Form 3160-3

FORM APPROVED

June 2015)	Lic				1004-0137 Jary 31, 2018
UNITED STATES DEPARTMENT OF THE IN BUREAU OF LAND MANAG	TERIOR GEMENT	BBS OC	D	5. Lease Serial No. NMLC0063798	
APPLICATION FOR PERMIT TO DR				6. If Indian, Allotee or	Tribe Name
	RE	CEIVED			
a. Type of work: DRILL REE	ENTER	-OFIAED)	7. If Unit or CA Agree	ment, Name and No.
b. Type of Well: Oil Well Gas Well Other	er			8. Lease Name and W	ell No.
c. Type of Completion: Hydraulic Fracturing Sing	gle Zone	Multiple Zone		BLUE KRAIT 23-14	FED.
				32H (316)	705)
				\(\)	/ 1, 7
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP 6/37	₇)		_	9. APJ-Weil No.	5-46833
Ba. Address	b. Phone No	o. (include area code		10 Field and Pool, or	Exploratory 1980
333 West Sheridan Avenue Oklahoma City OK 73102	800)583-38	66		WC-025 G-09-5263	
Location of Well (Report location clearly and in accordance will				11. Sec., T. R. M. of B SEC 23 (T24S / R33	Blk. and Survey or Area
At surface SWSW / 245 FSL / 1040 FWL / LAT 32.19652		/		SEC 231 1243/ R33)E / NIVIP
At proposed prod. zone NENW / 20 FNL / 2317 FWL / LAT	32.224804	/ LONG -103.544	165		
4. Distance in miles and direction from nearest town or post office	: *			12. County or Parish LEA	13. State NM
7/15 1001	16. No of acı	es in lease	17. Spacir	g Unit dedicated to this	s well
location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	2480		320	7	
8 Distance from proposed location*	19. Proposed	Depth	20/BLM/	BIA Bond No. in file	
to nearest well, drilling, completed, applied for, on this lease, ft.	1252 5 feet /	23000 feet	FED: CO	1104	
	1 -7-	nate date work will	start*	23. Estimated duration	1
3556 feet	08/25/2019) \		45 days	
	24. Attach			- 	
The following, completed in accordance with the requirements of Cas applicable))inshore Oil a	and Gas Order No. 1	, and the H	lydraulic Fracturing rul	e per 43 CFR 3162.3-3
. Well plat certified by a registered surveyor.		4. Bond to cover the	e operation	s unless covered by an e	existing bond on file (see
2. A Drilling Plan.	Landa tha	Item 20 above). 5. Operator certific	ntion		
B. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).		6. Such other site sp		mation and/or plans as m	nay be requested by the
		BLM. (Printed/Typed)		Ţ.	Date
25. Signature (Electronic Submission)		(<i>Printea) Typea)</i> ca Deal / Ph: (405)228-8429)1/28/2019
Title Regulatory Compliance Professional					
Approved by (Signature)	Name /	(Printed/Typed)		Ι	Date
(Electronic Submission)		ayton / Ph: (575)2	234-5959	(01/29/2020
Fitle Assistant Field Manager Lands & Minerals	Office CARLS	SBAD			
Application approval does not warrant or certify that the applicant applicant to conduct operations thereon. Conditions of approval, if any, are attached.	holds legal o	r equitable title to th	ose rights	in the subject lease whi	ch would entitle the
Fitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, main of the United States any false, fictitious or fraudulent statements or				urisdiction.	
GCP Rec 01/31/2020				Va.	02/2020
			-0310	anle	7 ~ ·

pproval Date: 01/29/2020

*(Instructions on page 2)

(Continued on page 2)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: Devon Energy Production Company LP

LEASE NO.: | NMLC0063798

LOCATION: Section 23, T.24 S., R.33 E., NMPM

COUNTY: Lea County, New Mexico

WELL NAME & NO.: Blue Krait 23-14 Fed 32H

SURFACE HOLE FOOTAGE: 245'/S & 1040'/W **BOTTOM HOLE FOOTAGE** 20'/N & 2317'/W

WELL NAME & NO.: Blue Krait 23 Fed 38H

SURFACE HOLE FOOTAGE: 200'/S & 1114'/E **BOTTOM HOLE FOOTAGE** 20'/N & 1026'/E

H2S	• Yes	C No	
Potash	© None	○ Secretary	← R-111-P
Cave/Karst Potential	€ Low		← High
Cave/Karst Potential	Critical	·	
Variance	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

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

B. CASING

Primary Casing Design:

1. The 10-3/4 inch surface casing shall be set at approximately 1350 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 7-5/8 inch intermediate casing is:

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above.

Option 2:

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

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.

Operator has proposed to pump down 10-3/4" X 7-5/8" annulus. Operator must run a CBL from TD of the 7-5/8" 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.

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Cement excess is less than 25%, more cement might be required.

Alternate Casing Design:

- 4. The 13-3/8 inch surface casing shall be set at approximately 1350 feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - e. 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.
 - f. 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)
 - g. 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.
 - h. 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.

5. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above.

Option 2:

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

- c. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- d. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.

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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.

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

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

C. PRESSURE CONTROL

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

2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.

Option 2:

- 1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) 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.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

GENERAL REQUIREMENTS

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

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
 - Eddy County
 Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822
 - ✓ Lea CountyCall the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)393-3612
- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 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.

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A. CASING

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

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

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Approval Date: 01/29/2020

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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Approval Date: 01/29/2020



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

Operator Certification Data Report

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: 01/24/2019

Title: Regulatory Compliance Professional

Street Address: 333 West Sheridan Avenue

City: Oklahoma City

State: OK

Zip: 73102

Phone: (405)228-8429

Email address: Rebecca.Deal@dvn.com

Field Representative

Representative Name:

Street Address: 333 W SHERIDAN AVE

City: OKC

State: OK

Zip: 73102

Phone: (405)552-6556

Email address: blake.richardson@dvn.com



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

Application Data Report 01/30/2020

APD ID: 10400038433 **Submission Date:** 01/28/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

Well Type: OIL WELL Well Work Type: Drill



Show Final Text

Section 1 - General

APD ID: 10400038433

Tie to previous NOS?

Submission Date: 01/28/2019

BLM Office: CARLSBAD

User: Rebecca Deal

Title: Regulatory Compliance

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

Federal/Indian APD: FED

Lease Acres: 2480

Surface access agreement in place?

Aliotted?

Reservation:

Agreement in place? NO

Lease number: NMLC0063798

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: BLUE KRAIT 23-14 FED

Well Number: 32H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: WC-025 G-09

Pool Name: WOLFCAMP

S263504N

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

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: BLUE Number: 5

KRAIT 23 FED WELLPAD

Number of Legs: 1

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 nearest well: 1040 FT

Distance to lease line: 245 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat:

BLUE_KRAIT_23_14_FED_32H_C_102_20190124123522.pdf

Well work start Date: 08/25/2019

Duration: 45 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number:

Reference Datum:

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	ease Type	Lease Number	Elevation	MD	dΛT	Will this well produce from this lease?
SHL Leg #1	245	FSL	104 0	FW L	248	33E	23	Aliquot SWS W	32.19652 3	- 103.5482 81	LEA	l	NEW MEXI CO			355 6	0	0	-
KOP Leg #1	65	FSL	184 0	FW L	24S	33E	23	Aliquot SESW	32.19601 3	- 103.5457 74	LEA	l	NEW MEXI CO		NMLC0 063798	- 819 4	117 86	117 50	
PPP Leg #1-1	100	FSL	212 3	FW L	24S	33E	23	Aliquot SESW	32.19610 3	- 103.5447 84	LEA		NEW MEXI CO		NMLC0 063798	- 874 4	124 43	123 00	

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

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	dvr	Will this well produce from this lease?
EXIT Leg #1	100	FNL	231 7	FW L	248	33E	14	Aliquot NENW		- 103.5441 65	LEA	4	NEW MEXI CO	l	NMLC0 063798		229 20	125 25	
BHL Leg #1	20	FNL	231 7	FW L	24S	33E	14	Aliquot NENW		- 103.5441 65	LEA	NEW MEXI CO			NMLC0 063798	1	230 00	125 25	

engen College Service 4 15



APD ID: 10400038433

Well Type: OIL WELL

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

Drilling Plan Data Report

Submission Date: 01/28/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

Well Work Type: Drill



Show Final Text

Section 1 - Geologic Formations

Formation	:		True Vertical	Measured		. :	Producing
ID	Formation Name	Elevation	Depth	Depth	Lithologies	Mineral Resources	Formation
381806	***	3555	Ó	0	OTHER : Surface	NONE	N
381807	RUSTLER	2454	1101	1101	SANDSTONE	NONE	N
381808	TOP SALT	1933	1622	1622	SALT	NONE	N
381816	BASE OF SALT	-1493	5048	5048	LIMESTONE	NONE	N
381810	BELL CANYON	-1712	5267	5267	SANDSTONE	NATURAL GAS, OIL	N
381811	CHERRY CANYON	-2986	6301	6301	SANDSTONE	NATURAL GAS, OIL	N
381803	BRUSHY CANYON	-4616	7931	7931	SANDSTONE	NATURAL GAS, OIL	N
381804	BONE SPRING	-6126	9441	9441	SHALE	NATURAL GAS, OIL	N
381805	BONE SPRING 1ST	-6645	10200	10200	SANDSTONE	NATURAL GAS, OIL	N
381814	BONE SPRING 2ND	-7305	10860	10860	SANDSTONE	NATURAL GAS, OIL	N
381812	BONE SPRING 3RD	-8641	12196	12196	SANDSTONE	NATURAL GAS, OIL	N
381815	WOLFCAMP	-8702	12257	12257	SHALE	NATURAL GAS, OIL	Y
381813	STRAWN	-10245	13800	13800	LIMESTONE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Well Name: BLUE KRAIT 23-14 FED Well Number: 32H

Pressure Rating (PSI): 10M

Rating Depth: 12525

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

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP stack to the choke manifold. See attached for specs for hydrostatic test chart. 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_20190124094056.pdf

BOP Diagram Attachment:

10M BOPE CHK DR CLS RKL 20190124094339.pdf

Pressure Rating (PSI): 5M

Rating Depth: 11965

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

Requesting Variance? YES

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

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

Choke Diagram Attachment:

5M BOPE CK 20190124094439.pdf

BOP Diagram Attachment:

5M BOPE CK 20190124094446.pdf

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

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	14.7 5	10.75	NEW	API	N	0	1350	0	1350			1350	J-55	40.5	ST&C	1.12 5	1.25	BUOY	1.6	BUOY	1.6
2	INTERMED IATE	9.87 5	7.625	NEW	API	N	0	11965	0	11965			11965	P- 110	I -	OTHER - BTC	1.12 5	1.25	BUOY	1.6	BUOY	1.6
3	PRODUCTI ON	6.75	5.5	NEW	API	N	0	23000	0	12525			23000	P- 110	1	OTHER - VAM SG	1.12 5	1.25	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_20190124124004.pdf

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BLUE KRAIT 23-14 FED Well Number: 32H

Casing Attachments

Casing ID: 2 String Type: INTERMEDIATE
Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):
Int_Csg_Ass_20190124094716.pdf

String Type: PRODUCTION

Inspection Document:

Spec Document:

Casing ID: 3

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Prod_Csg_Ass_20190124124039.pdf

Section	4 - Ce	emen	t								
String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead			· .	1 1	1.33			'		

INTERMEDIATE	Lead		1.3	85				
INTERMEDIATE	Tail							
			 				$\theta(x) = x$	

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

String Type	Lead/Tail	Stage Tool Depth	Тор МD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead					1.33					

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 (Ibs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	Hd	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1350	WATER-BASED MUD	8.5	9	:			2		:	
0	1196 5	SALT SATURATED	9	10				2			
1196 5	2300 0	OIL-BASED MUD	10	10.5				12			

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

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 Bottom Hole Pressure: 6839

Anticipated Surface Pressure: 4083.5

Anticipated Bottom Hole Temperature(F): 182

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:

Blue_Krait_23_14_Fed_32H_H2S_Plan_20190124124136.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Blue_Krait_23_14_Fed_32H_DIR_SVY_20190124124405.pdf Blue_Krait_23_14_Fed_32H_Plot_20190124124407.pdf

Other proposed operations facets description:

DIRECTIONAL SURVEY

PLOT

DRILLING PLAN

MULTI-BOWL VERBIAGE

MULTI-BOWL WELLHEAD - 2 VARIATIONS OF 10M

10M ANNULAR VARIANCE DOC & SCHEMATIC

CLOSED LOOP DESIGN PLAN

CO-FLEX HOSE

SPUDDER RIG REQUEST

GCP FORM

SPEC SHEETS - 6

Other proposed operations facets attachment:

7.625_29.70_P110_Flushmax_20180802151741.pdf 5.5_x_20_P110_EC_VAMSG_20180802151740.pdf

Well Name: BLUE KRAIT 23-14 FED Well Number: 32H

8.625_32_P110EC___7.875_SD_20180802151742.pdf

13.375_48__H40_20190124102551.pdf

5_500in_17_00__P110RY_DWC_C_20190124102614.pdf

MB_Verb 10M 20190124102727.pdf

Spudder_Rig_Info_20190124102728.pdf

MB_Wellhd_10M_2_20190124102943.PDF

MB_Wellhd_10M_20190124102944.pdf

Clsd_Loop_20190124102727.pdf

Blue_Krait_23_Fed_WP_5_GCP_20190124102726.pdf

10.750_40.50__J55_USS_20190124102537.PDF

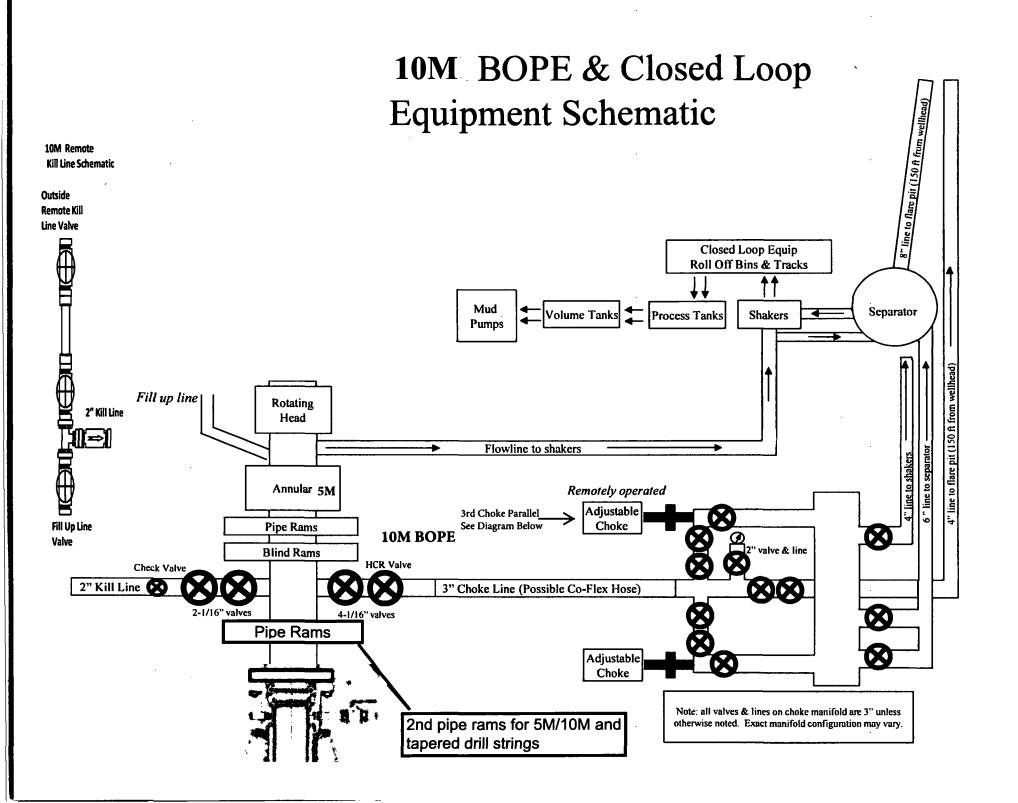
Blue_Krait_23_14_Fed_32H_Drlg_Doc_R3_20200127131105.pdf

Other Variance attachment:

 $10 M_BOPE_CHK_DR_CLS_RKL_20190124102805.pdf$

Annular_Variance___Preventer_Summary_20190124102747.pdf

Co_flex_20190124102748.pdf





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

Hydrogen Sulfide (H₂S) Contingency Plan

For

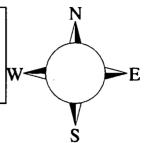
Blue Krait 23-14 Fed 32H

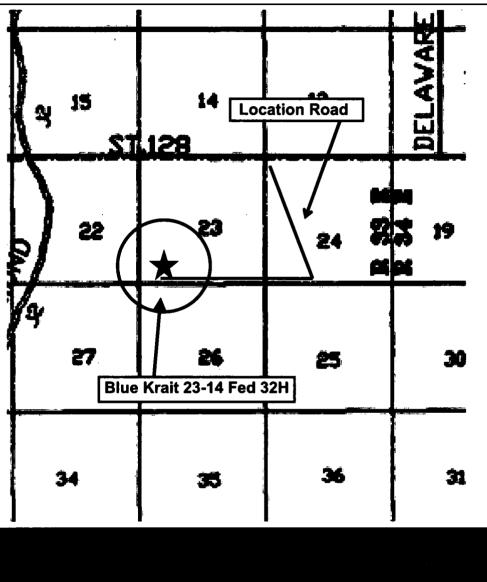
Sec-23 T-24S R-33E 245' FSL & 1040' FWL LAT. = 32.196523' N (NAD83) LONG = 103.548281' W

Lea County NM

Blue Krait 23-14 Fed 32H

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H₂S, including warning signs, wind indicators and H₂S monitor.





Escape

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

Assumed 100 ppm ROE = 3000' 100 ppm 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,
 - 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:

- 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 H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H_2S .

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

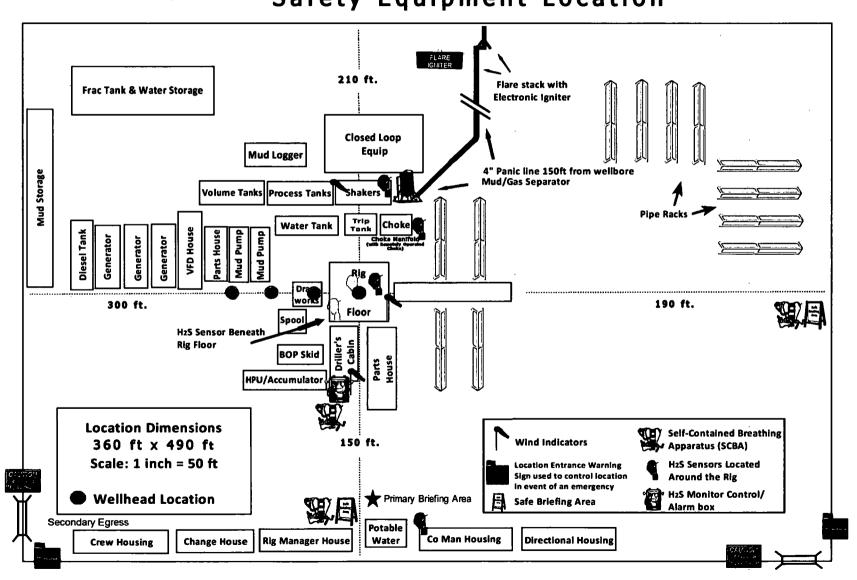
7. Well testing:

- 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.

Daillia a Cu	nanisan Basin Mark Kraman		405 000 4700
Drilling Su	pervisor – Basin – Mark Kramer		405-823-4796
EHS Profe	ssional – Laura Wright		405-439-8129
Agency	Call List		
Lea	Hobbs		· · · · · · · · · · · · · · · · · · ·
County	Lea County Communication Authority	 	393-3981
<u>(575)</u>	State Police		392-5588
	City Police		397-9265
	Sheriff's Office		393-2515
	Ambulance		911
	Fire Department		397-9308
	LEPC (Local Emergency Planning Comr	mittee)	393-2870
	NMOCD		393-6161
	US Bureau of Land Management		393-3612
Eddy	Carlsbad		
County	State Police		885-3137
<u>(575)</u>	City Police		885-2111
	Sheriff's Office		887-7551
	Ambulance		911
	Fire Department		885-3125
	LEPC (Local Emergency Planning Comr	mittee)	887-3798
	US Bureau of Land Management		887-6544
	NM Emergency Response Commission	(Santa Fe)	(505) 476-9600
	24 HR	,	(505) 827-9126
	National Emergency Response Center		(800) 424-8802
	National Pollution Control Center: Direct		(703) 872-6000
	For Oil Spills	<u> </u>	(800) 280-7118
	Emergency Services		(+++/=++++++
	Wild Well Control		(281) 784-4700
	Cudd Pressure Control	(915) 699- 0139	(915) 563-3356
	Halliburton	0139	(575) 746-2757
	B. J. Services		(575) 746-3569
Give	Native Air - Emergency Helicopter - Hol	bbs	(575) 392-6429
GPS	Flight For Life - Lubbock, TX		(806) 743-9911
position:			(806) 747-8923
	Med Flight Air Amb - Albuquerque, NM		(575) 842-4433
	Lifeguard Air Med Svc. Albuquerque, NN	1	(800) 222-1222
	Poison Control (24/7)		(575) 272-3115
	Oil & Gas Pipeline 24 Hour Service		(800) 364-4366
	NOAA – Website - www.nhc.noaa.gov		



Devon Energy - Well Pad Rig Location Layout Safety Equipment Location



WCDSC Permian NM

Lea County (NAD83 New Mexico East) Sec 23-T24S-R33E Blue Krait 23-14 Fed 32H

Wellbore #1

Plan: Permit Plan 1

Standard Planning Report - Geographic

10 January, 2019

Planning Report - Geographic

Database: Company: EDM r5000.141 Prod US

WCDSC Permian NM

Lea County (NAD83 New Mexico East)

Project:

Site:

Sec 23-T24S-R33E

Well:

Wellbore: Design:

Permit Plan 1

Blue Krait 23-14 Fed 32H Wellbore #1

Local Co-ordinate Reference:

Survey Calculation Method:

TVD Reference:

MD Reference:

North Reference:

RKB @ 3580.80ft RKB @ 3580.80ft

Well Blue Krait 23-14 Fed 32H

Grid

Minimum Curvature

Project

Lea County (NAD83 New Mexico East)

Map System: Geo Datum:

Map Zone:

US State Plane 1983

North American Datum 1983

New Mexico Fastern Zone

System Datum:

Mean Sea Level

Site

Sec 23-T24S-R33E

Site Position: From:

Man

Northing: Easting:

783.057.71 usft

446.417.68 usft

Latitude:

Longitude:

32.224862 -103.551658

Position Uncertainty:

0.00 ft Slot Radius:

13-3/16 "

Grid Convergence:

0.42°

Well Position

Well

+N/-S

+E/-W

Blue Krait 23-14 Fed 32H

0.00 ft 0.00 ft Northing: Easting:

436,115.91 usft 784,177.17 usft

6.78

Latitude: Longitude: 32.196523

Position Uncertainty

0.50 ft

IGRF2015

Wellhead Elevation:

12/26/2018

Ground Level:

-103.548281 3,555.80 ft

Wellbore Magnetics Wellbore #1

Model Name Sample Date

Declination (°)

Dip Angle (°)

Field Strength (nT)

47,766.38783355

Design Permit Plan 1

Audit Notes:

Version:

Phase:

PROTOTYPE

Tie On Depth:

0.00

60.02

Vertical Section:

Depth From (TVD) (ft)

0.00

+N/-S (ft) 0.00

+E/-W (ft) 0.00

Direction (°) 6.64

Plan Survey Tool Program

1/10/2019 Date

Depth From (ft)

Depth To (ft)

Survey (Wellbore)

Tool Name

Remarks

1

0.00

90.00

359.57

12,525.00

10,297.64

23,000.25 Permit Plan 1 (Wellbore #1)

MWD+IFR1 OWSG MWD + IFR1

Plan Sections Vertical Bulld Measured Dogleg Turn Depth Inclination **Azimuth** Depth +N/-S +E/-W Rate Rate Rate TFO (°/100usft) (ft) (ft) (ft) (°/100usft) (°/100usft) (ft) (°) (°) (°) Target 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2,500.00 0.00 0.00 2,500.00 0.00 0.00 0.00 0.00 0.00 0.00 3,039.18 5.39 103.04 3,038.39 -5.7224.70 1.00 1.00 0.00 103.04 11,077.44 5.39 103.04 11,041.07 -176.19 760.54 0.00 0.00 0.00 0.00 11,436.89 0.00 0.00 11,400.00 -180.00 777.00 1.50 -1.50 0.00 180.00 11,786.93 0.00 0.00 -180.00 777.00 0.00 0.00 0.00 0.00 11,750.04 -196.27 12,161.86 41.04 97.27 12,093.73 904.60 10.95 10.95 0.00 97.27 13,030.27 90.00 359.57 12,525.00 327.94 1,272.69 10.94 5.64 -11.25 -95.82

23,000.25

1,197.87

0.00

0.00

0.00

0.00 PBHL - Blue Krait 23-

Planning Report - Geographic

Database:

EDM r5000.141_Prod US

WCDSC Permian NM

Company: Project:

Lea County (NAD83 New Mexico East)

Site:

Sec 23-T24S-R33E

Well:

Blue Krait 23-14 Fed 32H

Wellbore: Design:

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

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Well Blue Krait 23-14 Fed 32H

RKB @ 3580.80ft

RKB @ 3580.80ft Grid

Minimum Curvature

P	anned	Survey
		Survey

Planned Survey	<i>'</i>								
Measured			Vertical			Мар	Мар		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
0.00		0.00	0.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
100.00		0.00	100.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
200.00		0.00	200.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
300.00		0.00	300.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
400.00		0.00	400.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
500.00		0.00	500.00	0.00 0.00	0.00 0.00	436,115.91	784,177.17	32.196523	-103.548281
600.00 700.00		0.00 0.00	600.00 700.00	0.00	0.00	436,115.91 436,115.91	784,177.17 784,177.17	32.196523 32.196523	-103.548281 -103.548281
800.00	0.00	0.00	800.00	0.00	0.00	436,115.91	784 177.17	32.196523	-103.548281
900.00		0.00	900.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,000.00	0.00	0.00	1,000.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,100.00	0.00	0.00	1,100.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,200.00	0.00	0.00	1,200.00	0.00	0.00	436,115:91	784,177.17	32.196523	-103.548281
1,300.00		0.00	1,300.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,400.00	0.00	0.00	1,400.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,500.00		0.00	1,500.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,600.00		0.00	1,600.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,700.00		0.00	1,700.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,800.00		0.00	1,800.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
1,900.00	0.00	0.00	1,900.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
2,000.00	0.00	0.00	2,000.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
2,100.00	0.00	0.00	2,100.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
2,200.00	0.00	0.00	2,200.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
2,300.00	0.00	0.00	2,300.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
2,400.00	0.00	0.00	2,400.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
2,500.00	0.00	0.00	2,500.00	0.00	0.00	436,115.91	784,177.17	32.196523	-103.548281
2,600.00		103.04	2,599.99	-0.20	0.85	436,115.71	784,178.02	32.196523	-103.548279
2,700.00		103.04	2,699.96	-0.79	3.40	436,115.12	784,180.57	32.196521	-103.548270
2,800.00		103.04	2,799.86	-1.77	7.65	436,114.14	784,184.82	32.196518	-103.548257
2,900.00		103.04	2,899.68	-3.15	13.60	436,112.76	784,190.76	32.196514	-103.548237
3,000.00	5.00	103.04	2,999.37	-4.92	21.24	436,110.99	784,198.41	32.196509	-103.548213
3,039.18	5.39	103.04	3,038.39	-5.72	24.70	436,110.19	784,201.86	32.196507	-103.548202
3,100.00		103.04	3,098.94	-7.01	30.26	436,108.90	784,207.43	32.196503	-103.548184
3,200.00		103.04 103.04	3,198.49	-9.13	39.42	436,106.78	784,216.59	32.196497	-103.548154 -103.548125
3,300.00 3,400.00	5.39 5.39	103.04	3,298.05 3,397.61	-11.25 -13.37	48.57 57.73	436,104.66 436,102.54	784,225.74 784,234.89	32.196491 32.196485	-103.548095
3,500.00	5.39	103.04	3,497.17	-15.49	66.88	436,100.42	784,244.05	32.196479	-103.548065
3,600.00	5.39	103.04	3,596.72	-17.61	76.04	436,098.30	784,253.20	32.196473	-103.548036
3,700.00		103.04	3,696.28	-19.74	85.19	436,096.17	784,262.36	32.196467	-103.548006
3,800.00		103.04	3,795.84	-21.86	94.34	436.094.05	784,271.51	32.196461	-103.547977
3,900.00	5.39	103.04	3,895.40	-23.98	103.50	436,091.93	784,280.67	32.196455	-103.547947
4,000.00		103.04	3,994.95	-26.10	112.65	436,089.81	784,289.82	32.196449	-103.547918
4,100.00		103.04	4,094.51	-28.22	121.81	436,087.69	784,298.97	32.196443	-103.547888
4,200.00		103.04	4,194.07	-30.34	130.96	436,085.57	784,308.13	32.196437	-103.547859
4,300.00		103.04	4,293.63	-32.46	140.11	436,083.45	784,317.28	32.196431	-103.547829
4,400.00	5.39	103.04	4,393.18	-34.58	149.27	436,081.33	784,326.44	32.196425	-103.547800
4,500.00	5.39	103.04	4,492.74	-36.70	158.42	436,079.21	784,335.59	32.196419	-103.547770
4,600.00	5.39	103.04	4,592.30	-38.82	167.58	436,077.09	784,344.74	32.196413	-103.547740
4,700.00	5.39	103.04	4,691.86	-40.94	176.73	436,074.97	784,353.90	32.196407	-103.547711
4,800.00	5.39	103.04	4,791.41	-43.06	185.89	436,072.85	784,363.05	32.196401	-103.547681
4,900.00	5.39	103.04	4,890.97	-45.18	195.04	436,070.73	784,372.21	32.196395	-103.547652
5,000.00	5.39	103.04	4,990.53	-47.30	204.19	436,068.61	784,381.36	32.196389	-103.547622
5,100.00		103.04	5,090.09	-49.42	213.35	436,066.49	784,390.52	32.196383	-103.547593
5,200.00		103.04	5,189.64	-51.55	222.50	436,064.36	784,399.67	32.196377	-103.547563
5,300.00	5.39	103.04	5,289.20	-53.67	231.66	436,062.24	784,408.82	32.196371	-103.547534

Database:

EDM r5000.141 Prod US WCDSC Permian NM

Company:

Project:

Lea County (NAD83 New Mexico East)

Site:

Well: Wellbore: Blue Krait 23-14 Fed 32H Welibore #1

Sec 23-T24S-R33E

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference: Survey Calculation Method: Well Blue Krait 23-14 Fed 32H

RKB @ 3580.80ft

RKB @ 3580.80ft Grid

Minimum Curvature

esign:	Perm	it Plan 1							
lanned Survey		•		*		•			
Measured Depth (ft)	inclination	Azimuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,400.00	5.39	103.04	5,388.76	-55.79	240.81	436,060.12	784,417.98	32.196365	-103.5475
5,500.00	5.39	103.04	5,488.32	-57.91	249.97	436,058.00	784,427.13	32.196359	-103.5474
5,600.00	5.39	103.04	5,587.87	-60.03	259.12	436,055.88	784,436.29	32.196353	-103.5474
5,700.00	5.39	103.04	5,687.43	-62.15	268.27	436,053.76	784,445.44	32.196347	-103.5474
5,800.00	5.39	103.04	5,786.99	-64.27	277.43	436,051.64	784,454.59	32.196341	-103.5473
5,900.00	5.39	103.04	5,886.55	-66.39	286.58	436,049.52	784,463.75	32.196335	-103.5473
6,000.00	5.39	103.04	5,986.10	-68.51	295.74	436,047.40	784,472.90	32.196329	-103.5473
6,100.00	5.39	103.04	6,085.66	-70.63	304.89	436,045.28	784,482.06	32.196323	-103.5472
6,200.00	5.39	103.04	6,185.22	-72.75	314.04	436,043.16	784,491.21	32.196317	-103.5472
6,300.00	5.39	103.04	6,284.78	-74.87	323.20	436,041.04	784,500.37	32.196311	-103.5472
6,400.00	5.39	103.04	6,384.33	-76.99	332.35	436,038.92	784,509.52	32.196305	-103.5472
6,500.00	5.39	103.04	6,483.89	-79.11	341.51	436,036.80	784,518.67	32.196299	-103.5471
6,600.00	5.39	103.04	6,583.45	-81.23	350.66	436,034.68	784,527.83	32:196293	-103.547
6,700.00	5.39	103.04	6,683.01	-83.36	359.82	436,032.55	784,536.98	32.196287	-103.547
6,800.00	5.39	103.04	6,782.56	-85.48	368.97	436,030.43	784,546.14	32.196281	-103.5470
6,900.00	5.39	103.04	6,882.12	-87.60	378.12	436,028.31	784,555.29	32.196275	-103.547
7,000.00	5.39	103.04	6,981.68	-89.72	387.28	436,026.19	784,564.45	32.196269	-103.547
7,100.00	5.39	103.04	7,081.24	-91.84	396.43	436,024.07	784,573.60	32.196263	-103.547
7,200.00	5.39	103.04	7,180.79	-93.96	405.59	436,021.95	784,582.75	32.196257	-103.546
7,200.00	5.39	103.04	7,180.75	-96.08	414.74	436,019.83	784,591.91	32.196251	-103.546
7,400.00	5.39	103.04	7,200.33	-98.20	423.90	436,017.71	784,601.06	32.196245	-103.546
7,500.00	5.39	103.04	7,479.47	-100.32	433.05	436,015.59	784,610.22	32.196239	-103.546
7,600.00	5.39	103.04	7,579.02	-100.32	442.20	436,013.47	784,619.37	32.196233	-103.546
7,700.00	5.39	103.04	7,678.58	-102.44	451.36	436,011.35	784,628.52	32.196227	-103.546
7,800.00	5.39	103.04	7,778.14	-104.56	460.51	436,009.23	784,637.68	32.196221	-103.546
7,900.00	5.39	103.04	7,877.70	-108.80	469.67	436,007.11	784,646.83	32.196215	-103.546
8,000.00	5.39	103.04	7,977.25	-110.92	478.82	436,004.99	784,655.99	32.196209	-103.546
8,100.00	5.39	103.04	8,076.81	-113.04	487.97	436,002.87	784,665.14	32.196203	-103.546
8,200.00	5.39	103.04	8,176.37	-115.16	497.13	436,000.74	784,674.30	32.196197	-103.546
	5.39	103.04			506.28	435,998.62	784,683.45	32.196191	-103.546
8,300.00			8,275.93	-117.29		· · · · · · · · · · · · · · · · · · ·	•		
8,400.00	5.39	103.04	8,375.49	-119.41	515.44	435,996.50	784,692.60	32.196185	-103.546
8,500.00	5.39	103.04	8,475.04	-121.53 422.65	524.59 522.75	435,994.38	784,701.76	32.196179	-103.546
8,600.00	5.39	103.04 103.04	8,574.60 8,674.16	-123.65	533.75 542.90	435,992.26 435,990.14	784,710.91 784,720.07	32.196172 32.196166	-103.546 -103.546
8,700.00	5.39 5.39	103.04	8,674.16 9,773.73	-125.77		435,988.02	784,729.22		-103.546
8,800.00 8,900.00	5.39	103.04	8,773.72 8,873.27	-127.89 -130.01	552.05 561.21	435,985.90	784,738.37	32.196160 32.196154	-103.546
9,000.00	5.39	103.04	8,972.83	-130.01	570.36	435,983.78	784,747.53	32.196148	-103.546
9,100.00	5.39	103.04	9,072.39	-134.25	579.52	435,981.66	784,756.68	32.196142	-103.546
	5.39	103.04	9,171.95	-134.25	588.67	435,979.54	784,765.84	32.196136	-103.546
9,200.00 9,300.00	5.39	103.04	9,171.95	-136.37 -138.49	597.83	435,979.54 435,977.42	784,774.99	32.196130	-103.546
9,400.00	5.39	103.04	9,271.50	-136.49 -140.61	606.98	435,975.30	784,774.99 784,784.15	32.196124	-103.546
9,500.00	5.39	103.04	9,470.62	-142.73	616.13	435,973.18	784,793.30	32.196118	-103.546
9,600.00	5.39	103.04	9,570.18	-144.85	625.29	435,971.06	784,802.45	32.196112	-103.546
9,700.00	5.39	103.04	9,669.73	-146.97	634.44	435,968.94	784,811.61	32.196106	-103.546
						·			
9,800.00	5.39	103.04	9,769.29	-149.10 151.22	643.60 652.75	435,966.81	784,820.76	32.196100	-103.546
9,900.00	5.39	103.04	9,868.85	-151.22 452.24	652.75	435,964.69	784,829.92	32.196094	-103.546
10,000.00	5.39	103.04	9,968.41	-153.34	661.90	435,962.57	784,839.07	32.196088	-103.546
10,100.00	5.39	103.04	10,067.96	-155.46	671.06	435,960.45	784,848.22	32.196082	-103.546
10,200.00	5.39	103.04	10,167.52	-157.58	680.21	435,958.33	784,857.38	32.196076	-103.546
10,300.00	5.39	103.04	10,267.08	-159.70	689.37	435,956.21	784,866.53	32.196070	-103.546
10,400.00	5.39	103.04	10,366.64	-161.82	698.52	435,954.09	784,875.69	32.196064	-103.546
10,500.00	5.39	103.04	10,466.19	-163.94	707.68	435,951.97	784,884.84	32.196058	-103.545
10,600.00	5.39	103.04	10,565.75	-166.06	716.83	435,949.85	784,894.00	32.196052	-103.5459
10,700.00	5.39	103.04	10,665.31	-168.18	725.98	435,947.73	784,903.15	32.196046	-103.5459
10,800.00	5.39	103.04	10,764.87	-170.30	735.14	435,945.61	784,912.30	32.196040	-103.5459

Database: Company: EDM r5000.141_Prod US

WCDSC Permian NM

Project:

Lea County (NAD83 New Mexico East)

Site:

Sec 23-T24S-R33E

Well:

Blue Krait 23-14 Fed 32H

Wellbore: Design:

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

TVD Reference:

MD Reference:

RKB @ 3580.80ft

RKB @ 3580.80ft

Well Blue Krait 23-14 Fed 32H

North Reference:

Survey Calculation Method:

Grid

Minimum Curvature

fleasured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,900.00	5.39	103.04	10,864.42	-172.42	744.29	435,943.49	784,921.46	32.196034	-103.54
11,000.00	5.39	103.04	10,963.98	-174.54	753.45	435,941.37	784,930.61	32.196028	-103.54
11,077.44	5.39	103.04	11,041.07	-176.19	760.54	435,939.72	784,937.70	32.196024	-103.54
11,100.00	5.05	103.04	11,063.54	-176.65	762.54	435,939.26	784,939.70	32.196022	-103.54
11,200.00	3.55	103.04	11,163.26	-178.34	769.85	435,937.57	784,947.01	32.196017	-103.5
11,300.00	2.05	103.04	11,263.14	-179.45	774.61	435,936.46	784,951.78	32.196014	-103.5
11,400.00	0.55	103.04	11,363.11	-179.45	776.83	435,935.95	784,953.99	32.196013	-103.5
11,436.89	0.00	0.00	11,400.00	-180.00	777.00	435,935.91	784,954.17	32.196013	-103.5
	0.00	0.00		-180.00	777.00	435,935.91	•	32.196013	-103.5
11,500.00			11,463.11				784,954.17		
11,600.00	0.00	0.00	11,563.11	-180.00	777.00	435,935.91	784,954.17	32.196013	-103.54
11,700.00	0.00	0.00	11,663.11	-180.00	777.00	435,935.91	784,954.17	32.196013	-103.54
11,786.93	0.00	0.00	11,750.04	-180.00	. 777.00	435,935.91	784,954.17	32.196013	-103.54
	1786' MD, 65'				777.40		701.051.00		
11,800.00	1.43	97.27	11,763.11	-180.02	777.16	435,935.89	784,954.33	32.196013	-103.5
11,900.00	12.38	97.27	11,862.23	-181.54	789.07	435,934.37	784,966.23	32.196008	-103.5
12,000.00	23.32	97.27	11,957.27	-185.41	819.42	435,930.50	784,996.59	32.195997	-103.54
12,100.00	34.27	97.27	12,044.78	-191.49	867.13	435,924.42	785,044.30	32.195979	-103.5
12,161.86	41.04	97.27	12,093.73	-196.27	904.60	435,919.64	785,081.76	32.195965	-103.5
12,200.00	40.79	90.90	12,122.56	-198.05	929.48	435,917.86	785,106.65	32.195960	-103.5
12,300.00	41.79	74.35	12,197.92	-189.56	994.43	435,926.35	785,171.59	32.195982	-103.5
12,400.00	45.02	59.10	12,270.76	-162.32	1,057.06	435,953.59	785,234.22	32.196056	-103.5
12,443.18	47.00	53.13	12,300.76	-145.00	1,082.81	435,970.91	785,259.97	32.196103	-103.5
FTP @ 1	2443' MD, 100	' FSL, 2123' I							
12,500.00	50.03	45.88	12,338.43	-117.35	1,115.09	435,998.56	785,292.26	32.196178	-103.5
12,600.00	56.32	34.67	12,398.46	-56.27	1,166.42	436,059.64	785,343.58	32.196345	-103.5
12,700.00	63.47	25.08	12,448.68	18.70	1,209.17	436,134.61	785,386.34	32.196550	-103.5
12,800.00	71.19	16.66	12,487.25	104.82	1,241.80	436,220.73	785,418.97	32.196786	-103.54
12,900.00	79.25	8.99	12,512.78	198.97	1,263.11	436,314.88	785,440.28	32.197045	-103.54
13,000.00	87.49	1.74	12,524.32	297.72	1,272.33	436,413.63	785,449.50	32.197316	-103.54
13,030.27	90.00	359.57	12,525.00	327.94	1,272.69	436,443.85	785,449.86	32.197399	-103.5
13,100.00	90.00	359.57	12,525.00	397.67	1,272.17	436,513.57	785,449.33	32.197591	-103.5
13,200.00	90.00	359.57	12,525.00	497.66	1,271.42	436,613.57	785,448.58	32.197865	-103.5
13,300.00	90.00	359.57	12,525.00	597.66	1,270.67	436,713.57	785,447.83	32.198140	-103.54
13,400.00	90.00	359.57	12,525.00	697.66	1,269.92	436,813.56	785,447.08	32.198415	-103.54
13,500.00	90.00	359.57	12,525.00	797.65	1,269.16	436,913.56	785,446.33	32.198690	-103.54
13,600.00	90.00	359.57	12,525.00	897.65	1,268.41	437,013.56	785,445.58	32.198965	-103.54
13,700.00	90.00	359.57	12,525.00	997.65	1,267.66	437,113.56	785,444.83	32.199240	-103.54
13,800.00	90.00	359.57	12,525.00	1,097.65	1,266.91	437,213.55	785,444.08	32.199515	-103.54
13,900.00	90.00	359.57	12,525.00	1,197.64	1,266.16	437,313.55	785,443.33	32.199790	-103.54
14,000.00	90.00	359.57	12,525.00	1,297.64	1,265.41	437,413.55	785,442.58	32.200064	-103.54
14,100.00	90.00	359.57	12,525.00	1,397.64	1,264.66	437,513.54	785,441.83	32.200339	-103.54
14,200.00	90.00	359.57	12,525.00	1,497.63	1,263.91	437,613.54	785,441.08	32.200614	-103.5
14,300.00	90.00	359.57	12,525.00	1,597.63	1,263.16	437,713.54	785,440.33	32.200889	-103.54
14,400.00	90.00	359.57	12,525.00	1,697.63	1,262.41	437,813.53	785,439.58	32.201164	-103.5
14,500.00	90.00	359.57	12,525.00	1,797.63	1,261.66	437,913.53	785,438.82	32.201439	-103.5
14,600.00	90.00	359.57	12,525.00	1,897.62	1,260.91	438,013.53	785,438.07	32.201714	-103.5
14,700.00	90.00	359.57	12,525.00	1,997.62	1,260.16	438,113.53	785,437.32	32.201988	-103.54
14,800.00	90.00	359.57 359.57	12,525.00	2,097.62	1,259.41	438,213.52	785,437.32 785,436.57	32.201966	-103.54
14,900.00	90.00	359.57	12,525.00	2,197.61	1,258.66	438,313.52	785,435.82	32.202538	-103.54
15,000.00	90.00	359.57	12,525.00	2,297.61	1,257.91	438,413.52	785,435.07	32.202813	-103.54
15,100.00	90.00	359.57	12,525.00	2,397.61	1,257.16	438,513.51	785,434.32	32.203088	-103.54
15,200.00	90.00	359.57	12,525.00	2,497.61	1,256.41	438,613.51	785,433.57	32.203363	-103.54
15,300.00	90.00	359.57	12,525.00	2,597.60	1,255.66	438,713.51	785,432.82	32.203638	-103.54
15,400.00	90.00	359.57	12,525.00	2,697.60	1,254.91	438,813.50	785,432.07	32.203913	-103.54

Database: Company: EDM r5000.141_Prod US

WCDSC Permian NM

Project:

Lea County (NAD83 New Mexico East)

Site:

Sec 23-T24S-R33E

Well: Wellbore: Blue Krait 23-14 Fed 32H

Welibore: Design: Wellbore #1 Permit Plan 1 Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Well Blue Krait 23-14 Fed 32H

RKB @ 3580.80ft

RKB @ 3580.80ft Grid

Minimum Curvature

15,900.00 90.00 396.57 12,525.00 3,975.00 12,51.15 439,131.49 755,427.57 32,205562 103,544161 16,100.00 90.00 396.57 12,525.00 3,975.00 12,541.61 439,131.49 755,427.57 32,205562 103,544161 16,200.00 90.00 356.57 12,525.00 3,975.00 12,641.61 439,131.40 755,426.82 32,2056837 103,544161 16,300.00 90.00 356.57 12,525.00 3,975.00 12,641.61 439,131.40 755,426.52 32,206388 103,544161 16,500.00 90.00 356.57 12,525.00 3,975.00 12,641.61 439,131.47 755,426.52 32,206388 103,544161 16,500.00 90.00 356.57 12,525.00 3,975.00 12,641.61 439,131.47 755,426.52 32,206388 103,544161 16,500.00 90.00 356.57 12,525.00 3,975.00 12,641.61 439,131.47 755,426.52 32,206388 103,544161 16,500.00 90.00 356.57 12,525.00 3,975.00 12,641.61 440,131.47 755,426.52 32,206388 103,544161 16,500.00 90.00 356.57 12,525.00 3,975.00 12,641.61 16,500.00 90.00 356.57 12,525.00 3,975.61 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.60 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.60 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.60 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.60 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.60 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 16,500.00 90.00 356.57 12,525.00 4,975.65 12,641.61 12,341.61 14,01	Planned Survey	1	•			•			•	į
15,500,00 90,00 39,97 12,525,00 2,997,99 12,525,60 349,013,50 755,429,62 32,204622 -103,544161 15,500,00 90,00 39,97 12,525,00 3,197,99 12,511,50 439,113,80 755,428,62 32,205912 -103,544161 16,000,00 90,00 39,97 12,525,00 3,197,99 12,511,50 439,113,80 755,428,62 32,2059627 -103,544161 16,100,00 90,00 39,97 12,525,00 3,297,88 12,511,50 439,113,80 755,428,62 32,205962 -103,544161 16,200,00 90,00 39,97 12,525,00 3,397,88 12,89,90 439,113,80 755,428,62 32,205962 -103,544161 16,300,00 90,00 39,97 12,525,00 3,597,88 12,89,90 439,113,80 755,428,52 32,205962 -103,544161 16,500,00 90,00 39,97 12,525,00 3,597,88 12,89,90 439,113,80 755,428,52 32,205966 -103,544161 16,500,00 90,00 39,97 12,525,00 3,797,57 1,247,40 439,813,47 755,428,52 32,205966 -103,544161 16,500,00 90,00 39,97 12,525,00 3,997,58 1,248,50 404,013,47 755,420,63 32,207211 -103,544161 16,500,00 90,00 39,97 12,525,00 3,997,58 1,244,50 404,013,47 755,420,63 32,20746 -103,544161 16,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,47 755,420,63 32,20746 -103,544161 16,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,47 755,420,63 32,20746 -103,544162 17,000,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,420,63 32,206969 -103,544162 17,000,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,420,63 32,206960 -103,544162 17,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,410,53 32,206960 -103,544162 17,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,410,53 32,206960 -103,544162 17,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,410,53 32,206960 -103,544162 17,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,410,53 32,21069	Depth			Depth			Northing	Easting	Latitude	Longitude
15,500,00 90,00 39,97 12,525,00 2,997,99 12,525,60 349,013,50 755,429,62 32,204622 -103,544161 15,500,00 90,00 39,97 12,525,00 3,197,99 12,511,50 439,113,80 755,428,62 32,205912 -103,544161 16,000,00 90,00 39,97 12,525,00 3,197,99 12,511,50 439,113,80 755,428,62 32,2059627 -103,544161 16,100,00 90,00 39,97 12,525,00 3,297,88 12,511,50 439,113,80 755,428,62 32,205962 -103,544161 16,200,00 90,00 39,97 12,525,00 3,397,88 12,89,90 439,113,80 755,428,62 32,205962 -103,544161 16,300,00 90,00 39,97 12,525,00 3,597,88 12,89,90 439,113,80 755,428,52 32,205962 -103,544161 16,500,00 90,00 39,97 12,525,00 3,597,88 12,89,90 439,113,80 755,428,52 32,205966 -103,544161 16,500,00 90,00 39,97 12,525,00 3,797,57 1,247,40 439,813,47 755,428,52 32,205966 -103,544161 16,500,00 90,00 39,97 12,525,00 3,997,58 1,248,50 404,013,47 755,420,63 32,207211 -103,544161 16,500,00 90,00 39,97 12,525,00 3,997,58 1,244,50 404,013,47 755,420,63 32,20746 -103,544161 16,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,47 755,420,63 32,20746 -103,544161 16,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,47 755,420,63 32,20746 -103,544162 17,000,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,420,63 32,206969 -103,544162 17,000,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,420,63 32,206960 -103,544162 17,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,410,53 32,206960 -103,544162 17,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,410,53 32,206960 -103,544162 17,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,410,53 32,206960 -103,544162 17,500,00 90,00 39,97 12,525,00 4,197,56 12,441,54 404,013,45 755,410,53 32,21069	15,500.00	90.00	359.57	12,525.00	2,797.60	1,254.16	438,913.50	785,431.32	32.204187	-103.544161
15,800 00 90.00 396.57 12,525.00 3,975.79 12,519.00 439,213.49 785,426.07 32,205027 -103,544161 16,000 00 90.00 396.57 12,525.00 3,975.89 12,519.00 439,613.49 785,427.57 32,205562 -103,544161 16,200 00 90.00 396.57 12,525.00 3,975.88 1,248.69 439,613.48 785,426.07 32,205637 -103,544161 16,200 00 90.00 396.57 12,525.00 3,975.88 1,248.69 439,613.48 785,426.07 32,205637 -103,544161 16,400.00 90.00 396.57 12,525.00 3,975.88 1,248.69 439,613.48 785,426.07 32,205638 -103,544161 16,500.00 90.00 396.57 12,525.00 3,975.78 1,247.40 439,813.47 785,424.57 32,2056661 -103,544161 16,500.00 90.00 396.57 12,525.00 3,975.78 1,247.40 439,813.47 785,425.00 32,207638 -103,544161 16,500.00 90.00 396.57 12,525.00 3,975.78 1,247.40 439,813.47 785,424.57 32,2056661 -103,544161 16,500.00 90.00 396.57 12,525.00 3,975.75 1,245.89 440,013.47 785,423.00 32,207486 -103,544161 16,500.00 90.00 396.57 12,525.00 3,975.76 1,245.89 440,013.47 785,423.00 32,207486 -103,544161 16,500.00 90.00 359.57 12,525.00 4,975.66 1,245.15 440,013.47 785,422.00 32,207486 -103,544161 16,500.00 90.00 359.57 12,525.00 4,1975.66 1,245.15 440,013.47 785,422.00 32,207486 -103,544161 16,500.00 90.00 359.57 12,525.00 4,1975.66 1,243.65 440,013.46 785,420.00 32,200338 -103,544162 17,000.00 90.00 359.57 12,525.00 4,1975.66 1,243.65 440,013.46 785,420.00 32,200338 -103,544162 17,000.00 90.00 359.57 12,525.00 4,1975.66 1,242.15 440,013.45 785,410.65 22,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,1975.66 1,242.15 440,013.45 785,416.56 32,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,1975.65 1,241.60 440,013.45 785,417.06 32,209410 -103,544162 17,500.00 90.00 359.57 12,525.00 4,1975.66 1,242.15 440,013.45 785,414.55 2,2209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,1975.65 1,241.65 440,013.45 785,414.55 2,2209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,1975.65 1,241.65 440,013.45 785,414.55 2,2209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,1975.65 1,241.65 440,013.45 785,414.55 2,2209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,19		90.00	359.57				439,013.50	785,430.57		
15,800.00 90.00 359.57 12,525.00 3,877.59 1,251.90 439,273.49 785,426.97 32,205012 -103,544161 16,000.00 90.00 359.57 12,525.00 3,877.58 1,265.04 439,473.49 785,427.57 32,205582 -103,544161 16,200.00 90.00 359.57 12,525.00 3,877.58 1,248.69 439,673.48 785,426.07 32,205837 -103,544161 16,200.00 90.00 359.57 12,525.00 3,877.58 1,248.69 439,673.48 785,426.07 32,205837 -103,544161 16,400.00 90.00 359.57 12,525.00 3,877.57 1,247.40 439,673.48 785,426.07 32,205838 -103,544161 16,500.00 90.00 359.57 12,525.00 3,877.57 1,247.40 439,673.47 785,426.57 32,205838 -103,544161 16,500.00 90.00 359.57 12,525.00 3,877.57 1,247.40 439,673.47 785,426.57 32,205838 -103,544161 16,500.00 90.00 359.57 12,525.00 3,877.57 1,247.40 439,673.47 785,425.06 32,207111 -103,544161 16,500.00 90.00 359.57 12,525.00 3,877.57 1,245.59 440,073.47 785,425.06 32,207111 -103,544161 16,500.00 90.00 359.57 12,525.00 3,877.57 1,245.59 440,073.47 785,425.06 32,207111 -103,544161 16,500.00 90.00 359.57 12,525.00 4,877.56 1,244.59 440,173.47 785,425.06 32,207761 -103,544161 16,590.00 90.00 359.57 12,525.00 4,197.56 1,244.51 440,40,73.46 785,420.06 32,207761 -103,544161 16,590.00 90.00 359.57 12,525.00 4,197.56 1,244.51 440,40,73.46 785,420.06 32,209331 -103,544162 17,000.00 90.00 359.57 12,525.00 4,877.55 1,244.50 440,173.46 785,420.06 32,209331 -103,544162 17,200.00 90.00 359.57 12,525.00 4,877.55 1,244.50 440,173.46 785,416.56 32,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,877.55 1,244.50 440,173.45 785,416.56 32,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,877.55 1,241.60 440,173.45 785,416.56 32,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,877.55 1,241.60 440,173.45 785,416.56 32,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,877.55 1,241.50 440,173.45 785,416.56 32,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,877.55 1,242.15 440,440,173.45 785,416.56 32,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,877.55 1,242.50 4,440,173.45 785,416.56 32,209808 -103,544162 17,500.00 90.00 359.57 12,525.00 4,877.55	15,700.00	90.00	359.57	12,525.00	2,997.59	1,252.65			32.204737	-103.544161
16,000 00 90.00 396.57 12,525.00 3,397.58 1,285.040 439,413.49 785,427.57 32,205662 -103,544161 16,200 00 90.00 359.57 12,525.00 3,397.58 1,248.69 439,613.48 785,426.07 32,206112 -103,544161 16,300 00 90.00 359.57 12,525.00 3,397.58 1,248.69 439,613.48 785,426.07 32,20612 -103,544161 16,400.00 90.00 359.57 12,525.00 3,397.58 1,248.69 439,613.48 785,426.07 32,206386 -103,544161 16,500.00 90.00 359.57 12,525.00 3,397.58 1,248.69 439,613.47 785,424.57 32,2066861 -103,544161 16,500.00 90.00 359.57 12,525.00 3,397.57 1,245.89 440,013.47 785,423.06 32,207638 -103,544161 16,500.00 90.00 359.57 12,525.00 3,397.56 1,245.89 440,013.47 785,423.06 32,207486 -103,544161 16,500.00 90.00 359.57 12,525.00 3,397.56 1,245.89 440,013.47 785,423.06 32,207486 -103,544161 16,500.00 90.00 359.57 12,525.00 4,975.68 1,244.40 440,123.66 785,421.56 32,207486 -103,544161 16,500.00 90.00 359.57 12,525.00 4,975.68 1,244.40 440,213.66 785,420.63 32,207311 -103,544161 17,000.00 90.00 359.57 12,525.00 4,975.68 1,244.40 440,213.66 785,420.63 32,207311 -103,544162 17,000.00 90.00 359.57 12,525.00 4,975.58 1,242.50 440,413.46 785,420.63 32,207311 -103,544162 17,200.00 90.00 359.57 12,525.00 4,975.58 1,242.50 440,413.46 785,420.63 32,208031 -103,544162 17,200.00 90.00 359.57 12,525.00 4,975.58 1,242.50 440,413.46 785,420.63 32,208311 -103,544162 17,200.00 90.00 359.57 12,525.00 4,975.58 1,241.40 440,613.45 785,415.31 32,208636 -103,544162 17,200.00 90.00 359.57 12,525.00 4,975.58 1,241.40 440,613.45 785,415.31 32,208686 -103,544162 17,700.00 90.00 359.57 12,525.00 4,975.58 1,241.40 440,613.45 785,415.31 32,208686 -103,544162 17,700.00 90.00 359.57 12,525.00 4,975.58 1,241.40 440,613.45 785,415.31 32,208686 -103,544162 17,700.00 90.00 359.57 12,525.00 4,975.58 1,241.40 440,613.45 785,415.31 32,208686 -103,544162 17,700.00 90.00 359.57 12,525.00 4,975.58 1,241.40 440,613.45 785,415.31 32,208686 -103,544162 17,700.00 90.00 359.57 12,525.00 4,975.58 1,241.40 440,613.45 785,415.31 32,208686 -103,544162 17,700.00 90.00 359.57 12,525.00 4,975.58 1,241.40	15,800.00	90.00	359.57	12,525.00	3,097.59	1,251.90	439,213.49	785,429.07	32.205012	-103.544161
16,100.00 90.00 396.57 12,525.00 3,897.58 12,48.65 439,613.48 785,426.82 32,206837 -103,544161 16,300.00 90.00 356.57 12,525.00 3,897.58 12,48.15 439,613.48 785,426.52 32,206812 -103,544161 16,500.00 90.00 356.57 12,525.00 3,897.57 12,47.40 439,813.47 785,425.32 32,206838 -103,544161 16,500.00 90.00 356.57 12,525.00 3,897.57 12,47.40 440,913.47 785,423.82 32,206838 -103,544161 16,500.00 90.00 356.57 12,525.00 3,897.57 12,46.65 439,813.47 785,423.82 32,206838 -103,544161 16,500.00 90.00 356.57 12,525.00 3,897.57 12,425.00 440,013.47 785,423.82 32,206838 -103,544161 16,500.00 90.00 356.57 12,525.00 3,897.57 12,425.90 440,013.47 785,422.82 32,207614 103,544161 16,500.00 90.00 356.57 12,525.00 4,097.56 12,43.65 440,013.47 785,422.31 32,207764 103,544161 16,500.00 90.00 356.57 12,525.00 4,097.56 12,43.65 440,013.47 785,422.31 32,207764 103,544161 16,500.00 90.00 356.57 12,525.00 4,097.56 12,43.65 440,313.46 785,420.81 32,208038 -103,544162 17,000.00 90.00 356.57 12,525.00 4,297.56 12,43.65 440,313.46 785,420.81 32,208038 -103,544162 17,000.00 90.00 356.57 12,525.00 4,297.56 12,43.65 440,313.46 785,420.81 32,208038 -103,544162 17,200.00 90.00 356.57 12,525.00 4,497.55 12,424.00 440,413.46 785,440.81 32,208381 -103,544162 17,200.00 90.00 356.57 12,525.00 4,497.55 12,424.00 440,813.45 785,418.11 32,209858 -103,544162 17,500.00 90.00 356.57 12,525.00 4,497.55 12,424.00 440,813.45 785,418.11 32,209858 -103,544162 17,500.00 90.00 356.57 12,525.00 4,897.54 12,33.91 440,813.44 785,416.81 32,2099135 -103,544162 17,500.00 90.00 356.57 12,525.00 4,897.54 12,33.91 440,813.44 785,416.81 32,2099135 -103,544162 17,700.00 90.00 356.57 12,525.00 4,897.54 12,33.91 440,813.44 785,416.81 32,209686 -103,544162 17,700.00 90.00 356.57 12,525.00 5,004.53 12,33.14 441,134.47 785,416.61 32,210936 -103,544162 17,700.00 90.00 356.57 12,525.00 5,004.53 12,33.89 441,813.41 785,416.00 32,21099 -103,544162 17,700.00 90.00 356.57 12,525.00 5,004.53 12,33.89 441,813.41 785,416.00 32,21099 -103,544162 17,700.00 90.00 356.57 12,525.00 5,004.53 12,33.8	15,900.00	90.00	359.57	12,525.00	3,197.59	1,251.15	439,313.49	785,428.32	32.205287	-103.544161
16,200 00 90,00 359.57 12,525 00 3,997.58 12,848.90 439,613.48 785,425.67 32,206182 -103,544161 16,500 00 90,00 359.57 12,525.00 3,997.57 12,426.90 42,913.47 785,423.67 32,206881 -103,544161 16,500 00 90,00 359.57 12,525.00 3,997.57 12,426.90 440,013.47 785,423.60 32,207911 -103,544161 18,500 00 90,00 359.57 12,525.50 3,397.57 12,425.90 440,013.47 785,423.60 32,207911 -103,544161 18,500 00 90,00 359.57 12,525.50 3,397.57 12,425.90 440,013.47 785,423.60 32,207911 -103,544161 18,500 00 90,00 359.57 12,525.50 4,975.56 1245.16 440,113.47 785,423.66 32,207781 -103,544161 18,500 00 90,00 359.57 12,525.50 4,975.56 1245.16 440,113.47 785,423.66 32,207781 -103,544161 17,000 00 90,00 359.57 12,525.50 4,975.56 1243.61 440,113.46 785,420.66 32,20781 -103,544161 17,000 00 90,00 359.57 12,525.50 4,975.56 1243.61 440,513.45 785,412.65 32,20781 -103,544162 17,000 00 90,00 359.57 12,525.50 4,975.55 1242.16 440,513.45 785,417.81 32,208860 -103,544162 17,000 00 90,00 359.57 12,525.00 4,975.56 1243.66 440,713.46 785,420.66 32,209140 -103,544162 17,000 00 90,00 359.57 12,525.00 4,975.56 12,41.60 440,613.45 785,417.81 32,208860 -103,544162 17,000 00 90,00 359.57 12,525.00 4,975.56 1,238.91 440,613.45 785,417.81 32,208860 -103,544162 17,700 00 90,00 359.57 12,525.00 4,897.54 1,238.91 440,613.45 785,417.81 32,208860 -103,544162 17,700.00 90,00 359.57 12,525.00 4,897.54 1,238.91 440,613.45 785,417.81 32,208860 -103,544162 17,700.00 90,00 359.57 12,525.00 4,897.54 1,238.91 440,613.45 785,417.81 32,208860 -103,544162 17,700.00 90,00 359.57 12,525.00 4,897.54 1,238.91 440,613.45 785,417.81 32,208860 -103,544162 17,700.00 90,00 359.57 12,525.00 4,897.54 1,238.91 440,613.45 785,418.56 32,208660 -103,544162 17,700.00 90,00 359.57 12,525.00 4,897.54 1,238.91 440,613.45 785,418.53 32,208660 -103,544162 17,700.00 90,00 359.57 12,525.00 4,897.54 1,238.91 440,613.45 785,418.65 32,208660 -103,544162 17,700.00 90,00 359.57 12,525.00 4,897.55 12,328.84 441,133.43 785,414.61 32,210356 -103,544162 17,700.00 90,00 359.57 12,525.00 4,897.55 12,328.84 44	16,000.00	90.00	359.57	12,525.00	3,297.58	1,250.40	439,413.49	785,427.57	32.205562	-103.544161
16,300.00 90.00 359.57 12,525.00 3,597.57 12,424.15 439,713.48 785,425.32 32,206386 -103,544161 16,500.00 90.00 359.57 12,525.00 3,597.57 12,426.65 439,913.47 785,423.82 32,206386 -103,544161 16,500.00 90.00 359.57 12,525.00 3,597.57 12,456.90 440,013.47 785,423.82 32,206386 -103,544161 16,500.00 90.00 359.57 12,525.00 3,597.57 12,455.90 440,013.47 785,423.82 32,207486 -103,544161 16,500.00 90.00 359.57 12,525.00 4,597.56 12,44.51 440,113.47 785,423.61 32,207486 -103,544161 16,500.00 90.00 359.57 12,525.00 4,597.56 12,44.51 440,113.47 785,420.61 32,207366 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.56 12,44.51 440,151.45 785,420.81 32,20036 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,242.15 440,515.45 785,419.31 32,206365 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,242.15 440,515.45 785,419.31 32,206365 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,240.55 440,151.45 785,419.31 32,206365 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,240.55 440,151.45 785,417.65 32,206860 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,240.55 440,151.45 785,417.66 32,206860 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,240.55 440,151.45 785,417.66 32,206860 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.54 1,239.50 440,151.45 785,417.66 32,206860 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,240.55 440,151.45 785,417.66 32,206860 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,230.55 440,151.45 785,414.53 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,230.59 441,151.44 785,414.5 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.55 1,230.59 441,151.44 785,414.53 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.53 12,325.89 441,151.44 785,414.53 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.53 12,325.89 441,151.44 785,441.65 32,210356 -103,544162 17,700.00 90.00 359.57 12,525.00 5,597.53 12,325.89 441,151.44 785,441.65 32,210.59 12,210.59 12,210.59 12,210.59 12,210.59 12,210.59 12,210.5	16,100.00	90.00	359.57	12,525.00	3,397.58	1,249.65	439,513.48	785,426.82	32.205837	-103.544161
16,00 00 90,00 399.57 12,525.00 3,897.57 12,427.40 439,813.47 785,424.57 32,206681 -103,544161 16,500 00 90.00 389.57 12,525.00 3,897.57 12,425.69 440,013.47 785,423.68 32,207161 -103,544161 16,500 00 90.00 389.57 12,525.00 3,897.56 1245.19 440,013.47 785,423.68 32,207761 -103,544161 16,500 00 90.00 359.57 12,525.00 4,097.56 1,244.40 440,213.46 785,420.61 32,200036 -103,544161 16,500 00 90.00 359.57 12,525.00 4,097.56 1,244.50 440,013.47 785,423.61 32,200036 -103,544161 17,000 90.00 359.57 12,525.00 4,097.56 1,242.59 440,013.46 785,420.61 32,200036 -103,544162 17,000 90.00 359.57 12,525.00 4,097.56 1,242.90 440,013.46 785,420.61 32,200036 -103,544162 17,200.00 90.00 359.57 12,525.00 4,097.56 1,242.90 440,013.46 785,420.61 32,200036 -103,544162 17,200.00 90.00 359.57 12,525.00 4,097.55 1,241.40 440,613.45 785,410.65 32,200680 -103,544162 17,200.00 90.00 359.57 12,525.00 4,097.55 1,241.40 440,613.45 785,417.65 32,200680 -103,544162 17,200.00 90.00 359.57 12,525.00 4,097.55 1,241.40 440,613.45 785,417.61 32,200680 -103,544162 17,500.00 90.00 359.57 12,525.00 4,097.54 1,239.50 440,013.44 785,417.65 32,200680 -103,544162 17,500.00 90.00 359.57 12,525.00 4,097.54 1,239.15 440,013.44 785,416.31 32,206680 -103,544162 17,500.00 90.00 359.57 12,525.00 4,097.54 1,239.15 440,013.44 785,416.31 32,206685 -103,544162 17,737.00 90.00 359.57 12,525.00 4,097.54 1,239.15 440,013.44 785,416.31 32,206680 -103,544162 17,737.00 90.00 359.57 12,525.00 4,097.54 1,233.15 440,013.44 785,416.31 32,206685 -103,544162 17,737.00 90.00 359.57 12,525.00 4,097.54 1,233.15 440,013.44 785,416.31 32,206685 -103,544162 17,737.00 90.00 359.57 12,525.00 4,097.55 1,235.44 41,131.34 785,414.81 32,210336 -103,544162 17,737.00 90.00 359.57 12,525.00 5,097.53 12,355.89 441,133.43 785,414.81 32,210336 -103,544162 18,000.00 90.00 359.57 12,525.00 5,097.53 12,355.39 441,133.43 785,414.81 32,210334 -103,544162 18,000.00 90.00 359.57 12,525.00 5,097.53 12,355.39 441,413.43 785,414.63 32,210334 -103,544162 18,000.00 90.00 359.57 12,525.00 5,097.53 12,525.00 5,0	16,200.00	90.00	359.57	12,525.00	3,497.58	1,248.90	439,613.48	785,426.07	32.206112	-103.544161
16,500.00 90.00 359.57 12,525.00 3,787.57 1,246.85 439,913.47 785,423.82 32,206936 -103,544161 16,600.00 90.00 359.57 12,525.00 3,987.56 1,245.15 44.0113.47 785,423.06 32,20761 -103,544161 16,800.00 90.00 359.57 12,525.00 4,97.55 1,244.40 440,213.46 785,421.56 32,20761 -103,544161 16,800.00 90.00 359.57 12,525.00 4,197.56 12,44.40 440,213.46 785,421.56 32,20761 -103,544161 17,000.00 90.00 359.57 12,525.00 4,387.55 1,242.15 440,113.46 785,420.81 32,20836 -103,544162 17,200.00 90.00 359.57 12,525.00 4,387.55 1,242.15 440,513.45 785,420.81 32,20835 -103,544162 17,200.00 90.00 359.57 12,525.00 4,387.55 1,242.15 440,513.45 785,419.31 32,208355 -103,544162 17,200.00 90.00 359.57 12,525.00 4,387.55 1,241.40 440,613.45 785,418.13 32,20835 -103,544162 17,200.00 90.00 359.57 12,525.00 4,887.54 1,239.90 440,813.44 785,416.31 32,208365 -103,544162 17,500.00 90.00 359.57 12,525.00 4,887.54 1,239.90 440,813.44 785,416.31 32,208865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,887.54 1,239.90 440,813.44 785,416.31 32,208865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,887.54 1,239.39 440,813.44 785,416.31 32,208865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,887.54 1,238.39 441,013.44 785,416.31 32,208865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,887.54 1,238.39 441,013.44 785,416.81 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,416.31 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,416.31 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,416.31 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,410.63 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,410.33 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,134.47 785,410.33 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,134.47 785,410.33 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,134	16,300.00	90.00	359.57	12,525.00	3,597.58	1,248.15	439,713.48	785,425.32	32.206386	-103.544161
16,600.00 90.00 359.57 12,525.00 3,897.57 1,245.90 40,013.47 785,422.06 32,207486 -103,544161 16,800.00 90.00 359.57 12,525.00 4,097.56 1,244.04 40,213.46 785,421.56 32,207861 -103,544161 16,900.00 90.00 359.57 12,525.00 4,197.56 1,244.65 440,131.46 785,420.66 32,208311 -103,544162 71,000.00 90.00 359.57 12,525.00 4,297.56 1,242.50 440,413.46 785,420.66 32,208311 -103,544162 71,000.00 90.00 359.57 12,525.00 4,397.55 1,244.00 440,513.45 785,420.66 32,208311 -103,544162 71,000.00 90.00 359.57 12,525.00 4,597.55 1,241.00 440,513.45 785,418.56 32,208860 -103,544162 71,000.00 90.00 359.57 12,525.00 4,597.55 1,241.00 440,613.45 785,417.81 32,209135 -103,544162 71,000.00 90.00 359.57 12,525.00 4,597.55 1,241.00 440,613.45 785,417.81 32,209135 -103,544162 71,000.00 90.00 359.57 12,525.00 4,797.54 1,239.15 440,913.44 785,416.31 32,209860 -103,544162 71,700.00 90.00 359.57 12,525.00 4,987.54 1,239.15 440,913.44 785,416.31 32,209860 -103,544162 71,700.00 90.00 359.57 12,525.00 4,987.54 1,239.15 440,913.44 785,416.31 32,209860 -103,544162 71,700.00 90.00 359.57 12,525.00 5,097.53 1,238.99 440,913.44 785,414.81 32,210336 -103,544162 71,700.00 90.00 359.57 12,525.00 5,097.53 1,238.99 441,913.44 785,414.81 32,210336 -103,544162 71,700.00 90.00 359.57 12,525.00 5,097.53 1,238.89 441,913.43 785,414.81 32,210336 -103,544162 71,700.00 90.00 359.57 12,525.00 5,097.53 1,238.89 441,913.44 785,414.81 32,210336 -103,544162 71,700.00 90.00 359.57 12,525.00 5,097.53 1,238.89 441,913.44 785,414.60 32,210510 -103,544162 71,700.00 90.00 359.57 12,525.00 5,097.53 1,238.89 441,913.44 785,414.06 32,210510 -103,544162 71,700.00 90.00 359.57 1,2525.00 5,097.53 1,238.89 441,913.44 785,414.06 32	16,400.00	90.00	359.57	12,525.00	3,697.57	1,247.40	439,813.47	785,424.57	32.206661	-103.544161
