	-103.4
1,800.00	0.00	0.00	1,800.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.4
1,900.00	0.00	0.00	1,900.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.4
2,000.00	0.00	0.00	2,000.00	0.00	0.00	377,755.61	808,657.85	32.035596	-103.4
2,100.00	1.00	279.94	2,099.99	0.15	-0.86	377,755.76	808,656.99	32.035596	-103.4
2,200.00	2.00	279.94	2,199.96	0.60	-3.44	377,756.21	808,654.41	32.035597	-103.4
2,300.00	3.00	279.94	2,299.86	1.36	-7.73	377,756.96	808,650.11	32.035599	-103.4
2,400.00	4.00	279.94	2,399.68	2.41	-13.75	377,758.02	808,644.10	32.035602	-103.4
2,500.00	5.00	279.94	2,499.37	3.76	-21.48	377,759.37	808,636.37	32.035606	-103.4
2,586.16	5.86	279.94	2,585.13	5.17	-29.51	377,760.78	808,628.34	32.035610	-103.4
2,600.00	5.86	279.94	2,598.91	5.42	-30.90	377,761.02	808,626.95	32.035611	-103.4
2,700.00	5.86	279.94	2,698.38	7.18	-40.96	377,762.79	808,616.89	32.035616	-103.4
2,800.00	5.86	279.94	2,797.86	8.94	-51.02	377,764.55	808,606.83	32.035621	-103.4
2,900.00	5.86	279.94	2,897.34	10.71	-61.08	377,766.31	808,596.77	32.035626	-103.4
3,000.00	5.86	279.94	2,996.81	12.47	-71.14	377,768.08	808,586.71	32.035631	-103.4
3,100.00	5.86	279.94	3,096.29	14.23	-81.20	377,769.84	808,576.65	32.035636	-103.4
3,200.00	5.86	279.94	3,195.77	16.00	-91.25	377,771.60	808,566.59	32.035642	-103.4
3,300.00	5.86	279.94	3,295.25	17.76	-101.31	377,773.37	808,556.53	32.035647	-103.4
3,400.00	5.86	279.94	3,394.72	19.52	-111.37	377,775.13	808,546.48	32.035652	-103.4
3,500.00	5.86	279.94	3,494.20	21.29	-121.43	377,776.89	808,536.42	32.035657	-103.47
3,600.00	5.86	279.94	3,593.68	23.05	-131.49	377,778.66	808,526.36	32.035662	-103.4
3,700.00	5.86	279.94	3,693.15	24.81	-141.55	377,780.42	808,516.30	32.035667	-103.4
3,800.00	5.86	279.94	3,792.63	26.58	-151.61	377,782.18	808,506.24	32.035672	-103.4
3,900.00	5.86	279.94	3,892.11	28.34	-161.67	377,783.95	808,496.18	32.035677	-103.4
4,000.00	5.86	279.94	3,991.59	30.10	-171.73	377,785.71	808,486.12	32.035682	-103.4
4,100.00	5.86	279.94	4,091.06	31.87	-181.79	377,787.47	808,476.06	32.035687	-103.4
4,200.00	5.86	279.94	4,190.54	33.63	-191.85	377,789.24	808,466.00	32.035692	-103.4
4,300.00	5.86	279.94	4,290.02	35.39	-201.90	377,791.00	808,455.94	32.035697	-103.47
4,400.00	5.86	279.94	4,389.49	37.16	-211.96	377,792.76	808,445.88	32.035702	-103.47
4,500.00	5.86	279.94	4,488.97	38.92	-222.02	377,794.53	808,435.83	32.035707	-103.4
4,600.00	5.86	279.94	4,588.45	40.68	-232.08	377,796.29	808,425.77	32.035712	-103.4
4,700.00	5.86	279.94	4,687.93	42.45	-242.14	377,798.05	808,415.71	32.035718	-103.4
4,800.00	5.86	279.94	4,787.40	44.21	-252.20	377,799.82	808,405.65	32.035723	-103.4
4,900.00	5.86	279.94	4,886.88	45.97	-262.26	377,801.58	808,395.59	32.035728	-103.4
5,000.00	5.86	279.94	4,986.36	47.73	-272.32	377,803.34	808,385.53	32.035733	-103.4
5,100.00	5.86	279.94	5,085.83	49.50	-282.38	377,805.11	808,375.47	32.035738	-103.47
5,200.00	5.86	279.94	5,185.31	51.26	-292.44	377,806.87	808,365.41	32.035743	-103.47
5,300.00	5.86	279.94	5,284.79	53.02	-302.50	377,808.63	808,355.35	32.035748	-103.47

Database: Company: EDM r5000.141_Prod US

WCDSC Permian NM

Project:

Lea County (NAD83 New Mexico East)

Site: Well: Sec 21-T26S-R34E

Cobber 21-28 Fed 13H Wellbore #1

Permit Plan 2

Wellbore: Design:

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference: **Survey Calculation Method:** Well Cobber 21-28 Fed 13H

RKB @ 3332.10ft RKB @ 3332.10ft

Grid

Minimum Curvature

Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
5,400.00	5.86	279.94	5,384.27	54.79	-312.56	377,810.40	808,345.29	32.035753	-103.47
5,500.00	5.86	279.94	5,483.74	56.55	-322.61	377,812.16	808,335.23	32.035758	-103.47
5,600.00	5.86	279.94	5,583.22	58.31	-332.67	377,813.92	808,325.18	32.035763	-103.47
5,700.00	5.86	279.94	5,682.70	60.08	-342.73	377,815.69	808,315.12	32.035768	-103.47
5,800.00	5.86	279.94	5,782.17	61.84	-352.79	377,817.45	808,305.06	32.035773	-103.47
5,900.00	5.86	279.94	5,881.65	63.60	-362.85	377,819.21	808,295.00	32.035778	-103.47
6,000.00	5.86	279.94	5,981.13	65.37	-372.91	377,820.98	808,284.94	32.035783	-103.47
6,100.00	5.86	279.94	6,080.61	67.13	-382.97	377,822.74	808,274.88	32.035788	-103.47
6,200.00	5.86	279.94	6,180.08	68.89	-393.03	377,824.50	808,264.82	32.035794	-103.47
6,300.00	5.86	279.94	6,279.56	70.66	-403.09	377,826.27	808,254.76	32.035799	-103.47
6,400.00	5.86	279.94	6,379.04	72.42	-413.15	377,828.03	808,244.70	32.035804	-103.47
6,500.00	5.86	279.94	6,478.51	74.18	-423.21	377,829.79	808,234.64	32.035809	-103.47
6,600.00	5.86	279.94	6,577.99	75.95	-433.26	377,831.56	808,224.58	32.035814	-103.47
6,700.00	5.86	279.94	6,677.47	77.71	-443.32	377,833.32	808,214.53	32.035819	-103.47
6,800.00	5.86	279.94	6,776.95	79.47	-453.38	377,835.08	808,204.47	32.035824	-103.4
6,900.00	5.86	279.94	6,876.42	81.24	-463.44	377,836.85	808,194.41	32.035829	-103.47
7,000.00	5.86	279.94	6,975.90	83.00	-473.50	377,838.61	808,184.35	32.035834	-103.4
7,100.00	5.86	279.94	7,075.38	84.76	-483.56	377,840.37	808,174.29	32.035839	-103.47
7,200.00	5.86	279.94	7,174.86	86.53	-493.62	377,842.14	808,164.23	32.035844	-103.47
7,300.00	5.86	279.94	7,274.33	88.29	-503.68	377,843.90	808,154.17	32.035849	-103.4
7,400.00	5.86	279.94	7,373.81	90.05	-513.74	377,845.66	808,144.11	32.035854	-103.4
7,500.00	5.86	279.94	7,473.29	91.82	-523.80	377,847.42	808,134.05	32.035859	-103.4
7,600.00	5.86	279.94	7,572.76	93.58	-533.86	377,849.19	808,123.99	32.035864	-103.4
7,700.00	5.86	279.94	7,672.24	95.34	-543.92	377,850.95	808,113.93	32.035870	-103.47
7,800.00	5.86	279.94	7,771.72	97.11	-553.97	377,852.71	808,103.87	32.035875	-103.47
7,900.00	5.86	279.94	7,871.20	98.87	-564.03	377,854.48	808,093.82	32.035880	-103.4
8,000.00	5.86	279.94	7,970.67	100.63	-574.09	377,856.24	808,083.76	32.035885	-103.47
8,100.00	5.86	279.94	8,070.15	102.40	-584.15	377,858.00	808,073.70	32.035890	-103.47
8,200.00	5.86	279.94	8,169.63	104.16	-594.21	377,859.77	808,063.64	32.035895	-103.47
8,300.00	5.86	279.94	8,269.10	105.92	-604.27	377,861.53	808,053.58	32.035900	-103.47
8,400.00	5.86	279.94	8,368.58	107.69	-614.33	377,863.29	808,043.52	32.035905	-103.47
8,500.00	5.86	279.94	8,468.06	109.45	-624.39	377,865.06	808,033.46	32.035910	-103.47
8,600.00	5.86	279.94	8,567.54	111.21	-634.45	377,866.82	808,023.40	32.035915	-103.47
8,700.00	5.86	279.94	8,667.01	112.98	-644 .51	377,868.58	808,013.34	32.035920	-103.47
8,800.00	5.86	279.94	8,766.49	114.74	-654.57	377,870.35	808,003.28	32.035925	-103.47
8,900.00	5.86	279.94	8,865.97	116.50	-664.62	377,872.11	807,993.22	32.035930	-103.47
9,000.00	5.86	279.94	8,965.44	118.27	-674.68	377,873.87	807,983.17	32.035935	-103.47
9,100.00	5.86	279.94	9,064.92	120.03	-684.74	377,875.64	807,973.11	32.035940	-103.47
9,200.00	5.86	279.94	9,164.40	121.79	-694.80	377,877.40	807,963.05	32.035946	-103.47
9,300.00	5.86	279.94	9,263.88	123.56	- 704.86	377,879.16	807,952.99	32.035951	-103.47
9,400.00	5.86	279.94	9,363.35	125.32	-714.92	377,880.93	807,942.93	32.035956	-103.47
9,500.00	5.86	279.94	9,462.83	127.08	-724.98	377,882.69	807,932.87	32.035961	-103.47
9,600.00	5.86	279.94	9,562.31	128.85	-735.04	377,884.45	807,922.81	32.035966	-103.47
9,700.00	5.86	279.94	9,661.78	130.61	-745.10	377,886.22	807,912.75	32.035971	-103.47
9,800.00	5.86	279.94	9,761.26	132.37	-755.16	377,887.98	807,902.69	32.035976	-103.47
9,900.00	5.86	279.94	9,860.74	134.14	-765.22	377,889.74	807,892.63	32.035981	-103.47
10,000.00	5.86	279.94	9,960.22	135.90	-775.28	377,891.51	807,882.57	32.035986	-103.47
10,100.00	5.86	279.94	10,059.69	137.66	-785.33	377,893.27	807,872.52	32.035991	-103.47
10,200.00	5.86	279.94	10,159.17	139.42	-795.39	377,895.03	807,862.46	32.035996	-103.47
10,300.00	5.86	279.94	10,258.65	141.19	-805.45	377,896.80	807,852.40	32.036001	-103.47

10,400.00

10,500.00

10,600.00

10,700.00

5.86

5.86

5.86

5.86

5.86

279.94

279.94

279.94

279.94

279.94

-815.51

-825.57

-835.63

-845.69

377,898.56

377,900.32

377,902.09

377,903.85

377,905.61

807,842.34

807,832.28

807,822.22

807,812.16

807,802.10

10,358.12

10,457.60

10,557.08

10,656.56

10,756.03

142.95

144.71

146.48

148.24

150.00

-103.473285

-103.473318

-103.473350

-103.473383

-103.473415

32.036006

32.036011

32.036016

32.036022

32.036027

Database: Company: EDM r5000.141_Prod US

WCDSC Permian NM

Lea County (NAD83 New Mexico East)

Project: Site: Well:

Sec 21-T26S-R34E

Wellbore:

Cobber 21-28 Fed 13H

Design:

Wellbore #1 Permit Plan 2 Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference: **Survey Calculation Method:** Well Cobber 21-28 Fed 13H

RKB @ 3332.10ft RKB @ 3332.10ft

Grid

Minimum Curvature

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,900.00	5.86	279.94	10,855.51	151.77	-865.81	377,907.38	807,792.04	32.036032	-103.473447
11,000.00	5.86	279.94	10,954.99	153.53	-875.87	377,909.14	807,781.98	32.036037	-103.473480
11,100.00	5.86	279.94	11,054.46	155.29	-885.93	377,910.90	807,771.92	32.036042	-103.473512
11,200.00	5.86	279.94	11,153.94	157.06	-895.98	377,912.67	807,761.87	32.036047	-103.473545
11,300.00	5.86	279.94	11,253.42	158.82	-906.04	377,914.43	807,751.81	32.036052	-103.473577
11,400.00	5.86	279.94	11,352.90	160.58	-916.10	377,916.19	807.741.75	32.036057	-103.473610
11,500.00	5.86	279.94	11,452.37	162.35	-926.16	377,917.96	807,731.69	32.036062	-103.473642
11,511.60	5.86	279.94	11,463.91	162.55	-927.33	377,918.16	807,730.52	32.036063	-103.473646
11,600.00	4.54	279.94	11,551.95	163.93	-935.22	377,919.54	807,722.63	32.036067	-103.473671
11,700.00	3.04	279.94	11,651.73	165.07	-941.72	377,920.68	807,716.13	32.036070	-103.473692
11,800.00	1.54	279.94	11,751.64	165.76	-945.65	377,921.37	807,712.20	32.036072	-103.473705
11,900.00	0.04	279.94	11,851.63	166.00	-947.00	377,921.61	807,710.85	32.036073	-103.473709
11,902.37	0.00	0.00	11,854.00	166.00	-947.00	377,921.61	807,710.85	32.036073	-103.473709
12,000.00	0.00	0.00	11,951.63	166.00	-947.00	377,921.61	807,710.85	32.036073	-103.473709
12,100.00	0.00	0.00	12,051.63	166.00	-947.00	377,921.61	807,710.85	32.036073	-103.473709
12,200.00	0.00	0.00	12,151.63	166.00	-947.00	377,921.61	807,710.85	32.036073	-103.473709
12,252.41	0.00	0.00	12,204.04	166.00	-947.00	377,921.61	807,710.85	32.036073	-103.473709
	12252' MD, 50'	FNL 2300' F				•			
12,300.00	4.76	179.52	12,251.58	164.02	-946.98	377,919.63	807,710.87	32.036067	-103.473709
12,400.00		179.52	12,350.00	147.10	-946.84	377,902.70	807,711.01	32.036021	-103.473709
12,493.56	24.12	179.52	12,438.13	116.00	-946.58	377,871.61	807,711.27	32.035935	-103.473709
•	2494' MD, 100					,			
12,500.00	24.76	179.52	12,444.00	113.33	-946.56	377,868.94	807,711.29	32.035928	-103,473709
12,600.00	34.76	179.52	12,530.70	63.76	-946.15	377,819.37	807,711.70	32.035792	-103.473709
12,700.00	44.76	179.52	12,607.48	-0.11	-945.62	377,755.50	807,712.23	32.035616	-103.473709
12,800.00	54.76	179.52	12,671.99	-76.34	-944.99	377,679.27	807,712.86	32.035406	-103.473709
12,900.00	64.76	179.52	12,722.29	-162.62	-944.27	377,592.99	807,713.58	32.035169	-103.473709
13,000.00	74.76	179.52	12,756.85	-256.32	-943.49	377,499.28	807,714.36	32.034912	-103.473709
13,100.00	84.76	179.52	12,774.60	-354.60	-942.68	377,401.01	807,715.17	32.034642	-103.473709
13,152.41	90.00	179.52	12,777.00	-406.94	-942.24	377,348.67	807,715.61	32.034498	-103.473708
13,200.00	90.00	179.52	12,777.00	-454.53	-941.85	377,301.08	807,716.00	32.034367	-103.473708
13,300.00	90.00	179.52	12,777.00	-554.52	-941.02	377,201.09	807,716.83	32.034092	-103.473708
13,400.00	90.00	179.52	12,777.00	-654.52	-940.19	377,101.09	807,717.66	32.033817	-103.473708
13,500.00	90.00	179.52	12,777.00	-754.52	-939.36	377,001.09	807,718.49	32.033542	-103.473708
13,600.00	90.00	179.52	12,777.00	-854.51	-938.53	376,901.10	807,719.32	32.033267	-103.473708
13,700.00	90.00	179.52	12,777.00	-954.51	-937.70	376,801.10	807,720.15	32.032992	-103.473708
13,800.00	90.00	179.52	12,777.00	-1,054.51	-936.87	376,701.10	807,720.98	32.032718	-103.473708
13,900.00	90.00	179.52	12,777.00	-1,154.50	-936.04	376,601.11	807,721.81	32.032443	-103.473708
14,000.00	90.00	179.52	12,777.00	-1,254.50	-935.21	376,501.11	807,722.64	32.032168	-103.473708
14,100.00	90.00	179.52	12,777.00	-1,354.50	-934.38	376,401.12	807,723.47	32.031893	-103.473707
14,200.00	90.00	179.52	12,777.00	-1,454.49	-933.55	376,301.12	807,724.30	32.031618	-103.473707
14,300.00	90.00	179.52	12,777.00	-1,554.49	-932.72	376,201.12	807,725.13	32.031343	-103.473707
14,400.00	90.00	179.52	12,777.00	-1,654.49	-931.89	376,101.13	807,725.96	32.031068	-103.473707
14,500.00	90.00	179.52	12,777.00	-1,754.48	-931.06	376,001.13	807,726.79	32.030793	-103.473707
14,600.00	90.00	179.52	12,777.00	-1,854.48	-930.23	375,901.13	807,727.62	32.030519	-103.473707
14,700.00	90.00	179.52	12,777.00	-1,954.47	-929.40	375,801.14	807,728.45	32.030244	-103.473707
14,800.00	90.00	179.52	12,777.00	-2,054.47	-928.57	375,701.14	807,729.28	32.029969	-103.473707
14,900.00	90.00	179.52	12,777.00	-2,154.47	-927.74	375,601.14	807,730.11	32.029694	-103.473707
15,000.00	90.00	179.52	12,777.00	-2,254.46	-926.91	375,501.15	807,730.94	32.029419	-103.473706
15,100.00	90.00	179.52	12,777.00	-2,354.46	-926.08	375,401.15	807,731.77	32.029144	-103.473706
15,200.00	90.00	179.52	12,777.00	-2,454.46	-925.25	375,301.16	807,732.60	32.028869	-103.473706
15,300.00	90.00	179.52	12,777.00	-2,554.45	-924.42	375,201.16	807,733.43	32.028594	-103.473706
15,400.00	90.00	179.52	12,777.00	-2,654.45	-923.58	375,101.16	807,734.26	32.028320	-103.473706
15,500.00	90.00	179.52	12,777.00	-2,754.45	-922.75	375,001.17	807,735.10	32.028045	-103.473706

Database:

EDM r5000.141_Prod US WCDSC Permian NM

Company: Project:

Lea County (NAD83 New Mexico East)

Site:

Sec 21-T26S-R34E

Well:

Cobber 21-28 Fed 13H

Wellbore: Design:

Wellbore #1 Permit Plan 2 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well Cobber 21-28 Fed 13H

RKB @ 3332.10ft RKB @ 3332.10ft

Grid

Minimum Curvature

15.700.00 90.00 179.52 12.777.00 -2.954.44 -921.09 374.801.17 807.735.76 32.027495 -103.47 15.800.00 90.00 179.52 12.777.00 -3.054.44 -921.09 374.001.18 807.735.78 22.028945 -103.47 15.000.00 90.00 179.52 12.777.00 -3.254.33 -918.60 374.601.18 807.738.42 32.028945 -103.47 16.100.00 90.00 179.52 12.777.00 -3.254.34 -918.60 374.601.19 807.739.25 32.02835 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.43 -918.77 374.401.19 807.740.08 32.02835 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.42 -916.29 374.401.19 807.740.08 32.02835 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.42 -916.29 374.401.19 807.740.08 32.02835 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.42 -916.29 374.101.10 807.741.74 32.028846 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.42 -916.29 374.101.10 807.741.74 32.028846 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.42 -916.29 374.101.10 807.743.40 32.028251 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.42 -916.29 374.101.10 807.743.40 32.028251 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.41 -913.29 373.901.21 807.744.23 32.028251 -103.47 16.000.00 90.00 179.52 12.777.00 -3.254.40 -911.96 373.701.21 807.745.58 32.028471 -103.47 16.000.00 90.00 179.52 12.777.00 -4.054.00 -911.96 373.701.21 807.745.58 32.028471 -103.47 17.000.00 90.00 179.52 12.777.00 -4.054.00 -911.96 373.701.21 807.745.58 32.028471 -103.47 17.000.00 90.00 179.52 12.777.00 -4.254.00 -910.30 373.501.22 807.745.75 32.023322 -103.47 17.000.00 90.00 179.52 12.777.00 -4.254.00 -910.30 373.501.22 807.745.75 32.023322 -103.47 17.000.00 90.00 179.52 12.777.00 -4.254.00 -910.30 373.501.22 807.745.58 32.023322 -103.47 17.000.00 90.00 179.52 12.777.00 -4.254.00 -910.30 373.501.22 807.745.58 32.023322 -103.47 17.000.00 90.00 179.52 12.777.00 -4.254.30 -906.85 373.001.24 807.755.58 32.0223247 -103.47 17.000.00 90.00 179.52 12.777.00 -4.254.30 -906.85 373.001.24 807.755.58 32.0223247 -103.47 17.000.00 90.00 179.52 12.777.00 -4.254.30 -906.85 372.001.25 807.755.19 32.022332 -103.47 17.000.00 90.00 179.52 12.777.00 -4.254.30 -90	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,800.00 9 0.00 179.52 12,777.00 3,156.43 920.28 374,701.18 807,735.98 32,02220 1-103,47 15,000.00 9 0.00 179.52 12,777.00 3,156.43 918.40 374,501.18 807,739.25 32,026945 1-103,47 16,000.00 9 0.00 179.52 12,777.00 3,356.43 918.60 374,501.19 807,740.01 32,0261.11 16,000.00 9 0.00 179.52 12,777.00 3,356.43 918.60 374,501.19 807,740.01 32,0261.11 16,000.00 9 0.00 179.52 12,777.00 3,356.43 916.70 916.71 19 807,740.19 32,026946 1-103,47 16,000.00 9 0.00 179.52 12,777.00 3,356.42 916.91 47,000.00 90.00 179.52 12,777.00 3,356.42 916.91 47,000.00 90.00 179.52 12,777.00 3,356.42 916.91 47,000.00 90.00 179.52 12,777.00 3,356.42 916.91 47,000.00 90.00 179.52 12,777.00 3,356.42 916.91 47,000.00 90.00 179.52 12,777.00 3,356.42 916.91 47,000.00 90.00 179.52 12,777.00 3,356.41 913.82 373,901.21 807,745.59 32,026296 1-103,41 16,600.00 90.00 179.52 12,777.00 3,356.41 913.82 373,901.21 807,745.59 32,026296 1-103,41 16,600.00 90.00 179.52 12,777.00 4,654.00 911.93 373,801.22 807,745.59 32,02476 1-103,41 16,600.00 90.00 179.52 12,777.00 4,654.00 911.93 373,801.22 807,745.59 32,02476 1-103,41 16,600.00 90.00 179.52 12,777.00 4,154.40 911.13 373,601.22 807,745.59 32,02476 1-103,41 16,600.00 90.00 179.52 12,777.00 4,154.00 910.30 179.32 12,777.00 4,154.00 910.30 179.32 12,777.00 4,154.00 910.30 179.32 12,777.00 4,154.00 910.30 179.32 12,777.00 4,154.00 910.30 179.32 12,777.00 4,154.00 910.30 179.32 12,777.00 4,154.00 910.30 179.32 12,777.00 4,154.00 910.30 179.32 12,777.00 4,154.39 960.64 373,501.22 807,745.59 32,023922 103,41 17,700.00 90.00 179.52 12,777.00 4,154.39 960.64 373,501.22 807,745.59 32 20,02392 103,41 17,700.00 90.00 179.52 12,777.00 4,154.39 960.64 373,501.22 807,745.59 32 20,02392 103,41 17,700.00 90.00 179.52 12,777.00 4,154.39 960.65 373,501.22 807,745.59 32 20,02392 103,41 17,700.00 90.00 179.52 12,777.00 4,154.39 960.65 373,501.22 807,745.59 32 20,02392 103,41 17,700.00 90.00 179.52 12,777.00 4,154.39 960.65 373,501.22 807,745.59 32 20,02397 103,41 17,700.00 90.00 179.52 12,777.00 4,154.39 960.50 960.50 97.50 960				12,777.00	•		374,901.17			-103.4737
15,000,00 9,00 179,52 12,777,00 3,154,43 9918,50 374,60118 807,739,24 32,026945 103,44 16,100,00 90,00 179,52 12,777,00 3,354,43 9917,77 374,40119 807,740,08 32,026355 103,44 16,000,00 90,00 179,52 12,777,00 3,354,42 916,13 374,20120 807,740,24 32,026121 103,44 16,000,00 90,00 179,52 12,777,00 3,354,42 916,12 374,40119 807,740,08 32,026355 103,44 16,000,00 90,00 179,52 12,777,00 3,354,42 916,13 374,20120 807,742,57 32,026571 103,41 16,000,00 90,00 179,52 12,777,00 3,354,42 916,28 374,10120 807,743,40 32,0262571 103,41 16,000,00 90,00 179,52 12,777,00 3,354,42 916,28 374,10120 807,743,40 32,0262571 103,41 16,000,00 90,00 179,52 12,777,00 3,354,42 916,28 374,0120 807,743,40 32,026201 103,41 16,000,00 90,00 179,52 12,777,00 3,354,41 9313,52 373,60121 807,745,58 32,0263021 103,41 16,000,00 90,00 179,52 12,777,00 4,054,40 9311,56 373,70121 807,745,58 32,026476 103,41 17,000,00 90,00 179,52 12,777,00 4,154,40 9310,59 373,50122 807,746,75 32,026392 103,41 17,000,00 90,00 179,52 12,777,00 4,154,40 9810,30 373,50122 807,746,75 32,026392 103,41 17,000,00 90,00 179,52 12,777,00 4,154,40 9810,30 373,50122 807,746,75 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 9810,30 373,50122 807,746,75 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 9810,30 373,50122 807,746,75 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807,760,36 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807,760,36 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807,760,36 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807,760,36 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807,760,36 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807,760,36 32,026340 113,000,00 90,00 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807,760,36 83,000,30 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807,760,36 83,000,300 179,52 12,777,00 4,154,40 980,40 980,40 373,001,24 807	15,700.00	90.00	179.52		•		374,801.17	807,736.76	32.027495	-103.4737
16,000.00 90.00 179.52 12,777.00 -3,254.43 -918.50 374,501.18 607,740.925 32,026895 -103,44 16,200.00 90.00 179.52 12,777.00 -3,454.42 -916.94 374,301.19 807,740.91 32,0268121 -103,44 16,200.00 90.00 179.52 12,777.00 -3,554.42 -916.28 374,101.20 807,741.75 32,025816 -103,44 16,600.00 90.00 179.52 12,777.00 -3,554.42 -916.28 374,101.20 807,743.75 32,025816 -103,44 16,600.00 90.00 179.52 12,777.00 -3,754.41 -913.62 374,101.20 807,743.75 32,025816 -103,44 16,600.00 90.00 179.52 12,777.00 -3,854.41 -913.62 373,901.21 807,743.57 32,025816 -103,44 16,600.00 90.00 179.52 12,777.00 -3,854.41 -913.62 373,901.21 807,745.59 32,024766 -103,44 16,600.00 90.00 179.52 12,777.00 -4,654.40 -911.96 373,701.21 807,745.79 32,024411 -103,44 16,600.00 90.00 179.52 12,777.00 -4,654.00 -911.96 373,701.21 807,745.79 32,024411 -103,44 17,000.00 90.00 179.52 12,777.00 -4,654.00 -911.96 373,901.22 807,745.72 32,024196 -103,44 17,000.00 90.00 179.52 12,777.00 -4,454.33 9-89.47 373,401.22 807,745.59 32,023972 -103,44 17,000.00 90.00 179.52 12,777.00 -4,454.33 9-89.47 373,401.22 807,746.72 32,023972 -103,44 17,000.00 90.00 179.52 12,777.00 -4,454.33 9-89.47 373,401.22 807,745.59 32,023972 -103,44 17,000.00 90.00 179.52 12,777.00 -4,454.33 9-89.47 373,401.22 807,745.50 32,023972 -103,44 17,000.00 90.00 179.52 12,777.00 -4,454.33 9-89.47 373,401.22 807,745.50 32,023972 -103,44 17,000.00 90.00 179.52 12,777.00 -4,454.33 9-89.47 373,401.22 807,745.50 32,023972 -103,44 17,000.00 90.00 179.52 12,777.00 -4,454.33 9-89.47 373,401.22 807,763.50 32,023972 -103,44 17,000.00 90.00 179.52 12,777.00 -4,454.33 9-89.47 373,401.22 807,763.50 32,024441 -103,44 17,000.00 90.00 179.52 12,777.00 -4,	15,800.00	90.00	179.52	12,777.00	-3,054.44	-920.26	374,701.18	807,737.59	32.027220	-103.4737
16,100,00 90,00 178,52 12,777.00 3,354.43 991.77 374,401.19 807,740.08 32,026395 -103.44 16,200,00 90,00 178,52 12,777.00 3,354.42 9916.94 374,201.20 807,741.74 32,025846 -103.44 16,400,00 90,00 178,52 12,777.00 -3,554.42 9916.91 374,201.20 807,741.74 32,025846 -103.44 16,500,00 90,00 178,52 12,777.00 -3,554.42 9916.20 374,101.20 807,741.74 32,025846 -103.44 16,500,00 90,00 178,52 12,777.00 -3,554.41 9914.45 374,001.20 807,742.50 807,242.50 32,025826 -103.44 16,500,00 90,00 178,52 12,777.00 -3,554.41 9914.45 374,001.20 807,743.40 32,025296 -103.44 16,500,00 90,00 179,52 12,777.00 -3,554.41 9914.45 374,001.20 807,743.40 32,025296 -103.44 16,500,00 90,00 179,52 12,777.00 -4,564.40 -911.39 373,701.21 807,745.89 32,024747 -103.44 17,000,00 90,00 179,52 12,777.00 -4,554.39 -909.47 373,501.22 807,747.55 32,023522 -103.44 17,000,00 90,00 179,52 12,777.00 -4,554.39 -909.47 373,501.22 807,747.55 32,023522 -103.44 17,200.00 90,00 179,52 12,777.00 -4,554.39 -909.47 373,501.22 807,745.59 32,02352 -103.44 17,200.00 90,00 179,52 12,777.00 -4,554.39 -909.48 907.48 38 807,750.87 32,022372 -103.44 17,500.00 90,00 179,52 12,777.00 -4,554.39 -909.48 907.81 373,301.23 807,749.21 32,023372 -103.44 17,500.00 90,00 179,52 12,777.00 -4,554.39 -908.48 907.81 373,301.24 807,750.87 32,022262 103.44 17,500.00 90,00 179,52 12,777.00 -4,554.39 -908.48 907.81 373,301.24 807,750.87 32,022262 103.44 17,500.00 90,00 179,52 12,777.00 -4,554.39 -906.81 373,301.24 807,756.87 32,022262 103.44 17,500.00 90,00 179.52 12,777.00 -4,554.39 -906.81 373,301.24 807,756.87 32,022262 103.44 17,500.00 90.00 179.52 12,777.00 -4,554.39 -906.81 373,301.24 807,756.87 32,022262 103.44 17,500.00 90.00 179.52 12,777.00 -5,554.37 -903.56 372,701.25 807,754.19 32,0203372 103.44 17,500.00 90.00 179.52 12,777.00 -5,554.39 -903.59 373,010.24 807,756.83 32,021097 103.44 17,500.00 90.00 179.52 12,777.00 -5,554.39 -903.59 373,010.24 807,756.83 32,021097 103.44 17,500.00 90.00 179.52 12,777.00 -5,554.39 -896.81 373,010.25 807,756.83 32,021099 103.44 17,500.00 90.00 179.52 12	15,900.00	90.00	179.52	12,777.00	-3,154.43	-919.43	374,601.18	807,738.42	32.026945	-103.4737
16,200,00 90,00 179.52 12,777.00 3,354.42 9916.94 374,301.19 807,740.91 32.026121 -103.47 16,300,00 90,00 179.52 12,777.00 -3,554.42 -915.28 374,101.20 807,742.57 32.025596 -103.47 16,500,00 90,00 179.52 12,777.00 -3,554.41 -915.28 374,101.20 807,742.57 32.025596 -103.47 16,500,00 90,00 179.52 12,777.00 -3,554.41 -912.79 373,801.21 807,745.06 32.024746 -103.47 16,500,00 90,00 179.52 12,777.00 -3,554.41 -912.79 373,801.21 807,745.06 32.024746 -103.47 16,500,00 90,00 179.52 12,777.00 -4,054.40 -911.95 373,801.21 807,745.06 32.024746 -103.47 16,500,00 90,00 179.52 12,777.00 -4,054.40 -911.91 373,801.21 807,745.06 32.024746 -103.47 16,500,00 90,00 179.52 12,777.00 -4,054.40 -911.91 373,801.22 807,745.06 32.024746 -103.47 16,500,00 90,00 179.52 12,777.00 -4,054.40 -911.91 373,801.22 807,745.06 32.024746 -103.47 17,000,00 90,00 179.52 12,777.00 -4,054.00 -910.30 373,501.22 807,745.06 32.023922 -103.47 17,000,00 90,00 179.52 12,777.00 -4,454.39 -990.80 47 373,401.22 807,745.38 32.023927 -103.47 17,400,00 90,00 179.52 12,777.00 -4,654.38 -906.89 373,401.22 807,745.38 32.023927 -103.47 17,400,00 90,00 179.52 12,777.00 -4,654.38 -906.89 373,001.24 807,750.04 32.023997 -103.47 17,500,00 90,00 179.52 12,777.00 -4,654.38 -906.89 373,01.24 807,750.04 32.023997 -103.47 17,600,00 90,00 179.52 12,777.00 -4,654.38 -906.89 373,01.24 807,750.75 0.04 32.023997 -103.47 17,600,00 90,00 179.52 12,777.00 -4,654.38 -906.89 373,01.24 807,750.75 0.04 32.023997 -103.47 17,600,00 90,00 179.52 12,777.00 -4,654.38 -906.89 372,01.24 807,750.75 0.04 32.023997 -103.47 17,600,00 90,00 179.52 12,777.00 -4,654.38 -906.89 372,01.25 807,751.00 32.022547 -103.47 17,600,00 90,00 179.52 12,777.00 -4,654.38 -906.89 372,01.25 807,751.09 32.0221997 -103.47 17,600.00 90,00 179.52 12,777.00 -5,662.37 -903.58 372,01.25 807,751.90 32.021997 -103.47 17,600.00 90,00 179.52 12,777.00 -5,664.35 -900.34 372,01.25 807,755.02 32.021448 -103.47 17,600.00 90,00 179.52 12,777.00 -5,664.35 -900.34 372,01.25 807,755.02 32.021448 -103.47 18,000.00 90.00 179.52 12,777.00 -5	16,000.00	90.00	179.52	12,777.00	-3,254.43	-918.60	374,501.18	807,739.25	32.026670	-103.4737
16.300.00 90.00 178.52 12,777.00 -3,854.42 -916.11 374,201.20 807,741.74 32.025846 -103.47 16,600.00 90.00 178.52 12,777.00 -3,854.42 -916.28 374,101.20 807,743.40 32.025296 -103.47 16,600.00 90.00 178.52 12,777.00 -3,854.41 -914.45 374,001.20 807,743.40 32.025296 -103.47 16,600.00 90.00 178.52 12,777.00 -3,854.41 -918.62 373,901.21 807,744.23 32.02501 -103.47 16,600.00 90.00 178.52 12,777.00 -3,854.41 -918.62 373,901.21 807,745.88 32.024476 -103.47 16,600.00 90.00 178.52 12,777.00 -4,054.00 -911.13 973,701.21 807,745.88 32.024471 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.00 -911.13 973,701.21 807,745.88 32.024471 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.00 -911.30 373,501.22 807,747.55 32.023922 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.00 -910.30 373,501.22 807,747.55 32.023922 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.47 373,301.23 807,749.21 32.023496 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.47 373,301.23 807,759.87 32.022372 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.64 373,301.23 807,759.87 32.022372 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.64 373,301.24 807,750.87 32.022372 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.87 373,001.24 807,750.87 32.022372 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.81 90.81 807,750.87 32.022272 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.81 973,001.24 807,750.87 32.022272 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.81 973,001.24 807,750.87 32.022272 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.81 973,001.25 807,756.87 32.022172 -103.47 17,000.00 90.00 178.52 12,777.00 -4,054.39 -908.81 973,001.25 807,756.88 32.021193 -103.47 17,000.00 90.00 178.52 12,777.00 -5,054.37 -904.49 372,001.25 807,756.26 32.021448 -103.47 17,000.00 90.00 178.52 12,777.00 -5,054.37 -904.49 372,001.25 807,756.26 32.021448 -103.47 17,000.00 90.00 178.52 12,777.00 -5,054.39 -902.80 372,001.25 807,756.26 32.021448 -103.47 18,000.00 90.00 178.52 12,777.00 -5,054.39 -903.86	16,100.00	90.00	179.52	12,777.00	-3,354.43	-917.77	374,401.19	807,740.08	32.026395	-103.473
16,400,00 90,00 178,52 12,777.00 3,854.42 9-16,28 374,010.20 807,742.57 32.025571 -103.47 16,500.00 90,00 178,52 12,777.00 -3,754.41 9-13.62 373,901.21 807,744.23 32.025021 -103.47 16,500.00 90,00 178,52 12,777.00 -3,954.41 9-13.62 373,901.21 807,744.23 32.025021 -103.47 16,500.00 90,00 178,52 12,777.00 -4,954.40 -9-11.86 373,701.21 807,745.89 32.024746 -103.47 16,500.00 90,00 178,52 12,777.00 -4,154.40 -9-11.86 373,701.21 807,745.89 32.024746 -103.47 16,500.00 90,00 178,52 12,777.00 -4,154.40 -9-11.30 373,501.22 807,745.89 32.024746 -103.47 17,000.00 90,00 178,52 12,777.00 -4,254.40 -9-11.30 373,501.22 807,745.89 32.024196 -103.47 17,000.00 90,00 178,52 12,777.00 -4,254.40 -9-11.30 373,501.22 807,745.89 32.023847 -103.47 17,000.00 90,00 178,52 12,777.00 -4,254.90 -900.84 17,300.00 90,00 178,52 12,777.00 -4,454.39 -908.64 373,401.22 807,748.38 32.023847 -103.47 17,300.00 90,00 178,52 12,777.00 -4,654.38 -906.89 373,401.22 807,760.04 32.023097 -103.47 17,500.00 90,00 178,52 12,777.00 -4,654.38 -906.89 373,401.22 807,750.04 32.023097 -103.47 17,500.00 90.00 178,52 12,777.00 -4,654.38 -906.89 373,401.23 807,750.04 32.023097 -103.47 17,500.00 90.00 178,52 12,777.00 -4,654.38 -906.89 373,401.24 807,751.70 32.022547 -103.47 17,500.00 90.00 178,52 12,777.00 -4,654.38 -906.89 373,401.24 807,751.70 32.022547 -103.47 17,500.00 90.00 178,52 12,777.00 -4,554.38 -906.89 372,801.25 807,754.26 32.021997 -103.47 17,500.00 90.00 178,52 12,777.00 -5,564.37 -904.49 372,801.25 807,755.33 32.022272 -103.47 17,500.00 90.00 178,52 12,777.00 -5,564.37 -904.49 372,801.25 807,755.02 32.021448 -103.47 17,500.00 90.00 178,52 12,777.00 -5,564.38 -906.89 372,701.25 807,755.02 32.021448 -103.47 17,500.00 90.00 178,52 12,777.00 -5,564.37 -904.49 372,801.25 807,755.02 32.021448 -103.47 18,000.00 90.00 178.52 12,777.00 -5,564.38 -906.39 372,701.26 807,755.85 32.021173 -103.47 18,000.00 90.00 178.52 12,777.00 -5,564.39 -903.89 372,701.26 807,756.83 32.021479 -103.47 18,000.00 90.00 178.52 12,777.00 -5,564.39 -890.89 372,701.26 807,766.83 32.0165	16,200.00	. 90.00	179.52	12,777.00	-3,454.42	-916.94	374,301.19	807,740.91	32.026121	-103.473
16,500,00 90,00 179,52 12,777.00 -3,854,41 9-913,62 373,90.121 807,743,40 32,025296 1-03,47 16,600,00 90,00 179,52 12,777.00 -3,854,41 9-912,79 373,801,21 807,745,66 32,024746 1-03,47 16,600,00 90,00 179,52 12,777.00 -4,054,40 9-911,33 373,601,22 807,745,66 32,024746 1-03,47 17,000,00 90,00 179,52 12,777.00 4,254,40 9-911,33 373,601,22 807,745,72 32,024196 1-03,47 17,000,00 90,00 179,52 12,777.00 4,254,40 9-911,33 373,601,22 807,745,75 32,023922 1-03,47 17,000,00 90,00 179,52 12,777.00 4,354,39 9-90,47 373,401,22 807,748,38 32,023927 1-03,47 17,000,00 90,00 179,52 12,777.00 4,354,39 9-90,47 373,401,22 807,748,38 32,023927 1-03,47 17,300,00 90,00 179,52 12,777.00 4,554,39 9-90,47 373,401,22 807,749,21 32,023372 1-03,47 17,300,00 90,00 179,52 12,777.00 4,554,39 9-90,48 373,401,22 807,749,21 32,023372 1-03,47 17,500,00 90,00 179,52 12,777.00 4,554,39 9-90,86 373,101,24 807,750,67 32,022522 1-03,47 17,500,00 90,00 179,52 12,777.00 4,754,38 9-90,88 373,101,24 807,750,67 32,022522 1-03,47 17,500,00 90,00 179,52 12,777.00 4,754,38 9-90,88 373,101,24 807,750,67 32,022522 1-03,47 17,500,00 90,00 179,52 12,777.00 4,754,38 9-90,88 372,701,25 807,753,36 32,021997 1-03,47 17,500,00 90,00 179,52 12,777.00 4,754,38 9-90,88 372,701,25 807,754,19 32,022527 1-03,47 17,500,00 90,00 179,52 12,777.00 4,554,37 9-03,68 372,701,25 807,754,19 32,022197 1-03,47 17,500,00 90,00 179,52 12,777.00 4,554,37 9-03,68 372,701,25 807,754,19 32,021997 1-03,47 17,500,00 90,00 179,52 12,777.00 4,554,37 9-03,68 372,701,25 807,754,19 32,021997 1-03,47 17,500,00 90,00 179,52 12,777.00 5,502,37 9-03,58 372,501,25 807,754,19 32,021997 1-03,47 17,500,00 90,00 179,52 12,777.00 5,502,37 9-03,58 372,501,25 807,754,19 32,021937 1-03,47 17,500,00 90,00 179,52 12,777.00 5,502,37 9-03,58 39,501,25 807,754,19 32,021937 1-03,47 17,500,00 90,00 179,52 12,777.00 5,502,33 9-03,59 372,501,25 807,754,19 32,021937 1-03,47 18,500,00 90,00 179,52 12,777.00 5,502,33 9-80,33 17,501,28 807,756,68 32,021173 1-03,47 18,500,00 90,00 179,52 12,777.00 5,504,38 9-90,48 9-90,48 9-	16,300.00	90.00	179.52	12,777.00	-3,554.42	- 916.11	374,201.20	807,741.74	32.025846	-103.473
16,600,00 90,00 179,52 12,777.00 -3,864.41 -913,62 373,901.21 807,744.23 32,025021 -103,47 16,800,00 90,00 179,52 12,777.00 -3,954.41 -912,79 373,801.21 807,745.89 32,024748 -103,47 16,900,00 90,00 179,52 12,777.00 -4,684.00 -911,96 373,701.21 807,745.89 32,024747 193,47 16,900,00 90,00 179,52 12,777.00 -4,684.00 -910,30 373,501.22 807,745.75 32,023922 193,47 17,000,00 90,00 179,52 12,777.00 -4,484.00 -910,30 373,501.22 807,745.75 32,023922 193,47 17,200,00 90,00 179,52 12,777.00 -4,484.00 -910,30 373,501.22 807,746.72 32,024198 173,000,00 90,00 179,52 12,777.00 -4,684.39 -908,64 373,301.23 807,748.38 32,023647 193,47 17,300,00 90,00 179,52 12,777.00 -4,684.38 -908,81 373,011.24 807,750.04 32,023097 193,47 17,000,00 90,00 179,52 12,777.00 -4,684.38 -908,81 373,011.24 807,750.07 32,022322 193,47 17,500,00 90,00 179,52 12,777.00 -4,684.38 -908,81 373,011.24 807,750.77 32,022327 193,47 17,500,00 90,00 179,52 12,777.00 -4,684.38 -908,81 373,011.24 807,750.77 32,022547 193,47 17,500,00 90,00 179,52 12,777.00 -4,684.37 -904,89 372,801.25 807,753.36 32,02297 193,47 17,500,00 90,00 179,52 12,777.00 -4,684.37 -904,89 372,801.25 807,753.36 32,022997 193,47 17,500,00 90,00 179,52 12,777.00 -5,062.37 -903,366 372,701.25 807,754.19 32,022172 193,47 17,500,00 90,00 179,52 12,777.00 -5,062.37 -903,56 372,701.25 807,754.19 32,021723 193,47 17,500,00 90,00 179,52 12,777.00 -5,054.37 -903,66 372,701.25 807,754.19 32,021723 193,47 18,000,00 90,00 179,52 12,777.00 -5,054.37 -903,66 372,701.25 807,754.19 32,021723 193,47 18,000,00 90,00 179,52 12,777.00 -5,054.37 -903,96 372,701.25 807,754.19 32,021723 193,47 18,000,00 90,00 179,52 12,777.00 -5,054.37 -903,96 372,701.25 807,754.19 32,0201723 193,47 18,000,00 90,00 179,52 12,777.00 -5,054.37 -903,96 372,701.25 807,754.19 32,0201723 193,47 18,000,00 90,00 179,52 12,777.00 -5,054.35 -809,17 374,47 18,000,00 90,00 179,52 12,777.00 -5,054.35 -809,17 374,47 18,000,00 90,00 179,52 12,777.00 -5,054.35 -809,17 374,47 18,000,00 90,00 179,52 12,777.00 -5,054.35 -809,17 374,47 18,000,00 90,00	16,400.00	90.00	179.52	12,777.00	-3,654.42	-915.28	374,101.20	807,742.57	32.025571	-103.473
16,700.00 90.00 179.52 12,777.00 -3,954.41 -912.79 373,801.21 807,745.06 32,024746 -103.47 16,800.00 90.00 179.52 12,777.00 -4,054.40 -911.96 373,701.21 807,745.72 32,024171 -103.47 17,000.00 90.00 179.52 12,777.00 -4,054.40 -911.31 373,801.22 807,745.72 32,024196 -103.47 17,000.00 90.00 179.52 12,777.00 -4,254.40 -911.31 373,801.22 807,745.72 32,024196 -103.47 17,000.00 90.00 179.52 12,777.00 -4,254.40 -911.31 373,801.22 807,745.73 32,023922 -103.47 17,200.00 90.00 179.52 12,777.00 -4,454.39 -909.68 173,301.23 807,749.21 32,023372 -103.47 17,300.00 90.00 179.52 12,777.00 -4,554.39 -906.89 373,012.2 807,749.21 32,023372 -103.47 17,300.00 90.00 179.52 12,777.00 -4,554.39 -906.89 373,012.2 807,749.21 32,023372 -103.47 17,500.00 90.00 179.52 12,777.00 -4,554.39 -906.89 373,012.39 807,749.21 32,023372 -103.47 17,500.00 90.00 179.52 12,777.00 -4,554.39 -906.89 373,012.4 807,751.70 32,022222 -103.47 17,500.00 90.00 179.52 12,777.00 -4,554.39 -906.15 373,001.24 807,751.70 32,022222 -103.47 17,500.00 90.00 179.52 12,777.00 -4,554.37 -905.52 372,901.24 807,752.53 32,022272 -103.47 17,500.00 90.00 179.52 12,777.00 -5,054.37 -903.69 372,693.25 807,754.26 32,021701 -103.47 17,500.00 90.00 179.52 12,777.00 -5,054.37 -903.59 372,693.25 807,754.26 32,021701 -103.47 17,500.00 90.00 179.52 12,777.00 -5,054.37 -903.59 372,693.25 807,754.26 32,021701 -103.47 17,500.00 90.00 179.52 12,777.00 -5,054.37 -903.59 372,693.25 807,754.26 32,021701 -103.47 18,000.00 90.00 179.52 12,777.00 -5,054.37 -903.59 372,693.25 807,754.26 32,021701 -103.47 18,000.00 90.00 179.52 12,777.00 -5,054.37 -903.69 90.00 9	16,500.00	90.00	179.52	12,777.00	-3,754.41	-914.45	374,001.20	807,743.40	32.025296	-103.473
16,800,00 90,00 179,52 12,777,00 4,054.40 911.98 373,701.21 807,745.89 32,024.17 1-103.47 17,000,00 90,00 179,52 12,777,00 4,154.40 911.31 373,601.22 807,745.75 32,023.92 1-103.47 17,100,00 90,00 179,52 12,777,00 4,454.40 910.30 373,501.22 807,745.75 32,023.92 1-103.47 17,100,00 90,00 179,52 12,777,00 4,454.93 909.47 373,401.22 807,748.38 32,023.927 1-103.47 17,300,00 90,00 179,52 12,777,00 4,454.93 909.47 373,401.22 807,748.38 32,023.927 1-103.47 17,400,00 90,00 179,52 12,777,00 4,454.38 906.18 373,301.24 807,750.87 32,023.927 1-103.47 17,400,00 90,00 179,52 12,777,00 4,645.38 906.18 373,301.24 807,750.87 32,023.927 1-103.47 17,500,00 90,00 179,52 12,777,00 4,645.38 906.18 373,001.24 807,751.07 32,022.822 103.47 17,500,00 90,00 179,52 12,777,00 4,645.37 906.32 372,901.24 807,751.70 32,022.822 1103.47 17,600,00 90,00 179,52 12,777,00 4,854.37 906.32 372,901.24 807,751.70 32,022.822 1103.47 17,600.00 90,00 179,52 12,777,00 4,854.37 906.32 372,901.24 807,751.70 32,022.822 1103.47 17,600.00 90,00 179,52 12,777,00 4,854.37 903.58 372,012.58 807,754.19 32,021.923 1103.47 17,800.00 90,00 179,52 12,777,00 4,854.37 903.58 372,012.58 807,754.19 32,021.923 1103.47 17,800.00 90,00 179,52 12,777,00 5,063.37 903.59 372,012.58 807,754.19 32,021.723 1103.47 18,000.00 90,00 179,52 12,777,00 5,524.36 902.08 372,012.58 807,754.19 32,021.723 1103.47 18,000.00 90,00 179,52 12,777,00 5,524.36 900.28 372,012.58 807,754.19 32,021.723 1103.47 18,000.00 90,00 179,52 12,777,00 5,524.36 900.00 90.00 179,52 12,777,00 5,545.35 900.34 372,012.8 807,755.83 32,021.48 103.47 18,000.00 90,00 179,52 12,777,00 5,545.35 900.34 372,012.8 807,755.83 32,021.48 103.47 18,000.00 90,00 179,52 12,777,00 5,545.35 900.34 372,012.8 807,756.88 32,021.73 32,020.83 1103.47 18,000.00 90,00 179,52 12,777,00 5,545.35 900.34 372,012.8 807,766.08 32,021.93 103.47 18,000.00 90,00 179,52 12,777,00 5,545.35 903.86 372,012.8 807,766.08 32,019.93 103.47 18,000.00 90,00 179,52 12,777,00 5,545.35 903.8 802.00 373,001.28 807,766.08 32,019.93 103.47 18,000.00 90,00 179,52 1	16,600.00	90.00	179.52	12,777.00	-3,854.41	-913.62	373,901.21	807,744.23	32.025021	-103.473
16.900.00 90.00 179.52 12.777.00 4.154.40 -910.30 373.601.22 807.746.72 32.024186 1-103.47 17.000.00 90.00 179.52 12.777.00 4.254.40 -910.30 373.501.22 807.746.73 32.023922 -103.41 17.100.00 90.00 179.52 12.777.00 4.554.39 -909.47 373.401.22 807.748.38 32.023847 -103.47 17.000.00 90.00 179.52 12.777.00 4.554.39 -907.81 373.201.23 807.749.21 32.023072 -103.47 17.400.00 90.00 179.52 12.777.00 4.554.39 -907.81 373.201.23 807.750.04 32.023072 -103.47 17.400.00 90.00 179.52 12.777.00 4.564.38 -906.84 373.101.24 807.750.87 32.022802 -103.47 17.500.00 90.00 179.52 12.777.00 4.754.38 -906.15 373.001.24 807.750.17 32.022547 -103.47 17.500.00 90.00 179.52 12.777.00 4.754.38 -906.15 373.001.24 807.750.17 32.022547 -103.47 17.500.00 90.00 179.52 12.777.00 4.754.38 -906.15 373.001.24 807.750.17 32.022547 -103.47 17.500.00 90.00 179.52 12.777.00 4.754.37 -903.65 372.701.25 807.753.39 32.02272 -103.47 17.500.00 90.00 179.52 12.777.00 5.506.37 -903.65 372.701.25 807.753.39 32.021793 -103.47 17.500.00 90.00 179.52 12.777.00 5.506.37 -903.65 372.701.25 807.754.26 32.021701 103.47 17.500.00 90.00 179.52 12.777.00 5.506.37 -903.65 372.701.25 807.755.25 32.02140 103.47 17.500.00 90.00 179.52 12.777.00 5.506.37 -903.65 372.701.25 807.755.25 32.02140 103.47 17.500.00 90.00 179.52 12.777.00 5.516.36 -902.83 372.601.25 807.755.62 32.02140 103.47 18.000.00 90.00 179.52 12.777.00 5.516.36 -902.83 372.601.25 807.755.62 32.02140 103.47 18.000.00 90.00 179.52 12.777.00 5.564.35 -898.51 372.001.25 807.756.68 32.02088 1-103.47 18.000.00 90.00 179.52 12.777.00 5.564.35 -899.51 372.201.27 807.756.83 32.020334 103.44 18.000.00 90.00 179.52 12.777.00 5.564.35 -899.51 372.201.27 807.756.83 32.020334 103.44 18.000.00 90.00 179.52 12.777.00 5.564.35 -899.51 372.201.27 807.756.83 32.020334 103.44 18.000.00 90.00 179.52 12.777.00 5.664.35 -898.68 372.101.27 807.756.83 32.020334 103.44 18.000.00 90.00 179.52 12.777.00 5.664.35 -898.68 372.101.27 807.756.83 32.020334 103.44 18.000.00 90.00 179.52 12.777.00 5.664.35 -898.68 372.101.27 807.766.04 32.01994	16,700.00	90.00	179.52	12,777.00	-3,954.41	-912.79	373,801.21	807,745.06	32.024746	-103.473
17,000,00 90,00 179,52 12,777,00 4,254.40 9-10,30 373,501.22 807,747.55 32,023922 -103.47 17,200,00 90,00 179,52 12,777.00 4,454.39 -908.47 373,401.22 807,749.21 32,023372 -103.47 17,200,00 90,00 179,52 12,777.00 4,454.39 -908.48 373,301.23 807,759.04 32,023372 -103.47 17,200,00 90,00 179,52 12,777.00 -4,654.38 -906.98 373,101.24 807,755.07 32,022822 -103.47 17,500,00 90,00 179,52 12,777.00 -4,654.38 -906.98 373,101.24 807,751.07 32,022822 -103.47 17,500,00 90,00 179,52 12,777.00 -4,854.37 -905.32 372,901.24 807,751.70 32,022822 -103.47 17,700,00 90,00 179,52 12,777.00 -4,854.37 -904.49 372,801.25 807,753.38 32,022272 -103.47 17,600,00 90,00 179,52 12,777.00 -5,064.37 -904.49 372,801.25 807,753.39 32,02272 -103.47 17,800,00 90,00 179,52 12,777.00 -5,064.37 -903.56 372,701.25 807,754.19 32,021701 -103.47 17,900,00 90,00 179,52 12,777.00 -5,264.36 -902.83 372,801.25 807,755.02 32,021448 -103.47 18,000,00 90,00 179,52 12,777.00 -5,254.36 -902.03 372,501.25 807,755.68 32,021701 -103.47 18,000,00 90,00 179,52 12,777.00 -5,254.36 -902.03 372,501.25 807,755.68 32,021703 -103.47 18,000,00 90,00 179,52 12,777.00 -5,554.35 -898.68 372,012.5 807,755.68 32,021448 -103.47 18,000,00 90,00 179,52 12,777.00 -5,554.35 -898.68 372,012.2 807,756.86 32,020898 -103.47 18,000,00 90,00 179,52 12,777.00 -5,554.35 -898.68 372,012.7 807,756.13 32,020838 -103.47 18,000,00 90,00 179,52 12,777.00 -5,554.35 -898.68 372,012.7 807,756.08 32,019798 -103.47 18,000,00 90,00 179,52 12,777.00 -5,554.35 -898.69 371,901.28 807,766.08 32,019798 -103.47 18,000,00 90,00 179,52 12,777.00 -6,554.35 -898.69 371,901.28 807,766.83 32,019824 -103.47 18,000,00 90,00	16,800.00	90.00	179.52	12,777.00	-4,054.40	-911.96	373,701.21	807,745.89	32.024471	-103.473
17,000,00 90,00 179.52 12,777.00 4,454.40 910.30 373,501.22 807,747.55 32,023922 1-103.47 17,200,00 90,00 179.52 12,777.00 4,454.39 -908.47 373,401.22 807,749.21 32,023372 1-103.47 17,200,00 90,00 179.52 12,777.00 4,454.39 -908.48 373,301.23 807,749.21 32,023372 1-103.47 17,200,00 90,00 179.52 12,777.00 4,454.39 -908.48 373,301.23 807,750.04 32,023097 1-103.47 17,200,00 90,00 179.52 12,777.00 4,654.38 -906.19 373,101.24 807,750.87 32,022822 1-103.47 17,500.00 90,00 179.52 12,777.00 4,654.38 -906.19 373,101.24 807,751.70 32,022822 1-103.47 17,500.00 90,00 179.52 12,777.00 4,554.37 -904.49 372,801.25 807,753.39 32,022272 1-103.47 17,500.00 90.00 179.52 12,777.00 4,554.37 -904.49 372,801.25 807,753.39 32,022272 1-103.47 17,500.00 90.00 179.52 12,777.00 4,554.39 372,001.25 807,753.39 32,02272 1-103.47 17,500.00 90.00 179.52 12,777.00 4,554.37 -903.59 372,691.25 807,754.19 32,021721 1-103.47 17,500.00 90.00 179.52 12,777.00 4,554.35 -903.59 372,691.25 807,755.22 32,021448 18,000.00 90.00 179.52 12,777.00 4,554.35 -902.83 372,001.25 807,755.85 32,021701 1-103.47 18,000.00 90.00 179.52 12,777.00 4,528.36 902.00 372,501.26 807,755.86 32,021713 1-103.47 18,000.00 90.00 179.52 12,777.00 4,528.36 902.00 372,501.26 807,755.86 32,021713 1-103.47 18,000.00 90.00 179.52 12,777.00 4,528.35 -900.34 372,301.27 807,755.86 32,021448 1-103.47 18,000.00 90.00 179.52 12,777.00 4,554.35 -900.34 372,301.27 807,755.86 32,021448 1-103.47 18,000.00 90.00 179.52 12,777.00 4,554.35 -900.34 372,301.27 807,755.86 32,021448 1-103.47 18,000.00 90.00 179.52 12,777.00 4,554.35 -900.34 372,301.27 807,755.83 32,021448 1-103.47 18,000.00 90.00 179.52 12,777.00 4,554.35 -900.34 372,301.28 807,766.83 32,002683 1-103.47 18,000.00 90.00 179.52 12,777.00 4,564.35 -900.34 18,000.00 90.00 179.52 12,777.00 4,564.35 -900.34 18,000.00 90.00 179.52 12,777.00 4,564.35 -900.34 18,000.00 90.00 179.52 12,777.00 4,564.35 -900.34 18,000.00 90.00 179.52 12,777.00 4,564.35 -900.34 18,000.00 90.00 179.52 12,777.00 4,000.00 18,000 18,000 18,000 18,000 18,000 18,000 18,0	16,900.00	90.00	179.52	12,777.00	-4,154.40	-911.13	373,601.22	807,746.72	32.024196	-103.473
17,200,00 90,00 179,52 12,777,00 4,454,39 -908,64 373,301,23 807,749,21 32,023372 -103,47 17,300,00 90,00 179,52 12,777,00 4,654,38 -906,89 373,011,24 807,750,04 32,023097 -103,47 17,600,00 90,00 179,52 12,777,00 4,654,38 -906,15 373,001,24 807,750,17 32,022547 -103,47 17,600,00 90,00 179,52 12,777,00 4,654,37 -905,32 37,291,24 807,750,17 32,022547 -103,47 17,600,00 90,00 179,52 12,777,00 4,854,37 -905,32 37,291,24 807,755,17 32,022547 -103,47 17,800,00 90,00 179,52 12,777,00 4,854,37 -903,66 372,701,25 807,754,36 32,021997 -103,47 17,800,00 90,00 179,52 12,777,00 -5,062,37 -903,66 372,701,25 807,754,26 32,021703 -103,47 17,800,00 90,00 179,52 12,777,00 -5,062,37 -903,59 372,893,25 807,754,26 32,021703 -103,47 18,000,00 90,00 179,52 12,777,00 -5,154,36 -902,83 372,801,25 807,755,02 32,02148 18,000,00 90,00 179,52 12,777,00 -5,254,36 -902,00 372,501,26 807,755,68 32,021173 -103,47 18,000,00 90,00 179,52 12,777,00 -5,254,36 -902,00 372,501,26 807,755,68 32,021173 -103,47 18,000,00 90,00 179,52 12,777,00 -5,354,36 -901,17 372,401,26 807,755,58 32,021173 -103,47 18,000,00 90,00 179,52 12,777,00 -5,554,34 -901,17 372,401,26 807,755,58 32,021173 -103,47 18,000,00 90,00 179,52 12,777,00 -5,554,35 -899,51 372,201,27 807,757,51 32,020623 103,47 18,300,00 90,00 179,52 12,777,00 -5,554,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -5,654,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -5,654,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -5,654,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -5,654,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -5,654,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -6,654,33 -895,35 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -6,654,33 -895,35 370,001,30 807,761,46 32,019894 -103,47 19,000,00 90,00 179,52 12,777,00 -6,654,31 -896,55 370,001,32		90.00	179.52		-4,254.40			807,747.55		-103.473
17,200,00 90,00 179,52 12,777,00 4,454,39 -908,64 373,301,23 807,749,21 32,023372 -103,47 17,400,00 90,00 179,52 12,777,00 4,654,38 -906,89 373,010,24 807,750,04 32,023927 -103,47 17,600,00 90,00 179,52 12,777,00 4,654,38 -906,18 373,010,124 807,750,87 32,0222547 -103,47 17,600,00 90,00 179,52 12,777,00 4,654,38 -906,18 373,010,124 807,750,170 32,022547 -103,47 17,600,00 90,00 179,52 12,777,00 4,854,37 -905,32 372,901,24 807,751,70 32,022547 -103,47 17,600,00 90,00 179,52 12,777,00 4,854,37 -905,32 372,901,25 807,753,36 32,021997 -103,47 17,800,00 90,00 179,52 12,777,00 4,854,37 -903,66 372,701,25 807,754,26 32,021703 -103,47 17,800,00 90,00 179,52 12,777,00 4,506,237 -903,66 372,701,25 807,754,26 32,021703 -103,47 17,800,00 90,00 179,52 12,777,00 -5,562,37 -903,59 372,893,25 807,754,26 32,021703 -103,47 18,000,00 90,00 179,52 12,777,00 -5,554,36 -902,83 372,801,25 807,755,02 32,021448 18,000,00 90,00 179,52 12,777,00 -5,554,36 -902,00 372,501,26 807,755,68 32,02173 -103,47 18,000,00 90,00 179,52 12,777,00 -5,554,36 -902,00 372,501,26 807,755,68 32,02173 -103,47 18,000,00 90,00 179,52 12,777,00 -5,554,36 -902,00 372,501,26 807,755,68 32,02173 -103,47 18,200,00 90,00 179,52 12,777,00 -5,554,35 -990,34 372,301,27 807,757,51 32,020623 103,47 18,300,00 90,00 179,52 12,777,00 -5,554,35 -990,34 372,301,27 807,757,51 32,020623 103,47 18,300,00 90,00 179,52 12,777,00 -5,554,35 -899,51 372,201,27 807,759,75 13 32,020623 103,47 18,600,00 90,00 179,52 12,777,00 -5,554,35 -899,51 372,201,27 807,759,17 32,020623 103,47 18,600,00 90,00 179,52 12,777,00 -5,554,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -5,654,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -5,654,34 -897,85 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -6,654,33 -895,35 372,001,28 807,760,00 32,019798 -103,47 18,600,00 90,00 179,52 12,777,00 -6,654,33 -895,35 371,001,29 807,761,46 32,019894 -103,47 19,000,00 90,00 179,52 12,777,00 -6,654,31 -896,55 371,001,			179.52					•		-103.473
17.300.00 90.00 179.52 12.777.00 4.554.39 -907.81 373.201.23 807,750.04 32.023097 -103.47 17.600.00 90.00 179.52 12.777.00 4.654.38 -906.98 373.101.24 807,750.87 32.022822 -103.47 17.500.00 90.00 179.52 12.777.00 4.854.37 -905.32 372,901.24 807,752.53 32.022297 -103.47 17.500.00 90.00 179.52 12.777.00 4.854.37 -905.32 372,901.24 807,752.53 32.022297 -103.47 17.500.00 90.00 179.52 12.777.00 4.554.37 -905.32 372,901.25 807,752.53 32.022297 -103.47 17.500.00 90.00 179.52 12.777.00 -5.054.37 -903.66 372,701.25 807,754.19 32.021723 -103.47 17.500.00 90.00 179.52 12.777.00 -5.054.37 -903.66 372,701.25 807,754.26 32.021701 -103.47 17.500.00 90.00 179.52 12.777.00 -5.054.37 -903.69 372,501.25 807,754.26 32.021701 -103.47 18.000.00 90.00 179.52 12.777.00 -5.354.36 -902.00 372,501.26 807,755.85 32.02148 -103.47 18.000.00 90.00 179.52 12.777.00 -5.354.36 -902.00 372,501.26 807,755.85 32.02148 -103.47 18.000.00 90.00 179.52 12.777.00 -5.354.36 -902.00 372,501.26 807,755.85 32.02148 -103.47 18.000.00 90.00 179.52 12.777.00 -5.354.36 -901.17 372,401.26 807,755.86 32.020698 -103.47 18.200.00 90.00 179.52 12.777.00 -5.354.36 -901.17 372,401.26 807,755.86 32.020698 -103.47 18.200.00 90.00 179.52 12.777.00 -5.354.36 -890.34 372,301.27 807,757.51 32.020623 -103.47 18.500.00 90.00 179.52 12.777.00 -5.554.35 -899.86 372,101.27 807,757.51 32.020623 -103.47 18.500.00 90.00 179.52 12.777.00 -5.854.34 -897.85 372,001.28 807,760.00 32.019798 -103.47 18.500.00 90.00 179.52 12.777.00 -5.854.34 -897.85 372,001.28 807,760.00 32.019798 -103.47 18.500.00 90.00 179.52 12.777.00 -5.854.34 -897.85 371,801.28 807,760.68 32.019694 -103.47 18.500.00 90.00 179.52 12.777.00 -6.154.33 -895.35 371,801.28 807,760.33 32.019524 -103.47 18.500.00 90.00 179.52 12.777.00 -6.154.33 -895.35 371,801.28 807,760.83 32.019524 -103.47 18.500.00 90.00 179.52 12.777.00 -6.154.33 -895.35 371,801.28 807,760.83 32.019524 -103.47 18.500.00 90.00 179.52 12.777.00 -6.154.33 -895.35 371,801.29 807,764.49 32.019524 -103.47 18.500.00 90.00 179.52 12.777.00 -6.554.32 -891.21 3	17,200.00	90.00	179.52			-908.64				-103.473
17.400.00 90.00 179.52 12.777.00 -4.654.38 -906.98 373,101.24 807,750.87 32.022822 -103.47 17,500.00 90.00 179.52 12.777.00 -4.854.37 -905.52 372,901.24 807,751.70 32.022547 -103.47 17,600.00 90.00 179.52 12.777.00 -4.954.37 -905.52 372,901.24 807,752.53 32.022272 -103.47 17,600.00 90.00 179.52 12.777.00 -4.954.37 -903.66 372,701.25 807,753.36 32.021997 -103.47 17,800.00 90.00 179.52 12.777.00 -5.062.37 -903.59 372,801.25 807,754.19 32.021723 -103.47 17,800.00 90.00 179.52 12.777.00 -5.062.37 -903.59 372,801.25 807,754.26 32.021701 -103.47 18,000.00 90.00 179.52 12.777.00 -5.254.36 -902.83 372,601.25 807,755.02 32.021448 -103.47 18,000.00 90.00 179.52 12.777.00 -5.254.36 -902.83 372,601.25 807,755.85 32.021713 -103.47 18,000.00 90.00 179.52 12.777.00 -5.254.36 -902.00 372,601.26 807,756.86 32.0220698 -103.47 18,000.00 90.00 179.52 12.777.00 -5.254.36 -902.00 372,601.26 807,756.86 32.0220898 -103.47 18,000.00 90.00 179.52 12.777.00 -5.554.35 -899.51 372,201.27 807,756.51 32.020623 -103.47 18,000.00 90.00 179.52 12.777.00 -5.554.35 -899.51 372,201.27 807,756.34 32.020898 -103.47 18,000.00 90.00 179.52 12.777.00 -5.654.35 -899.51 372,201.27 807,759.51 32.020623 -103.47 18,600.00 90.00 179.52 12.777.00 -5.654.35 -899.51 372,201.27 807,759.51 32.020693 -103.47 18,600.00 90.00 179.52 12.777.00 -5.654.35 -899.51 372,201.27 807,759.17 32.020073 -103.47 18,600.00 90.00 179.52 12.777.00 -5.654.35 -899.51 372,201.27 807,759.17 32.020073 -103.47 18,600.00 90.00 179.52 12.777.00 -5.654.34 -896.09 371,901.28 807,760.00 32.019798 -103.47 18,600.00 90.00 179.52 12.777.00 -6.654.33 -893.65 371,901.28 807,760.06 32.019798 -103.47 18,600.00 90.00 179.52 12.777.00 -6.654.33 -893.56 371,901.29 807,764.15 32.018649 -103.47 19,000.00 90.00 179.52 12.777.00 -6.654.32 -893.67 371,901.29 807,764.98 32.018649 -103.47 19,000.00 90.00 179.52 12.777.00 -6.654.32 -893.67 371,901.29 807,764.98 32.018649 -103.47 19,000.00 90.00 179.52 12.777.00 -6.654.32 -893.67 371,001.31 807,764.19 32.016755 -103.47 19,000.00 90.00 179.52 12.777.00 -6.854.32				•	-		•	· · · · · · · · · · · · · · · · · · ·		-103.473
17,500.00 90.00 179,52 12,777.00 4,754.38 -906.15 373,001.24 807,751.70 32,022647 -103.47 17,600.00 90.00 179,52 12,777.00 4,854.37 -905.32 372,901.24 807,752.33 32.02297 -103.47 17,000.00 90.00 179,52 12,777.00 -5,054.37 -903.66 372,701.25 807,753.36 32.021997 -103.47 17,000.00 90.00 179,52 12,777.00 -5,054.37 -903.66 372,701.25 807,754.19 32.021723 -103.47 17,000.00 90.00 179,52 12,777.00 -5,054.37 -903.66 372,701.25 807,754.19 32.021723 -103.47 17,000.00 90.00 179,52 12,777.00 -5,154.36 -902.83 372,601.25 807,755.02 32.021448 -103.47 18,000.00 90.00 179,52 12,777.00 -5,154.36 -902.83 372,601.25 807,755.02 32.021448 -103.47 18,000.00 90.00 179,52 12,777.00 -5,354.36 -901.17 372,401.26 807,755.02 32.02148 -103.47 18,000.00 90.00 179,52 12,777.00 -5,354.36 -901.17 372,401.26 807,756.68 32.02173 -103.47 18,000.00 90.00 179,52 12,777.00 -5,554.35 -900.34 372,301.27 807,755.51 32.020898 -103.47 18,000.00 90.00 179,52 12,777.00 -5,654.35 -900.34 372,301.27 807,755.51 32.020838 -103.47 18,000.00 90.00 179,52 12,777.00 -5,654.35 -988.68 372,101.27 807,755.13 32.020348 -103.47 18,600.00 90.00 179,52 12,777.00 -5,654.35 -988.68 372,101.27 807,755.17 32.020034 -103.47 18,600.00 90.00 179,52 12,777.00 -5,654.35 -898.68 372,101.27 807,756.00 32.019798 -103.47 18,600.00 90.00 179,52 12,777.00 -5,654.34 -897.85 372,001.28 807,760.83 32.019524 -103.47 18,600.00 90.00 179,52 12,777.00 -5,854.34 -897.85 371,901.28 807,760.83 32.019524 -103.47 18,600.00 90.00 179,52 12,777.00 -5,854.34 -897.85 371,901.28 807,761.66 32.019249 -103.47 18,600.00 90.00 179,52 12,777.00 -5,854.34 -898.59 371,901.28 807,761.66 32.019249 -103.47 18,600.00 90.00 179,52 12,777.00 -6,854.33 -898.59 371,901.28 807,761.66 32.019249 -103.47 19,000.00 90.00 179,52 12,777.00 -6,854.31 -898.59 371,001.29 807,764.15 32.018249 -103.47 19,000.00 90.00 179,52 12,777.00 -6,854.31 -898.59 371,001.31 807,768.81 32.017874 -103.47 19,000.00 90.00 179,52 12,777.00 -6,854.31 -898.59 371,001.31 807,768.81 32.017899 -103.47 19,000.00 90.00 179,52 12,777.00 -6,854.30 -898.8	•			-	•		•			-103.473
17,500.00 90.00 179,52 12,777.00 4,854.37 -905.32 372,901.24 807,752.53 32.02272 -103.47 17,700.00 90.00 179,52 12,777.00 4,954.37 -904.49 372,801.25 807,754.19 32.021723 -103.47 17,808.00 90.00 179,52 12,777.00 5,054.37 -903.56 372,701.25 807,754.26 32.021721 -103.47 17,808.00 90.00 179,52 12,777.00 5,052.37 -903.59 372,693.25 807,754.26 32.021701 -103.47 17,809.00 90.00 179,52 12,777.00 5,154.36 -902.83 372,601.25 807,755.02 32.021448 -103.47 18,000.00 90.00 179,52 12,777.00 5,254.36 902.00 372,501.26 807,755.85 32.021173 -103.47 18,100.00 90.00 179,52 12,777.00 5,254.36 902.00 372,501.26 807,755.85 32.021173 -103.47 18,000.00 90.00 179,52 12,777.00 5,254.36 901.17 372,401.26 807,755.85 32.020898 -103.47 18,000.00 90.00 179,52 12,777.00 5,254.36 901.17 372,401.26 807,755.85 32.020898 -103.47 18,000.00 90.00 179,52 12,777.00 5,554.35 -898.51 372,201.27 807,757.51 32.020623 -103.47 18,000.00 90.00 179,52 12,777.00 5,554.35 -898.51 372,201.27 807,755.34 32.02083 -103.47 18,600.00 90.00 179,52 12,777.00 5,754.34 -897.85 372,201.27 807,759.17 32.020073 -103.47 18,600.00 90.00 179,52 12,777.00 5,754.34 -897.85 372,201.27 807,759.17 32.020073 -103.47 18,600.00 90.00 179,52 12,777.00 5,854.35 -898.68 372,201.27 807,759.03 32.019798 -103.47 18,600.00 90.00 179,52 12,777.00 5,854.34 -897.05 371,901.28 807,760.83 32.019798 -103.47 18,600.00 90.00 179,52 12,777.00 5,854.34 -897.05 371,901.28 807,760.83 32.019594 -103.47 18,600.00 90.00 179,52 12,777.00 5,654.33 -895.36 371,701.29 807,762.49 32.019544 -103.47 18,600.00 90.00 179,52 12,777.00 5,654.33 -895.36 371,701.29 807,762.49 32.018994 -103.47 18,600.00 90.00 179,52 12,777.00 5,654.33 -895.36 371,701.29 807,762.49 32.018994 -103.47 19,000.00 90.00 179,52 12,777.00 6,654.33 -895.36 371,701.29 807,762.49 32.018994 -103.47 19,000.00 90.00 179,52 12,777.00 6,654.32 -892.47 371,001.31 807,762.49 32.018994 -103.47 19,000.00 90.00 179,52 12,777.00 6,654.32 -892.47 371,001.31 807,762.49 32.018999 -103.47 19,000.00 90.00 179,52 12,777.00 6,654.31 -898.55 371,001.31 807,766.64					•					-103.473
17,700.00 90.00 179.52 12,777.00 4,954.37 -904.49 372,801.25 807,753.36 32.021997 -103.47 17,800.00 90.00 179.52 12,777.00 -5,054.37 -803.66 372,701.25 807,754.19 32.021723 -103.47 17,808.00 90.00 179.52 12,777.00 -5,062.37 -803.69 372,701.25 807,754.26 32.01701 -103.47 17,808.00 90.00 179.52 12,777.00 -5,154.36 -902.83 372,601.25 807,755.02 32.021448 -103.47 18,000.00 90.00 179.52 12,777.00 -5,254.36 -902.03 372,601.25 807,755.85 32.021473 -103.47 18,000.00 90.00 179.52 12,777.00 -5,354.36 -902.03 372,501.26 807,755.85 32.021473 -103.47 18,000.00 90.00 179.52 12,777.00 -5,354.36 -901.17 372,401.26 807,756.68 32.020898 -103.47 18,200.00 90.00 179.52 12,777.00 -5,554.35 -890.34 372,301.27 807,757.51 32.020623 -103.47 18,400.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,757.51 32.020623 -103.47 18,400.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,759.17 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,759.17 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,759.17 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,759.17 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.34 -897.05 372,001.28 807,760.83 32,019529 -103.47 18,500.00 90.00 179.52 12,777.00 -5,584.34 -898.69 371,801.28 807,761.66 32.019524 -103.47 18,600.00 90.00 179.52 12,777.00 -6,584.34 -898.69 371,801.28 807,761.66 32.019524 -103.47 18,600.00 90.00 179.52 12,777.00 -6,584.33 -898.53 371,801.28 807,761.66 32.019524 -103.47 19,000.00 90.00 179.52 12,777.00 -6,584.33 -898.53 371,801.28 807,761.66 32.018244 -103.47 19,000.00 90.00 179.52 12,777.00 -6,584.33 -898.53 371,801.28 807,761.66 32.018244 -103.47 19,000.00 90.00 179.52 12,777.00 -6,584.33 -898.53 371,801.28 807,761.66 32.018244 -103.47 19,000.00 90.00 179.52 12,777.00 -6,584.31 -898.52 371,801.31 807,762.49 32.018249 -103.47 19,000.00 90.00 179.52 12,777.00 -6,584.31 -898.68 371,801.31 807,768.83 32.018444 -103.47 19,000.00 90.00 179.52 12,777.00 -6,584.33 -89					-		•	· · · · · · · · · · · · · · · · · · ·		-103.473
17,800.00 90.00 179.52 12,777.00 -5,054.37 -903.66 372,701.25 807,754.19 32.021723 -103.47 17,808.00 90.00 179.52 12,777.00 -5,062.37 -803.59 372,693.25 807,754.26 32.021701 -103.47 17,900.00 90.00 179.52 12,777.00 -5,154.36 -902.83 372,601.25 807,755.02 32.021448 -103.47 18,000.00 90.00 179.52 12,777.00 -5,254.36 -802.00 372,501.26 807,755.85 32.021173 -103.47 18,000.00 90.00 179.52 12,777.00 -5,454.35 -900.34 372,301.27 807,755.85 32.021473 -103.47 18,200.00 90.00 179.52 12,777.00 -5,454.35 -900.34 372,301.27 807,757.51 32.020623 -103.47 18,200.00 90.00 179.52 12,777.00 -5,554.36 -899.51 372,201.27 807,759.17 32.020623 -103.47 18,200.00 90.00 179.52 12,777.00 -5,554.36 -899.51 372,201.27 807,759.17 32.020623 -103.47 18,200.00 90.00 179.52 12,777.00 -5,554.36 -899.86 372,101.27 807,759.17 32.02063 -103.47 18,200.00 90.00 179.52 12,777.00 -5,754.34 -897.65 372,001.28 807,760.00 32.019798 -103.47 18,200.00 90.00 179.52 12,777.00 -5,754.34 -897.02 371,901.28 807,760.00 32.019798 -103.47 18,200.00 90.00 179.52 12,777.00 -5,754.34 -897.02 371,901.28 807,760.03 32.019798 -103.47 18,200.00 90.00 179.52 12,777.00 -6,584.33 -895.30 371,801.28 807,760.83 32.019524 -103.47 18,900.00 90.00 179.52 12,777.00 -6,554.33 -895.36 371,701.29 807,762.49 32.01849 -103.47 18,900.00 90.00 179.52 12,777.00 -6,554.33 -895.36 371,801.29 807,762.49 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,764.98 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,764.98 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,764.98 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,766.81 32.017874 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,766.81 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,766.81 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,764.98 32.018550 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.04 3										-103.473
17,808.00 90.00 179.52 12,777.00 -5,062.37 -903.59 372,693.25 807,754.26 32.021701 -103.47 ** **Cross section** @17808** MhD, 0* FNL, 2300** FEL*** **T1,900.00 90.00 179.52 12,777.00 -5,154.36 -902.00 372,501.26 807,755.02 32.021448 -103.47 ** 18,000.00 90.00 179.52 12,777.00 -5,254.36 -901.17 372,401.26 807,755.85 32.021173 -103.47 ** 18,000.00 90.00 179.52 12,777.00 -5,354.36 -901.17 372,401.26 807,755.68 32.020898 -103.47 ** 18,000.00 90.00 179.52 12,777.00 -5,554.35 -890.34 372,301.27 807,755.81 32.020623 -103.47 ** 18,000.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,758.34 32.020438 -103.47 ** 18,400.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,758.34 32.020623 -103.47 ** 18,500.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,758.34 32.020623 -103.47 ** 18,500.00 90.00 179.52 12,777.00 -5,554.34 897.85 372,001.28 807,760.83 32.019524 -103.47 ** 18,600.00 90.00 179.52 12,777.00 -5,554.34 897.85 372,001.28 807,760.83 32.019524 -103.47 ** 18,600.00 90.00 179.52 12,777.00 -5,554.34 896.19 371,801.28 807,760.83 32.019524 -103.47 ** 18,600.00 90.00 179.52 12,777.00 -6,554.33 895.36 371,601.28 807,760.83 32.018699 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,254.33 893.70 371,501.29 807,763.32 32.018699 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,354.32 892.87 371,501.29 807,763.32 32.018699 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,554.32 892.87 371,501.29 807,763.32 32.018424 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,554.32 892.87 371,501.29 807,763.32 32.018699 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,554.32 892.87 371,501.29 807,768.81 32.017679 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,554.32 892.87 371,501.29 807,768.81 32.017679 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,554.31 888.52 371,001.31 807,768.80 32.017050 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,554.32 892.87 371,501.33 807,768.80 32.017050 -103.47 ** 19,000.00 90.00 179.52 12,777.00 -6,554.31 888.52 370,001.32 807,769.81 32.016255 -103.47 ** 19,000.00 90.00 179.52 12,777				•	-		·	· · · · · · · · · · · · · · · · · · ·		-103.473
Cross section @ 17808* MD, 0* FNL, 2300* FEL 17,900.00 90.00 179.52 12,777.00 -5,154.36 -902.03 372,501.26 807,755.85 32,021448 -103.47 18,000.00 90.00 179.52 12,777.00 -5,254.36 -902.00 372,501.26 807,755.85 32,021173 -103.47 18,000.00 90.00 179.52 12,777.00 -5,454.35 -900.34 372,301.27 807,755.51 32,020623 -103.47 18,300.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,759.17 32,020034 103.47 18,400.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,759.17 32,020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,854.34 -897.02 371,901.28 807,760.00 32,019798 -103.47 18,700.00 90.00 179.52 12,777.00 -5,954.34 -897.02 371,901.28 807,766.08 32,019594 -103.47	17.808.00				-5.062.37		•			-103.473
17,900.00 90.00 179.52 12,777.00 -5,154.36 -902.83 372,601.25 807,755.02 32.021448 -103.47 18,000.00 90.00 179.52 12,777.00 -5,254.36 -901.17 372,401.26 807,755.85 32.021173 -103.47 18,200.00 90.00 179.52 12,777.00 -5,354.36 -901.17 372,401.26 807,755.85 32.02103 -103.47 18,200.00 90.00 179.52 12,777.00 -5,554.35 -900.34 372,301.27 807,755.51 32.020623 -103.47 18,300.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,758.34 32.020348 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,758.34 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.34 -897.85 372,001.28 807,760.00 32.019798 -103.47 18,600.00 90.00 179.52 12,777.00 -5,554.34 -897.02 371,901.28 807,760.00 32.019798 -103.47 18,600.00 90.00 179.52 12,777.00 -5,954.34 -898.61 371,101.29 807,762.49 32.019249 -103.47 18,800.00 90.00 179.52 12,777.00 -6,054.33 -898.56 371,101.29 807,763.32 32.018899 -103.47 18,900.00 90.00 179.52 12,777.00 -6,254.33 -898.56 371,101.29 807,763.32 32.018899 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -898.56 371,101.29 807,763.32 32.018899 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -898.56 371,101.29 807,763.32 32.018424 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -898.50 371,501.29 807,763.32 32.018424 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -892.04 371,301.30 807,763.89 32.018424 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -892.04 371,301.30 807,763.89 32.018424 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.31 -890.38 371,101.31 807,766.64 32.017324 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.31 -890.38 371,101.31 807,765.64 32.017329 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.31 -890.38 371,101.31 807,765.64 32.017329 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.31 -890.38 371,101.31 807,765.64 32.017324 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.31 -890.38 371,101.31 807,765.64 32.017324 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.31 -890.38 371,001.31 807,769.96 32.01625 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.30 -88								,		
18,000.00 90.00 179.52 12,777.00 -5,254.36 -902.00 372,501.26 807,755.85 32.021173 -103.47 18,100.00 90.00 179.52 12,777.00 -5,354.36 -901.17 372,401.26 807,756.68 32.020898 -103.47 18,300.00 90.00 179.52 12,777.00 -5,554.35 -900.34 372,301.27 807,757.51 32.020623 -103.47 18,300.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,758.34 32.020348 -103.47 18,400.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,758.34 32.020348 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,758.34 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.34 -897.85 372,001.28 807,760.00 32.019798 -103.47 18,600.00 90.00 179.52 12,777.00 -5,554.34 -897.02 371,901.28 807,760.83 32.019524 -103.47 18,600.00 90.00 179.52 12,777.00 -6,554.34 -896.19 371,801.28 807,761.66 32.019249 -103.47 18,900.00 90.00 179.52 12,777.00 -6,154.33 -895.36 371,701.29 807,762.49 32.018974 -103.47 18,900.00 90.00 179.52 12,777.00 -6,154.33 -895.35 371,601.29 807,764.15 32.018974 -103.47 19,100.00 90.00 179.52 12,777.00 -6,154.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,100.00 90.00 179.52 12,777.00 -6,454.32 -892.87 371,401.30 807,764.98 32.018424 -103.47 19,200.00 90.00 179.52 12,777.00 -6,454.32 -892.87 371,401.30 807,765.81 32.018424 -103.47 19,200.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,101.31 807,766.64 32.017674 -103.47 19,200.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,101.31 807,766.64 32.017674 -103.47 19,500.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,766.64 32.017650 -103.47 19,500.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,766.64 32.017650 -103.47 19,500.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,766.64 32.017559 -103.47 19,500.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,001.31 807,766.64 32.017559 -103.47 19,500.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,001.31 807,766.64 32.017559 -103.47 19,500.00 90.00 179.52 12,777.00 -7,554.29 -886.50 370,001.32 807,779.99 32.016225 -103.47 19,500.00 90.00 179.52 12,777.00 -7,554.29 -		_	•	•	-5 154 36	-902 83	372 601 25	807 755 02	32 021448	-103 473
18,100.00 90.00 179.52 12,777.00 -5,354.36 -901.17 372,401.26 807,756.68 32.020898 -103.47 18,200.00 90.00 179.52 12,777.00 -5,454.35 -900.34 372,301.27 807,756.51 32.020623 -103.47 18,400.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,758.34 32.020348 -103.47 18,400.00 90.00 179.52 12,777.00 -5,654.35 -898.68 372,101.27 807,759.17 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,654.34 -897.85 372,001.28 807,760.00 32.019798 -103.47 18,600.00 90.00 179.52 12,777.00 -5,554.34 -897.85 372,001.28 807,760.00 32.019798 -103.47 18,600.00 90.00 179.52 12,777.00 -5,554.34 -896.19 371,801.28 807,761.66 32.019249 -103.47 18,800.00 90.00 179.52 12,777.00 -6,054.33 -898.56 371,701.29 807,762.49 32.018699 -103.47 18,900.00 90.00 179.52 12,777.00 -6,154.33 -894.53 371,801.29 807,762.49 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,801.29 807,764.98 32.018974 -103.47 19,000.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018494 -103.47 19,000.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.87 371,401.30 807,764.98 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.87 371,401.30 807,764.98 32.01849 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.32 -892.87 371,401.31 807,766.64 32.017599 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,401.31 807,766.64 32.017599 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,401.31 807,766.94 32.017500 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,401.31 807,769.96 32.016500 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.31 -898.55 371,001.31 807,769.96 32.016500 -103.47 19,000.00 90.00 179.52 12,777.00 -6,554.31 -898.55 371,001.31 807,769.96 32.016500 -103.47 19,000.00 90.00 179.52 12,777.00 -7,054.30 -886.23 370,801.32 807,779.93 32.016225 -103.47 19,000.00 90.00 179.52 12,777.00 -7,054.30 -886.23 370,801.32 807,779.94 32.016505 -103.47 19,000.00 90.00 179.52 12,777.00 -7,554.29 -886					-		•	•		
18,200.00 90.00 179.52 12,777.00 -5,554.35 -900.34 372,301.27 807,755.51 32.020623 -103.47 18,300.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,756.34 32.020348 -103.47 18,400.00 90.00 179.52 12,777.00 -5,554.35 -898.68 372,101.27 807,759.17 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,754.34 -897.02 371,901.28 807,760.00 32.019798 -103.47 18,700.00 90.00 179.52 12,777.00 -5,554.34 -897.02 371,901.28 807,760.83 32.019524 -103.47 18,700.00 90.00 179.52 12,777.00 -5,584.34 -898.19 371,801.28 807,761.66 32.019249 -103.47 18,700.00 90.00 179.52 12,777.00 -6,054.33 -895.66 371,701.28 807,761.66 32.019249 -103.47 18,800.00 90.00 179.52 12,777.00 -6,054.33 -895.66 371,701.29 807,762.49 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,763.32 32.018699 -103.47 19,100.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,200.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,200.00 90.00 179.52 12,777.00 -6,554.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -892.87 371,401.30 807,766.81 32.017874 -103.47 19,400.00 90.00 179.52 12,777.00 -6,554.32 -892.87 371,401.30 807,766.81 32.017874 -103.47 19,400.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.84 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.84 32.017599 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.84 32.017599 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.84 32.017599 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.84 32.017590 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.84 32.017550 -103.47 19,500.00 90.00 179.52 12,777.00 -7,554.29 -885.40 370,501.33 807,770.29 32.016500 -103.47 19,900.00 90.00 179.52 12,777.00 -7,554.29 -885.40 370,501.33 807,773.28 32.015500 -103.47 20,200.00 90.00 179.52 12,777.00 -7,554.29								•		
18,300.00 90.00 179.52 12,777.00 -5,554.35 -899.51 372,201.27 807,758.34 32.020348 -103.47 18,400.00 90.00 179.52 12,777.00 -5,654.35 -898.68 372,101.27 807,759.17 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,554.34 -897.85 372,001.28 807,760.00 32.019798 -103.47 18,600.00 90.00 179.52 12,777.00 -5,954.34 -897.85 372,001.28 807,760.83 32.019524 -103.47 18,600.00 90.00 179.52 12,777.00 -5,954.34 -896.19 371,801.28 807,761.66 32.019249 -103.47 18,600.00 90.00 179.52 12,777.00 -6,054.33 -894.53 371,601.29 807,762.49 32.018699 -103.47 18,900.00 90.00 179.52 12,777.00 -6,154.33 -894.53 371,601.29 807,763.32 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,354.32 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,100.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,200.00 90.00 179.52 12,777.00 -6,554.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,764.98 32.018149 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,101.31 807,766.64 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,101.31 807,766.47 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,101.31 807,766.43 32.017599 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.31 -899.38 371,101.31 807,766.43 32.017590 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.31 -898.55 371,001.31 807,768.30 32.017050 -103.47 19,600.00 90.00 179.52 12,777.00 -6,554.31 -898.55 371,001.31 807,769.47 32.017324 -103.47 19,700.00 90.00 179.52 12,777.00 -6,554.31 -898.55 371,001.31 807,769.47 32.017324 -103.47 19,700.00 90.00 179.52 12,777.00 -6,554.30 -887.60 370,701.32 807,769.96 32.016500 -103.47 19,700.00 90.00 179.52 12,777.00 -7,054.30 -886.23 370,901.32 807,769.96 32.016500 -103.47 19,700.00 90.00 179.52 12,777.00 -7,054.29 -885.40 370,501.33 807,771.62 32.015555 -103.47 19,900.00 90.00 179.52 12,777.00 -7,054.29 -885.40 370,501.33 807,771.62 32.015555 -103.47 19,900.00 90.00 179.52 12,777.00 -7,554.29				•	-					
18,400.00 90.00 179.52 12,777.00 -5,654.35 -898.68 372,101.27 807,759.17 32.020073 -103.47 18,500.00 90.00 179.52 12,777.00 -5,754.34 -897.85 372,001.28 807,760.00 32.019928 -103.47 18,600.00 90.00 179.52 12,777.00 -5,854.34 -897.02 371,901.28 807,760.83 32.019524 -103.47 18,800.00 90.00 179.52 12,777.00 -6,954.34 -896.19 371,801.28 807,761.66 32.019249 -103.47 18,800.00 90.00 179.52 12,777.00 -6,054.33 -895.36 371,701.29 807,762.49 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,763.32 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,200.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,765.81 32					-		•	· · · · · · · · · · · · · · · · · · ·		
18,500.00 90.00 179.52 12,777.00 -5,754.34 -897.85 372,001.28 807,760.00 32.019798 -103.47 18,600.00 90.00 179.52 12,777.00 -5,854.34 -897.02 371,901.28 807,760.83 32.019524 -103.47 18,700.00 90.00 179.52 12,777.00 -5,954.34 -896.19 371,801.28 807,761.66 32.0195249 -103.47 18,800.00 90.00 179.52 12,777.00 -6,054.33 -895.36 371,701.29 807,762.49 32.018699 -103.47 18,900.00 90.00 179.52 12,777.00 -6,154.33 -894.53 371,601.29 807,763.32 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,100.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,200.00 90.00 179.52 12,777.00 -6,454.32 -892.04 371,301.30 807,765.81 32.017874 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,301.30 807,766.64 32.017874 -103.47 19,400.00 90.00 179.52 12,777.00 -6,554.32 -892.04 371,201.31 807,766.64 32.017874 -103.47 19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,766.64 32.017599 -103.47 19,500.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,766.80 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,766.80 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,766.80 32.017500 -103.47 19,600.00 90.00 179.52 12,777.00 -6,654.31 -888.55 371,001.31 807,769.80 32.016500 -103.47 19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.96 32.016500 -103.47 19,600.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,600.00 90.00 179.52 12,777.00 -7,054.30 -887.89 370,801.32 807,770.79 32.016225 -103.47 19,600.00 90.00 179.52 12,777.00 -7,054.29 -885.40 370,501.33 807,771.62 32.015950 -103.47 19,600.00 90.00 179.52 12,777.00 -7,054.29 -885.40 370,501.33 807,771.62 32.015950 -103.47 19,600.00 90.00 179.52 12,777.00 -7,054.29 -885.40 370,501.33 807,773.28 32.015600 -103.47 19,600.00 90.00 179.52 12,777.00 -7,554.29 -885.40 370,501.33 807,773.28 32.015600 -103.47 19,600.00 90.00 179.52 12,777.00 -7,554.29										
18,600.00 90.00 179.52 12,777.00 -5,854.34 -897.02 371,901.28 807,760.83 32.019524 -103.47 18,700.00 90.00 179.52 12,777.00 -6,954.34 -896.19 371,801.28 807,761.66 32.019249 -103.47 18,800.00 90.00 179.52 12,777.00 -6,054.33 -895.36 371,701.29 807,762.49 32.018974 -103.47 19,000.00 90.00 179.52 12,777.00 -6,154.33 -894.53 371,601.29 807,763.32 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,100.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018424 -103.47 19,200.00 90.00 179.52 12,777.00 -6,454.32 -892.04 371,301.30 807,765.81 32.017874 -103.47 19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,765.81 32							•	•		
18,700.00 90.00 179.52 12,777.00 -5,954.34 -896.19 371,801.28 807,761.66 32.019249 -103.47 18,800.00 90.00 179.52 12,777.00 -6,054.33 -895.36 371,701.29 807,762.49 32.018974 -103.47 18,900.00 90.00 179.52 12,777.00 -6,154.33 -893.70 371,501.29 807,763.32 32.018699 -103.47 19,100.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,100.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018429 -103.47 19,200.00 90.00 179.52 12,777.00 -6,454.32 -892.04 371,301.30 807,765.81 32.017874 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.64 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.64 32.017599 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.31 -890.38 371,101.31 807,766.64 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,554.31 -889.53 371,001.31 807,768.30 32.017550 -103.47 19,600.00 90.00 179.52 12,777.00 -6,554.31 -888.72 370,901.32 807,769.93 32.016755 -103.47 19,700.00 90.00 179.52 12,777.00 -6,554.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.89 370,801.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,054.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,771.62 32.015950 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,771.62 32.015950 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,773.28 32.015950 -103.47 19,900.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,301.34 807,774.94 32.014851 -103.47 19,303.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,301.34 807,775.38 32.014704 -103.47 19,303.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,301.34 807,775.38 32.014704 -103.47 19,303.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,301.34 807,775.38 32.014704 -103.47 19,303.16 190.00 179.52 12,777.00 -7,554.28										
18,800.00 90.00 179.52 12,777.00 -6,054.33 -895.36 371,701.29 807,762.49 32.018974 -103.47 18,900.00 90.00 179.52 12,777.00 -6,154.33 -894.53 371,601.29 807,763.32 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,100.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,200.00 90.00 179.52 12,777.00 -6,44.32 -892.04 371,301.30 807,765.81 32.017874 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.64 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,767.47 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,754.31 -889.55 371,001.31 807,768.30 32.017050 -103.47 19,500.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.13 32.016705 -103.47 19,700.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.96 32.016500 -103.47 19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,900.00 90.00 179.52 12,777.00 -7,054.30 -887.89 370,801.32 807,770.99 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,200.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,301.33 807,773.28 32.015675 -103.47 20,200.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,301.33 807,773.28 32.015675 -103.47 20,200.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,301.33 807,773.28 32.015675 -103.47 20,200.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -8				•				•		
18,900.00 90.00 179.52 12,777.00 -6,154.33 -894.53 371,601.29 807,763.32 32.018699 -103.47 19,000.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,100.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,200.00 90.00 179.52 12,777.00 -6,454.32 -892.04 371,301.30 807,765.81 32.017874 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.64 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,767.47 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,854.31 -889.55 371,001.31 807,768.30 32.017050 -103.47 19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.30 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,707.99 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,054.30 -886.23 370,601.33 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,554.30 -886.23 370,601.33 807,771.62 32.015500 -103.47 19,900.00 90.00 179.52 12,777.00 -7,554.29 -885.40 370,501.33 807,772.45 32.015505 -103.47 20,100.00 90.00 179.52 12,777.00 -7,554.29 -885.40 370,501.33 807,772.45 32.015505 -103.47 20,200.00 90.00 179.52 12,777.00 -7,554.29 -884.57 370,401.33 807,774.94 32.014851 -103.47 20,305.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 8										
19,000.00 90.00 179.52 12,777.00 -6,254.33 -893.70 371,501.29 807,764.15 32.018424 -103.47 19,100.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,200.00 90.00 179.52 12,777.00 -6,454.32 -892.04 371,301.30 807,765.81 32.017874 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.64 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,767.47 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,854.31 -889.55 371,001.31 807,768.30 32.017050 -103.47 19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.13 32.016775 -103.47 19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.89 370,801.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,771.62 32.015950 -103.47 20,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,000.00 90.00 179.52 12,777.00 -7,354.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -885.40 370,501.33 807,773.28 32.015400 -103.47 20,200.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,401.33 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,554.28 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -										
19,100.00 90.00 179.52 12,777.00 -6,354.32 -892.87 371,401.30 807,764.98 32.018149 -103.47 19,200.00 90.00 179.52 12,777.00 -6,454.32 -892.04 371,301.30 807,765.81 32.017874 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.64 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,767.47 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,754.31 -889.55 371,001.31 807,768.30 32.017050 -103.47 19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.13 32.016775 -103.47 19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,000.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015675 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -884.57 370,401.33 807,773.28 32.015675 -103.47 20,200.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL					-		•	•		
19,200.00 90.00 179.52 12,777.00 -6,454.32 -892.04 371,301.30 807,765.81 32.017874 -103.47 19,300.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.64 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,767.47 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,754.31 -889.55 371,001.31 807,768.30 32.017050 -103.47 19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.13 32.016775 -103.47 19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 19,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 19,000.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 19,000.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 19,000.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 19,003.31 10,000 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,775.38 32.014704 -103.47 19,003.31 10,000 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10,000 179.	•									
19,300.00 90.00 179.52 12,777.00 -6,554.32 -891.21 371,201.31 807,766.64 32.017599 -103.47 19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,767.47 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,754.31 -889.55 371,001.31 807,768.30 32.017050 -103.47 19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.13 32.016775 -103.47 19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 19,000.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 19,000.00 90.00 179.52 12,777.00 -7,454.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 19,000.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 19,000.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 19,000.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 10										
19,400.00 90.00 179.52 12,777.00 -6,654.31 -890.38 371,101.31 807,767.47 32.017324 -103.47 19,500.00 90.00 179.52 12,777.00 -6,754.31 -889.55 371,001.31 807,768.30 32.017050 -103.47 19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.13 32.016775 -103.47 19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 19,900.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 19,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 19,000.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 19,000.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 19,000.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 19,000.00 90.00 179.52 12,777.00 -7,607.44 -								•		
19,500.00 90.00 179.52 12,777.00 -6,754.31 -889.55 371,001.31 807,768.30 32.017050 -103.47 19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.13 32.016775 -103.47 19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 20,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,100.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL										
19,600.00 90.00 179.52 12,777.00 -6,854.31 -888.72 370,901.32 807,769.13 32.016775 -103.47 19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 20,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,100.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32										
19,700.00 90.00 179.52 12,777.00 -6,954.30 -887.89 370,801.32 807,769.96 32.016500 -103.47 19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 20,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,200.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32										
19,800.00 90.00 179.52 12,777.00 -7,054.30 -887.06 370,701.32 807,770.79 32.016225 -103.47 19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 20,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,100.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL							· ·			
19,900.00 90.00 179.52 12,777.00 -7,154.30 -886.23 370,601.33 807,771.62 32.015950 -103.47 20,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,100.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL										
20,000.00 90.00 179.52 12,777.00 -7,254.29 -885.40 370,501.33 807,772.45 32.015675 -103.47 20,100.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL										
20,100.00 90.00 179.52 12,777.00 -7,354.29 -884.57 370,401.33 807,773.28 32.015400 -103.47 20,200.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL								•		
20,200.00 90.00 179.52 12,777.00 -7,454.29 -883.74 370,301.34 807,774.11 32.015125 -103.47 20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL										
20,300.00 90.00 179.52 12,777.00 -7,554.28 -882.91 370,201.34 807,774.94 32.014851 -103.47 20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL	-									
20,353.16 90.00 179.52 12,777.00 -7,607.44 -882.47 370,148.18 807,775.38 32.014704 -103.47 LTP @ 20353' MD, 2539' FNL, 2300' FEL										
LTP @ 20353' MD, 2539' FNL, 2300' FEL										-103.473
	•				-7,607.44	-882.47	370,148.18	807,775.38	32.014704	-103.473
	LTP @ 20	0353' MD, 253	9' FNL, 2300'	FEL						

Database:

EDM r5000.141_Prod US

Company:

WCDSC Permian NM

Project:

Lea County (NAD83 New Mexico East)

Site: Well: Sec 21-T26S-R34E Cobber 21-28 Fed 13H

Wellbore:

Wellbore #1

Design:

Permit Plan 2

Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

RKB @ 3332.10ft RKB @ 3332.10ft

Grid

Minimum Curvature

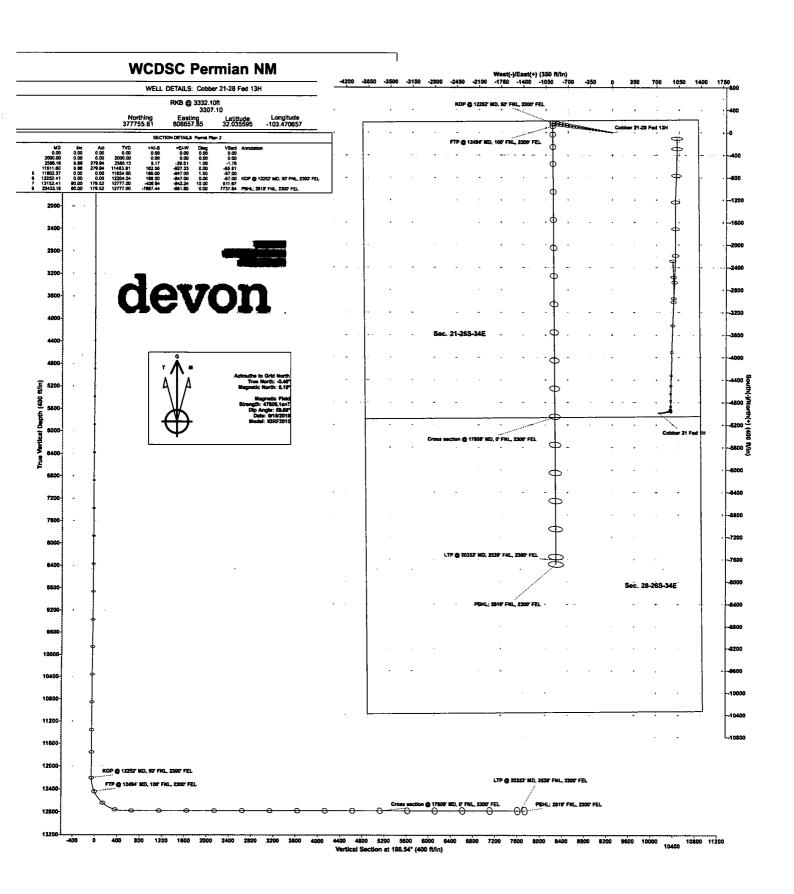
Well Cobber 21-28 Fed 13H

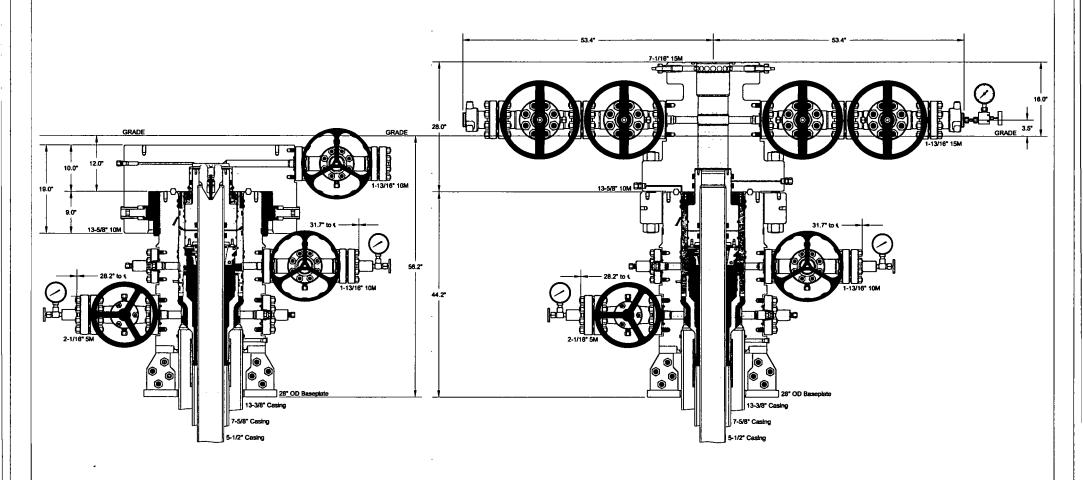
Planned	Survey
---------	--------

Measured			Vertical			Мар	Мар		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
20,433.15	90.00	179.52	12,777.00	-7,687.43	-881.80	370,068.20	807,776.05	32.014485	-103.473700
PBHL; 20	619' FNL, 2300)' FEL							
20,433.16	90.00	179.52	12,777.00	-7,687.44	-881.80	370,068.19	807,776.05	32.014485	-103.473700

Design Targets						٠	-		
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL - Cobber 21-28 Fe - plan misses target - Point		0.00 7.84ft at 0.00	0.00 oft MD (0.00	-7,687.44 TVD, 0.00 N,	-881.80 0.00 E)	370,068.19	807,776.05	32.014485	-103.473700

lan Annotations)					
	Measured	Vertical	Local Coor	dinates		
	Depth	Depth	+N/-S	+E/-W		
	(ft)	(ft)	(ft)	(ft)	Comment	
	12,252.41	12,204.04	166.00	-947.00	KOP @ 12252' MD, 50' FNL, 2300' FEL	
	12,493.56	12,438.13	116.00	-946.58	FTP @ 12494' MD, 100' FNL, 2300' FEL	
	17,808.00	12,777.00	-5,062.37	-903.59	Cross section @ 17808' MD, 0' FNL, 2300' FEL	
	20,353.16	12,777.00	-7,607.44	-882.47	LTP @ 20353' MD, 2539' FNL, 2300' FEL	
	20,433.15	12,777.00	-7,687.43	-881.80	PBHL; 2619' FNL, 2300' FEL	





INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

CACTUS WELLHEAD LLC

13-3/8" x 7-5/8" x 5-1/2" 5M MBU-3T Wellhead System With 7-5/8" Mandrel Hanger, 5-1/2" Emergency Slips And 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head

DEVON ENERGY CORPORATION

DRAWN	DLE	15DEC17
APPRV		
DRAWING NO	ODE000	1902

Devon Energy Annular Preventer Summary

1. Component and Preventer Compatibility Table

The table below, which covers the drilling and casing of the 10M MASP portion of the well, outlines the tubulars and the compatible preventers in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

6-3/4" Production hole section, 10M requirement

Component	OD	Preventer	RWP
Drillpipe	4.5"	Fixed lower 4.5" Upper 4.5-7" VBR	10M
HWDP	4.5"	Fixed lower 4.5" Upper 4.5-7" VBR	10M
Drill collars and MWD tools	4.75"	Upper 4.5-7" VBR	10M
Mud Motor	4.75"	Upper 4.5-7" VBR	10M
Production casing	5.5"	Upper 4.5-7" VBR	10M
ALL	0-13-5/8"	Annular	5M
Open-hole	-	Blind Rams	10M

VBR = Variable Bore Ram. Compatible range listed in chart.

2. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. The pressure at which control is swapped from the annular to another compatible ram is variable, but the operator will document in the submission their operating pressure limit. The operator may chose an operating pressure less than or equal to RWP, but in no case will it exceed the RWP of the annular preventer.

General Procedure While Drilling

- 1. Sound alarm (alert crew)
- 2. Space out drill string
- 3. Shut down pumps (stop pumps and rotary)
- 4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
- 5. Confirm shut-in
- 6. Notify toolpusher/company representative
- 7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
- 8. Regroup and identify forward plan
- 9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram.

Devon Energy Annular Preventer Summary

General Procedure While Tripping

- 1. Sound alarm (alert crew)
- 2. Stab full opening safety valve and close
- 3. Space out drill string
- 4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
- 5. Confirm shut-in
- 6. Notify toolpusher/company representative
- 7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
- 8. Regroup and identify forward plan
- 9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram.

General Procedure While Running Casing

- 1. Sound alarm (alert crew)
- 2. Stab crossover and full opening safety valve and close
- 3. Space out string
- 4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
- 5. Confirm shut-in
- 6. Notify toolpusher/company representative
- 7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
- 8. Regroup and identify forward plan
- 9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to compatible pipe ram.

General Procedure With No Pipe In Hole (Open Hole)

- 1. Sound alarm (alert crew)
- 2. Shut-in with blind rams or BSR. (HCR and choke will already be in the closed position.)
- 3. Confirm shut-in
- 4. Notify toolpusher/company representative
- 5. Read and record the following:
 - a. SICP
 - b. Pit gain
 - c. Time
- 6. Regroup and identify forward plan

Devon Energy Annular Preventer Summary

General Procedures While Pulling BHA thru Stack

- 1. PRIOR to pulling last joint of drillpipe thru the stack.
 - a. Perform flowcheck, if flowing:
 - b. Sound alarm (alert crew)
 - c. Stab full opening safety valve and close
 - d. Space out drill string with tool joint just beneath the upper pipe ram.
 - e. Shut-in using upper pipe ram. (HCR and choke will already be in the closed position.)
 - f. Confirm shut-in
 - g. Notify toolpusher/company representative
 - h. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - i. Regroup and identify forward plan
- 2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. Stab crossover and full opening safety valve and close
 - c. Space out drill string with upset just beneath the compatible pipe ram.
 - d. Shut-in using compatible pipe ram. (HCR and choke will already be in the closed position.)
 - e. Confirm shut-in
 - f. Notify toolpusher/company representative
 - g. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - h. Regroup and identify forward plan
- 3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. If possible to pick up high enough, pull string clear of the stack and follow "Open Hole" scenario.
 - c. If impossible to pick up high enough to pull the string clear of the stack:
 - d. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
 - e. Space out drill string with tooljoint just beneath the upper pipe ram.
 - f. Shut-in using upper pipe ram. (HCR and choke will already be in the closed position.)
 - g. Confirm shut-in
 - h. Notify toolpusher/company representative
 - i. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - j. Regroup and identify forward plan



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



APD ID: 10400039457

Submission Date: 02/22/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: COBBER 21-28 FED

Well Number: 13H

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? NO

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:

Well Name: COBBER 21-28 FED Well Number: 13H

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? NO

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 plt 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: COBBER 21-28 FED Well Number: 13H 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? NO **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? NO **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? NO **Produced Water Disposal (PWD) Location:** PWD surface owner: PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Well Name: COBBER 21-28 FED Well Number: 13H

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

02/13/2020

APD ID: 10400039457 **Submission Date:** 02/22/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: COBBER 21-28 FED Well Number: 13H

Well Type: OIL WELL Well Work Type: Drill



Show Final Text

Bond Information

Federal/Indian APD: FED

BLM Bond number: CO1104

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: