Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

UL - Lot

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

Section

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

Form C-101 August 1, 2011

Permit 394505

		APPLICATION	FOR PERMIT TO	DRILL, RE-	ENTER, DEEPEN,	PLUGBACK,	OR ADD A ZONE			
1. Operator Name and Address 2.						2. OGRID	Number			
CHE	VRON USAINC							4323		
6301 Deauville Blvd						3. API Nu	mber			
Midla	and, TX 79706							30-025-55170		
4. Property Code	4. Property Code 5. Property Name				6. Well No	6. Well No.				
3377	'33		ZN 34 3 STATE C	OM				616H		
	7. Surface Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	
G	34	23S	34E	G	2119	N	2624	E		Lea

8. Proposed Bottom Hole Location

Feet From

N/S Line

Feet From

E/W Line

County

Μ 24S 34E 550 Lea 9. Pool Information

Lot Idn

ANTELOPE RIDGE;WOLFCAMP 2220

#### **Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3462
16. Multiple N	17. Proposed Depth 19869	18. Formation Wolfcamp	19. Contractor	20. Spud Date 11/21/2027
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

 $\square$  We will be using a closed-loop system in lieu of lined pits

Township

Range

#### 21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1030	754	0
Int1	12.25	10.75	40.5	5217	567	0
Int2	9.875	7.625	29.7	10895	895	0
Prod	6.75	5.5	20	19869	630	10695

#### Casing/Cement Program: Additional Comments

#### 22. Proposed Blowout Prevention Program

Ī	Туре	Working Pressure	Test Pressure	Manufacturer		
	Annular	5000	11594	TBD		

knowledge and b I hereby certify th or recompletion of	elief. at no additives containing PFAS che of this well.	true and complete to the best of my emicals will be added to the completion NMAC 🗵 and/or 19.15.14.9 (B) NMAC		OIL CONSERVATI	DI DIVISION	
Printed Name:	Electronically filed by Cindy Herre	era-Murillo	Approved By:	Jeffrey Harrison		
Title:	Sr. HES Regulatory Affairs Coord	inator	Title:	Petroleum Specialist III		
Email Address:	eeof@chevron.com		Approved Date:	9/8/2025	Expiration Date: 9/8/2027	
Date:	7/29/2025	Conditions of Approval Attached				

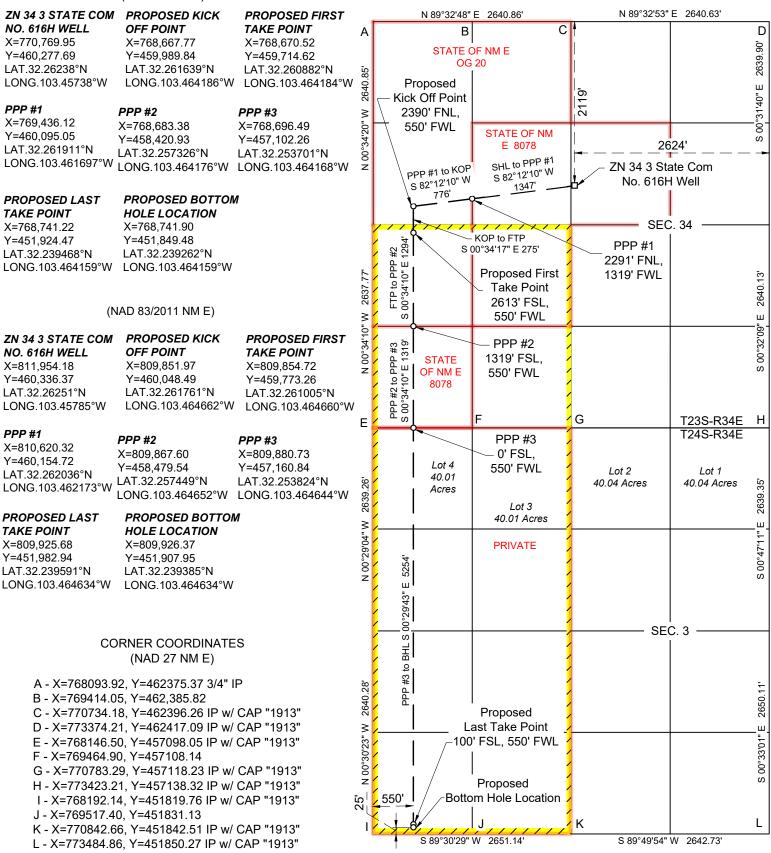
<u>C-10</u>	_		Enerç			al Resources Depa	w Mexico I Resources Department FION DIVISION			
	Electronically Permitting	/		OIL	JONGLINA	TION DIVISION		Submitta	☑ Initial Su	ıbmittal
								Type:	☐ Amende	
					\\(\(\tau\)	☐ As Drilled				
API Nu	mhar		Pool Code		WELL LOCAT	FION INFORMATION				1
30-02	5-55170	<b>X</b> A		2220		Pool Name Al	NTELOPE R	RIDGE; W	OLFCAMP	
Propert 337	733	NYA	Property N	ame	ZN 34	3 STATE COM			Well Numb	<sup>er</sup> 616H
OGRID	No. 4323		Operator N	lame	CHEVE	RON U.S.A. INC.				vel Elevation 3462'
Surface	e Owner: 🗆	State X Fee	r □ Tribal □	Federal		Mineral	Owner: ⊠ Sta	te 🗆 Fee	☐ Tribal ☐ F	ederal
					Sur	face Location				
UL	Section	Township	Range	Lot	Ft. from North	+	Latitude	L	ongitude.	County
G	34	23S	34E	N/A	2119	2624	32.2625	04° N   10	3.457854° W	LEA
					Bottor	m Hole Location				
UL	Section	Township	Range	Lot	Ft. from South		Latitude		ongitude.	County
М	3	24S	34E	N/A	25	550	32.2393	85° N   10	)3.464634° W	LEA
D - 414	t 1 A	Infill or Dofin	ing Mall	Defining	· Mall ADI	Overlanning Speci	ng Unit (V/NI)	0 11 - 1 -	# OI-	
	ted Acres 180	Infill or Defin	ū		Well API PENDING-	Overlapping Space	ng Unit (Y/N)	Consolida	ition Code P	
Order Numbers. N/A ZN 34 3 STATE COM 617					H Well setbacks are under Common Ownership: □Yes ⊠No					
<u> </u>									•	
UL	Section	Township	Range	Lot	Ft. from North	Off Point (KOP)  Ft. from West	Latitude	1.	.ongitude	County
E	34	23S	34E	N/A	2390	550	32.2617		3.464662° W	LEA
					First T	Take Point (FTP)				
UL	Section	Township	Range	Lot	Ft. from South				ongitude.	County
L	34	23S	34E	N/A	2613	550	32.2610	05° N 10	3.464660° W	LEA
					Last T	ake Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from South		Latitude		ongitude	County
М	3	24S	34E	N/A	100	550	32.2395	91° N   10	)3.464634° W	LEA
I Initima	-l A A	rea of Uniform	Intonost	0		t-1 - North-ol	10			
Unitized	u Area or A	N/A	mieresi	Spacing	Onit Type 🗷 H	orizontal □ Vertical	Grou	nd Floor El	evalion.	3462'
ODEDA	TOD OFF	FIFICATIONS				LOUIDIVEYOR OFFIT	FIGATIONIO			<del></del> 1
		TIFICATIONS		. !- 4	dl-4- 4-	SURVEYOR CERTI				
the best	of my knowle	e information co edge and belief,	and, if the wel	l is a vertica	al or directional	I hereby certify that the of actual surveys made	by me or under	own on this propervise of the contract of the	olat was plotted i sion, and that the	from field notes e same is true
interest i	in the land in	ation either own cluding the prop	osed bottom h	ole location	n or has a right	and correct to the best	•			
working	interest or ur	location pursua leased mineral	interest, or to	a voluntary	pooling	L. HA	RCRO			
		oulsory pooling o			•	CALL ME.	1/0 1			
If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or				<del> </del>	77 8					
unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a						025		121		
ina	ly He	rder from the di	Nurille	9 -	7/28/2025	06/24/2		<u></u>	rd Ha	www
Signatur				ate		Signature and Seal of	- 4			
		rera-Muri	llo				_ <del> </del>	HARCR	OVV	
Printed I			_			Certificate Number	Date of Sur	•		_
		/lurillo@c	hevron.c	om		17777		C	9/18/2024	
Email Ad	ddress						1			

#### ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

(NAD 27 NM E)



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

Form APD Conditions

Permit 394505

#### PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
CHEVRON U S A INC [4323]	30-025-55170
6301 Deauville Blvd	Well:
Midland, TX 79706	ZN 34 3 STATE COM #616H

OCD Reviewer	Condition
jeffrey.harrison	If using a pit for drilling and completion operations, operator must have an approved pit form prior to spudding the well. If a closed loop is to be utilized, please submit a form C-103A change of plans stating such.
jeffrey.harrison	NSP required if not included in an existing order or not an infill to an appropriate defining well in the same pool and spacing unit.
jeffrey.harrison	Administrative order required for non-standard location prior to production.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.

# **APD Variance Request**



# **BOP Pressure Test Recording and Documentation**

Chevron proposes a digital BOP test method in lieu of the standard test chart. BOP test pressures and other documented tests will be recorded and documented via utilization of Digital BOP Testing equipment and software. In the event the digital test system is unavailable, the standard test chart will be used.

Digital BOP testing provides an improved level of resolution and assurance into BOP pressure testing over conventional analog pressure charts. The BOP pressure testing software meets the intent of the onshore orders and CFR. The chart below provides the acceptance criteria programmed into the software.

Test	Test Time	Test Pressure Criteria	Additional Criteria
Low Pressure Test	10 min	3 psi/min decline	No visible leaks. Pressure shall not decrease below the intended test pressure.
High Pressure Test	10 min	10 psi/min decline	No visible leaks. Pressure shall not decrease below the intended test pressure.

Pressure transducers are calibrated to the manufacturers' specification. Each testing report will show information on the transducers including manufacturer, model, serial, and calibration date.

Digital testing software will be used by knowledgeable personnel for BOP pressure testing. The software will be operated per manufacturer requirements and will not be used beyond the explicitly intended purpose.



#### **Training**

MCBU Drilling and Completions H<sub>2</sub>S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H<sub>2</sub>S.

#### **Awareness Level**

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H<sub>2</sub>S, who are not required to perform work in H<sub>2</sub>S areas, will be provided with an awareness level of H<sub>2</sub>S training prior to entering any H<sub>2</sub>S areas. At a minimum, awareness level training will include:

- 1. Physical and chemical properties of H<sub>2</sub>S
- 2. Health hazards of H<sub>2</sub>S
- 3. Personal protective equipment
- 4. Information regarding potential sources of H<sub>2</sub>S
- 5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

#### Advanced Level H<sub>2</sub>S Training

Employees and contractors required to work in areas that may contain H<sub>2</sub>S will be provided with Advanced Level H<sub>2</sub>S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H<sub>2</sub>S training will include:

- 1. H<sub>2</sub>S safe work practice procedures.
- 2. Emergency contingency plan procedures.
- 3. Methods to detect the presence or release of H<sub>2</sub>S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H<sub>2</sub>S equipment.
- 4. Basic overview of respiratory protective equipment suitable for use in H<sub>2</sub>S environments.
  - a. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program.
- 5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform "standby" duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H<sub>2</sub>S training.
- 6. Proficiency examination covering all course material.

Advanced H<sub>2</sub>S training courses will be instructed by personnel who have successfully completed an appropriate H<sub>2</sub>S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.



#### H<sub>2</sub>S Training Certification

All employees and visitors will be issued an  $H_2S$  training certification card (or certificate) upon successful completion of the appropriate  $H_2S$  training course. Personnel working in an  $H_2S$  environment will carry a current  $H_2S$  training certification card as proof of having received the proper training on their person at all times.

## **Briefing Area**

A minimum of two briefing areas will be established in locations that at least one area will be upwind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

#### H<sub>2</sub>S Equipment

#### **Respiratory Protection**

- a) Six 30-minute SCBAs 2 at each briefing area and 2 in the Safety Trailer.
- b) Eight 5-minute EBAs 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

#### **Visual Warning System**

- a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.
- b) Two windsocks will be on location, one on the doghouse and one on the Drill Site Manager's Trailer.

#### H<sub>2</sub>S Detection and Monitoring System

- a) H<sub>2</sub>S monitoring system (sensor head, warning light and siren) placed throughout rig.
  - Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
  - Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.



#### **Well Control Equipment**

- a) Flare Line 150' from wellhead with igniter.
- b) Choke manifold with a remotely operated choke.
- c) Mud/gas separator

# **Mud Program**

In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

- 1. Use of a degasser
- 2. Use of a zinc-based mud treatment
- 3. Increasing mud weight

# **Public Safety - Emergency Assistance**

<u>Agency</u>	Telephone Number
Lea County Sheriff's Department	575-396-3611
Fire Department:	
Carlsbad	575-885-3125
Artesia	575-746-5050
Lea County Regional Medical Center	575-492-5000
Jal Community Hospital	505-395-2511
Lea County Emergency Management	575-396-8602
Poison Control Center	800-222-1222

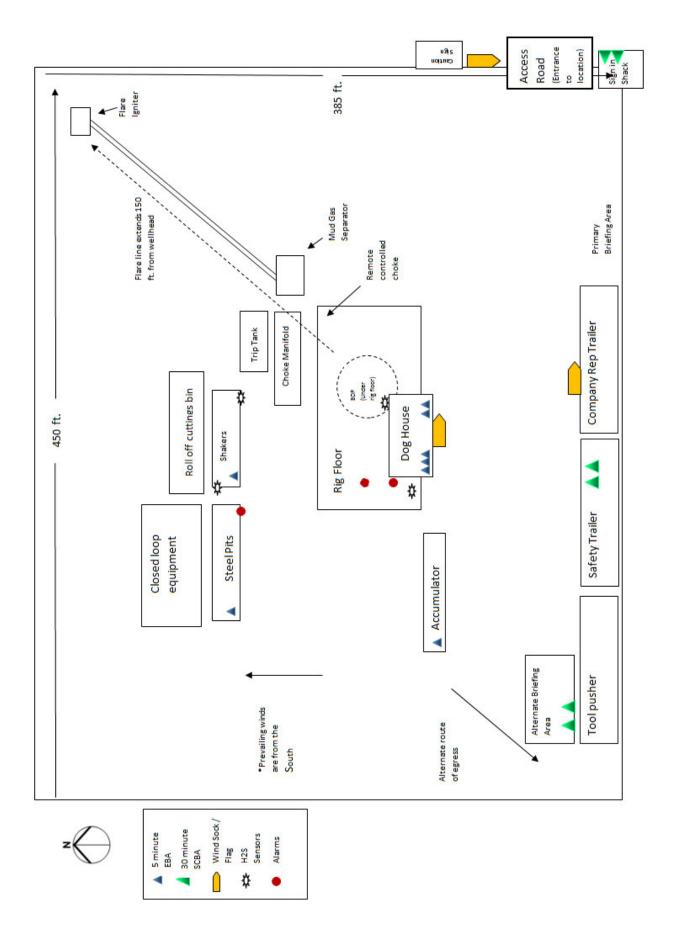


# **Chevron MCBU D&C Emergency Notifications**

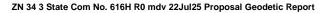
Below are lists of contacts to be used in emergency situations.

	Name	Title	Office Number	Cell Phone
1.	TBD	Drilling Engineer		
2.	Ian McWilliam	Superintendent	(661) 770-6030	
3.	Matt Madson	Superintendent	(713) 206-1493	
4.	Nicholas Duhe	Superintendent	(713) 302-2674	
5.	Dennis McHugh	Drilling Manager	(713) 372-4496	
6.	Jay Gagneaux	Operations Manager	(713) 306-1082	
7.	TBD	Wells HSE		
8.	TBD	Completion Engineer		











Report Date:
Client:
Field:
Structure / Slot:
Well:
Borehole:
UBH/ APIE:
Survey Name:
Survey Date:
Tor/ AHD / DDI/ ERD Ratio:
Coordinate Reference System:
Location Lat / Long:
Location Laf / Long:
Location Control Convergence Angle:
Grid Scale Factor:
Version / Patch:

July 24, 2025 - 09:14 PM (UTC 0)
Chevron
NM, Lea Courty (NAD 27 EZ)
Chevron Zion Pad 11/ 616H
ZN 34 3 State Com No. 616H
ZN 34 3 State Com No. 616H
Unknown / Unknown
ZN 34 3 State Com No. 616H R0 mdv 22Jul25
July 24, 2025
126, 576 \* 1 05654 292 ft / 6.360 / 0.911
NAD27 New Mexico State Plane Eastern Zone, US Feet
32\*1544.5788\*N. 103\*272.6551117\*
N 460277.690 ft US , E 770769.950 ft US
0.488\*
0.99998306(Applied)
2024.5.0.1

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
Surface	0.00 100.00	0.00	0.00 273.66	0.00 100.00	-3,490.00 -3,390.00	0.00	0.00	0.00	0.00	460,277.69 460,277.69	770,769.95 770,769.95	32.26238288 32.26238288	-103.45737809 -103.45737809
	200.00	0.00	273.66	200.00	-3,290.00	0.00	0.00	0.00	0.00	460,277.69	770,769.95	32.26238288	-103.45737809
	300.00	0.00	273.66	300.00	-3,190.00	0.00	0.00	0.00	0.00	460,277.69	770,769.95	32.26238288	-103.45737809
	400.00 500.00	0.00	273.66 273.66	400.00 500.00	-3,090.00 -2,990.00	0.00	0.00	0.00	0.00	460,277.69 460,277.69	770,769.95 770,769.95	32.26238288 32.26238288	-103.45737809 -103.45737809
Build 1.5°/100ft	600.00	0.00	273.66	600.00 699.99	-2,890.00	0.00	0.00	0.00	0.00	460,277.69	770,769.95 770,768.64	32.26238288 32.26238314	-103.45737809 -103.45738231
	700.00 800.00	1.50 3.00	273.66 273.66	799.91	-2,790.01 -2,690.09	-0.10 -0.38	0.33	-1.31 -5.22	1.50 1.50	460,277.77 460,278.02	770,764.73	32.26238392	-103.45739498
Rustler (RSLR)	900.00 952.58	4.50 5.29	273.66 273.66	899.69 952.08	-2,590.31 -2,537.92	-0.86 -1.19	0.75 1.04	-11.75 -16.23	1.50 1.50	460,278.44 460,278,73	770,758.20 770,753,72	32.26238521 32.26238610	-103.45741608 -103.45743055
Rusilei (RSLR)	1,000.00	6.00	273.66	999.27	-2,490.73	-1.53	1.34	-20.88	1.50	460,279.03	770,749.07	32.26238702	-103.45744560
	1,100.00 1,200.00	7.50 9.00	273.66 273.66	1,098.57 1,197.54	-2,391.43 -2,292.46	-2.38 -3.43	2.09 3.01	-32.61 -46.93	1.50 1.50	460,279.78 460,280.70	770,737.34 770,723.02	32.26238935 32.26239219	-103.45748352 -103.45752982
	1,300.00	10.50	273.66	1,296.09	-2,193.91	-4.67	4.09	-63.83	1.50	460,281.78	770,706.12	32.26239555	-103.45758445
Saldo (SLDO)	1,327.92 1,400.00	10.92 12.00	273.66 273.66	1,323.52 1,394.16	-2,166.48 -2,095.84	-5.05 -6.09	4.42 5.34	-69.01 -83.30	1.50 1.50	460,282.11 460,283.03	770,700.94 770,686.65	32.26239658 32.26239941	-103.45760119 -103.45764739
	1,500.00	13.50	273.66	1,491.70	-1,998.30	-7.70	6.75	-105.32	1.50	460,284.44	770,664.63	32.26240378	-103.45771860
	1,600.00 1,700.00	15.00 16.50	273.66 273.66	1,588.62 1,684.86	-1,901.38 -1,805.14	-9.50 -11.48	8.32 10.05	-129.89 -156.98	1.50 1.50	460,286.01 460,287.74	770,640.06 770,612.98	32.26240866 32.26241403	-103.45779802 -103.45788559
Hold	1,712.60	16.69	273.66	1,696.94	-1,793.06	-11.74	10.28	-160.57	1.50	460,287.97	770,609.38	32.26241475	-103.45789720
	1,800.00 1,900.00	16.69 16.69	273.66 273.66	1,780.65 1,876.44	-1,709.35 -1,613.56	-13.57 -15.67	11.89 13.72	-185.61 -214.27	0.00	460,289.58 460,291.41	770,584.34 770,555.68	32.26241972 32.26242541	-103.45797818 -103.45807084
	2,000.00	16.69	273.66	1,972.23	-1,517.77	-17.76	15.56	-242.93	0.00	460,293.25	770,527.02	32.26243109	-103.45816349
	2,100.00 2,200.00	16.69 16.69	273.66 273.66	2,068.02 2,163.80	-1,421.98 -1,326.20	-19.86 -21.96	17.40 19.23	-271.59 -300.25	0.00	460,295.09 460,296.92	770,498.36 770,469.70	32.26243678 32.26244247	-103.45825615 -103.45834880
	2,300.00 2,400.00	16.69 16.69	273.66 273.66	2,259.59 2,355.38	-1,230.41 -1,134.62	-24.05 -26.15	21.07 22.90	-328.91 -357.57	0.00	460,298.76 460,300.59	770,441.04 770,412.38	32.26244816 32.26245384	-103.45844145 -103.45853411
	2,500.00	16.69	273.66	2,451.17	-1,038.83	-28.24	24.74	-386.23	0.00	460,302.43	770,383.73	32.26245953	-103.45862676
	2,600.00 2,700.00	16.69 16.69	273.66 273.66	2,546.95 2,642.74	-943.05 -847.26	-30.34 -32.43	26.57 28.41	-414.89 -443.55	0.00	460,304.26 460,306.10	770,355.07 770,326.41	32.26246522 32.26247091	-103.45871942 -103.45881207
	2,800.00	16.69	273.66	2,738.53	-751.47	-34.53	30.24	-472.20	0.00	460,307.93	770,297.75	32.26247659	-103.45890473
	2,900.00 3,000.00	16.69 16.69	273.66 273.66	2,834.32 2,930.11	-655.68 -559.89	-36.62 -38.72	32.08 33.92	-500.86 -529.52	0.00	460,309.77 460,311.61	770,269.09 770,240.43	32.26248228 32.26248797	-103.45899738 -103.45909004
	3,100.00	16.69	273.66	3,025.89	-464.11	-40.82	35.75	-558.18	0.00	460,313.44	770,211.77	32.26249366	-103.45918269
	3,200.00 3,300.00	16.69 16.69	273.66 273.66	3,121.68 3,217.47	-368.32 -272.53	-42.91 -45.01	37.59 39.42	-586.84 -615.50	0.00	460,315.28 460,317.11	770,183.12 770,154.46	32.26249934 32.26250503	-103.45927535 -103.45936800
	3,400.00	16.69	273.66	3,313.26	-176.74	-47.10	41.26	-644.16	0.00	460,318.95	770,125.80	32.26251072	-103.45946066
Castile (CSTL)	3,500.00 3,566.86	16.69 16.69	273.66 273.66	3,409.04 3,473.09	-80.96 -16.91	-49.20 -50.60	43.09 44.32	-672.82 -691.98	0.00	460,320.78 460,322.01	770,097.14 770,077.98	32.26251640 32.26252020	-103.45955331 -103.45961527
odolio (oo12)	3,600.00	16.69	273.66	3,504.83	14.83	-51.29	44.93	-701.48	0.00	460,322.62	770,068.48	32.26252209	-103.45964597
	3,700.00 3,800.00	16.69 16.69	273.66 273.66	3,600.62 3,696.41	110.62 206.41	-53.39 -55.49	46.77 48.60	-730.14 -758.79	0.00	460,324.45 460,326.29	770,039.82 770,011.16	32.26252778 32.26253346	-103.45973862 -103.45983128
	3,900.00	16.69	273.66	3,792.20	302.20	-57.58	50.44	-787.45	0.00	460,328.13	769,982.50	32.26253915	-103.45992393
	4,000.00 4.100.00	16.69 16.69	273.66 273.66	3,887.98 3,983.77	397.98 493.77	-59.68 -61.77	52.27 54.11	-816.11 -844.77	0.00	460,329.96 460.331.80	769,953.85 769,925,19	32.26254484 32.26255052	-103.46001659 -103.46010924
	4,200.00	16.69	273.66	4,079.56	589.56	-63.87	55.94	-873.43	0.00	460,333.63	769,896.53	32.26255621	-103.46020190
	4,300.00 4,400.00	16.69 16.69	273.66 273.66	4,175.35 4,271.13	685.35 781.13	-65.96 -68.06	57.78 59.61	-902.09 -930.75	0.00	460,335.47 460,337.30	769,867.87 769,839.21	32.26256189 32.26256758	-103.46029456 -103.46038721
	4,500.00	16.69	273.66	4,366.92	876.92	-70.15	61.45	-959.41	0.00	460,339.14	769,810.55	32.26257327	-103.46047987
	4,600.00 4,700.00	16.69 16.69	273.66 273.66	4,462.71 4,558.50	972.71 1,068.50	-72.25 -74.35	63.29 65.12	-988.07 -1,016.72	0.00	460,340.98 460,342.81	769,781.89 769,753.23	32.26257895 32.26258464	-103.46057252 -103.46066518
	4,800.00 4,900.00	16.69 16.69	273.66 273.66	4,654.28 4,750.07	1,164.28 1,260.07	-76.44 -78.54	66.96 68.79	-1,045.38 -1,074.04	0.00	460,344.65 460,346.48	769,724.58 769,695.92	32.26259032 32.26259601	-103.46075783 -103.46085049
	5,000.00	16.69	273.66	4,845.86	1,355.86	-78.54 -80.63	70.63	-1,102.70	0.00	460,348.32	769,667.26	32.26269001	-103.46094314
	5,100.00 5,200.00	16.69 16.69	273.66 273.66	4,941.65 5,037.44	1,451.65 1,547.44	-82.73 -84.82	72.46 74.30	-1,131.36 -1,160.02	0.00	460,350.15 460,351.99	769,638.60 769.609.94	32.26260738 32.26261307	-103.46103580 -103.46112845
Lamar (LMAR)	5,237.37	16.69	273.66	5,073.23	1,583.23	-85.61	74.99	-1,170.73	0.00	460,352.67	769,599.23	32.26261519	-103.46116308
Bell Canyon (BEL)	5,284.74 5.300.00	16.69 16.69	273.66 273.66	5,118.61 5.133.22	1,628.61 1,643.22	-86.60 -86.92	75.85 76.13	-1,184.31 -1,188.68	0.00	460,353.54 460,353.82	769,585.65 769,581,28	32.26261789 32.26261875	-103.46120697 -103.46122111
	5,400.00	16.69	273.66	5,229.01	1,739.01	-89.02	77.97	-1,217.34	0.00	460,355.66	769,552.62	32.26262444	-103.46131376
	5,500.00 5,600.00	16.69 16.69	273.66 273.66	5,324.80 5.420.59	1,834.80 1.930.59	-91.11 -93.21	79.81 81.64	-1,246.00 -1,274.66	0.00	460,357.50 460,359.33	769,523.96 769,495.31	32.26263012 32.26263581	-103.46140642 -103.46149907
	5,700.00	16.69	273.66	5,516.37	2,026.37	-95.30	83.48	-1,303.31	0.00	460,361.17	769,466.65	32.26264149	-103.46159173
	5,800.00 5,900.00	16.69 16.69	273.66 273.66	5,612.16 5,707.95	2,122.16 2,217.95	-97.40 -99.49	85.31 87.15	-1,331.97 -1,360.63	0.00	460,363.00 460,364.84	769,437.99 769,409.33	32.26264718 32.26265286	-103.46168438 -103.46177704
	6,000.00	16.69	273.66	5,803.74	2,313.74	-101.59	88.98	-1,389.29	0.00	460,366.67	769,380.67	32.26265855	-103.46186969
Cherry Canyon (CHR)	6,100.00 6,135.77	16.69 16.69	273.66 273.66	5,899.53 5,933.79	2,409.53 2,443.79	-103.68 -104.43	90.82 91.48	-1,417.95 -1,428.20	0.00	460,368.51 460,369.17	769,352.01 769,341.76	32.26266423 32.26266627	-103.46196235 -103.46199549
, , , , , , , ,	6,200.00	16.69	273.66	5,995.31	2,505.31	-105.78	92.66	-1,446.61	0.00	460,370.34	769,323.35	32.26266992	-103.46205501
	6,300.00 6,400.00	16.69 16.69	273.66 273.66	6,091.10 6,186.89	2,601.10 2,696.89	-107.88 -109.97	94.49 96.33	-1,475.27 -1,503.93	0.00	460,372.18 460,374.02	769,294.69 769,266.04	32.26267560 32.26268129	-103.46214766 -103.46224032
	6,500.00 6,600.00	16.69 16.69	273.66 273.66	6,282.68 6,378.46	2,792.68 2.888.46	-112.07 -114.16	98.16 100.00	-1,532.59 -1,561.25	0.00	460,375.85 460,377.69	769,237.38 769,208.72	32.26268697	-103.46233297 -103.46242563
	6,700.00	16.69	273.66	6,474.25	2,984.25	-116.26	100.00	-1,589.90	0.00	460,379.52	769,208.72	32.26269834	-103.46251828
	6,800.00 6,900.00	16.69 16.69	273.66 273.66	6,570.04 6,665.83	3,080.04 3,175.83	-118.35 -120.45	103.67 105.50	-1,618.56 -1,647.22	0.00	460,381.36 460,383.19	769,151.40 769,122,74	32.26270403 32.26270971	-103.46261094 -103.46270359
	7,000.00	16.69	273.66	6,761.62	3,271.62	-122.55	107.34	-1,675.88	0.00	460,385.03	769,094.08	32.26271540	-103.46279625
	7,100.00 7,200.00	16.69 16.69	273.66 273.66	6,857.40 6,953.19	3,367.40 3,463.19	-124.64 -126.74	109.18 111.01	-1,704.54 -1,733.20	0.00	460,386.86 460,388.70	769,065.43 769,036.77	32.26272108 32.26272676	-103.46288890 -103.46298156
	7,300.00	16.69	273.66	7,048.98	3,558.98	-128.83	112.85	-1,761.86	0.00	460,390.54	769,008.11	32.26273245	-103.46307422
	7,400.00 7,500.00	16.69 16.69	273.66 273.66	7,144.77 7,240.55	3,654.77 3,750.55	-130.93 -133.02	114.68 116.52	-1,790.52 -1,819.18	0.00	460,392.37 460,394.21	768,979.45 768,950,79	32.26273813 32.26274382	-103.46316687 -103.46325953
Drop 1.5°/100ft	7,570.68	16.69	273.66	7,308.26	3,818.26	-134.50	117.82	-1,839.43	0.00	460,395.50	768,930.53	32.26274783	-103.46332502
Brushy Canyon (BCN)	7,572.48 7,600.00	16.66 16.25	273.66 273.66	7,309.98 7,336.37	3,819.98 3,846.37	-134.54 -135.11	117.85 118.35	-1,839.95 -1,847.73	1.50 1.50	460,395.54 460,396.04	768,930.02 768,922.24	32.26274794 32.26274948	-103.46332668 -103.46335183
	7,700.00	14.75	273.66	7,432.73	3,942.73	-137.06	120.05	-1,874.39	1.50	460,397.74	768,895.57	32.26275477	-103.46343805
	7,800.00 7,900.00	13.25 11.75	273.66 273.66	7,529.76 7,627.39	4,039.76 4,137.39	-138.83 -140.41	121.60 122.98	-1,898.54 -1,920.13	1.50 1.50	460,399.29 460,400.67	768,871.43 768,849.83		-103.46351610 -103.46358592
	8,000.00	10.25	273.66	7,725.55	4,235.55	-141.80	124.20	-1,939.17	1.50	460,401.89	768,830.79	32.26276762	-103.46364748
	8,100.00 8,200.00	8.75 7.25	273.66 273.66	7,824.18 7,923.20	4,334.18 4,433.20	-143.00 -144.02	125.26 126.15	-1,955.64 -1,969.53	1.50 1.50	460,402.95 460,403.84	768,814.32 768,800.44	32.26277088 32.26277364	-103.46370073 -103.46374563
	8,300.00	5.75	273.66	8,022.55	4,532.55	-144.84	126.87	-1,980.83	1.50	460,404.56	768,789.14	32.26277588	-103.46378214
	8,400.00 8,500.00	4.25 2.75	273.66 273.66	8,122.17 8,221.98	4,632.17 4,731.98	-145.48 -145.93	127.43 127.82	-1,989.52 -1,995.61	1.50 1.50	460,405.12 460,405.51	768,780.45 768,774.36	32.26277760 32.26277881	-103.46381026 -103.46382995
Hald Madical	8,600.00	1.25	273.66	8,321.92	4,831.92	-146.18	128.04	-1,999.09	1.50	460,405.73	768,770.87	32.26277950	-103.46384121
Hold Vertical	8,683.28 8,700.00	0.00	273.66 273.66	8,405.20 8,421.91	4,915.20 4,931.91	-146.25 -146.25	128.10 128.10	-2,000.00 -2,000.00	1.50 0.00	460,405.79 460,405.79	768,769.97 768,769.97	32.26277968 32.26277968	-103.46384414 -103.46384414
	8,800.00	0.00	273.66	8,521.91	5,031.91	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
Bone Spring Lime (BSL)	8,867.48 8,900.00	0.00	273.66 273.66	8,589.39 8,621.91	5,099.39 5,131.91	-146.25 -146.25	128.10 128.10	-2,000.00 -2,000.00	0.00	460,405.79 460,405.79	768,769.97 768,769.97	32.26277968 32.26277968	-103.46384414 -103.46384414
Upper Avalon (AVU)	8,996.46	0.00	273.66	8,718.37	5,228.37	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
	9,000.00 9,100.00	0.00	273.66 273.66	8,721.91 8,821.91	5,231.91 5,331.91	-146.25 -146.25	128.10 128.10	-2,000.00 -2,000.00	0.00	460,405.79 460,405.79	768,769.97 768,769.97	32.26277968 32.26277968	-103.46384414 -103.46384414
Lower Avalon (AVL)	9,200.00	0.00	273.66	8,921.91	5,431.91	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
Lower Avalon (AVL)	9,279.10	0.00	273.66	9,001.01	5,511.01	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414

## 1960   1960	Comments	MD (ft)	inci (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
1966   1966		9,300.00 9,400.00	0.00	273.66 273.66	9,021.91 9,121.91	5,531.91 5,631.91	-146.25 -146.25	128.10 128.10			460,405.79 460,405.79	768,769.97 768,769.97	32.26277968 32.26277968	-103.46384414 -103.46384414
The proof of the p														
The Property of the Property o														
12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Eirst Rone Spring Linner (ERLI)	9,900.00	0.00	273.66	9,621.91	6,131.91	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
The Date Sharp grown PELS   10.00   20	That Bolle Ophing Opper (1 BO)	10,000.00	0.00	273.66	9,721.91	6,231.91	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
1.00	First Bone Spring Lower (FBL)	10,177.26	0.00	273.66	9,899.17	6,409.17	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
Seed from Starty Law of Bills   10 ft   0		10,300.00	0.00	273.66	10,021.91	6,531.91	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Second Bone Spring Upper (SBU)													-103.46384414 -103.46384414
See Markey (Markey (Markey ) 1900   100														
Seed from Control 1900 1900 1900 1900 1900 1900 1900 190		10,700.00	0.00	273.66	10,421.91	6,931.91	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
1900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Second Bone Spring Lower (SBL)	10,809.21	0.00	273.66	10,531.12	7,041.12	-146.25	128.10	-2,000.00	0.00	460,405.79	768,769.97	32.26277968	-103.46384414
1 1000   1-20	Βυία 8*/100π	10,900.00	0.38	184.46	10,621.91	7,131.91	-146.23	128.08	-2,000.00	8.00	460,405.77	768,769.97	32.26277964	-103.46384414
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1														
The Book glorg (TSQ)  1,500.00  1,50														-103.46386186 -103.46387504
1 15000	Third Bone Spring (TBS)													
17,000   C.   18,000   C.		11,500.00	48.38	184.46	11,152.58	7,662.58	93.33	-111.66	-2,018.69	8.00	460,166.04	768,751.28	32.26212110	-103.46391088
110000 7.38 104.44 112000 7.28 104.44 112000 7.28 105.44 1.28 105.44 1.28 104.44 112000 7.28 105.44 112000 7		11,700.00	64.38	184.46	11,262.96	7,772.96	258.70	-277.15	-2,031.59	8.00	460,000.54	768,738.38	32.26166649	-103.46395695
	Wolfcamp A (WCA)	11,800.00	72.38	184.46	11,299.78	7,809.78	351.24	-369.76	-2,038.81	8.00	459,907.93	768,731.16	32.26141211	-103.46398273
THE FORCE    11   13   70   10   10   10   10   11   13   13   1	Landing Point													
1, 10000	FTP Cross				11,333.04				-2,053.92	0.00		768,716.05		-103.46403666 -103.46403727
17. 12.00.00		12,100.00	88.10	184.46	11,336.43	7,846.43	646.61	-665.35	-2,061.86	0.00	459,612.34	768,708.11	32.26060014	-103.46406501
1,0000	T 0011001	12,300.00	88.10	184.46	11,343.07	7,853.07	845.75	-864.64	-2,077.39	0.00	459,413.06	768,692.58	32.26005273	-103.46412048
12,000.00	Turn 2º/100ft	12,400.00	88.10	184.30	11,346.39	7,856.39	945.32	-964.28	-2,085.15	2.00	459,313.42	768,684.82	32.25977901	-103.46414819
12.66.20														
1,200,000 88.10 175.03 1336.07 782.27 144.07 140.073 120.005.00 0.0 48.81.137 786.074 22.206.00 0.044.175.07 11.005.00 88.10 175.04 1336.00 17.005.00 88.10 175.04 1336.00 17.005.00 17.005.00 88.10 175.04 1336.00 17.005.00 17.0	Hold	12,643.22	88.10	179.43	11,354.46	7,864.46	1,188.12	-1,207.17	-2,093.05	2.00	459,070.54	768,676.92	32.25911159	-103.46418011
13,0000 8 10 178-40 113000 1 178-50 1130000 1 178-50 1130000 1 178-50 1130000 1 178-50 1130000 1 178-50 1130000 1 178-50 11300		12,800.00	88.10	179.43	11,359.66	7,869.66	1,344.81	-1,363.85	-2,091.49	0.00	458,913.85		32.25868088	-103.46417917
13-2000		13,000.00	88.10	179.43	11,366.28	7,876.28	1,544.70	-1,563.73	-2,089.50	0.00	458,713.97	768,680.46	32.25813144	-103.46417797
13,200.00 8,10 176.45 11,376.00 7,886.00 18,376.20 1,365.20 2,000.00 456,400.07 7,866.20 13,000.00 8,10 176.45 11,376.00 7,886.20 7,886.20 14,400.00 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,366.00 7,886.20 14,400.00 8,10 176.45 11,466.00 7,886.20 14,400.00 8,10 176.45 11,466.00 7,886.20 14,400.00 8,10 176.45 11,466.00 7,886.20 14,400.00 8,10 176.45 11,466.00 7,886.20 14,466.20 14,466.20 8,10 176.45 11,466.20 7,886.20 14,466.20 14,466.20 8,10 176.45 11,466.20 7,466.20 14,466		13,200.00	88.10	179.43	11,372.91	7,882.91	1,744.59	-1,763.61	-2,087.52	0.00	458,514.09	768,682.45	32.25758200	-103.46417678
1,0,000 Bit 0 1794.8 1,1378.6 7,896.9 1,944.6 1,950.9 2,965.5 0.00 48,314.2 786.8 4 32,970.25 1,900.4 1,900.0	PPP2, Turn 2º/100ft Hold											768,683.38		
18.000.00 88.10 179-48 11.3826 77.000-17 179-20 20 14.000 40 14.00														
18.70.000 8.10 179.63 11.399.47 7.899.47 2.24.32 2.263.31 2.002.55 0.00 450.01.40 7.806.97.42 2.22.30.30 2.34.27 2.20.255 0.00 450.01.40 7.806.97.42 2.22.30.30 2.34.27 2.20.255 0.00 450.01.40 7.806.97.42 2.24.10 2.24.10 2.24.10 2.25.10 2.20.10 2.					11,382.85		2,044.43							
19,0000 8,10 77.63 11,36510 77.60.10 24.44.21 2.46.13 12.260.55 0.00 457.61.45 27.686.84 1.02.265.10 1.02.10.15 1.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00		13,700.00	88.10	179.43	11,389.47	7,899.47	2,244.32	-2,263.31	-2,082.55	0.00	458,014.40	768,687.42	32.25620839	-103.46417379
14,10,000 88.10 179.43 14,602.72 17912.72 2,444.10 2,883.07 2,075.57 0.00 47,744.67 788.874 2,225.005.00 163.44714.74 14.000 163.00 179.45 11,412.00 75.000 78.000 179.45 11,412.00 75.000 78.000 179.45 11,412.00 75.000 78.000 79.000 179.45 11,412.00 75.000 79.000 179.45 11,412.00 75.000 79.000 179.45 11,412.00 75.000 79.000 179.45 11,412.00 79.000 79.000 179.45 11,412.00 79.000 79.000 14,412.00 79.0		13,900.00	88.10	179.43	11,396.10	7,906.10	2,444.21	-2,463.19	-2,080.56	0.00	457,814.52	768,689.41	32.25565894	-103.46417260
14,000 0 810 179.43 11,400.34 7,791.94 24,399 2,862.95 2,076.99 0.00 47,744.7 76,669.33 22,545600 10.44,4160.00 10.10 179.43 11,410.26 76,000 2,000 2,000 10.04 10.44,1160.00 10.10 11.40							2,644.10							
14.500.00 88.10 1794.3 11.45.97 7.95.597 3.043.88 3.062.24 2.073.00 0.00 457.14.89 786.86.39 32.25.01.001 1795.00 11.45.26 7.35.20 3.14.25.31 3.14.27.30 0.00 457.14.25 7.35.20 11.45.26 7.35.20 3.14.25.31 3.14.27.30 0.00 457.14.25 7.35.20 11.45.26 7.35.26 3.24.37.7 3.25.27.2 0.00 457.08.25 786.86.39 32.25.000 11.45.26 7.35.26 3.24.37.7 3.25.27 2.00 457.08.25 786.86.39 32.25.000 11.45.26 7.35.26 3.24.37.7 3.25.27 2.00 457.08.25 786.86 32 32.25.000 11.45.26 7.35.26 3.24.37.7 3.25.27 2.00 457.08.25 786.86 32 32.25.000 11.45.26 7.35.26 3.24.37.7 3.25.27 2.00 457.08.25 786.86 32 32.25.000 11.45.26 7.35.26 3.24.37.7 3.25.27 3.25.														
PP2, Tun 27/1001 146,000 88.10 1794.8 11.482.20 7.592.28 3.143.83 3.142.78 2.073.80 0.00 457.102.25 7.686.6.40 225.275.399 1.146.461.682 1.146.20 1														
Hed 10 TO 14,616-41 88.10 179-50 11,145-25 7,263-82 3,160-22 3,178-17 -2,073-44 2.00 4570-855 78,696-82 32,258-9181 14,700.00 81.0 179-50 11,425-26 73,525-29 3,247-77 3,327-7	DDD2 Turn 29/400#	14,600.00	88.10	179.43	11,419.28	7,929.28	3,143.83	-3,162.78	-2,073.60	0.00	457,114.94	768,696.36	32.25373589	-103.46416842
14,000.00 88.10 179.50 11.42.23 17.58.59 1 3.343.72 3.342.66 2.071.86 0.00 48.91.50 278.698.11 32.233198.1 0.0444107.00 11.00 179.50 11.42.23 17.59.22 3.434.00 3.446.00 3.466.00 48.00 48.00 179.50 11.42.23 17.59.20 3.00 48.00 179.50 11.42.23 17.59.20 3.00 48.00 179.50 11.42.24 17.59.20 3.00 48.00 179.50 11.42.24 17.59.20 3.00 48.00 179.50 11.42.24 17.59.20 3.00 48.00 179.50 11.42.24 17.59.20 3.00 48.00 179.50 11.42.24 17.59.20 3.00 48.00 179.50 17.59.20 11.42.24 17.59.20 3.00 48.00 179.50 17.59.20 11.42.24 17.59.20 3.00 48.00 179.50 17.59.20 11.42.24 17.59.20 3.00 48.00 179.50 17.59.20 17.5	Hold to TD	14,616.41	88.10	179.50	11,419.82	7,929.82	3,160.22	-3,179.17	-2,073.44	2.00	457,098.55	768,696.52	32.25369082	-103.46416833
15,000,00   88.10   173-50   11,425-44   7,942-54   3,543-61   3,362-54   2,007-13   0.00   465,715-18   768,999-84   32,225/3709-103,444-1674   15,000,00   88.10   173-50   11,445-84   7,952-86   3,463-55   3,682-76   0.00   465,145-26   768,702-18   15,000,00   88.10   173-50   11,445-84   7,952-84   3,463-53   3,682-84   0.00   465,145-86   768,702-48   3,263-84   0.00   465,145-86   768,702-48   3,263-84   0.00   465,145-86   0.00   465		14,800.00	88.10	179.50	11,425.91	7,935.91	3,343.72	-3,362.66	-2,071.86	0.00	456,915.06	768,698.11	32.25318645	-103.46416801
15,200.00					11,432.54	7,942.54	3,543.61	-3,562.54		0.00		768,699.84	32.25263700	
15,300.00   88.10   178.50   11,442.94   7,852.49   3,843.49   3,982.34   2,086.37   2,006.37   2														
15,500,00 88.10 179.50 11,449.13 7,989.13 4,049.33 4,082.25 2,068.81 0.00 450,115.45 788,706.10 22,5128.33 103,44416167 15,000,00 88.10 179.50 11,455.76 7,865.76 78,706.70 22,044.85 0.00 450,115.54 788,706.10 22,5218.33 103,44416167 15,000,00 88.10 179.50 11,465.76 7,865.76 78,706.70 22,044.85 0.00 450,115.54 788,706.10 22,001.14 15,000,00 88.10 179.50 11,465.76 78,706.77 34,242.25 4,262.13 2,064.86 0.00 450,115.54 788,706.10 22,001.14 15,000,00 88.10 179.50 11,465.76 78,706.71 4,443.11 4,443.		15,300.00	88.10	179.50	11,442.49	7,952.49	3,843.44	-3,862.36	-2,067.54	0.00	456,415.36	768,702.43	32.25181284	-103.46416712
15,700,00 88.10 179.50 11,455,76 7,965,76 4,343.17 4,443.22 4,22.13 2,064.08 0.00 455,015.00 78,705.09 13,250,004 15,500.00 88.10 179.50 11,462.39 7,372.39 4,343.17 4,443.01 4,462.01 2,062.35 0.00 455,015.27 768,707.61 32,250,166.11 17,000.00 88.10 179.50 11,462.39 7,372.39 4,443.01 4,462.01 2,062.35 0.00 455,015.27 768,707.61 32,250,166.11 17,000.00 88.10 179.50 11,472.34 7,372.39 4,443.00 4,462.01 2,062.35 0.00 455,015.00 768,702.01 32,250,166.11 17,000.00 88.10 179.50 11,472.34 7,382.34 4,400.01 4,761.34 2,068.90 0.00 455,015.90 768,712.11 32,246,003.4416,003.00 14,000.00 14,0		15,500.00	88.10	179.50	11,449.13	7,959.13	4,043.33	-4,062.25	-2,065.81	0.00	456,215.48	768,704.16	32.25126339	-103.46416677
15,900.00 88.10 179.50 11,462.39 7,972.39 4,443.11 4,462.01 2,062.35 0.00 455,815.72 768,776.81 32,24596599 103.48416898		15,700.00	88.10	179.50	11,455.76	7,965.76	4,243.22	-4,262.13	-2,064.08	0.00	456,015.60	768,705.89	32.25071395	-103.46416641
16,100.00 88.10 179.50 11,469.02 7,979.02 4,463.00 4,661.89 2,069.05 0.00 455,615.64 768,703.43 32.24661506 103.46416502 163.00.00 88.10 179.50 11,475.66 7,985.66 7,985.66 4,862.29 4,861.78 2,068.89 0.00 455,615.90 768,710.13 22.24905622 103.46416503 163.00.00 88.10 179.50 11,475.66 7,985.67 4,862.29 4,861.78 2,068.39 0.00 455,615.90 768,711.07 32.24905622 103.46416503 163.00.00 88.10 179.50 11,465.60 7,985.67 4,862.29 4,861.78 2,068.39 0.00 455,615.90 768,711.07 32.24905622 103.46416514 16,000.00 88.10 179.50 11,465.60 7,985.60 5,142.73 6,161.60 2,055.31 0.00 455,116.10 788,711.93 32.2480930 103.46416514 16,000.00 88.10 179.50 11,465.60 7,986.20 5,142.73 6,161.60 2,055.31 0.00 455,116.10 788,711.93 32.2486930 103.46416446 16,000.00 88.10 179.50 11,465.60 7,986.20 5,142.73 6,161.60 2,055.31 0.00 455,116.10 788,714.33 32.24786931 103.46416446 16,000.00 88.10 179.50 11,465.56 8,005.55 5,422.67 5,261.54 2,053.14 0.00 455,116.10 788,714.53 32.24786931 103.46416446 16,000.00 88.10 179.50 11,492.24 8,002.24 5,342.62 5,361.48 2,053.45 0.00 454,816.31 768,716.25 32.2478292 17,000.00 88.10 179.50 11,498.57 8,008.57 5,422.51 5,54		15,900.00	88.10	179.50	11,462.39	7,972.39	4,443.11	-4,462.01	-2,062.35	0.00	455,815.72	768,707.61	32.25016451	-103.46416606
16,300.00 88.10 179.50 11,475.66 7,985.66 4,842.29 4,861.72 2,058.90 0.00 455,816.90 788,711.07 22,2496562 103,4441653 16,500.00 88.10 179.50 11,482.29 7,992.29 5,042.78 4,961.72 2,058.03 0.00 455,216.00 788,712.90 32,2487909 103,4441651 16,500.00 88.10 179.50 11,482.29 7,992.29 5,042.78 5,161.50 2,055.31 0.00 455,161.00 785,172.80 32,24879109 103,4441651 16,700.00 88.10 179.50 11,482.52 7,998.52 5,242.67 4,516.50 2,055.44 0.00 455,161.60 788,712.90 32,2487409 103,4441651 16,700.00 88.10 179.50 11,482.53 6,002.24 5,361.45 2,055.44 0.00 455,161.60 788,712.90 32,24874014 178,446.64 16,800.00 88.10 179.50 11,482.54 6,002.24 5,361.45 2,055.44 0.00 459,161.25 788,715.30 32,24786201 103,4441643 16,800.00 88.10 179.50 11,482.54 6,002.24 5,361.45 2,055.74 0.00 459,161.20 788,715.30 32,24786201 103,4441633 178,000 88.10 179.50 11,482.54 6,005.54 5,442.59 6,461.42 2,053.72 8 0.00 45,416.63 788,716.25 32,2478121 103,4441633 172,000 88.10 179.50 11,505.50 8,015.50 8,015.50 5,742.40 5,661.31 2,051.99 0.00 454,616.43 788,718.25 32,2483140 103,4441633 172,000 88.10 179.50 11,506.82 8,015.50 5,742.40 5,661.31 2,051.99 0.00 454,616.45 788,718.35 32,2483140 103,4441633 17,500.00 88.10 179.50 11,506.82 8,015.50 5,742.40 5,861.19 2,050.12 0.00 454,516.49 788,718.85 32,2483812 103,4441633 17,500.00 88.10 179.50 11,516.45 8,002.54 6,004.23 6,061.07 2,048.53 0.00 454,166.7 788,721.44 2,2467809 17,700.00 88.10 179.50 11,516.47 8,002.54 6,004.23 6,061.07 2,048.53 0.00 454,166.7 788,721.44 3,22457809 17,700.00 88.10 179.50 11,516.45 8,002.64 6,402.3 6,061.07 2,048.53 0.00 454,166.7 788,721.49 103,4441632 17,500.00 88.10 179.50 11,516.45 8,002.64 6,402.3 6,061.07 2,048.53 0.00 454,166.7 788,721.49 103,4441632 17,500.00 88.10 179.50 11,520.80 8,002.08 6,402.33 6,404.23 6,061.07 2,048.53 0.00 454,166.7 788,721.49 103,4441632 17,500.00 88.10 179.50 11,520.80 8,002.08 6,442.33 6,440.00 453,640.64 788,743.33 32,2446904 17,500.00 88.10 179.50 11,552.50 8,002.64 6,402.33 6,406.94 0.00 453,640.64 788,743.33 32,2446904 11,553.53 8,002.64 6,402.34														
16,400.00														
16,600.00 88.10 179.50 11,485.60 7,995.60 5,142.73 -5,161.60 -2,056.31 0.00 455,161.41 768,713.66 32,2482415 -103.4616341 16,800.00 88.10 179.50 11,489.52 4 8,002.24 5,342.62 -5,361.48 -2,054.58 0.00 456,916.25 768,715.39 32,247693201 -103.46416448 16,800.00 88.10 179.50 11,495.54 8,005.55 5,342.62 -5,361.48 -2,054.58 0.00 454,816.31 768,715.39 32,247693201 -103.46416448 17,900.00 88.10 179.50 11,498.87 8,005.85 5,342.62 -5,361.48 -2,056.25 0.00 454,816.31 768,715.29 32,247693201 -103.46416448 17,100.00 88.10 179.50 11,502.19 8,002.19 11,50		16,400.00	88.10	179.50	11,478.97	7,988.97	4,942.84	-4,961.72	-2,058.03	0.00	455,316.02	768,711.93	32.24879090	-103.46416517
16,800.00 88.10 1795.0 11,496.27 8,002.24 5,342.66 5,361.48 -2,054.58 0.00 454,916.25 788,715.39 32,2479629 1-03,46416428		16,600.00	88.10	179.50	11,485.60	7,995.60	5,142.73	-5,161.60	-2,056.31	0.00	455,116.14	768,713.66	32.24824145	-103.46416481
17,000,00		16,800.00	88.10	179.50	11,492.24	8,002.24	5,342.62	-5,361.48	-2,054.58	0.00	454,916.25	768,715.39	32.24769201	-103.46416446
17,200.00		16,900.00 17,000.00			11,495.55 11,498.87		5,442.56 5,542.51			0.00 0.00	454,816.31 454,716.37	768,716.25 768,717.12	32.24741729 32.24714256	-103.46416428 -103.46416410
17,300,00 88.10 179.50 11,508.82 8,018.82 5,842.34 5,861.19 2,056.26 0.00 454,416.55 768,719.71 32,2463140 -103.46416357 17,900,00 88.10 179.50 11,516.15 8,025.45 6,042.23 6,061.07 2,048.53 0.00 454,216.61 768,720.57 32,2460348 103.46416352 17,600,00 88.10 179.50 11,516.45 8,025.45 6,042.23 6,061.07 2,048.53 0.00 454,216.61 768,720.57 32,2460348 103.46416352 17,600,00 88.10 179.50 11,522.48 8,032.08 6,242.12 6,260.95 2,046.80 0.00 454,116.73 768,722.36 32,24576895 -103.46416326 17,800,00 88.10 179.50 11,522.40 8,035.00 6,242.12 6,260.95 2,046.80 0.00 454,116.73 768,722.36 32,2457189 1-103.46416268 17,900,00 88.10 179.50 11,528.72 8,038.72 6,442.01 6,460.84 2,045.08 0.00 453,916.85 768,724.89 32,2445700 -103.46416268 17,900,00 88.10 179.50 11,528.73 8,045.35 6,641.90 6,560.73 2,044.35 0.00 453,161.91 768,722.89 32,2445700 -103.46416268 18,200.00 88.10 179.50 11,538.36 8,045.35 6,641.90 6,560.73 2,043.35 0.00 453,176.97 768,725.78 32,245718 -103.46416268 18,200.00 88.10 179.50 11,538.36 8,045.35 6,641.90 6,560.73 2,043.35 0.00 453,176.97 768,725.85 32,245718 -103.46416218 18,200.00 88.10 179.50 11,538.36 8,045.35 6,641.90 6,560.72 2,045.35 0.00 453,176.97 768,725.85 32,245718 -103.46416218 18,200.00 88.10 179.50 11,543.80 8,051.98 6,241.79 6,800.60 -2,041.62 0.00 453,171.37 768,723.25 32,245718 -103.46416218 18,200.00 88.10 179.50 11,543.80 8,051.98 6,241.79 6,800.60 -2,041.62 0.00 453,171.37 768,723.25 32,245718 -103.46416178 18,000.00 88.10 179.50 11,545.50 8,055.98 6,241.79 6,800.60 -2,041.62 0.00 453,171.37 768,723.25 32,245718 -103.46416178 18,000.00 88.10 179.50 11,545.50 8,055.50 8,055.50 7,441.57 7,200.37 2,033.86 0.00 453,171.37 768,723.25 32,245718 -103.46416178 18,000.00 88.10 179.50 11,555.55 8,055.25 7,241.57 7,260.37 2,033.86 0.00 453,171.37 768,723.25 32,245718 -103.46416178 18,000.00 88.10 179.50 11,555.25 8,065.25 7,241.57 7,260.37 2,033.86 0.00 453,171.37 768,733.00 32,24247229 -103.46416178 18,000.00 88.10 179.50 11,555.25 8,065.25 7,241.57 7,260.37 2,033.86 0.00 453,171.37 768,733.00 32,244772					11,502.19		5,642.45			0.00	454,616.43	768,717.98	32.24686784	-103.46416393
17,500,00 88.10 179.50 11,515.45 8,025.45 6,042.23 6,061.07 -2,048.53 0.00 454,216.67 768,721.44 32,24576895 -103,46416322 17,000 88.10 179.50 11,515.45 8,025.45 6,042.23 -6,061.07 -2,047.67 0.00 454,116.73 768,722.33 32,24554925 -103,46416322 17,000 88.10 179.50 11,522.08 8,032.08 6,242.12 6,260.95 -2,046.80 0.00 454,116.73 768,722.36 32,2455195 -103,46416328 17,000 88.10 179.50 11,528.72 8,038.72 6,442.01 -8,460.84 -2,045.08 0.00 453,816.91 768,724.89 32,24457007 -103,46416258 18,000 88.10 179.50 11,528.33 8,042.03 8,042.03 6,541.96 -8,560.72 -2,043.55 0.00 453,816.91 768,724.89 32,24457007 -103,46416258 18,000 88.10 179.50 11,536.35 8,045.35 6,641.90 -8,660.72 -2,043.35 0.00 453,816.91 768,726.89 32,24457007 -103,46416258 18,000 88.10 179.50 11,536.35 8,045.35 6,641.90 -8,660.72 -2,043.35 0.00 453,816.91 768,726.89 32,24457007 -103,46416258 18,000 88.10 179.50 11,536.35 8,045.35 6,641.90 -8,660.72 -2,043.35 0.00 453,817.03 768,726.69 32,2441,2062 -103,46416218 18,000 88.10 179.50 11,541.88 8,051.98 6,841.79 -8,680.60 -2,041.62 0.00 453,171.03 768,726.35 32,2435941 -103,46416127 18,000 88.10 179.50 11,544.86 8,055.39 6,841.79 -8,800.54 -2,040.76 0.00 453,171.37 768,728.09 32,2435945 -103,46416127 18,000 88.10 179.50 11,544.86 8,055.39 6,841.79 -8,800.54 -2,040.76 0.00 453,171.37 768,728.09 32,2435945 -103,46416127 18,000 88.10 179.50 11,545.86 8,065.30 7,441.63 7,160.43 7,000.48 9,000 453,171.37 768,730.09 32,2432914 -103,46416128 18,000 88.10 179.50 11,555.25 8,056.55 7,241.57 7,260.37 7,260.37 -2,038.16 0.00 453,171.37 768,730.09 32,2432914 -103,46416102 18,000 88.10 179.50 11,555.25 8,056.55 7,341.52 7,360.31 -2,037.30 0.00 453,171.37 768,730.09 32,2432914 -103,46416102 18,000 88.10 179.50 11,555.25 8,056.55 7,341.52 7,360.31 -2,037.30 0.00 452,171.57 768,730.09 32,2432915 -103,46416102 18,000 88.10 179.50 11,555.25 8,056.55 7,341.52 7,360.31 -2,037.30 0.00 452,171.57 768,730.09 32,2432915 -103,46416102 18,000 88.10 179.50 11,555.88 8,076.89 8,076.19 7,441.47 7,560.01 -2,033.84 0.00 452,171.57 768,730.09 3		17,300.00	88.10	179.50	11,508.82	8,018.82	5,842.34	-5,861.19	-2,050.26	0.00	454,416.55	768,719.71	32.24631840	-103.46416357
17,0000 88.10 179.50 11,522.08 8,032.08 6,242.12 6,260.95 2,046.80 0.00 453,016.79 768,725.16 32,24521951 -103,46416286 179,000 88.10 179.50 11,528.72 8,038.72 6,442.01 6,460.84 2,046.08 0.00 453,016.85 768,724.08 32,2445707 -103,46416286 18,000 88.10 179.50 11,528.72 8,038.72 6,442.01 6,460.84 2,046.08 0.00 453,016.01 768,724.89 32,2445707 -103,46416256 18,000 88.10 179.50 11,538.55 8,045.35 6,641.90 4,560.72 2,043.35 0.00 453,017.30 768,725.62 32,2445707 -103,46416256 18,000 88.10 179.50 11,538.56 8,045.35 6,641.90 4,660.72 2,043.35 0.00 453,017.30 768,725.62 32,2445709 -103,46416256 18,000 88.10 179.50 11,538.56 8,045.35 6,641.90 4,660.72 2,043.35 0.00 453,017.30 768,725.62 32,2445709 -103,46416256 18,000 88.10 179.50 11,538.66 8,045.35 6,641.90 4,660.72 2,043.35 0.00 453,017.30 768,725.62 32,2445709 -103,46416256 18,000 88.10 179.50 11,548.80 8,051.98 6,841.79 4,890.54 -2,046.76 0.00 453,417.15 768,726.52 32,245718 -103,46416178 18,000 88.10 179.50 11,548.61 8,058.81 7,041.68 7,060.48 -2,039.89 0.00 453,171.37 768,730.80 22,2432713 -103,46416124 18,000 88.10 179.50 11,558.55 8,065.25 8,065.25 7,241.57 -7,260.37 2,038.16 0.00 453,171.37 768,730.80 22,2432713 -103,46416124 18,000 88.10 179.50 11,558.55 8,066.55 7,341.52 7,260.31 2,039.30 0.00 453,171.33 768,731.80 22,2447701 -103,46416126 18,000 88.10 179.50 11,558.55 8,066.55 7,341.52 7,260.31 2,039.30 0.00 453,171.33 768,731.80 22,2447701 -103,464161026 18,000 88.10 179.50 11,565.19 8,068.56 7,341.52 7,360.31 2,037.30 0.00 452,171.57 768,730.80 22,2447701 -103,464161026 19,000 88.10 179.50 11,565.19 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,171.57 768,730.80 22,2447701 -103,46416105 19,000 88.10 179.50 11,565.19 8,075.19 7,541.57 7,660.31 2,033.34 0.00 452,171.57 768,730.80 22,2447701 -103,46416105 19,000 88.10 179.50 11,565.19 8,008.50 7,341.52 7,360.31 2,033.30 0.00 452,171.57 768,730.80 22,2447701 -103,46416105 19,000 88.10 179.50 11,565.19 8,008.50 7,341.52 7,360.31 2,033.30 0.00 452,171.57 768,730.80 22,2447701 -103,46416105 19,000 88.10 179.50 11,5		17,500.00	88.10	179.50	11,515.45	8,025.45	6,042.23	-6,061.07	-2,048.53	0.00	454,216.67	768,721.44	32.24576895	-103.46416322
17,000.00 88.10 179.50 11,528.72 8,038.72 6,44.201 6,460.84 -2,046.08 0.00 453,161.91 768,726.89 32,24457007 -103.46416255 18,000.00 88.10 179.50 11,535.35 8,045.35 6,641.90 -6,660.72 -2,043.35 0.00 453,171.03 768,726.62 32,2441262 -103.4641625 18,000.00 88.10 179.50 11,536.36 8,045.35 6,641.90 -6,660.72 -2,043.35 0.00 453,617.03 768,726.62 32,2441262 -103.4641625 18,000.00 88.10 179.50 11,536.36 8,045.35 6,641.90 -6,660.72 -2,043.35 0.00 453,617.03 768,726.62 32,2441262 -103.4641621 18,000.00 88.10 179.50 11,536.30 8,055.30 6,641.74 -6,860.50 -2,041.62 0.00 453,417.15 768,726.53 32,243571 -103.46416125 18,000.00 88.10 179.50 11,548.61 8,058.61 7,041.68 -7,060.48 -2,039.89 0.00 453,417.15 768,726.53 32,243571 -103.4641614 18,000.00 88.10 179.50 11,556.25 8,065.25 8,065.25 7,241.57 -7,000.37 -2,038.16 0.00 453,173.3 768,731.80 32,243271 -103.46416126 18,000.00 88.10 179.50 11,556.25 8,065.25 8,065.25 7,241.57 -7,260.37 -2,038.16 0.00 453,173.3 768,731.80 32,243271 -103.46416126 18,000.00 88.10 179.50 11,556.18 8,068.56 7,341.52 -7,260.37 -7,260.37 -2,038.16 0.00 453,173.3 768,731.80 32,24274701 -103.46416036 18,000.00 88.10 179.50 11,565.18 8,076.19 7,541.57 -7,260.37 -2,038.16 0.00 453,173.3 768,731.80 32,24274701 -103.46416036 19,000.00 88.10 179.50 11,565.18 8,075.19 7,541.41 -7,560.19 -2,035.57 0.00 452,177.57 768,730.8 32,241956 -103.46416036 19,000.00 88.10 179.50 11,565.18 8,075.19 7,541.51 -7,660.31 -2,037.30 0.00 452,177.57 768,730.8 32,241956 -103.46416036 19,000.00 88.10 179.50 11,565.18 8,075.19 7,541.51 -7,660.31 -2,037.30 0.00 452,177.57 768,730.8 32,241956 -103.46416036 19,000.00 88.10 179.50 11,565.18 8,075.19 7,541.51 -7,560.31 -2,037.30 0.00 452,177.57 768,730.8 32,241956 -103.46416036 19,000.00 88.10 179.50 11,565.18 8,075.19 7,541.51 -7,560.31 -2,037.30 0.00 452,177.57 768,730.8 32,241956 -103.46416036 19,000.00 88.10 179.50 11,567.8 8,008.8 7,441.6 7,460.25 0.00 452,177.57 768,730.8 32,241956 -103.46416036 19,000.00 88.10 179.50 11,567.8 8,008.8 7,441.6 7,460.25 0.00 452,177.57 768,730.8 32,		17,700.00		179.50	11,522.08	8,032.08	6,242.12	-6,260.95	-2,046.80	0.00	454,016.79	768,723.16	32.24521951	-103.46416286
18,000,00 88.10 179.50 11,532.03 8,042.03 6,541.96 6,560.78 2,044.21 0.00 453,716.97 768,725.67 32,24439534 103,46416233 18,100,00 810 179.50 11,535.55 8,045.35 8,045.35 6,641.90 6,660.72 2,043.35 0.00 453,171.03 768,725.68 22,2443954 103,464161634 18,100,00 810 179.50 11,535.68 8,048.66 6,741.85 6,760.66 2,042.48 0.00 453,171.03 768,725.68 22,2443954 103,464161634 18,100,00 810 179.50 11,545.30 8,055.30 6,941.74 6,960.54 2,040.76 0.00 453,171.15 768,723.85 32,2435714 103,464161634 18,000,00 810 179.50 11,545.30 8,055.30 6,941.74 6,960.54 2,040.76 0.00 453,171.21 768,723.53 32,2435714 103,464161634 18,000,00 810 179.50 11,545.30 8,061.93 7,141.63 7,060.43 2,039.03 0.00 453,171.23 768,730.49 32,2427470 11,03,46416162 18,000,00 810 179.50 11,551.53 8,061.93 7,141.63 7,160.43 2,039.03 0.00 453,171.33 768,730.49 32,2427470 11,03,46416162 18,000,00 810 179.50 11,551.53 8,061.93 7,141.63 7,160.43 2,039.03 0.00 453,171.33 768,730.49 32,2427470 11,03,46416162 18,000,00 810 179.50 11,551.58 8,068.56 7,341.52 7,360.31 2,037.30 0.00 453,171.33 768,730.49 32,2427470 11,03,46416162 18,000,00 810 179.50 11,565.18 8,068.56 7,341.52 7,360.31 2,037.30 0.00 452,171.57 768,730.93 32,2419756 113,4641609 18,000,00 810 179.50 11,565.18 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,171.57 768,730.93 32,2419276 113,4641605 19,000,00 810 179.50 11,565.18 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,171.57 768,730.93 32,2419276 113,4641605 19,000,00 810 179.50 11,565.18 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,171.57 768,730.93 32,2419276 113,4641605 19,000,00 810 179.50 11,565.18 8,075.19 7,541.41 7,560.19 2,033.84 0.00 452,171.57 768,736.93 32,2419276 113,4641605 19,000,00 810 179.50 11,567.81 8,085.18 77,413.0 7,760.07 2,033.84 0.00 452,171.57 768,736.93 32,2419276 113,4641605 19,000,00 810 179.50 11,567.81 8,005.81 8,005.91 8,141.08 8,059.90 2,032.12 0.00 452,171.57 768,736.93 32,2409245 103,4641605 19,000 810 179.50 11,567.81 8,005.91 8,005.09 8,141.08 8,005.09 8,141.08 8,005.09 8,141.08 8,005.09 8,141.08 8,005.09 8,141.08 8,005														
18,200,00 88.10 179.50 11,538.66 8,048.66 6,741.85 6,700.66 2,042.48 0.00 453,617.09 768,727.48 32,24384590 103,46416197 18,000,00 88.10 179.50 11,545.30 8,055.30 6,941.74 6,960.54 2,040.76 0.00 453,417.15 768,728.33 32,2435714 103,46416162 18,000,00 88.10 179.50 11,545.30 8,055.30 6,941.74 6,960.54 2,040.76 0.00 453,417.21 768,720.35 32,2435714 103,46416162 18,000,00 88.10 179.50 11,551.93 8,061.93 7,141.63 7,160.43 2,039.03 0.00 453,117.33 768,739.49 32,2427470 1,03,46416162 18,000,00 88.10 179.50 11,551.55 8,065.25 7,241.57 7,260.37 2,038.16 0.00 453,117.33 768,739.49 32,2427470 1,03,46416162 18,000,00 88.10 179.50 11,551.56 8,068.56 7,341.52 7,360.31 2,037.30 0.00 453,117.33 768,739.49 32,2427470 1,03,46416162 18,000,00 88.10 179.50 11,551.56 8,068.56 7,341.52 7,360.31 2,037.30 0.00 453,117.33 768,731.69 32,2427470 1,03,46416162 18,000,00 88.10 179.50 11,565.18 8,075.19 7,541.15 7,560.19 2,035.57 0.00 452,117.51 768,732.53 32,2419256 1,03,46416050 19,000,00 88.10 179.50 11,565.18 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,117.51 768,733.53 32,2419256 1,03,46416050 19,000,00 88.10 179.50 11,565.18 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,117.51 768,735.83 32,2419256 1,03,46416050 19,000,00 88.10 179.50 11,567.18 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,117.51 768,735.83 32,2419256 1,03,46416050 19,000,00 88.10 179.50 11,567.18 8,085.18 7,741.30 7,760.07 2,033.84 0.00 452,117.57 768,736.93 22,240596 1,03,46416050 19,000,00 88.10 179.50 11,567.18 8,085.18 7,741.30 7,760.07 2,033.84 0.00 452,117.57 768,736.93 22,240596 1,03,46416050 19,000,00 88.10 179.50 11,571.83 8,085.18 7,741.30 7,760.07 2,033.84 0.00 452,117.51 768,735.85 32,2405962 1,03,46416050 19,000,00 88.10 179.50 11,587.86 8,088.46 7,941.19 7,959.96 2,032.12 0.00 452,117.50 768,736.95 32,2405969 1,03,46416050 19,000,00 88.10 179.50 11,587.86 8,088.46 7,941.19 7,959.96 2,032.12 0.00 452,117.50 768,736.95 32,2405969 1,03,46416050 19,000,00 88.10 179.50 11,587.88 8,095.09 8,141.08 8,159.44 2,003.03 0.00 452,117.50 768,736.95 32,2405967 1,03,46		18,000.00	88.10	179.50	11,532.03	8,042.03	6,541.96	-6,560.78	-2,044.21	0.00	453,716.97	768,725.76	32.24439534	-103.46416233
18,00,00 88.10 179.50 11,546.30 8,055.30 6,941.74 6,960.54 2,040.76 0.00 453,317.21 768,730.21 32,24329645 103,46416162   18,000,00 88.10 179.50 11,546.81 8,056.19 7,041.68 7,060.48 2,039.89 0.00 453,117.33 768,731.89 32,2432727 11,034,46146162   18,000,00 88.10 179.50 11,555.55 8,065.25 7,241.57 7,260.37 2,038.16 0.00 453,117.33 768,731.89 32,2427279 11,034,46146162   18,000,00 88.10 179.50 11,558.56 8,068.56 7,341.52 7,360.31 2,037.30 0.00 453,117.33 768,731.89 32,2427279 11,034,46146162   18,000,00 88.10 179.50 11,565.18 8,067.18 8,075.19 7,461.41 7,560.19 2,035.57 0.00 452,117.51 768,735.53 32,2419228 11,034,4616059   19,000,00 88.10 179.50 11,565.19 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,117.53 768,735.62 32,2419756 1103,46146059   19,000,00 88.10 179.50 11,565.19 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,117.53 768,735.62 32,2419740 1103,46146059   19,000,00 88.10 179.50 11,571.83 8,081.83 7,741.30 7,760.07 2,033.84 0.00 452,117.57 768,736.99 32,24029359 1103,46146101   19,000,00 88.10 179.50 11,571.83 8,081.83 7,741.30 7,760.07 2,033.84 0.00 452,117.57 768,736.99 32,24029359 1103,46146101   19,000,00 88.10 179.50 11,571.83 8,081.83 7,741.30 7,760.07 2,033.84 0.00 452,117.57 768,736.99 32,24029359 1103,46146101   19,000,00 88.10 179.50 11,578.18 8,081.83 7,741.19 7,769.07 2,032.12 0.00 452,117.81 768,735.85 32,2405492 103,46146101   19,000,00 88.10 179.50 11,578.46 8,085.46 7,941.19 7,959.96 2,032.12 0.00 452,117.81 768,735.85 32,2405492 103,46145193   19,000,00 88.10 179.50 11,585.09 8,005.09 8,141.08 8,159.84 2,030.39 0.00 452,117.59 768,736.98 32,24054923 103,46145193   19,000,00 88.10 179.50 11,585.09 8,005.09 8,141.08 8,159.84 2,030.39 0.00 452,117.99 768,734.85 32,2405492 103,46145193   19,000,00 88.10 179.50 11,585.18 8,005.09 8,141.08 8,159.84 2,030.39 0.00 452,117.99 768,734.85 32,2405492 103,46145193   19,000,00 88.10 179.50 11,585.18 8,005.09 8,141.08 8,159.84 2,030.39 0.00 452,117.99 768,734.85 32,2405492 103,46145193   19,000,00 88.10 179.50 11,585.18 8,005.09 8,141.08 8,159.84 2,030		18,200.00	88.10	179.50	11,538.66	8,048.66	6,741.85	-6,760.66	-2,042.48	0.00	453,517.09	768,727.48	32.24384590	-103.46416197
18,000,00 88.10 179.50 11,555.55 8,068.25 7,241.57 7,260.37 2,003.10 0,00 453,117.33 768,73.04 32,2427270 1-03,346146102 18,000,00 88.10 179.50 11,555.55 8,068.25 7,241.57 7,260.37 2,003.16 0,00 453,017.35 768,73.63 32,2427227 1-03,346146103 18,000,00 88.10 179.50 11,568.16 8,068.56 7,341.52 7,360.31 2,003.73 0,00 452,017.55 768,735.53 32,2419226 1-03,34614609 19,000,00 88.10 179.50 11,568.19 8,075.19 7,541.41 7,560.19 2,003.57 0,00 452,177.57 768,734.03 32,24164812 1-03,34614609 19,000,00 88.10 179.50 11,568.19 8,075.19 7,541.41 7,560.19 2,003.57 0,00 452,177.57 768,734.03 32,24164812 1-03,34614605 19,000,00 88.10 179.50 11,571.83 8,081.83 7,741.30 7,760.07 2,003.84 0,00 452,177.57 768,736.93 22,2402936 1-03,34614601 19,000,00 88.10 179.50 11,571.83 8,081.83 7,741.30 7,760.07 2,003.84 0,00 452,177.57 768,736.93 22,2402936 1-03,34614601 19,000,00 88.10 179.50 11,571.83 8,081.83 7,741.30 7,760.07 2,003.84 0,00 452,177.57 768,736.93 22,2402936 1-03,34614601 19,000,00 88.10 179.50 11,571.83 8,081.83 7,741.19 7,780.07 2,003.84 0,00 452,177.57 768,736.93 22,2402936 1-03,34614601 19,000,00 88.10 179.50 11,571.86 8,088.46 7,941.19 7,989.96 2,002.12 0,00 452,171.87 768,736.93 22,2402936 1-03,34614598 19,000,00 88.10 179.50 11,585.19 8,095.09 8,141.08 8,095.09 8,141.08 8,095.09 8,141.08 8,095.09 8,141.08 8,199.44 2,003.09 0,00 452,171.97 768,736.93 22,2402936 1-03,34614598 19,000,00 88.10 179.50 11,585.19 8,095.09 8,141.08 8,199.44 2,003.09 0,00 452,171.97 768,736.93 22,2402936 1-03,34614598 19,000,00 88.10 179.50 11,581.54 8,095.09 8,141.08 8,199.44 2,003.09 0,00 452,171.97 768,736.93 22,2402936 1-03,34614598 19,000 88.10 179.50 11,581.54 8,095.09 8,141.08 8,199.44 2,003.09 0,00 452,171.97 768,736.93 22,2402936 1-03,34614598 19,000 88.10 179.50 11,581.54 8,095.09 8,141.08 8,199.44 2,003.09 0,00 452,171.97 768,736.93 22,2402936 1-03,34614598 19,000 88.10 179.50 11,581.54 8,095.09 8,141.08 8,199.44 2,003.09 0,00 452,171.97 768,736.93 22,2402936 1-03,34614598 19,000 8,100 8,100 8,100 8,100 8,100 8,100 8,100 8,100 8,100 8,		18,400.00	88.10	179.50	11,545.30	8,055.30	6,941.74	-6,960.54	-2,040.76	0.00	453,317.21	768,729.21	32.24329645	-103.46416162
18,700,00 88,10 179,50 11,555,25 8,068,25 7,241,57 7,260,37 2,033,16 0,00 453,017,39 768,731,80 32,24247229 -103,46416108 18,800,00 88,10 179,50 11,555,56 8,068,55 7,241,57 7,380,31 2,2037,30 0,00 452,017,57 768,731,80 32,24247229 -103,46416108 18,900,00 88,10 179,50 11,561,88 8,071,88 7,441,46 7,460,25 2,036,44 0,00 452,817,51 768,733,53 32,24192284 -103,46416073 19,000,00 88,10 179,50 11,561,89 8,076,51 7,641,35 7,660,13 2,035,75 0,00 452,817,57 768,738,03 32,24182284 -103,46416073 19,000,00 88,10 179,50 11,561,81 8,076,51 7,641,35 7,660,13 2,035,77 0,00 452,817,57 768,738,53 32,24187340 -103,46416037 19,300,00 88,10 179,50 11,567,14 8,085,14 7,441,26 7,460,10 2,032,98 0,00 452,817,63 768,738,59 32,2409588 -103,46416019 19,400,00 88,10 179,50 11,578,46 8,088,46 7,941,19 7,599,96 2,031,25 0,00 452,817,75 768,738,99 32,2409588 -103,46416031 19,400,00 88,10 179,50 11,587,88 8,098,96 8,141,19 7,599,96 2,031,25 0,00 452,817,81 768,738,99 32,24095828 -103,4641508 19,500,00 88,10 179,50 11,587,78 8,098,50 8,141,08 8,041,31 8,098,90 9,00 452,817,81 768,738,83 32,2405422 -103,46415988 19,400,00 88,10 179,50 11,585,78 8,098,90 8,141,08 8,159,84 2,003,39 0,00 452,817,91 768,738,58 32,2405422 -103,4641598 19,400,00 88,10 179,50 11,585,78 8,098,90 8,141,08 8,159,84 2,003,39 0,00 452,817,92 768,738,58 32,2405422 -103,4641598 19,400,40 1		18,600.00		179.50	11,551.93	8,061.93	7,141.63	-7,160.43	-2,039.03	0.00	453,117.33	768,730.94	32.24274701	-103.46416126
18,900.00 88.10 179.50 11,561.88 8,071.88 7,441.46 7,460.25 2,036.44 0.00 452,817.51 768,733.53 32,24192284 -103.46416072 19.000 88.10 179.50 11,565.19 8,075.19 7,541.41 7,560.19 2,035.57 0.00 452,817.57 768,734.53 32,24192284 -103.46416073 19.000 88.10 179.50 11,568.51 8,078.51 7,641.35 7,660.13 2,036.47 0.00 452,617.57 768,736.53 32,24193284 -103.46416037 19.200.00 88.10 179.50 11,571.43 8,081.83 7,741.30 7,760.01 2,033.84 0.00 452,617.63 768,736.52 32,24193284 -103.46416037 19.400.00 88.10 179.50 11,571.44 8,085.14 7,441.24 7,600.01 2,033.24 0.00 452,617.69 768,736.52 32,24193284 -103.46416037 19.400.00 88.10 179.50 11,573.46 8,086.46 7,941.19 7,959.96 2,033.21 0.00 452,417.57 768,736.99 32,2402385 -103.46416038 19.400.00 88.10 179.50 11,587.8 8,098.64 7,941.19 7,959.96 2,031.25 0.00 452,417.65 768,736.99 32,2402385 -103.46415983 19.000 88.10 179.50 11,585.78 8,098.59 8,141.08 8,1098.49 2,033.39 0.00 452,17.81 768,736.85 32,2405423 -103.46415983 19.000 88.10 179.50 11,586.41 8,098.50 8,141.08 8,159.84 2,030.39 0.00 452,17.95 768,736.85 32,2405423 -103.46415983 19.000 88.10 179.50 11,589.41 8,098.50 8,141.08 8,159.84 2,030.39 0.00 452,17.95 768,736.85 32,2405423 -103.46415983 19.000 88.10 179.50 11,589.41 8,098.50 8,141.08 8,159.84 2,030.39 0.00 452,17.95 768,736.85 32,2405423 -103.46415984 19.000 88.10 179.50 11,589.51 8,098.59 8,141.08 8,159.84 2,038.53 4 2,038.72 0.00 452,17.95 768,736.58 32,2405423 -103.46415984 19.000 88.10 179.50 11,589.51 8,098.59 8,343.59 8,353.34 2,038.72 0.00 452,17.95 768,745.53 22,3405473 -103.46415984 19.000 88.10 179.50 11,591.51 8,304.59 8,353.34 2,038.72 0.00 452,17.98 768,740.45 32,2395678 -103.46415918 19.000 88.10 179.50 11,591.51 8,304.59 8,389.37 2,038.73 0.00 452,17.98 768,740.45 32,2395678 -103.46415918 19.000 88.10 179.50 11,591.51 8,304.59 8,389.37 2,038.73 0.00 452,17.98 768,740.45 32,2395678 -103.46415918 19.000 88.10 179.50 11,591.51 8,304.59 8,389.37 2,038.73 0.00 452,17.98 768,740.45 32,2395678 -103.46415918 19.000 88.10 179.50 11,591.51 8,304.59 8,389.37 2,038.7		18,700.00	88.10	179.50	11,555.25	8,065.25	7,241.57	-7,260.37	-2,038.16	0.00	453,017.39	768,731.80	32.24247229	-103.46416108
19,0000 88.10 179.50 11,568.51 8,078.51 7,641.35 7,660.13 2,034.71 0.00 452,617.63 768,735.26 32,24137340 103,46416037 19.000 88.10 179.50 11,578.14 8,085.14 7,841.24 7,860.01 2,033.84 0.00 452,617.65 768,738.72 32,24107840 103,46416037 19.000 19.000 88.10 179.50 11,578.14 8,085.14 7,841.24 7,860.01 2,032.98 0.00 452,417.75 768,738.93 32,24062395 103,46416001 19.000 88.10 179.50 11,578.46 8,088.16 7,941.19 7,959.96 2,032.12 0.00 452,417.75 768,738.57 32,24062395 103,46415001 19.000 88.10 179.50 11,581.78 8,091.78 8,041.13 8,089.96 2,032.12 0.00 452,17.81 768,737.85 32,24062395 103,46415001 19.000 88.10 179.50 11,585.09 8,095.09 8,141.08 8,159.94 2,033.95 0.00 452,17.86 768,738.72 32,24062451 -103,46415963 19.000 88.10 179.50 11,588.41 8,098.41 8,241.02 8,259.78 0.00 452,17.95 768,736.87 32,24062451 -103,46415963 19.000 88.10 179.50 11,589.41 8,098.10 8,241.02 8,259.78 0.00 452,17.95 768,736.87 32,24062451 -103,46415963 19.000 88.10 179.50 11,591.51 8,344.59 8,359.74 2,028.50 0.00 452,17.95 768,746.45 32,2397606 103,46415913 19.0000 88.10 179.50 11,591.51 8,344.59 8,359.74 2,028.50 0.00 452,17.95 768,746.45 32,2397607 103,46415913 19.0000 88.10 179.50 11,591.51 8,345.95 8,349.97 8,359.74 2,028.50 0.00 452,17.95 768,746.45 32,2397607 103,46415913 19.0000 88.10 179.50 11,591.51 8,345.95 8,349.97 8,359.74 2,028.60 0.00 451,946.04 768,741.25 32,23946787 103,46415913 19.0000 88.10 179.50 11,591.51 8,346.59 8,349.97 8,359.74 2,028.60 0.00 451,946.04 768,741.25 32,23946787 103,46415913 19.0000 88.10 179.50 11,591.51 8,346.59 8,349.97 8,359.74 2,028.60 0.00 451,946.04 768,741.35 32,23946787 103,46415913 19.0000 88.10 179.50 11,591.51 8,340.57 8,340.57 8,349.57 2,028.60 0.00 451,946.04 768,741.35 32,23946787 103,46415913 19.0000 88.10 179.50 11,591.51 8,340.57 8,340.57 8,349.57 2,028.60 0.00 451,946.04 768,741.35 32,23946787 103,46415913 19.0000 88.10 179.50 11,591.51 8,340.57 8,340.57 8,340.57 2,028.60 0.00 451,946.04 768,741.35 32,3394678 103,46415913 19.0000 88.10 179.50 11,591.51 8,340.57 8,340.57 8,340.57 8,340.57 8		18,900.00	88.10	179.50	11,561.88	8,071.88	7,441.46	-7,460.25	-2,036.44	0.00	452,817.51	768,733.53	32.24192284	-103.46416073
19,300,00 88.10 179.50 11,575.14 8,085.14 7,841.24 7,860.01 -2,022.98 0.00 452,417.75 768,78.99 32,24062395 -103,46416001 19,400,00 88.10 179.50 11,578.14 8,085.14 7,941.19 -7,959.06 -2,032.12 0.00 452,417.57 768,78.97 32,24062395 -103,46416001 19,500,00 88.10 179.50 11,581.78 8,091.78 8,041.13 8,059.09 -2,031.25 0.00 452,17.86 768,738.72 32,24027451 -103,46415966 19,500,00 88.10 179.50 11,585.09 8,095.09 8,141.08 8,159.44 -2,030.39 0.00 452,17.96 768,738.72 32,24027451 -103,46415966 19,000 88.10 179.50 11,585.41 8,098.14 8,141.08 8,159.44 -2,030.39 0.00 452,17.92 768,738.58 32,23999979 -103,46415946 19,000 19,		19,100.00	88.10	179.50	11,568.51	8,078.51	7,641.35	-7,660.13	-2,034.71	0.00	452,617.63	768,735.26	32.24137340	-103.46416037
19,400,00 88.10 179.50 11,578.46 8,088.46 7,941.19 7,959.96 2,032.12 0.00 452,317.81 768,737.85 32.24054923 103.46415982 195.000 195.0		19,300.00	88.10	179.50	11,575.14	8,085.14	7,841.24	-7,860.01	-2,032.98	0.00	452,417.75	768,736.99	32.24082395	-103.46416001
19,600,00 88.10 179.50 11,585.09 8,096.09 8,141.08 8,159.84 2,030.39 0.00 452,177.92 768,739.58 32,23999979 103,46415934 19,700,00 88.10 179.50 11,588.41 8,098.41 8,241.02 8,259.75 0.00 452,071.93 768,740.44 32,2397,250 103,46415934 10,700,00 10,					11,578.46			-7,959.96		0.00 0.00	452,317.81	768,737.85	32.24054923	-103.46415983
ITP Cross 19,793.62 88.10 179.50 11,591.51 8,101.51 8,334.59 8,353.34 -2,028.72 0.00 451,924.42 768,741.25 32.23946787 -103.46415913 19,900.00 88.10 179.50 11,591.72 8,101.72 8,340.97 -8,359.72 -2,028.66 0.00 451,918.04 768,741.31 32.23945034 -103.46415913		19,600.00	88.10	179.50	11,585.09	8,095.09	8,141.08	-8,159.84	-2,030.39	0.00	452,117.92	768,739.58	32.23999979	-103.46415948
2N 34 3 State Com No. 616H BHL 19,686.60 88.10 179.50 11,594.00 8,104.00 8,409.53 -8,428.29 -2,028.07 0.00 451,494.4 768,741.90 32,23926194 -103.4415912	LTP Cross	19,793.62	88.10	179.50	11,591.51	8,101.51	8,334.59	-8,353.34	-2,028.72	0.00	451,924.42	768,741.25	32.23946787	-103.46415913
	ZN 34 3 State Com No. 616H BHL											768,741.90	32.23926187	-103.46415900

Survey Type: Def Plan

Survey Error Model: WPTS Rev 0.

Comments	MD (ft)	inci (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude	
Description		Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size Casing (in)	Diameter (in)	Expected Max Inclination (deg)	Survey Tool Coo	ie	Vendor / To	ol	Borehole / Survey	
		1	0.000	23,179.310	1/100.000 25	- 8.75 - 6.125 9.625 -	7 – 6.125	B00	01Mb_MWD+HRGM			Zt	N 34 3 State Com No. 616H	/ ZN 34 3 State Con
EOU Geometry:														
End MD (ft)		Hole Size (in	)	Casing Siz	e (in)		Name							
918.368		17.500		13.375	5									
4,491.730		12.250		9.625										
8,611.085		8.750		7.000										
19,868.605		6.125												

#### State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

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

#### NATURAL GAS MANAGEMENT PLAN

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

# Section 1 – Plan Description Effective May 25, 2021

I. Operator:Chevron USA	Inc		OGRID: <u>4323</u>	<u> </u>	Date: _ <u>_05</u> /_28/_	2025		
II. Type: ⊠ Original □ Amendment due to □ 19.15.27.9.D(6)(a) NMAC □ 19.15.27.9.D(6)(b) NMAC □ Other.  If Other, please describe:								
<b>III.</b> Well(s): Provide the folloto be recompleted from a single					proposed to be d	rilled or proposed		
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D		
ZN 34 3 STATE COM 416H	Pending	UL-F Sec 34 23S 34E	2119'FNL 2635' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D		
ZN 34 3 STATE COM 417H	Pending	UL-G Sec 34 23S 34E	2119'FNL 2604' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D		
ZN 34 3 STATE COM 418H	Pending	UL-G Sec 34 23S 34E	2120'FNL 2564' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D		
ZN 34 3 STATE COM 616H	Pending	UL-G Sec 34 23S 34E	2119'FNL 2624' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D		
ZN 34 3 STATE COM 617H	Pending	UL-G Sec 34 23S 34E	2120'FNL 2584' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D		
ZN 34 3 STATE COM 618H	Pending	UL G Sec 34 23S 34E	2120'FNL 2544' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D		

IV. Central Delivery Point Name: Central Tank Battery 34 [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached	Completion	Initial Flow	First Production
			Date	Commencement	Back Date	Date
				Date		
ZN 34 3 STATE COM 416H	Pending	11/21/2027	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
ZN 34 3 STATE COM 417H	Pending	11/21/2027	N/A	N/A	N/A	<u>N/A</u>
ZN 34 3 STATE COM 418H	Pending	11/21/2027	N/A	N/A	N/A	N/A
ZN 34 3 STATE COM 616H	Pending	11/21/2027	N/A	N/A	N/A	<u>N/A</u>
ZN 34 3 STATE COM 617H	Pending	11/21/2027	N/A	N/A	N/A	N/A
ZN 34 3 STATE COM 618H	Pending	11/21/2027	N/A	N/A	N/A	N/A

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

VII. Operational Practices: ⊠ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: 

Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

#### Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

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

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

#### IX. Anticipated Natural Gas Production:

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

#### X. Natural Gas Gathering System (NGGS):

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

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

XII.	Line Capacit	y. The natural	gas gathering	system $\square$	] will □ wil	l not have	capacity to	gather	100% of the	anticipated	natural	gas
prod	luction volume	from the well	prior to the da	te of first	production.							

XIII.	Line Pi	ressure.	Operator	□ does □	does no	t anticipa	ate that its	s existing	well(s)	connected	to the	same se	gment,	or portion	, of the
natura	al gas ga	athering	system(s)	described	above w	ill contin	ue to me	et anticipa	ated incre	eases in li	ne pres	sure cau	used by	the new w	vell(s).

ı	Ш.	Attacl	h (	Operator	's ɒ	lan to	o manage	product	ion in	respons	e to 1	he in	creased	line 1	oressure

XIV. Conf	fidentiality: 🗆 Operator asser	ts confidentiality pursua	nt to Section	71-2-8 NMSA	1978 for the	information	provided in
Section 2 as	s provided in Paragraph (2) of	Subsection D of 19.15.27	.9 NMAC, an	d attaches a full	description of	the specific	information
for which c	confidentiality is asserted and the	ne basis for such assertion	n.				

(i)

# Section 3 - Certifications Effective May 25, 2021

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

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

#### **Section 4 - Notices**

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

other alternative beneficial uses approved by the division.

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

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

Signature:	ndy Herrera-Murillo
Printed Name:	Cindy Herrera-Murillo Cindy Herrera-Murillo
Title:	Sr HSE Regulatory affairs Coordinator
E-mail Address:	CHerreraMurillo@chevron.com
Date:	5/28/2025
Phone:	575-263-0431
	OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:	
Title:	
Approval Date:	
Conditions of App	oroval:

#### VI. Separation Equipment:

Separation equipment installed at each Chevron facility is designed for maximum anticipated throughput and pressure to minimize waste. Separation equipment is designed and built according to ASME Sec VIII Div I to ensure gas is separated from liquid streams according to projected production.

#### VII./VIII. Operational & Best Management Practices:

- 1. General Requirements for Venting and Flaring of Natural Gas:
  - In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
  - Chevron installs and operates vapor recovery units (VRUs) in new facilities to minimize venting and flaring.
     If a VRU experiences operating issues, it is quickly assessed so that action can be taken to return the VRU to operation or, if necessary, facilities are shut-in to reduce the venting or flaring of natural gas.

#### 2. During Drilling Operations:

- Flare stacks will be located a minimum of 110 feet from the nearest surface hole location.
- If an emergency or malfunction occurs, gas will be flared or vented to avoid a risk of an immediate and substantial adverse impact on public health, safety or the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Natural gas is captured or combusted if technically feasible using best industry practices and control technologies, such as the use of separators (e.g., Sand Commanders) during normal drilling and completions operations.

#### 3. During Completions:

- Chevron typically does not complete traditional flowback, instead Chevron will flow produced oil, water, and gas to a centralized tank battery and continuously recover salable quality gas. If Chevron completes traditional flowback, Chevron conducts reduced emission completions as required by 40 CFR 60.5375a by routing gas to a gas flow line as soon as practicable once there is enough gas to operate a separator.
   Venting does not occur once there is enough gas to operate a separator
- Normally, during completions a flare is not on-site. A Snubbing Unit will have a flare on-site, and the flare volume will be estimated.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.

#### 4. During Production:

- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.
- Monitor manual liquid unloading for wells on-site, takes all reasonable actions to achieve a stabilized rate
  and pressure at the earliest practical time and takes reasonable actions to minimize venting to the
  maximum extent practicable.
- In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting
  of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or
  the environment.
- Chevron's design for new facilities utilizes air-activated pneumatic controllers and pumps.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.
- Chevron does not produce oil or gas until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.

#### 5. Performance Standards

- Equipment installed at each facility is designed for maximum anticipated throughput and pressure to minimize waste. Tank pressure relief systems utilize a soft seated or metal seated PSVs, as appropriate, which are both designed to not leak.
- Flare stack has been designed for proper size and combustion efficiency. New flares will have a
  continuous pilot and will be located at least 100 feet from the well and storage tanks and will be securely
  anchored.
- New tanks will be equipped with an automatic gauging system.
- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and
  facilities to confirm that all production equipment is operating properly and there are no leaks or releases
  except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells
  and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will
  be available upon request by the division.

#### 6. Measurement or Estimation of Vented and Flared Natural Gas

- Chevron estimates or measures the volume of natural gas that is vented, flared, or beneficially used during drilling, operations, regardless of the reason or authorization for such venting or flaring.
- Where technically practicable, Chevron will install meters on flares installed after May 25, 2021. Meters
  will conform to industry standards. Bypassing the meter will only occur for inspecting and servicing of the
  meter.



# 1 Intermediate 1 Casing Design

Section	12.25 in
Description	10.75", 40.5#, J55, BTC, MCBU
Casing Type	Casing
From (ft)	28.00
To (ft)	5121.01
Weight (lbm/ft)	40.50
Grade	J55
Connection	BTC
BTC Torque	Unknown
Nominal OD (in)	10.750
Nominal ID (in)	10.050
Drift (in)	9.894
Coupling OD (in)	11.750
Body Burst Rating (psi)	3130.00
Body Collapse Rating (psi)	1580.00
Body Tension Rating (lbf)	629000.00
Body Compression Rating (lbf)	629000.00
Connection Burst Rating (psi)	3130.00
Connection Collapse Rating (psi)	1580.00
Connection Tension Rating (lbf)	700000.00
Connection Compression Rating (lbf)	628000.00

Note: Any casing weight, grade or connection with higher performance ratings than components used for this analysis may be utilized. Ensure casing connection operating torque limit is sufficient for casing rotation and meets BLM clearance requirement (0.422 inches on all sides in the hole/casing annulus), if applicable.

Drilling Lo	Drilling Load Case Assumptions									
Casing - 1	Casing - 10.75", 40.5#, J55, BTC, MCBU									
	Internal Pressure Profile External Pressure Profile									
Burst	1) Pressure test to 2,000 psi w/ 8.4 ppg MW 2) MASP of 670 psi connected linearly to frac gradient at shoe.	1) Pore Pressure								
Collapse	1) Fixed mud drop at 2000' w/ 8.4 ppg min MW for next hole section. 2) Initial Conditions – Cementing w/ 8.4 ppg displacement fluid density.	1) 10.50 lbm/gal Max MW at TD 2) 10.00 lbm/gal at TD, Spacer, Cement								
Axial	1) Casing weight, 8.4 ppg displacement fluid + 100 kips Overpull	1) 10.00 lbm/gal at TD, Spacer, Cement								

#### **Casing Design Factors**

String Type	Burst	Collapse	Tension	Compression	Von Mises	Connection Envelope (VME)
Casing/Liner/Tieback						

<sup>1</sup> Intermediate 1 Casing Design



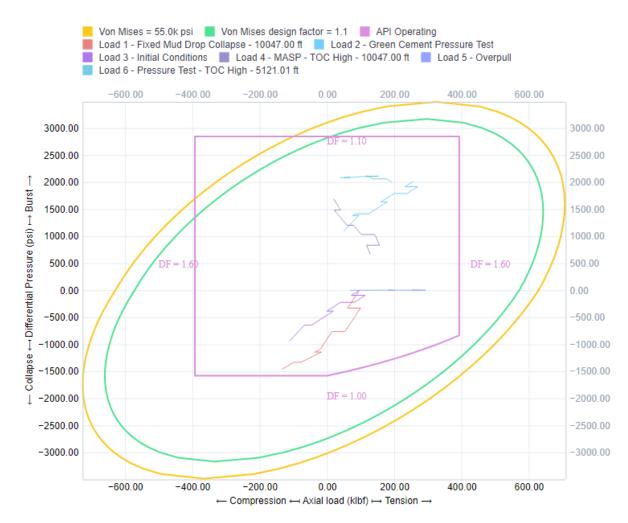
String Body	1.100	1.000	1.300	1.300	1.100	N/A
Non-API Connection	1.100	1.000	1.300	1.300	N/A	1.000
API Connection	1.100	1.000	1.600	1.600	N/A	1.000

#### Casing Design Results Summary

Section (Type)	String	Burst	Collapse	Tension	Compression	Von Mises	Buckling (deg/100ft)	Connection Envelope (VME)
12.25" (Casing)	10.75", 40.5#, J55, BTC, MCBU	1.481	1.088	2.143	C 4.717	1.600	1.500	N/A

#### Casing Design Results Detailed

Section (Type)	String	Load Case	Burst	Collapse	Tension	Compression	Von Mises	Buckling (deg/100ft)	Connection Envelope (VME)
12.25'' (Casing)	10.75", 40.5#, J55, BTC, MCBU	Fixed Mud Drop Collapse - 10047.00 ft		1.088	6.132	C 4.717	2.386	1.500	N/A
12.25'' (Casing)	10.75", 40.5#, J55, BTC, MCBU	MASP - TOC High - 10047.00 ft	1.860		3.964		1.964	1.500	N/A
12.25'' (Casing)	10.75", 40.5#, J55, BTC, MCBU	Pressure Test - TOC High - 5121.01 ft	1.481		2.899		1.600	1.500	N/A
12.25'' (Casing)	10.75", 40.5#, J55, BTC, MCBU	Green Cement Pressure Test	1.560		2.303		1.718	1.500	N/A
12.25'' (Casing)	10.75", 40.5#, J55, BTC, MCBU	Overpull			2.143		2.117	1.500	N/A
12.25'' (Casing)	10.75", 40.5#, J55, BTC, MCBU	Initial Conditions		1.697	5.542	C 5.671	3.743	1.500	N/A



CASING TRIAXIAL: 10.75", 40.5#, J55, BTC, MCBU (28 - 5121.01 ft)

# Pad Summary: ZN Pad 11

The table below lists all the wells for the given pad and their respective name and TVD's (ft) for their production target intervals:

Well Name(s)	Target TVD	Formation Desc.
ZN 34 3 State Com 416H	10,600	Bonespring
ZN 34 3 State Com 417H	10,617	Bonespring
ZN 34 3 State Com 418H	10,635	Bonespring
ZN 34 3 State Com 616H	11,594	Wolfcamp A
ZN 34 3 State Com 617H	11,619	Wolfcamp A
ZN 34 3 State Com 618H	11,646	Wolfcamp A

# 1. **GEOLOGICAL TOPS**

Elevation: As seen in C-102

The estimated tops of important geologic markers are as follows:

FORMATION	LITHOLOGIES	TVD	MD	Producing Formation?
Rustler (RSLR)□	Sandstone	952	953	No
Saldo (SLDO)□	Anhydrite/Salt	1,324	1,328	No
Castile (CSTL)□	Anhydrite/Salt	3,473	3,567	No
Lamar (LMAR)□	Limestone/Shale	5,073	5,237	No
Bell Canyon (BEL)□	Sandstone/Limestone	5,119	5,285	No
Cherry Canyon (CHR)□	Sandstone/Siltstone	5,934	6,136	No
Brushy Canyon (BCN)□	Shale/Siltstone	7,310	7,572	No
Bone Spring Lime (BSL)□	Sandstone/Limestone	8,589	8,867	No
Upper Avalon (AVU)□	Shale	8,718	8,996	No
Lower Avalon (AVL)□	Shale	9,001	9,279	No
First Bone Spring Upper (FBU)□	Shale	9,666	9,944	No
First Bone Spring Lower (FBL)□	Shale	9,899	10,177	No
Second Bone Spring Upper (SBU)□	Shale	10,194	10,472	No
Second Bone Spring Lower (SBL)□	Shale	10,531	10,809	No
Third Bone Spring (TBS)□	Shale	11,009	11,310	No
Wolfcamp A (WCA)□	Shale	11,271	11,720	Yes: Oil & Natural Gas

WELLBORE LOCATIONS	MD	TVD
SHL	-	ı
KOP	10,895	10,617
FTP	11,998	11,333
LTP	19,794	11,592
BHL	19,869	11,594

#### 2. **BOP EQUIPMENT AND TESTING**

Rating Depth 11,594 TVD

#### Equipment

Chevron will have a minimum of a 5,000 psi rig stack for drill out below surface casing and a 10,000 psi rig stack for drilling the production hole section. See attached proposed schematics and 10,000 PSI Annular BOP Variance Request.

# Request Variance: Yes Variance Request(s)

Chevron respectfully request to vary from the 43 CFR 3172 where it states: "(A full BOP Test) shall be performed: when initially installed and whenever any seal subject to test pressure is broken." We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250 psi low / ≥ 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A full BOP test will be completed prior to drilling the production lateral sections unless the BOP connection was not broken prior to drilling that hole section (example: drilling straight from production into production liner hole section). A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized.

Chevron respectfully requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nippled up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party.

Chevron respectfully requests a variance from the 0.422" annular clearance requirement per 43 CFR3172 for the intermediate 1 (salt) section under the following condition:

1. Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing connection OD for the first 500' of overlap between both strings.

#### **Testing Procedure**

The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, production, and production liner will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise (see variance request). Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test pressures and other documented tests may be recorded and documented via utilization of the Digital BOP Test Method in lieu of the standard test chart. In the event the digital system is unavailable, the standard test chart will be used.

#### 3. CASING PROGRAM

a. The proposed PRIMARY casing program will be as follows:

a. The propos	CU I I I I I I I I I I I I I I I I I I I	i casing pro	gram will be as	o ioliows.					
Purpose	Top (MD)	Top (TVD)	Bot (MD)	Bot (TVD)	Hole Size	Csg Size	Weight	Grade	Thread
Surface	0'	0'	1,030'	1,030'	17.5"	13.375"	54.5 #	J-55	BTC
Intermediate 1	0'	0'	5,217'	5,053'	12.25"	10.75"	40.5 #	J-55	BTC
Intermediate 2	0'	0'	10,895'	10,617'	9.875"	7.625"	29.7 #	P-110ICY	W441
Production Liner	10,695'	10,417'	19,869'	11,594'	6.75"	5.5"	20.0 #	P110	W421

Surface casing set below magenta dolomite and above top of salt (25 ft below los medanos)

- b. All casing strings will be new pipe.
- c. Casing design depths subject to revision based on directional drilling and geologic conditions encountered.
- Chevon will keep intermediate casing fluid filled at all times and while RIH. Chevron will check casing at a minimum of every 20 jts (~840'), and never to d. surpass 1/3 of casing, while running intermediate casing in order to maintain collapse SF.

Casing String	Min SF Collapse	Min SF Burst	Min SF Axial (Joint)	Min SF Axial (Body)
Surface	2.11	1.80	16.19	15.20
Intermediate 1		Refer to attached casing	g design load analysis	
Intermediate 2	1.33	2.09	2.54	3.39
Production Liner	1.42	2.39	2.25	2.76

DRILLING PLAN PAGE: 3

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Chevron ZN 34 3 State Com 616H Lea County, NM

# 4. **CEMENTING PROGRAM**

Slurry	Туре	Тор	Bottom	Quantity	Yield	Density	%Excess	Volume	Additives
Surface Casing 13-3/8"				(sks)	(cuft/sk)	(ppg)		(cuft)	
Lead	Class C	0'	530'	91	2.29	12.8	25	208	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	530'	1,030'	663	1.35	14.8	25	894	Extender, Antifoam, Retarder, Viscosifier
Intermediate 1 Casing 1	0-3/4"								
	T		Planned	single stage ce	ment job				
Lead	Class C	0'	4,217'	392	2.29	11.5	25	898	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	4,217'	5,217'	175	1.63	12.6	25	285	Extender, Antifoam, Retarder, Viscosifier
			Con	ntingency: Top	Job	•			
1st Tail	Class C	0'	4,217'	928	1.35	14.8	25	1253	Extender, Antifoam, Retarder, Viscosifier
Intermediate 2 Casing 7	<u>'-5/8"</u>					!			
			Planned	single stage ce	ment job				
Lead	Class C	0'	9,895'	703	3.52	10.5	25	2476	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	9,895'	10,895'	192	1.52	12.6	25	292	Extender, Antifoam, Retarder, Viscosifier
			Con	tingency: Top	Job				
1st Tail	Class C	0'	7,895'	1709	1.35	14.8	25	2307	Extender, Antifoam, Retarder, Viscosifier
Production Liner 5.5						-			
Lead	Class H	10,695'	19,869'	630	1.52	12.6	25	958	Extender, Antifoam, Retarder, Viscosifier

Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.

#### 5. MUD PROGRAM

Тор	Bottom	Туре	Min MW	Max MW at TD	Additional Charactistics
0'	1,030'	Spud Mud	8.3	10.0	
1,030'	5,217'	Brine	8.3	10.0	Saturated brine would be used through salt sections.
5,217'	10,895'	WBM/Brine	8.7	10.0	
10,895'	19,869'	ОВМ	9.0	13.0	Due to wellbore instability in the lateral, may exceed the MW window needed to maintain overburden stresses

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transportating of E&P waste will follow EPA regulations and accompanying manifests.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

#### 6. TESTING, LOGGING, AND CORING

- a. Production tests are not planned.
- b. Logs run include: Gamma Ray Log, Directional Survey
   Exemption to forego acquiring a neutron log approved by C. Armistead (BLM) on 03/11/2025
- c. Coring Operations are not planned.

#### 7. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

Anticipated BHP Anticipated BHT Anticipated abnormal pressures?	7,838 psi 202 °F Yes
Describe abnormal pressures	
	Pressure ramp begins in the bottom of the Third Bone Spring formation
Contingency plan(s) description:	- Casing design accounts for pressure ramp
	- Mud weighting agents available on location to increase drilling fluid density
	- BOP, choke, and well control drills - BOP functioned and pressure tested
	- DOF fullctioned and pressure tested

Hydrogen sulfide gas is not anticipated: However the H2S Contingency plan is attached with this APD in the event that H2S is encountered

#### 8. OTHER ITEMS

- a. Batch drilling will be employed whereby the drilling rig may drill a specific hole section on all wells prior to moving to the next hole section.
- b. Shallow rig may be utilized to drill surface or intermediate sections. The production section will not be drilled by the shallow rig.
- c. **Wait on cement** duration for surface and intermediate string(s) will be based on time for tail slurry to develop 500 psi compressive strength and will follow rules as laid out in 43 CFR 3172
- d. Offline cementing will be employed on the hole sections that run a long string casing to surface. Offline cementing schematic below.