16,700.00 90.00 359.57 12,525.00 3,997.56 1,244.40 40,213.47 785,422.31 32.207486 -103.544161 16,900.00 90.00 359.57 12,525.00 4,197.56 1,244.40 40,213.46 785,420.81 32.20836 -103.544162 77,000.00 90.00 359.57 12,525.00 4,197.56 1,242.90 4,4013.46 785,420.81 32.20836 -103.544162 77,000.00 90.00 359.57 12,525.00 4,397.55 1,242.15 440,513.45 785,420.81 32.20835 -103.544162 77,000.00 90.00 359.57 12,525.00 4,397.55 1,241.40 4,0613.45 785,418.93 32.208850 -103.544162 77,000.00 90.00 359.57 12,525.00 4,897.55 1,241.40 4,0613.45 785,418.56 32.208860 -103.544162 77,000.00 90.00 359.57 12,525.00 4,897.55 1,241.40 4,0613.45 785,417.81 32.209135 -103.544162 77,000.00 90.00 359.57 12,525.00 4,897.54 1,239.90 4,081.34 785,417.06 32.208410 -103.544162 77,000.00 90.00 359.57 12,525.00 4,897.54 1,239.90 4,081.34 785,417.06 32.20865 -103.544162 77,000.00 90.00 359.57 12,525.00 4,897.54 1,238.39 41,013.44 785,415.83 32.208860 -103.544162 77,707.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.53 32.208860 -103.544162 77,707.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.53 32.208660 -103.544162 77,707.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.53 32.20860 -103.544162 77,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.53 32.20860 -103.544162 77,700.00 90.00 359.57 12,525.00 5,037.53 1,238.89 441,213.43 785,414.53 32.21036 -103.544162 77,700.00 90.00 359.57 12,525.00 5,037.53 1,238.89 441,213.43 785,414.53 32.21036 -103.544162 77,700.00 90.00 359.57 12,525.00 5,037.53 1,238.89 441,413.43 785,414.53 32.21036 -103.544162 77,700.00 90.00 359.57 12,525.00 5,037.53 1,238.89 441,413.43 785,414.53 32.21036 -103.544162 77,700.00 90.00 359.57 12,525.00 5,037.53 1,238.89 441,413.43 785,414.53 32.21036 -103.544162 77,700.00 90.00 359.57 12,525.00 5,597.55 1,238.69 441,413.43 785,414.00 32.211059 1,03.544162 77,700.00 90.00 359.57 12,525.00 5,597.55 1,238.69 441,413.43 785,414.00 32.211059 1,03.544162 77,700.00 90.00 359.57 12,525.00 5,597.55 1,238.89 441,413.43 785,416.00	16,500.00	90.00	359.57	12,525.00	3,797.57	1,246.65	439,913.47	785,423.82	32.206936	-103.544161
16,800.00 90.00 359.57 12,525.00 4,097.56 1,244.40 440,213.46 785,421.56 32,207761 -103,544162 17,000.00 90.00 359.57 12,525.00 4,197.56 1,242.90 440,413.46 785,420.66 32,208316 -103,544162 17,000.00 90.00 359.57 12,525.00 4,397.55 1,242.15 440,513.45 785,420.06 32,208311 -103,544162 17,200.00 90.00 359.57 12,525.00 4,397.55 1,242.15 440,513.45 785,419.31 32,208585 -103,544162 17,300.00 90.00 359.57 12,525.00 4,597.55 1,240.65 440,713.45 785,419.31 32,208585 -103,544162 17,300.00 90.00 359.57 12,525.00 4,597.55 1,240.65 440,713.45 785,417.66 32,209135 -103,544162 17,500.00 90.00 359.57 12,525.00 4,597.54 1,239.15 440,913.44 785,416.31 32,209135 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.54 1,239.15 440,913.44 785,416.31 32,209865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.54 1,239.16 440,913.44 785,416.31 32,209865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.54 1,237.64 441,113.44 785,416.31 32,209865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,597.54 1,237.64 441,113.44 785,414.81 32,210356 -103,544162 17,700.00 90.00 359.57 12,525.00 5,097.53 1,236.44 441,134.34 785,414.81 32,210356 -103,544162 17,900.00 90.00 359.57 12,525.00 5,997.52 1,236.14 441,313.43 785,414.63 32,210510 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,131.34 785,414.61 32,210596 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,131.34 785,410.61 32,211696 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,131.34 785,410.61 32,211696 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,234.64 441,131.34 785,410.61 32,211696 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,234.64 441,131.34 785,410.61	16,600.00	90.00	359.57	12,525.00	3,897.57	1,245.90	440,013.47	785,423.06	32.207211	-103.544161
16,900.00 90.00 359.57 12,525.00 4,197.58 1,243.65 440,313.46 785,420.66 32,208311 -103,544162 17,100.00 90.00 359.57 12,525.00 4,497.55 1,242.15 440,513.45 785,419.31 32,208585 -103,544162 17,200.00 90.00 359.57 12,525.00 4,497.55 1,241.40 440,813.45 785,419.31 32,208585 -103,544162 17,200.00 90.00 359.57 12,525.00 4,497.55 1,241.40 440,813.45 785,419.51 32,208860 -103,544162 17,200.00 90.00 359.57 12,525.00 4,897.55 1,241.40 440,813.45 785,419.51 32,209135 -103,544162 17,200.00 90.00 359.57 12,525.00 4,897.54 1,239.15 440,913.44 785,417.61 32,209136 -103,544162 17,500.00 90.00 359.57 12,525.00 4,897.54 1,239.15 440,913.44 785,416.31 32,209865 -103,544162 17,500.00 90.00 359.57 12,525.00 4,897.54 1,239.31 440,913.44 785,416.31 32,209865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,897.54 1,231.79 441,150.43 785,416.31 32,209865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,897.54 1,231.79 441,150.43 785,414.61 32,209865 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.61 32,210336 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.61 32,210336 -103,544162 17,900.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.61 32,210336 -103,544162 17,900.00 90.00 359.57 12,525.00 5,037.53 1,236.89 441,413.43 785,414.61 32,210344 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,313.43 785,414.61 32,210344 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,313.43 785,414.61 32,210344 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,313.43 785,414.61 32,211334 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,234.64 441,313.44 785,410.61 32,211334 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,234.64 441,313.44 785,410.61 32,211344 -103,544162 18,000.00 90.00 359.57 12,525.00 5,897.51 1,230.44 441,313.44 785,409.56 32,211699 -103,544163 18,000.00 90.00 359.57 12,525.00 5,897.51 1,230.14 442,113.41 785,409.66 32,211699 -103,544163 19,000.00 90.00 359.57 12,525.00 5,897.51 1,230.14	16,700.00	90.00	359.57	12,525.00	3,997.56	1,245.15	440,113.47	785,422.31	32.207486	-103.544161
17,000.00 90.00 359.57 12,525.00 4,297.56 1,242.15 440,413.46 785,419.31 32,20856 1-03,544162 17,200.00 90.00 359.57 12,525.00 4,497.55 1,241.40 440,613.45 785,419.51 32,20856 1-03,544162 17,300.00 90.00 359.57 12,525.00 4,97.55 1,241.40 440,613.45 785,417.66 32,20866 1-03,544162 17,500.00 90.00 359.57 12,525.00 4,97.55 1,240.05 440,713.45 785,417.66 32,20810 1-03,544162 17,500.00 90.00 359.57 12,525.00 4,97.54 1,239.00 440,813.44 785,416.31 32,008685 1-103,544162 17,500.00 90.00 359.57 12,525.00 4,97.54 1,239.05 440,813.44 785,416.31 32,008685 1-103,544162 17,700.00 90.00 359.57 12,525.00 4,987.54 1,237.64 441,113.44 785,416.31 32,008685 1-103,544162 17,700.00 90.00 359.57 12,525.00 4,987.54 1,237.64 441,113.44 785,414.81 32,210235 1-103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.81 32,210235 1-03,544162 17,700.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,113.44 785,414.81 32,210336 1-103,544162 17,900.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,134.34 785,414.81 32,210336 1-103,544162 17,900.00 90.00 359.57 12,525.00 5,97.53 1,236.89 441,134.34 785,414.60 32,210510 1-103,544162 18,000.00 90.00 359.57 12,525.00 5,97.53 1,236.14 441,313.43 785,412.56 32,211059 1-103,544162 18,100.00 90.00 359.57 12,525.00 5,97.53 1,235.39 441,413.43 785,412.56 32,211059 1-103,544162 18,100.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.42 785,410.63 32,211059 1-103,544162 18,100.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,403.51 32,21134 1-103,544162 18,100.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,405.63 32,211699 1-103,544162 18,100.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,405.63 32,212169 1-103,544162 18,100.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,134.34 785,405.63 32,212464 13,103,544162 18,100.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,406.80 32,212469 1-103,544162 18,100.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,406.80 32,212484 1-103,544162 18,100.00 90.00 359.57 12,525.00 5,697.50 1,22	16,800.00	90.00	359.57	12,525.00	4,097.56	1,244.40		785,421.56	32,207761	-103.544161
17,100.00 90.00 359.57 12,525.00 4,397.55 1,242.15 440,513.45 785,419.31 32,036855 -103.544162 17,200.00 90.00 359.57 12,525.00 4,497.55 1,240.05 440,613.45 785,417.81 32,039135 -103.544162 17,400.00 90.00 359.57 12,525.00 4,697.55 1,240.05 440,613.44 785,417.81 32,039135 -103.544162 17,500.00 90.00 359.57 12,525.00 4,697.54 1,239.90 440,813.44 785,417.81 32,039140 -103.544162 17,500.00 90.00 359.57 12,525.00 4,897.54 1,239.15 440,913.44 785,415.65 32,039960 -103.544162 17,700.00 90.00 359.57 12,525.00 4,897.54 1,239.15 440,913.44 785,415.56 32,039960 -103.544162 17,700.00 90.00 359.57 12,525.00 4,897.54 1,231.59 441,134.4 785,415.56 32,039960 -103.544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.64 441,134.4 785,415.56 32,039960 -103.544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.64 441,134.4 785,414.53 32,210336 -103.544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.64 441,150.43 785,414.53 32,210336 -103.544162 17,700.00 90.00 359.57 12,525.00 5,997.53 1,236.89 441,213.43 785,414.63 32,210336 -103.544162 17,900.00 90.00 359.57 12,525.00 5,197.53 1,236.14 441,313.43 785,414.06 32,210510 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.52 1,234.64 441,513.42 785,411.81 32,211334 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.52 1,234.64 441,513.42 785,411.81 32,211334 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.52 1,233.14 441,513.42 785,411.81 32,211334 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.52 1,233.14 441,513.42 785,410.60 32,211069 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.51 1,232.39 441,813.41 785,408.60 32,211059 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.51 1,232.39 441,813.41 785,408.60 32,211269 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.51 1,232.39 441,813.41 785,408.60 32,211269 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.50 1,232.39 441,813.41 785,408.60 32,211269 -103.544163 18,000.00 90.00 359.57 12,525.00 5,997.50 1,222.39 441,813.41 785,408.60 32,211269 -103.544163 18,000.00 90.00 359.57 12,525.00 5,997.50 1,222.39 441	16,900.00	90.00	359.57	12,525.00	4,197.56	1,243.65	440,313.46	785,420.81	32.208036	-103.544162
17,200.00 90.00 359.57 12,525.00 4,497.55 1,241.40 440,613.45 785,418.56 32,208860 -103.544162 17,300.00 90.00 359.57 12,525.00 4,597.55 1,240.65 440,713.45 785,417.61 32,209135 -103.544162 17,500.00 90.00 359.57 12,525.00 4,597.54 1,239.50 440,813.44 785,417.60 32,209410 -103.544162 17,500.00 90.00 359.57 12,525.00 4,797.54 1,239.15 440,913.44 785,416.31 32,208685 -103.544162 17,700.00 90.00 359.57 12,525.00 4,997.54 1,239.15 440,913.44 785,416.31 32,208685 -103.544162 17,700.00 90.00 359.57 12,525.00 4,997.54 1,237.64 441,113.44 785,414.81 32,210235 -103.544162 17,700.00 90.00 359.57 12,525.00 4,997.54 1,237.64 441,113.44 785,414.81 32,210235 -103.544162 17,700.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,213.43 785,414.61 32,210366 -103.544162 17,900.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,213.43 785,414.60 32,210510 -103.544162 18,000.00 90.00 359.57 12,525.00 5,997.53 1,236.89 441,413.43 785,412.56 32,211059 -103.544162 18,100.00 90.00 359.57 12,525.00 5,997.53 1,236.89 441,413.43 785,412.56 32,211059 -103.544162 18,200.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.42 785,411.06 32,211059 -103.544162 18,300.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.42 785,410.31 32,21134 -103.544162 18,300.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,409.56 32,211509 -103.544162 18,500.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,409.56 32,212159 -103.544162 18,500.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,409.56 32,212159 -103.544162 18,500.00 90.00 359.57 12,525.00 5,597.52 1,232.39 441,813.41 785,409.56 32,212169 -103.544162 18,500.00 90.00 359.57 12,525.00 5,597.51 1,232.89 440,813.41 785,409.56 32,212159 -103.544162 18,500.00 90.00 359.57 12,525.00 5,597.52 1,232.39 441,813.41 785,409.56 32,212159 -103.544162 18,500.00 90.00 359.57 12,525.00 5,597.52 1,232.39 441,813.41 785,409.56 32,212169 -103.544163 18,500.00 90.00 359.57 12,525.00 5,597.51 1,232.89 440,813.31 785,409.56 32,212169 -103.544163 18,500.00 90.00 359.57 12,525.00 5,597.52 1,232.30 4	17,000.00	90.00	359.57	12,525.00	4,297.56	1,242.90	440,413.46	785,420.06	32.208311	-103.544162
17,300.00 90.00 359.57 12,525.00 4,597.55 1,240.65 440,713.45 785,417.81 32,209135 -103,544162 17,500.00 90.00 359.57 12,525.00 4,697.54 1,239.90 440,813.44 785,415.66 32,209865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,697.54 1,239.91 441,013.44 785,415.56 32,209860 -103,544162 17,700.00 90.00 359.57 12,525.00 4,897.54 1,239.39 441,013.44 785,415.56 32,209860 -103,544162 17,700.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,415.33 32,210336 -103,544162 17,737.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.53 32,210336 -103,544162 17,737.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,013.44 785,415.33 32,210336 -103,544162 17,900.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,213.43 785,414.53 32,210336 -103,544162 17,900.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,213.43 785,413.31 32,210784 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.53 1,236.14 441,313.43 785,413.31 32,210784 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,234.64 441,513.42 785,411.66 32,211059 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,411.66 32,211059 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,411.66 32,211059 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,411.66 32,211059 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,713.42 785,410.66 32,211699 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.51 1,232.99 441,813.41 785,408.66 32,212159 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.51 1,232.99 441,813.41 785,408.66 32,212159 -103,544162 18,000.00 90.00 359.57 12,525.00 6,597.50 1,232.39 441,813.41 785,408.66 32,212159 -103,544163 18,000.00 90.00 359.57 12,525.00 6,697.50 1,223.99 442,213.40 785,408.65 32,213638 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.50 1,223.89 442,213.40 785,408.65 32,213638 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.50 1,222.89 442,213.40 785,408.65 32,213638 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.50 1,222.89	17,100.00	90.00	359.57	12,525.00	4,397.55	1,242.15	440,513.45	785,419.31	32.208585	-103.544162
17,400.00 90.00 359.57 12,525.00 4,697.54 1,239.15 440,813.44 785,417.06 32,209410 -1.03,544162 17,500.00 90.00 359.57 12,525.00 4,897.54 1,239.15 440,813.44 785,416.31 32,209885 -1.03,544162 17,700.00 90.00 359.57 12,525.00 4,897.54 1,238.39 441,013.44 785,416.31 32,209885 -1.03,544162 17,737.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.81 32,210235 -1.03,544162 17,737.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,013.44 785,414.81 32,210336 -1.03,544162 17,900.00 90.00 359.57 12,525.00 5,197.53 1,236.89 441,213.43 785,414.66 32,210510 -1.03,544162 18,000.00 90.00 359.57 12,525.00 5,197.53 1,236.89 441,413.43 785,412.56 32,210510 -1.03,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,513.42 785,411.81 32,211344 -1.03,544162 18,200.00 90.00 359.57 12,525.00 5,497.52 1,234.64 441,513.42 785,411.81 32,211349 -1.03,544162 18,200.00 90.00 359.57 12,525.00 5,497.52 1,233.49 441,613.42 785,411.81 32,211349 -1.03,544162 18,200.00 90.00 359.57 12,525.00 5,497.52 1,233.49 441,613.42 785,411.81 32,211349 -1.03,544162 18,200.00 90.00 359.57 12,525.00 5,497.52 1,233.49 441,613.42 785,410.31 32,211849 -1.03,544162 18,200.00 90.00 359.57 12,525.00 5,597.52 1,233.49 441,613.42 785,410.31 32,211849 -1.03,544162 18,600.00 90.00 359.57 12,525.00 5,597.52 1,233.49 441,613.42 785,410.31 32,211849 -1.03,544162 18,600.00 90.00 359.57 12,525.00 5,597.51 1,230.89 442,613.49 785,405.65 32,21259 -1.03,544162 18,600.00 90.00 359.57 12,525.00 5,897.51 1,230.89 442,613.40 785,406.65 32,213258 -1.03,544163 18,600.00 90.00 359.57 12,525.00 5,897.51 1,230.89 442,613.40 785,406.65 32,213258 -1.03,544163 18,600.00 90.00 359.57 12,525.00 6,897.50 1,229.39 442,613.40 785,406.65 32,213258 -1.03,544163 18,600.00 90.00 359.57 12,525.00 6,897.50 1,229.39 442,613.39 785,403.50 32,214633 -1.03,544163 19,000.00 90.00 359.57 12,525.00 6,897.50 1,229.39 442,613.39 785,403.50 32,214638 -1.03,544163 19,000.00 90.00 359.57 12,525.00 6,897.50 1,227.89 442,613.39 785,403.50 32,214638 -1.03,544163 19,000.00 90.00 359.57 12,525.0	17,200.00	90.00	359.57	12,525.00	4,497.55	1,241.40	440,613.45	785,418.56	32.208860	-103.544162
17,500.00 90.00 359.57 12,525.00 4,997.54 1,239.15 440,913.44 785,416.31 32,209865 -103,544162 17,700.00 90.00 359.57 12,525.00 4,997.54 1,237.64 441,113.44 785,414.81 32,210235 -103,544162 17,737.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.81 32,210336 -103,544162 17,737.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.63 32,210336 -103,544162 17,900.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,213.43 785,414.63 32,210510 -103,544162 18,000.00 90.00 359.57 12,525.00 5,197.53 1,236.14 441,313.43 785,413.31 32,210784 -103,544162 18,100.00 90.00 359.57 12,525.00 5,297.53 1,236.14 441,313.43 785,413.31 32,210784 -103,544162 18,100.00 90.00 359.57 12,525.00 5,397.52 1,233.64 441,513.42 785,411.81 32,211334 -103,544162 18,200.00 90.00 359.57 12,525.00 5,397.52 1,233.14 441,713.42 785,410.63 32,211699 -103,544162 18,200.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,713.42 785,410.31 32,211884 -103,544162 18,400.00 90.00 359.57 12,525.00 5,697.52 1,233.14 441,713.42 785,410.31 32,211884 -103,544162 18,500.00 90.00 359.57 12,525.00 5,697.52 1,233.14 441,713.41 785,409.56 32,211699 -103,544162 18,500.00 90.00 359.57 12,525.00 5,897.51 1,231.64 441,913.41 785,409.56 32,21159 -103,544162 18,500.00 90.00 359.57 12,525.00 5,897.51 1,230.89 442,013.41 785,408.81 32,212434 -103,544162 18,500.00 90.00 359.57 12,525.00 5,897.51 1,230.89 442,013.41 785,408.81 32,212434 -103,544162 18,700.00 90.00 359.57 12,525.00 5,897.51 1,230.89 442,013.41 785,408.81 32,212434 -103,544163 18,600.00 90.00 359.57 12,525.00 5,897.51 1,230.89 442,013.41 785,408.81 32,212353 -103,544163 18,600.00 90.00 359.57 12,525.00 6,697.59 1,222.89 442,013.41 785,405.60 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.59 1,222.89 442,013.31 785,405.05 32,214836 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.59 1,222.89 442,013.31 785,405.05 32,214809 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.59 1,222.89 442,013.39 785,403.05 32,214638 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,222.63 4	17,300.00	90.00	359.57	12,525.00	4,597.55	1,240.65	440,713.45	785,417.81		-103.544162
17,600.00 90.00 359.57 12,525.00 4,897.54 1,238.39 441,013.44 785,415.56 32,209360 -103,544162 17,737.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.81 32,210336 -103,544162 17,737.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.65 32,210336 -103,544162 17,900.00 90.00 359.57 12,525.00 5,097.53 1,236.14 441,313.43 785,414.06 32,210510 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,313.43 785,413.31 32,210784 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,513.42 785,411.81 32,211334 -103,544162 18,200.00 90.00 359.57 12,525.00 5,497.52 1,233.89 441,613.42 785,411.81 32,211334 -103,544162 18,200.00 90.00 359.57 12,525.00 5,697.52 1,233.89 441,613.42 785,411.06 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,697.52 1,233.89 441,613.42 785,411.06 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,697.52 1,233.89 441,613.41 785,409.56 32,212159 -103,544162 18,600.00 90.00 359.57 12,525.00 5,697.52 1,233.14 441,713.42 785,410.31 32,211884 -103,544162 18,600.00 90.00 359.57 12,525.00 5,697.52 1,233.89 441,813.41 785,409.56 32,212159 -103,544162 18,600.00 90.00 359.57 12,525.00 5,697.52 1,233.14 441,813.41 785,409.56 32,212159 -103,544162 18,600.00 90.00 359.57 12,525.00 5,697.51 1,231.64 441,813.41 785,409.81 32,212434 -103,544162 18,600.00 90.00 359.57 12,525.00 5,697.51 1,230.89 442,013.41 785,405.65 32,212839 -103,544163 18,600.00 90.00 359.57 12,525.00 6,997.50 1,223.39 442,013.41 785,405.65 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,223.39 442,013.41 785,405.05 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,222.86 442,213.40 785,405.65 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,227.14 442,813.39 785,405.05 32,213503 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,225.64 442,813.30 785,405.05 32,213503 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,222.63 442,813.30 785,405.05 32,214633 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,222.63	17,400.00	90.00	359.57	12,525.00	4,697.54	1,239.90		785,417.06	32.209410	-103.544162
17,700.00 90.00 359.57 12,525.00 4,997.54 1,237.64 441,113.44 785,414.81 32,210235 -103,544162 17,737.00 90.00 359.57 12,525.00 5,997.53 1,236.88 441,213.43 785,414.63 32,210510 -103,544162 17,900.00 90.00 359.57 12,525.00 5,997.53 1,236.88 441,213.43 785,413.31 32,210784 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,513.42 785,411.61 32,211334 -103,544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,513.42 785,411.61 32,211334 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,411.61 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,411.61 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,411.61 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,410.61 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,813.41 785,408.81 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 442,134.41 785,408.81 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.89 442,013.41 785,408.81 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.51 1,231.64 441,913.41 785,408.81 32,211609 -103,544162 18,000.00 90.00 359.57 12,525.00 5,597.51 1,230.89 442,013.41 785,408.81 32,212434 -103,544163 18,000.00 90.00 359.57 12,525.00 6,097.50 1,228.84 442,013.41 785,408.06 32,212709 -103,544163 18,000.00 90.00 359.57 12,525.00 6,097.50 1,222.93 442,213.40 785,405.65 32,213808 -103,544163 19,000.00 90.00 359.57 12,525.00 6,097.50 1,228.84 442,113.40 785,405.65 32,213808 -103,544163 19,000.00 90.00 359.57 12,525.00 6,097.50 1,228.84 442,113.40 785,405.65 32,213808 -103,544163 19,000.00 90.00 359.57 12,525.00 6,097.50 1,228.84 442,113.40 785,405.65 32,213808 -103,544163 19,000.00 90.00 359.57 12,525.00 6,097.50 1,228.89 442,213.30 785,405.65 32,213808 -103,544163 19,000.00 90.00 359.57 12,525.00 6,097.50 1,227.14 442,613.39 785,405.50 32,214603 -103,544163 19,000.00 90.00 359.57 12,525.00 6,097.50 1,227.14	17,500.00	90.00	359.57	12,525.00	4,797.54	1,239.15	440,913.44	785,416.31	32.209685	-103.544162
17,737.00 90.00 359.57 12,525.00 5,034.53 1,237.37 441,150.43 785,414.53 32.210336 -103.544162 17,800.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,213.43 785,414.06 32.210784 -103.544162 18,000.00 90.00 359.57 12,525.00 5,297.53 1,235.39 441,413.43 785,413.31 32.210784 -103.544162 18,000.00 90.00 359.57 12,525.00 5,297.53 1,235.39 441,413.43 785,412.56 32.211059 -103.544162 18,000.00 90.00 359.57 12,525.00 5,397.52 1,233.89 441,613.42 785,411.81 32.211344 -103.544162 18,000.00 90.00 359.57 12,525.00 5,497.52 1,233.89 441,613.42 785,411.06 32.211609 -103.544162 18,000.00 90.00 359.57 12,525.00 5,597.52 1,233.31 441,713.42 785,410.56 32.211609 -103.544162 18,000.00 90.00 359.57 12,525.00 5,697.52 1,233.31 441,713.42 785,410.31 32.211844 -103.544162 18,000.00 90.00 359.57 12,525.00 5,697.55 1,232.39 441,813.41 785,409.56 32.211509 -103.544162 18,500.00 90.00 359.57 12,525.00 5,697.55 1,233.39 441,813.41 785,409.56 32.212159 -103.544162 18,500.00 90.00 359.57 12,525.00 5,697.55 1,233.39 441,813.41 785,408.61 32.212434 -103.544162 18,600.00 90.00 359.57 12,525.00 5,697.51 1,231.64 441,913.41 785,408.61 32.212709 -103.544162 18,700.00 90.00 359.57 12,525.00 5,997.51 1,230.89 442,013.41 785,408.06 32.212709 -103.544162 18,800.00 90.00 359.57 12,525.00 6,997.51 1,230.89 442,013.41 785,408.06 32.212709 -103.544163 18,900.00 90.00 359.57 12,525.00 6,997.50 1,229.39 442,213.40 785,405.55 32.213533 -103.544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,222.89 442,413.40 785,405.85 32.213680 -103.544163 19,000.00 90.00 359.57 12,525.00 6,497.50 1,227.89 442,413.40 785,405.85 32.213680 -103.544163 19,000.00 90.00 359.57 12,525.00 6,497.49 1,226.89 442,413.40 785,405.80 32.214363 -103.544163 19,000.00 90.00 359.57 12,525.00 6,597.48 1,222.63 442,113.40 785,405.85 32.214653 -103.544163 19,000.00 90.00 359.57 12,525.00 6,697.48 1,222.63 443,113.38 785,400.55 32.214659 -103.544163 19,000.00 90.00 359.57 12,525.00 6,697.48 1,222.63 443,113.38 785,300.55 32.214657 -103.544163 19,000.00 90.00 359.57 12,525.00 7,797.48 1,222.83	17,600.00	90.00	359.57	12,525.00	4,897.54	1,238.39	441,013.44	785,415.56	32.209960	-103.544162
Cross Section @ 17737* MD, 0" FSL, 2317" FWL	17,700.00	90.00	359.57	12,525.00	4,997.54	1,237.64	441,113.44	785,414.81	32.210235	-103.544162
17,800.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,213.43 785,414.06 32,210510 -103,544162 18,000.00 90.00 359.57 12,525.00 5,297.53 1,235.39 441,413.43 785,412.56 32,211059 -103,544162 18,100.00 90.00 359.57 12,525.00 5,297.52 1,235.39 441,413.43 785,412.56 32,211059 -103,544162 18,200.00 90.00 359.57 12,525.00 5,297.52 1,233.89 441,613.42 785,411.06 32,211834 -103,544162 18,200.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,411.06 32,211884 -103,544162 18,400.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,713.42 785,410.31 32,211884 -103,544162 18,400.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,713.42 785,401.31 32,211884 -103,544162 18,600.00 90.00 359.57 12,525.00 5,597.52 1,232.39 441,813.41 785,409.56 32,212159 -103,544162 18,600.00 90.00 359.57 12,525.00 5,597.51 1,230.89 442,013.41 785,408.81 32,212709 -103,544162 18,600.00 90.00 359.57 12,525.00 5,597.51 1,230.89 442,013.41 785,408.60 32,212709 -103,544162 18,600.00 90.00 359.57 12,525.00 5,597.51 1,230.89 442,013.41 785,408.60 32,212709 -103,544162 18,600.00 90.00 359.57 12,525.00 6,097.50 1,229.39 442,013.41 785,408.60 32,212709 -103,544163 18,900.00 90.00 359.57 12,525.00 6,097.50 1,229.39 442,213.40 785,406.55 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,097.50 1,229.39 442,213.40 785,405.55 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,227.49 442,513.39 785,404.30 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.49 1,2226.89 442,813.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,225.64 442,713.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,225.64 442,713.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,2226.89 442,813.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,225.64 442,813.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,2226.89 442,813.33 785,402.05 32,214657 -103,544163 19,000.00 90.00 359.57 12,525.00 7,997.48 1,2224	17,737.00	90.00	359.57	12,525.00	5,034.53	1,237.37	441,150.43	785,414.53	32.210336	-103.544162
17,800.00 90.00 359.57 12,525.00 5,097.53 1,236.89 441,213.43 785,414.06 32,210510 -103,544162 18,000.00 90.00 359.57 12,525.00 5,297.53 1,235.39 441,413.43 785,412.56 32,211059 -103,544162 18,100.00 90.00 359.57 12,525.00 5,297.52 1,235.39 441,413.43 785,412.56 32,211059 -103,544162 18,200.00 90.00 359.57 12,525.00 5,297.52 1,233.89 441,613.42 785,411.06 32,211834 -103,544162 18,200.00 90.00 359.57 12,525.00 5,597.52 1,233.89 441,613.42 785,411.06 32,211884 -103,544162 18,400.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,713.42 785,410.31 32,211884 -103,544162 18,400.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,713.42 785,401.31 32,211884 -103,544162 18,600.00 90.00 359.57 12,525.00 5,597.52 1,232.39 441,813.41 785,409.56 32,212159 -103,544162 18,600.00 90.00 359.57 12,525.00 5,597.51 1,230.89 442,013.41 785,408.81 32,212709 -103,544162 18,600.00 90.00 359.57 12,525.00 5,597.51 1,230.89 442,013.41 785,408.60 32,212709 -103,544162 18,600.00 90.00 359.57 12,525.00 5,597.51 1,230.89 442,013.41 785,408.60 32,212709 -103,544162 18,600.00 90.00 359.57 12,525.00 6,097.50 1,229.39 442,013.41 785,408.60 32,212709 -103,544163 18,900.00 90.00 359.57 12,525.00 6,097.50 1,229.39 442,213.40 785,406.55 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,097.50 1,229.39 442,213.40 785,405.55 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,227.49 442,513.39 785,404.30 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.49 1,2226.89 442,813.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,225.64 442,713.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,225.64 442,713.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,2226.89 442,813.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,225.64 442,813.39 785,402.05 32,214358 -103,544163 19,000.00 90.00 359.57 12,525.00 6,697.49 1,2226.89 442,813.33 785,402.05 32,214657 -103,544163 19,000.00 90.00 359.57 12,525.00 7,997.48 1,2224	Cross S	ection @ 1773	7' MD, 0' FSL	., 2317' FWL						
18,000.00 90.00 359.57 12,525.00 5,297.53 1,235.39 441,413.43 785,412.56 32,211059 -103,544162 18,100.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,513.42 785,411.81 32,211639 -103,544162 18,200.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,613.42 785,410.31 32,211884 -103,544162 18,500.00 90.00 359.57 12,525.00 5,697.52 1,231.64 441,813.41 785,409.56 32,212159 -103,544162 18,500.00 90.00 359.57 12,525.00 5,697.51 1,231.64 441,813.41 785,408.61 32,212434 -103,544162 18,600.00 90.00 359.57 12,525.00 5,697.51 1,231.64 441,813.41 785,408.06 32,212494 -103,544162 18,600.00 90.00 359.57 12,525.00 5,697.51 1,231.64 441,813.41 785,408.06 32,212493 -103,544163 18,600.00 90.00 359.57 12,525.00 6,697.50 1,229.34 42,213.40 7	17,800.00	90.00	359.57	12,525.00	5,097.53	1,236.89	441,213.43	785,414.06	32.210510	-103.544162
18,100.00 90.00 359.57 12,525.00 5,397.52 1,234.64 441,513.42 785,411.81 32,211334 -103,544162 18,200.00 90.00 359.57 12,525.00 5,497.52 1,233.89 441,613.42 785,410.31 32,211609 -103,544162 18,400.00 90.00 359.57 12,525.00 5,597.52 1,233.34 441,713.42 785,410.31 32,211684 -103,544162 18,500.00 90.00 359.57 12,525.00 5,697.52 1,232.39 441,813.41 785,408.81 32,212559 -103,544162 18,600.00 90.00 359.57 12,525.00 5,897.51 1,231.64 441,913.41 785,408.81 32,212709 -103,544162 18,700.00 90.00 359.57 12,525.00 5,897.51 1,230.89 442,013.41 785,408.06 32,212583 -103,544162 18,700.00 90.00 359.57 12,525.00 6,997.50 1,229.39 442,013.41 785,406.55 32,213258 -103,544163 18,900.00 90.00 359.57 12,525.00 6,297.50 1,227.89 442,013.40	17,900.00	90.00	359.57	12,525.00	5,197.53	1,236.14	441,313.43	785,413.31	32.210784	-103.544162
18,200.00 90.00 359.57 12,525.00 5,497.52 1,233.89 441,613.42 785,411.06 32,211609 -103,544162 18,300.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,713.42 785,410.31 32,211884 -103,544162 18,500.00 90.00 359.57 12,525.00 5,697.52 1,233.89 441,813.41 785,409.56 32,212159 -103,544162 18,600.00 90.00 359.57 12,525.00 5,697.51 1,230.89 441,813.41 785,408.81 32,212709 -103,544162 18,600.00 90.00 359.57 12,525.00 5,997.51 1,230.14 442,113.41 785,408.06 32,212709 -103,544162 18,800.00 90.00 359.57 12,525.00 5,997.51 1,230.14 442,113.41 785,407.30 32,212883 -103,544163 18,900.00 90.00 359.57 12,525.00 6,997.50 1,228.84 442,313.40 785,405.80 32,213808 -103,544163 19,000.00 90.00 359.57 12,525.00 6,397.50 1,227.94 442,413.40	18,000.00	90.00	359.57	12,525.00	5,297.53	1,235.39	441,413.43	785,412.56	32.211059	-103.544162
18,300.00 90.00 359.57 12,525.00 5,597.52 1,233.14 441,713.42 785,410.31 32.211884 -103.544162 18,000.00 90.00 359.57 12,525.00 5,697.52 1,232.39 441,813.41 785,409.56 32.212159 -103.544162 18,500.00 90.00 359.57 12,525.00 5,797.51 1,231.64 441,913.41 785,408.06 32.212709 -103.544162 18,700.00 90.00 359.57 12,525.00 5,997.51 1,230.14 442,113.41 785,408.06 32.212883 -103.544162 18,800.00 90.00 359.57 12,525.00 5,997.51 1,230.14 442,113.41 785,408.06 32.212883 -103.544163 18,900.00 90.00 359.57 12,525.00 6,997.50 1,229.39 442,213.40 785,405.80 32.213533 -103.544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,227.89 442,413.40 785,405.05 32.214083 -103.544163 19,000.00 90.00 359.57 12,525.00 6,397.50 1,227.14 442,513.39	18,100.00	90.00	359.57	12,525.00	5,397.52	1,234.64	441,513.42	785,411.81	32.211334	-103.544162
18,400.00 90.00 359.57 12,525.00 5,697.52 1,232.39 441,813.41 785,409.56 32,212159 -103,544162 18,500.00 90.00 359.57 12,525.00 5,797.51 1,230.89 442,013.41 785,408.61 32,212434 -103,544162 18,700.00 90.00 359.57 12,525.00 5,997.51 1,230.89 442,013.41 785,408.06 32,212709 -103,544162 18,700.00 90.00 359.57 12,525.00 6,997.50 1,229.39 442,213.40 785,406.55 32,213258 -103,544163 18,900.00 90.00 359.57 12,525.00 6,997.50 1,228.84 442,213.40 785,405.05 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,227.89 442,413.40 785,405.05 32,213808 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,227.89 442,613.39 785,405.05 32,214083 -103,544163 19,200.00 90.00 359.57 12,525.00 6,997.49 1,226.39 442,613.39	18,200.00	90.00	359.57	12,525.00	5,497.52	1,233.89	441,613.42	785,411.06	32.211609	-103.544162
18,500.00 90.00 359.57 12,525.00 5,797.51 1,231.64 441,913.41 785,408.81 32.212434 -103.544162 18,600.00 90.00 359.57 12,525.00 5,897.51 1,230.14 442,013.41 785,408.60 32.212709 -103.544162 18,600.00 90.00 359.57 12,525.00 6,997.51 1,230.14 442,113.41 785,406.55 32.213258 -103.544163 18,900.00 90.00 359.57 12,525.00 6,197.50 1,222.89 442,213.40 785,405.60 32.213533 -103.544163 19,000.00 90.00 359.57 12,525.00 6,297.50 1,227.89 442,413.40 785,405.05 32.213808 -103.544163 19,100.00 90.00 359.57 12,525.00 6,397.50 1,227.14 442,613.39 785,405.05 32.214083 -103.544163 19,200.00 90.00 359.57 12,525.00 6,597.49 1,226.39 442,613.39 785,403.05 32.214083 -103.544163 19,400.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,613.39	18,300.00	90.00	359.57	12,525.00	5,597.52	1,233.14	441,713.42	785,410.31	32.211884	-103.544162
18,600.00 90.00 359.57 12,525.00 5,897.51 1,230.89 442,013.41 785,408.06 32,212709 -103,544162 18,700.00 90.00 359.57 12,525.00 5,997.51 1,230.14 442,113.41 785,407.30 32,212883 -103,544163 18,900.00 90.00 359.57 12,525.00 6,097.50 1,229.39 442,213.40 785,406.55 32,213258 -103,544163 19,000.00 90.00 359.57 12,525.00 6,997.50 1,227.89 442,413.40 785,405.05 32,213808 -103,544163 19,000.00 90.00 359.57 12,525.00 6,397.50 1,227.14 442,513.39 785,405.05 32,214083 -103,544163 19,200.00 90.00 359.57 12,525.00 6,497.49 1,226.39 442,613.39 785,404.30 32,214083 -103,544163 19,200.00 90.00 359.57 12,525.00 6,497.49 1,225.49 442,613.39 785,402.80 32,214633 -103,544163 19,300.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,613.39	18,400.00	90.00	359.57	12,525.00	5,697.52	1,232.39	441,813.41	785,409.56	32.212159	-103.544162
18,700.00 90.00 359.57 12,525.00 5,997.51 1,230.14 442,113.41 785,407.30 32.212983 -103.544162 18,800.00 90.00 359.57 12,525.00 6,097.50 1,228.39 442,213.40 785,406.55 32.213258 -103.544163 19,000.00 90.00 359.57 12,525.00 6,297.50 1,222.89 442,413.40 785,405.05 32.213808 -103.544163 19,100.00 90.00 359.57 12,525.00 6,397.50 1,227.14 442,513.39 785,404.30 32.214083 -103.544163 19,200.00 90.00 359.57 12,525.00 6,497.49 1,226.39 442,613.39 785,404.30 32.214083 -103.544163 19,300.00 90.00 359.57 12,525.00 6,597.49 1,225.64 442,713.39 785,402.80 32.214358 -103.544163 19,400.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,813.38 785,402.05 32.214907 -103.544163 19,500.00 90.00 359.57 12,525.00 6,897.48 1,224.89 442,813.38	18,500.00	90.00	359.57	12,525.00	5,797.51	1,231.64	441,913.41	785,408.81	32.212434	-103.544162
18,800.00 90.00 359.57 12,525.00 6,097.50 1,229.39 442,213.40 785,406.55 32,213258 -103,544163 18,900.00 90.00 359.57 12,525.00 6,197.50 1,228.64 442,313.40 785,405.80 32,213533 -103,544163 19,000.00 90.00 359.57 12,525.00 6,297.50 1,227.14 442,413.40 785,405.05 32,213808 -103,544163 19,100.00 90.00 359.57 12,525.00 6,397.50 1,227.14 442,513.39 785,403.55 32,214083 -103,544163 19,200.00 90.00 359.57 12,525.00 6,497.49 1,226.39 442,613.39 785,403.55 32,214368 -103,544163 19,300.00 90.00 359.57 12,525.00 6,597.49 1,224.69 442,613.39 785,402.80 32,214363 -103,544163 19,400.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,813.38 785,402.80 32,214907 -103,544163 19,500.00 90.00 359.57 12,525.00 6,997.48 1,224.14 442,913.38	18,600.00	90.00	359.57	12,525.00	5,897.51	1,230.89	442,013.41	785,408.06	32.212709	-103.544162
18,900.00 90.00 359.57 12,525.00 6,197.50 1,228.64 442,313.40 785,405.80 32.213533 -103.544163 19,000.00 90.00 359.57 12,525.00 6,297.50 1,227.89 442,413.40 785,405.05 32.213808 -103.544163 19,100.00 90.00 359.57 12,525.00 6,397.50 1,227.14 442,513.39 785,404.30 32.214083 -103.544163 19,200.00 90.00 359.57 12,525.00 6,497.49 1,226.39 442,613.39 785,403.55 32.214358 -103.544163 19,300.00 90.00 359.57 12,525.00 6,597.49 1,225.64 442,713.39 785,402.80 32.214633 -103.544163 19,400.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,813.38 785,402.05 32.214693 -103.544163 19,500.00 90.00 359.57 12,525.00 6,897.48 1,224.14 442,913.38 785,401.30 32.215457 -103.544163 19,600.00 90.00 359.57 12,525.00 6,897.48 1,223.39 443,013.38	18,700.00	90.00	359.57				442,113.41	785,407.30	32.212983	-103.544162
19,000.00 90.00 359.57 12,525.00 6,297.50 1,227.89 442,413.40 785,405.05 32.213808 -103.544163 19,100.00 90.00 359.57 12,525.00 6,397.50 1,227.14 442,513.39 785,404.30 32.214083 -103.544163 19,200.00 90.00 359.57 12,525.00 6,497.49 1,226.39 442,613.39 785,403.55 32.214358 -103.544163 19,300.00 90.00 359.57 12,525.00 6,597.49 1,225.64 442,713.39 785,402.80 32.214633 -103.544163 19,400.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,813.38 785,402.80 32.214907 -103.544163 19,500.00 90.00 359.57 12,525.00 6,797.48 1,224.44 442,913.38 785,401.30 32.215182 -103.544163 19,700.00 90.00 359.57 12,525.00 6,897.48 1,222.63 443,013.38 785,400.55 32.215457 -103.544163 19,900.00 90.00 359.57 12,525.00 7,997.48 1,222.63 443,013.38	18,800.00	90.00	359.57	12,525.00	6,097.50	1,229.39		785,406.55		-103.544163
19,100.00 90.00 359.57 12,525.00 6,397.50 1,227.14 442,513.39 785,404.30 32.214083 -103.544163 19,200.00 90.00 359.57 12,525.00 6,497.49 1,226.39 442,613.39 785,403.55 32.214358 -103.544163 19,300.00 90.00 359.57 12,525.00 6,597.49 1,225.64 442,713.39 785,402.80 32.214633 -103.544163 19,400.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,813.38 785,402.05 32.214907 -103.544163 19,500.00 90.00 359.57 12,525.00 6,797.48 1,224.14 442,913.38 785,401.30 32.215182 -103.544163 19,600.00 90.00 359.57 12,525.00 6,897.48 1,222.63 443,013.38 785,400.55 32.215457 -103.544163 19,700.00 90.00 359.57 12,525.00 6,997.48 1,222.63 443,113.38 785,399.80 32.215732 -103.544163 19,800.00 90.00 359.57 12,525.00 7,097.48 1,221.88 443,213.37	18,900.00	90.00			6,197.50	1,228.64	442,313.40			
19,200.00 90.00 359.57 12,525.00 6,497.49 1,226.39 442,613.39 785,403.55 32.214358 -103.544163 19,300.00 90.00 359.57 12,525.00 6,597.49 1,225.64 442,713.39 785,402.80 32.214633 -103.544163 19,400.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,813.38 785,402.05 32.214907 -103.544163 19,500.00 90.00 359.57 12,525.00 6,797.48 1,224.14 442,913.38 785,402.05 32.215182 -103.544163 19,600.00 90.00 359.57 12,525.00 6,897.48 1,223.39 443,013.38 785,400.55 32.215457 -103.544163 19,700.00 90.00 359.57 12,525.00 6,997.48 1,222.63 443,113.38 785,399.80 32.215732 -103.544163 19,800.00 90.00 359.57 12,525.00 7,097.48 1,221.88 443,213.37 785,399.05 32.216007 -103.544163 20,000.00 90.00 359.57 12,525.00 7,197.47 1,221.13 443,113.37	19,000.00				6,297.50		442,413.40	785,405.05		
19,300.00 90.00 359.57 12,525.00 6,597.49 1,225.64 442,713.39 785,402.80 32.214633 -103.544163 19,400.00 90.00 359.57 12,525.00 6,697.49 1,224.89 442,813.38 785,402.05 32.214907 -103.544163 19,500.00 90.00 359.57 12,525.00 6,797.48 1,224.14 442,913.38 785,401.30 32.215182 -103.544163 19,600.00 90.00 359.57 12,525.00 6,897.48 1,223.39 443,013.38 785,400.55 32.215457 -103.544163 19,700.00 90.00 359.57 12,525.00 6,997.48 1,222.63 443,113.38 785,399.80 32.215732 -103.544163 19,800.00 90.00 359.57 12,525.00 7,097.48 1,221.88 443,213.37 785,399.05 32.216007 -103.544163 19,900.00 90.00 359.57 12,525.00 7,197.47 1,221.13 443,313.37 785,398.30 32.216282 -103.544163 20,000.00 90.00 359.57 12,525.00 7,297.47 1,220.38 443,413.37										-103.544163
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19,500.00 90.00 359.57 12,525.00 6,797.48 1,224.14 442,913.38 785,401.30 32,215182 -103.544163 19,600.00 90.00 359.57 12,525.00 6,897.48 1,223.39 443,013.38 785,400.55 32,215457 -103.544163 19,700.00 90.00 359.57 12,525.00 6,997.48 1,222.63 443,113.38 785,399.80 32,215732 -103.544163 19,800.00 90.00 359.57 12,525.00 7,097.48 1,221.88 443,213.37 785,399.05 32,216007 -103.544163 20,000.00 90.00 359.57 12,525.00 7,197.47 1,221.13 443,313.37 785,398.30 32,216282 -103.544163 20,000.00 90.00 359.57 12,525.00 7,297.47 1,220.38 443,413.37 785,397.55 32,216557 -103.544163 20,100.00 90.00 359.57 12,525.00 7,397.47 1,219.63 443,513.36 785,396.80 32,216832 -103.544163 20,200.00 90.00 359.57 12,525.00 7,497.47 1,218.88 443,613.36										
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19,900.00 90.00 359.57 12,525.00 7,197.47 1,221.13 443,313.37 785,398.30 32,216282 -103.544163 20,000.00 90.00 359.57 12,525.00 7,297.47 1,220.38 443,413.37 785,397.55 32,216557 -103.544163 20,100.00 90.00 359.57 12,525.00 7,397.47 1,219.63 443,513.36 785,396.80 32,216832 -103.544163 20,200.00 90.00 359.57 12,525.00 7,497.47 1,218.88 443,613.36 785,396.05 32,217106 -103.544163 20,300.00 90.00 359.57 12,525.00 7,597.46 1,218.13 443,713.36 785,395.30 32,217381 -103.544163 20,400.00 90.00 359.57 12,525.00 7,697.46 1,217.38 443,813.35 785,394.55 32,217656 -103.544163 20,500.00 90.00 359.57 12,525.00 7,797.46 1,216.63 443,913.35 785,393.80 32,217931 -103.544163	19,700.00	90.00		12,525.00	6,997.48		443,113.38	785,399.80	32.215732	-103.544163
20,000.00 90.00 359.57 12,525.00 7,297.47 1,220.38 443,413.37 785,397.55 32,216557 -103.544163 20,100.00 90.00 359.57 12,525.00 7,397.47 1,219.63 443,513.36 785,396.80 32,216832 -103.544163 20,200.00 90.00 359.57 12,525.00 7,497.47 1,218.88 443,613.36 785,396.05 32,217106 -103.544163 20,300.00 90.00 359.57 12,525.00 7,597.46 1,218.13 443,713.36 785,395.30 32,217381 -103.544163 20,400.00 90.00 359.57 12,525.00 7,697.46 1,217.38 443,813.35 785,394.55 32,217656 -103.544163 20,500.00 90.00 359.57 12,525.00 7,797.46 1,216.63 443,913.35 785,393.80 32,217931 -103.544163	19,800.00	90.00	359.57		7,097.48		443,213.37			-103.544163
20,100.00 90.00 359.57 12,525.00 7,397.47 1,219.63 443,513.36 785,396.80 32.216832 -103.544163 20,200.00 90.00 359.57 12,525.00 7,497.47 1,218.88 443,613.36 785,396.05 32.217106 -103.544163 20,300.00 90.00 359.57 12,525.00 7,597.46 1,218.13 443,713.36 785,395.30 32.217381 -103.544163 20,400.00 90.00 359.57 12,525.00 7,697.46 1,217.38 443,813.35 785,394.55 32.217656 -103.544163 20,500.00 90.00 359.57 12,525.00 7,797.46 1,216.63 443,913.35 785,393.80 32.217931 -103.544163	19,900.00	90.00	359.57	12,525.00	7,197.47	1,221.13	443,313.37	785,398.30	32.216282	-103.544163
20,200.00 90.00 359.57 12,525.00 7,497.47 1,218.88 443,613.36 785,396.05 32,217106 -103.544163 20,300.00 90.00 359.57 12,525.00 7,597.46 1,218.13 443,713.36 785,395.30 32,217381 -103.544163 20,400.00 90.00 359.57 12,525.00 7,697.46 1,217.38 443,813.35 785,394.55 32,217656 -103.544163 20,500.00 90.00 359.57 12,525.00 7,797.46 1,216.63 443,913.35 785,393.80 32,217931 -103.544163	20,000.00	90.00	359.57	12,525.00	7,297.47	1,220.38	443,413.37	785,397.55	32.216557	-103.544163
20,300.00 90.00 359.57 12,525.00 7,597.46 1,218.13 443,713.36 785,395.30 32.217381 -103.544163 20,400.00 90.00 359.57 12,525.00 7,697.46 1,217.38 443,813.35 785,394.55 32.217656 -103.544163 20,500.00 90.00 359.57 12,525.00 7,797.46 1,216.63 443,913.35 785,393.80 32.217931 -103.544163	20,100.00	90.00	359.57	12,525.00	7,397.47	1,219.63		785,396.80	32.216832	-103.544163
20,400.00 90.00 359.57 12,525.00 7,697.46 1,217.38 443,813.35 785,394.55 32.217656 -103.544163 20,500.00 90.00 359.57 12,525.00 7,797.46 1,216.63 443,913.35 785,393.80 32.217931 -103.544163	20,200.00	90.00	359.57	12,525.00	7,497.47	1,218.88	443,613.36	785,396.05	32.217106	-103.544163
20,500.00 90.00 359.57 12,525.00 7,797.46 1,216.63 443,913.35 785,393.80 32.217931 -103.544163	20,300.00	90.00	359.57	12,525.00	7,597.46	1,218.13	443,713.36	785,395.30	32.217381	-103.544163
20,500.00 90.00 359.57 12,525.00 7,797.46 1,216.63 443,913.35 785,393.80 32.217931 -103.544163	20,400.00	90.00	359.57	12,525.00	7,697.46	1,217.38	443,813.35	785,394.55	32.217656	-103.544163
20,600.00 90.00 359.57 12,525.00 7,897.45 1,215.88 444,013.35 785,393.05 32.218206 -103.544163	20,500.00	90.00	359.57	12,525.00	7,797.46		443,913.35	785,393.80	32.217931	-103.544163
	l '		359.57	12,525.00	7,897.45	1,215.88	444,013.35	785,393.05	32.218206	-103.544163

Database: Company: EDM r5000.141_Prod US

WCDSC Permian NM

Project:

Lea County (NAD83 New Mexico East)

Site:

Sec 23-T24S-R33E

Well:

Blue Krait 23-14 Fed 32H

Wellbore: Design:

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

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Well Blue Krait 23-14 Fed 32H

RKB @ 3580.80ft

RKB @ 3580.80ft Grid

Minimum Curvature

Planned Survey
Measured

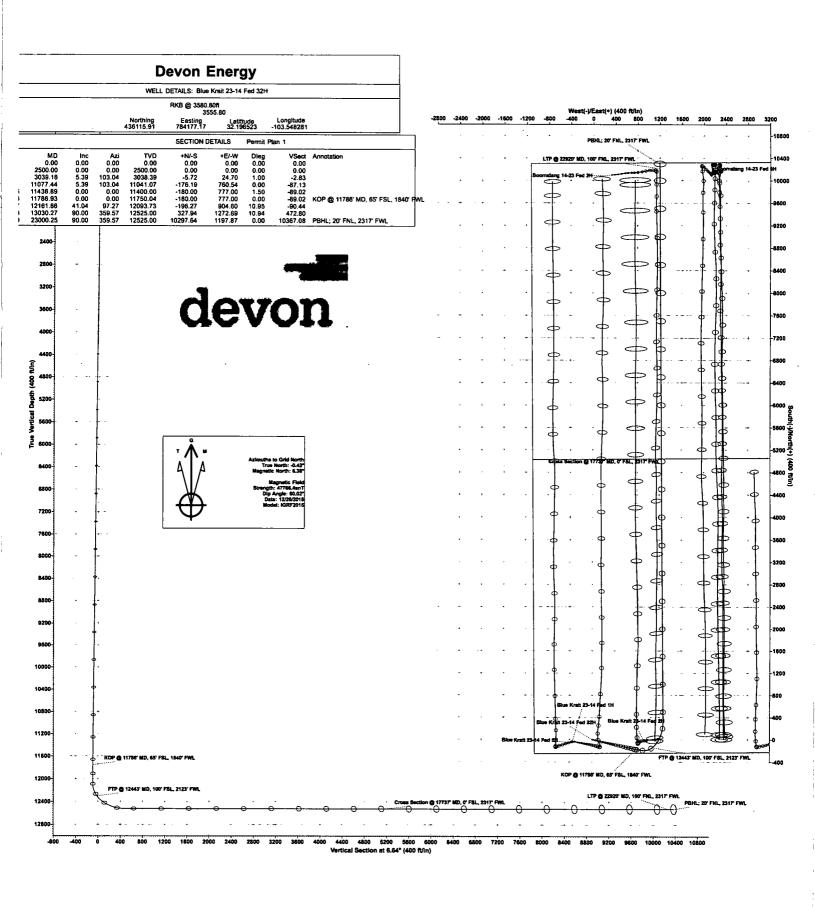
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
20,700.00	90.00	359.57	12,525.00	7,997.45	1,215.13	444,113.34	785,392.30	32.218481	-103.544164
20,800.00	90.00	359.57	12,525.00	8,097.45	1,214.38	444,213.34	785,391.54	32.218756	-103,544164
20,900.00	90.00	359.57	12,525.00	8,197.45	1,213.63	444,313.34	785,390.79	32.219031	-103.544164
21,000.00	90.00	359.57	12,525.00	8,297.44	1,212.88	444,413.34	785,390.04	32.219305	-103.544164
21,100.00	90.00	359.57	12,525.00	8,397.44	1,212.13	444,513.33	785,389.29	32.219580	-103.544164
21,200.00	90.00	359.57	12,525.00	8,497.44	1,211.38	444,613.33	785,388.54	32.219855	-103.544164
21,300.00	90.00	359.57	12,525.00	8,597.43	1,210.63	444,713.33	785,387.79	32.220130	-103.544164
21,400.00	90.00	359.57	12,525.00	8,697.43	1,209.88	444,813.32	785,387.04	32.220405	-103.544164
21,500.00	90.00	359.57	12,525.00	8,797.43	1,209.13	444,913.32	785,386.29	32.220680	-103.544164
21,600.00	90.00	359.57	12,525.00	8,897.43	1,208.38	445,013.32	785,385.54	32.220955	-103.544164
21,700.00	90.00	359.57	12,525.00	8,997.42	1,207.63	445,113.31	785,384.79	32.221230	-103.544164
21,800.00	90.00	359.57	12,525.00	9,097.42	1,206.87	445,213.31	785,384.04	32.221504	-103.544164
21,900.00	90.00	359:57	12,525.00	9,197.42	1,206.12	445,313.31	785,383.29	32.221779	-103.544164
22,000.00	90.00	359.57	12,525.00	9,297.41	1,205.37	445,413.31	785,382.54	32.222054	-103.544164
22,100.00	90.00	359.57	12,525.00	9,397.41	1,204.62	445,513.30	785,381.79	32.222329	-103.544164
22,200.00	90.00	359.57	12,525.00	9,497.41	1,203.87	445,613.30	785,381.04	32.222604	-103.544164
22,300.00	90.00	359.57	12,525.00	9,597.41	1,203.12	445,713.30	785,380.29	32.222879	-103.544164
22,400.00	90.00	359.57	12,525.00	9,697.40	1,202.37	445,813.29	785,379.54	32.223154	-103.544164
22,500.00	90.00	359.57	12,525.00	9,797.40	1,201.62	445,913.29	785,378.79	32.223428	-103.544164
22,600.00	90.00	359.57	12,525.00	9,897.40	1,200.87	446,013.29	785,378.04	32.223703	-103.544164
22,700.00	90.00	359.57	12,525.00	9,997.39	1,200.12	446,113.28	785,377.29	32.223978	-103.544165
22,800.00	90.00	359.57	12,525.00	10,097.39	1,199.37	446,213.28	785,376.53	32.224253	-103.544165
22,900.00	90.00	359.57	12,525.00	10,197.39	1,198.62	446,313.28	785,375.78	32.224528	-103.544165
22,920.24	90.00	359.57	12,525.00	10,217.63	1,198.47	446,333.52	785,375.63	32.224584	-103.54416
LTP @ 22	2920° MD, 100°	' FNL, 2317' F	WL						
23,000.00	90.00	359.57	12,525.00	10,297.39	1,197.87	446,413.28	785,375.03	32.224803	-103.54416
23,000.24	90.00	359.57	12,525.00	10,297.63	1,197.87	446,413.52	785,375.03	32.224804	-103.54416
PBHL; 20)' FNL, 2317' F	-WL							
23,000.25	90.00	359.57	12,525.00	10,297.64	1,197.87	446,413.53	785,375.03	32.224804	-103.544165

Design	Targets
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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 - Blue Krait 23-14	0.00	0.00	0.00	10,297.66	1,197.69	446,413.55	785,374.86	32.224804	-103.544165
- nlan misses tarnet	center by 103	167 088 at 0 (nne Min (n n	O TVD O OO K	1 0 00 E\				

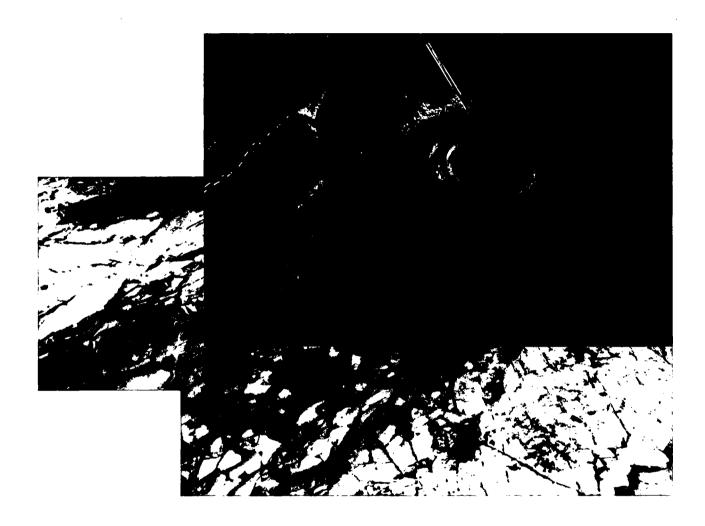
- Point

Plan Annota	ations					
	Measured	Vertical	Local Coor	dinates		
•	Depth	Depth	+N/-S	+E/-W		i
	(ft)	(ft)	(ft)	(ft)	Comment	
	11,786.93	11,750.04	-180.00	777.00	KOP @ 11786' MD, 65' FSL, 1840' FWL	1
	12,443.18	12,300.76	-145.00	1,082.81	FTP @ 12443' MD, 100' FSL, 2123' FWL	
1	17,737.00	12,525.00	5,034.53	1,237.37	Cross Section @ 17737' MD, 0' FSL, 2317' FWL	
	22,920.24	12,525.00	10,217.63	1,198.47	LTP @ 22920' MD, 100' FNL, 2317' FWL	
	23,000.24	12,525.00	10,297.63	1,197.87	PBHL; 20' FNL, 2317' FWL	





Commitment Runs Deep



Design Plan Operation and Maintenance Plan Closure Plan

SENM - Closed Loop Systems June 2010

I. Design Plan

Devon uses MI SWACO closed loop system (CLS). The MI SWACO CLS is designed to maintain drill solids at or below 5%. The equipment is arranged to progressively remove solids from the largest to the smallest size. Drilling fluids can thus be reused and savings is realized on mud and disposal costs. Dewatering may be required with the centrifuges to insure removal of ultra fine solids.

The drilling location is constructed to allow storm water to flow to a central sump normally the cellar. This insures no contamination leaves the drilling pad in the event of a spill. Storm water is reused in the mud system or stored in a reserve fluid tank farm until it can be reused. All lubricants, oils, or chemicals are removed immediately from the ground to prevent the contamination of storm water. An oil trap is normally installed on the sump if an oil spill occurs during a storm.

A tank farm is utilized to store drilling fluids including fresh water and brine fluids. The tank farm is constructed on a 20 ml plastic lined, bermed pad to prevent the contamination of the drilling site during a spill. Fluids from other sites may be stored in these tanks for processing by the solids control equipment and reused in the mud system. At the end of the well the fluids are transported from the tank farm to an adjoining well or to the next well for the rig.

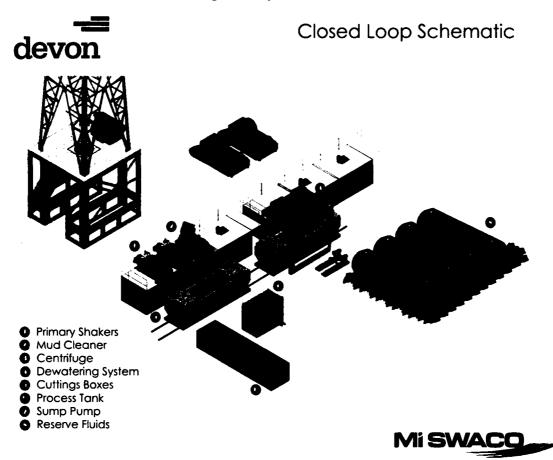
Prior to installing a closed-loop system on site, the topsoil, if present, will be stripped and stockpiled for use as the final cover or fill at the time of closure.

Signs will be posted on the fence surrounding the closed-loop system unless the closed-loop system is located on a site where there is an existing well, that is operated by Devon.

II. Operations and Maintenance Plan

Primary Shakers: The primary shakers make the first removal of drill solids from the drilling mud as it leaves the well bore. The shakers are sized to handle maximum drilling rate at optimal screen size. The shakers normally remove solids down to 74 microns.

Mud Cleaner: The Mud Cleaner cleans the fluid after it leaves the shakers. A set of hydrocyclones are sized to handle 1.25 to 1.5 times the maximum circulating rate. This ensures all the fluid is being processed to an average cut point of 25 microns. The wet discharged is dewatered on a shaker equipped with ultra fine mesh screens and generally cut at 40 microns.



Centrifuges: The centrifuges can be one or two in number depending on the well geometry or depth of well. The centrifuges are sized to maintain low gravity solids at 5% or below. They may or may not need a dewatering system to enhance the removal rates. The centrifuges can make a cut point of 8-10 microns depending on bowl speed, feed rate, solids loading and other factors.

The centrifuge system is designed to work on the active system and be flexible to process incoming fluids from other locations. This set-up is also dependant on well factors.

Dewatering System: The dewatering system is a chemical mixing and dosing system designed to enhance the solids removal of the centrifuge. Not commonly used in shallow wells. It may contain pH adjustment, coagulant mixing and dosing, and polymer mixing and dosing. Chemical flocculation binds ultra fine solids into a mass that is within the centrifuge operating design. The

dewatering system improves the centrifuge cut point to infinity or allows for the return of clear water or brine fluid. This ability allows for the ultimate control of low gravity solids.

Cuttings Boxes: Cuttings boxes are utilized to capture drill solids that are discarded from the solids control equipment. These boxes are set upon a rail system that allows for the removal and replacement of a full box of cuttings with an empty one. They are equipped with a cover that insures no product is spilled into the environment during the transportation phase.

Process Tank: (Optional) The process tank allows for the holding and process of fluids that are being transferred into the mud system. Additionally, during times of lost circulation the process tank may hold active fluids that are removed for additional treatment. It can further be used as a mixing tank during well control conditions.

Sump and Sump Pump: The sump is used to collect storm water and the pump is used to transfer this fluid to the active system or to the tank for to hold in reserve. It can also be used to collect fluids that may escape during spills. The location contains drainage ditches that allow the location fluids to drain to the sump.

Reserve Fluids (Tank Farm): A series of frac tanks are used to replace the reserve pit. These are steel tanks that are equipped with a manifold system and a transfer pump. These tanks can contain any number of fluids used during the drilling process. These can include fresh water, cut brine, and saturated salt fluid. The fluid can be from the active well or reclaimed fluid from other locations. A 20 ml liner and berm system is employed to ensure the fluids do not migrate to the environment during a spill.

If a leak develops, the appropriate division district office will be notified within 48 hours of the discovery and the leak will be addressed. Spill prevention is accomplished by maintaining pump packing, hoses, and pipe fittings to insure no leaks are occurring. During an upset condition the source of the spill is isolated and repaired as soon as it is discovered. Free liquid is removed by a diaphragm pump and returned to the mud system. Loose topsoil may be used to stabilize the spill and the contaminated soil is excavated and placed in the cuttings boxes. After the well is finished and the rig has moved, the entire location is scrapped and testing will be performed to determine if a release has occurred.

All trash is kept in a wire mesh enclosure and removed to an approved landfill when full. All spent motor oils are kept in separate containers and they are removed and sent to an approved recycling center. Any spilled lubricants, pipe

dope, or regulated chemicals are removed from soil and sent to landfills approved for these products.

These operations are monitored by Mi Swaco service technicians. Daily logs are maintained to ensure optimal equipment operation and maintenance. Screen and chemical use is logged to maintain inventory control. Fluid properties are monitored and recorded and drilling mud volumes are accounted for in the mud storage farm. This data is kept for end of well review to insure performance goals are met. Lessons learned are logged and used to help with continuous improvement.

A MI SWACO field supervisor manages from 3-5 wells. They are responsible for training personnel, supervising installations, and inspecting sites for compliance of MI SWACO safety and operational policy.

III. Closure Plan

A maximum 340' X 340' caliche pad is built per well. All of the trucks and steel tanks fit on this pad. All fluid cuttings go to the steel tanks to be hauled by various trucking companies to an agency approved disposal.



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

SUPO Data Report

APD ID: 10400038433

Well Type: OIL WELL

Submission Date: 01/28/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

Well Work Type: Drill

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

BLUE KRAIT 23 14 FED 32H ACCESS RD 20190124124426.pdf

Existing Road Purpose: ACCESS, FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? YES

Existing Road Improvement Description: Improve road to accommodate Drilling and Completion operations.

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

BLUE KRAIT 23 CTB 2 20190124103724.PDF BLUE_KRAIT_23_WP_5_20190124103726.PDF

New road type: LOCAL

Length: 2450

Feet

Width (ft.): 30

Max slope (%): 6

Max grade (%): 4

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: Water Drainage Ditch

New road access plan or profile prepared? YES

New road access plan attachment:

New_Access_Rd_Doc_20190124104028.pdf

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

Access road engineering design? YES

Access road engineering design attachment:

New_Access_Rd_Doc_20190124104041.pdf

Turnout? N

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: See attached Interim reclamation diagram.

Access other construction information:

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: Water Drainage Ditch

Road Drainage Control Structures (DCS) description: N/A

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

OneMileBuffer_20190124124454.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: 5 ATTACHMENTS - WELLPAD PLAT, CTB PLAT, FLOWLINE PLAT, WELLPAD ELECTRIC PLAT, GAS CONNECT PLAT. REMAINING CONNECTS HANDLED BY THIRD PARTY Production Facilities map:

BLUE_KRAIT_23_CTB_2_20190124104239.PDF
BLUE_KRAIT_23_WP_5_20190124104240.PDF
BLUE_KRAIT_23_CTB_2_ELE_20190124104237.pdf
BLUE_KRAIT_23_WP_5_TO_CTB_2_FL_20190124104241.pdf

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

BLUE_KRAIT_23_CTB_2_BATCON_20190128081409.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: RECYCLED

Water source use type:

STIMULATION

Source latitude:

Source longitude:

Source datum:

Water source permit type:

OTHER

Water source transport method:

PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 500000

Source volume (acre-feet): 64.44655

Source volume (gal): 21000000

Water source and transportation map:

BLUE_KRAIT_23_14_FED_WP_5_WATER_MAP_20190124104407.PDF

Water source comments: The attached Water Transfer Map is a proposal only and the final route and documentation will be provided by a Devon contractor prior to installation. When available Devon will always follow existing disturbance. **New water well?** NO

New Water Well Info

Well latitude:

Well Longitude:

Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft):

Est thickness of aquifer:

Aquifer comments:

Aquifer documentation:

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method:

Drill material:

Grout material:

Grout depth:

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

Casing length (ft.):

Casing top depth (ft.):

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Dirt fill and caliche will be used to construct well pad. See attached map.

Construction Materials source location attachment:

Blue_Krait_23_CTB_2_Caliche_Map_20190128081425.pdf Blue_Krait_23_WP_5_Caliche_Map_20190128081425.pdf

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Water Based and Oil Based Cuttings

Amount of waste: 1769

barrels

Waste disposal frequency: Daily Safe containment description: N/A

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

FACILITY

Disposal type description:

Disposal location description: All cuttings will disposed of at R360, Sundance, or equivalent.

Waste type: COMPLETIONS/STIMULATION

Waste content description: Flow back water during completion operations.

Amount of waste: 3000

barrels

Waste disposal frequency: One Time Only

Safe containment description: N/A

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

FACILITY

Disposal type description:

Disposal location description: Various disposal locations in Lea and Eddy counties.

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

Waste type: FLOWBACK

Waste content description: Average produced BWPD over the flowback period (first 30 days of production).

Amount of waste: 6900

barrels

Waste disposal frequency: Daily Safe containment description: N/A

Safe containment attachment:

Waste disposal type: OFF-LEASE INJECTION

Disposal location ownership: COMMERCIAL

Disposal type description:

Disposal location description: Produced water will primarily be disposed of at commercial disposals connected to the

Devon water system.

Waste type: PRODUCED WATER

Waste content description: Average produced BWPD over the first year of production.

Amount of waste: 2500

barrels

Waste disposal frequency: Daily Safe containment description: N/A

Safe containment attachment:

Waste disposal type: OFF-LEASE INJECTION

Disposal location ownership: COMMERCIAL

Disposal type description:

Disposal location description: Produced water will primarily be disposed of at commercial disposals connected to the

Devon water system.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.)

Reserve pit width (ft.)

Reserve pit depth (ft.)

Reserve pit volume (cu. yd.)

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? NO

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

Description of cuttings location

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

Blue_Krait_23_14_Fed_32H_Well_Layout_20190124124521.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: BLUE KRAIT 23 FED WELLPAD

Multiple Well Pad Number: 5

Recontouring attachment:

BLUE_KRAIT_23_14_FED_32H_INTERIM_RECL_20190124124535.pdf

Drainage/Erosion control construction: All areas disturbed shall be reclaimed as early and as nearly as practicable to their original condition or their final land use and shall be maintained to control dust and minimize erosion to the extent practicable. **Drainage/Erosion control reclamation:** Topsoils and subsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns. The disturbed area then shall be reseeded in the first favorable growing season.

Well Name: BLUE KRAIT 23-14 FED Well Number: 32H

Well pad proposed disturbance

(acres): 6.887

Road proposed disturbance (acres):

1.687

Powerline proposed disturbance

(acres): 0.899

Pipeline proposed disturbance

(acres): 0.481

Other proposed disturbance (acres): 0

Total proposed disturbance: 9.954

Well pad interim reclamation (acres):

5.459

Road interim reclamation (acres): 0

Powerline interim reclamation (acres):

0

Pipeline interim reclamation (acres): 0

Other interim reclamation (acres): 0

Total interim reclamation: 5.459

Well pad long term disturbance

(acres): 1.428

Road long term disturbance (acres):

1.687

Powerline long term disturbance

(acres): 0.899

Pipeline long term disturbance

(acres): 0.481

Other long term disturbance (acres): 0

Total long term disturbance: 4.495

Disturbance Comments:

Reconstruction method: Operator will use Best Management Practices"BMP" to mechanically recontour to obtain the

desired outcome.

Topsoil redistribution: Topsoils shall be replaced to their original relative positions and contoured so as to achieve erosion

control, long-term stability and preservation of surface water flow patterns.

Soil treatment: Topsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control,

long-term stability and preservation of surface water flow patterns.

Existing Vegetation at the well pad: Shinnery, yucca, grasses and mesquite.

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Shinnery, yucca, grasses and mesquite.

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Shinnery, yucca, grasses and mesquite.

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Shinnery, yucca, grasses and mesquite.

Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

Seed Management

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type

Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:

Last Name:

Phone: (405)552-6556

Email: blake.richardson@dvn.com

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: Maintain weeds on an as need basis.

Weed treatment plan attachment:

Monitoring plan description: Monitor as needed.

Monitoring plan attachment:

Success standards: N/A

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT, PRIVATE OWNERSHIP

Other surface owner description:

BIA Local Office:

BOR Local Office:

<u> </u>		
COE Local Office:		
DOD Local Office:		
NPS Local Office:		
State Local Office:		
Military Local Office:		
USFWS Local Office:		
Other Local Office:		
USFS Region:		
USFS Forest/Grassland:	USFS Ranger District:	
Disturbance type: EXISTING ACCESS ROAD		
Describe:		
Surface Owner: BUREAU OF LAND MANAGEMENT	PRIVATE OWNERSHIP	
Other surface owner description:		
BIA Local Office:		
BOR Local Office:		
COE Local Office:		
DOD Local Office:		
NPS Local Office:		
State Local Office:		
Military Local Office:		
USFWS Local Office:		
Other Local Office:		
USFS Region:		
USFS Forest/Grassland:	USFS Ranger District:	

Well Number: 32H

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BLUE KRAIT 23-14 FED

Operator Name: DEVON ENERGY PRODUCTI	
Well Name: BLUE KRAIT 23-14 FED	Well Number: 32H
Disturbance type: PIPELINE	
Describe:	
Surface Owner: BUREAU OF LAND MANAGEM	ENT,PRIVATE OWNERSHIP
Other surface owner description:	•
BIA Local Office:	
BOR Local Office:	
COE Local Office:	
DOD Local Office:	
NPS Local Office:	
State Local Office:	
Military Local Office:	
USFWS Local Office:	
Other Local Office:	
USFS Region:	
USFS Forest/Grassland:	USFS Ranger District:
Disturbance type: WELL PAD	
Describe:	
Surface Owner: BUREAU OF LAND MANAGEM	ENT,PRIVATE OWNERSHIP
Other surface owner description:	
BIA Local Office:	
BOR Local Office:	
COE Local Office:	
DOD Local Office:	
NPS Local Office:	•
State Local Office:	
Military Local Office:	
USFWS Local Office:	
Other Local Office:	
USFS Region:	
USFS Forest/Grassland:	USFS Ranger District:
 	

Well Name: BLUE KRAIT 23-14 FED Wel

Well Number: 32H

Section 12 - Other Information

Right of Way needed? YES

Use APD as ROW? YES

ROW Type(s): 281001 ROW - ROADS, 288100 ROW - O&G Pipeline, FLPMA (Powerline), Other

ROW Applications

SUPO Additional Information: See Section 4 for 14 Facility & Infrastructure Plats. See C-102 for grading plats.

Use a previously conducted onsite? YES

Previous Onsite information: 8/14/2018

Other SUPO Attachment



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

PWD Data Report

APD ID: 10400038433

Submission Date: 01/28/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BLUE KRAIT 23-14 FED

Well Number: 32H

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: BLUE KRAIT 23-14 FED

Well Number: 32H

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 pit Monitor attachment:

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

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

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

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

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

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP Well Name: BLUE KRAIT 23-14 FED Well Number: 32H 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:

Other PWD discharge volume (bbl/day):

PWD disturbance (acres):

Well Name: BLUE KRAIT 23-14 FED Well Number: 32H

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

01/30/2020

APD ID: 10400038433 **Submission Date:** 01/28/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BLUE KRAIT 23-14 FED Well Number: 32H

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: