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

Sundry Print Report

02/14/2024

Well Name: Cicada Unit

Well Location: T25S / R27E / SEC 35 / NENW / 32.093203 / -104.162472

County or Parish/State: EDDY / NM

Well Number: 71H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM107369

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549686

Well Status: Drilling Well

Operator: CHEVRON USA INCORPORATED

Notice of Intent

Sundry ID: 2736461

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 06/19/2023

Time Sundry Submitted: 11:10

Date proposed operation will begin: 06/14/2023

Procedure Description: CHEVRON REQUESTS THE FOLLOWING: CHANGE WELL NAME / NUMBER FROM TITO 26 23 FED STATE COM 25 3H TO CICADA UNIT 71H (API # 30-015-49686) CHANGE SURFACE LOCATION FROM 262' FNL / 2032' FWL TO 340' FNL / 2040' FWL PLEASE SEE ATTACHED C-102; DRILLING PLAN; DIRECTION SURVEY

NOI Attachments

Procedure Description

DefPlan100ft_Cicada71H_R2_20230619111029.pdf

CICADA_UNIT_71H___9P_20230619110712.pdf

CICADA_UNIT_71H_SIGNED_C_102_Cert_20230619110652.pdf

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Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CAROL ADLER

Signed on: JUN 19, 2023 11:10 AM

Name: CHEVRON USA INCORPORATED

Title: Sr Regulatory Affairs Coordinator

Street Address: 6301 DEAUVILLE BLVD

City: MIDLAND **State:** TX

Phone: (432) 687-7148

Email address: CAROLADLER@CHEVRON.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CODY LAYTON

BLM POC Title: Assistant Field Manager Lands & Minerals

BLM POC Phone: 5752345959

BLM POC Email Address: clayton@blm.gov

Disposition: Approved

Disposition Date: 07/20/2023

Signature: Cody R. Layton

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NENW / 340 FNL / 2040 FWL / TWSP: 25S / RANGE: 27E / SECTION: 35 / LAT: 32.093203 / LONG: -104.162472 (TVD: 0 feet, MD: 0 feet)

PPP: SESW / 100 FSL / 2310 FWL / TWSP: 25S / RANGE: 27E / SECTION: 26 / LAT: 32.094249 / LONG: -104.161581 (TVD: 7864 feet, MD: 8273 feet)

BHL: NENW / 25 FNL / 2310 FWL / TWSP: 25S / RANGE: 27E / SECTION: 23 / LAT: 32.12264 / LONG: -104.162063 (TVD: 7941 feet, MD: 18528 feet)

CICADA UNIT 71H R2 mdv 26May23 Proposal Geodetic Report

(Def Plan)

Report Date:	May 31, 2023 - 08:42 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	359.070 ° (Grid North)
Field:	NM, Eddy County (NAD 27 EZ)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron HNM Pkg 25 Tito Pad / 3H	**TVD Reference Datum:**	KB - 28.5ft
Well:	CICADA UNIT 71H	**TVD Reference Elevation:**	3197.500 ft above MSL
Borehole:	CICADA UNIT 71H	**Seabed / Ground Elevation:**	3169.000 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.752 °
Survey Name:	Tito 26 23 Fed St Com 25 3H R2 mdv 26May23	**Total Gravity Field Strength:**	998.4398mgn (9.80665 Based)
Survey Date:	May 26, 2023	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	146.494 ° / 11970.624 ft / 6.622 / 1.538	**Total Magnetic Field Strength:**	47407.825 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.627 °
Location Lat / Long:	N 32° 5' 34.32378", W 104° 9' 43.07045"	**Declination Date:**	May 26, 2023
Location Grid N/E Y/X:	N 397551.000 ftUS, E 553070.000 ftUS	**Magnetic Declination Model:**	HDGM 2023
CRS Grid Convergence Angle:	0.0910 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99991232	**Grid Convergence Used:**	0.0910 °
Version / Patch:	2.10.834.0	**Total Corr Mag North->Grid North:**	6.6612 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
Salado (SLDO)	*28.50*	*0.00*	*118.00*	*28.50*	*0.00*	*0.00*	*0.00*	*0.00*	*397551.00*	*553070.00*	*N 32 5 34.32*	*W 104 9 43.07*
	100.00	0.00	118.00	100.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	200.00	0.00	118.00	200.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	300.00	0.00	118.00	300.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	400.00	0.00	118.00	400.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
13 3/8" Casing	*450.00*	*0.00*	*118.00*	*450.00*	*0.00*	*0.00*	*0.00*	*0.00*	*397551.00*	*553070.00*	*N 32 5 34.32*	*W 104 9 43.07*
	500.00	0.00	118.00	500.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
Castile (CSTL)	*589.99*	*0.00*	*118.00*	*589.99*	*0.00*	*0.00*	*0.00*	*0.00*	*397551.00*	*553070.00*	*N 32 5 34.32*	*W 104 9 43.07*
	600.00	0.00	118.00	600.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	700.00	0.00	118.00	700.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
Build 1.5°/100ft	750.00	0.00	118.00	750.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	800.00	0.75	118.00	800.00	-0.16	-0.15	0.29	1.50	397550.85	553070.29	N 32 5 34.32	W 104 9 43.07
	900.00	2.25	118.00	899.96	-1.42	-1.38	2.60	1.50	397549.62	553072.60	N 32 5 34.31	W 104 9 43.04
	1000.00	3.75	118.00	999.82	-3.96	-3.84	7.22	1.50	397547.16	553077.22	N 32 5 34.29	W 104 9 42.99
	1100.00	5.25	118.00	1099.51	-7.75	-7.52	14.15	1.50	397543.48	553084.15	N 32 5 34.25	W 104 9 42.91
	1200.00	6.75	118.00	1198.96	-12.81	-12.43	23.38	1.50	397538.57	553093.38	N 32 5 34.20	W 104 9 42.80
	1300.00	8.25	118.00	1298.10	-19.12	-18.56	34.90	1.50	397532.44	553104.90	N 32 5 34.14	W 104 9 42.67
	1400.00	9.75	118.00	1396.87	-26.69	-25.90	48.71	1.50	397525.10	553118.71	N 32 5 34.07	W 104 9 42.50
	1500.00	11.25	118.00	1495.19	-35.50	-34.46	64.80	1.50	397516.55	553134.80	N 32 5 33.98	W 104 9 42.32
	1600.00	12.75	118.00	1593.00	-45.56	-44.22	83.16	1.50	397506.79	553153.15	N 32 5 33.88	W 104 9 42.10
	1700.00	14.25	118.00	1690.24	-56.85	-55.18	103.77	1.50	397495.83	553173.76	N 32 5 33.78	W 104 9 41.87
Hold	1750.00	15.00	118.00	1738.62	-62.96	-61.10	114.92	1.50	397489.90	553184.91	N 32 5 33.72	W 104 9 41.74
	1800.00	15.00	118.00	1786.91	-69.22	-67.18	126.35	0.00	397483.83	553196.33	N 32 5 33.66	W 104 9 41.60
	1900.00	15.00	118.00	1883.50	-81.74	-79.33	149.20	0.00	397471.68	553219.18	N 32 5 33.54	W 104 9 41.34
	2000.00	15.00	118.00	1980.10	-94.26	-91.48	172.05	0.00	397459.53	553242.03	N 32 5 33.42	W 104 9 41.07
	2100.00	15.00	118.00	2076.69	-106.78	-103.63	194.90	0.00	397447.38	553264.88	N 32 5 33.30	W 104 9 40.81
	2200.00	15.00	118.00	2173.28	-119.30	-115.78	217.75	0.00	397435.23	553287.74	N 32 5 33.17	W 104 9 40.54
	2300.00	15.00	118.00	2269.88	-131.82	-127.93	240.61	0.00	397423.08	553310.59	N 32 5 33.05	W 104 9 40.28
9 5/8" Casing	*2335.65*	*15.00*	*118.00*	*2304.31*	*-136.28*	*-132.26*	*248.75*	*0.00*	*397418.75*	*553318.73*	*N 32 5 33.01*	*W 104 9 40.18*
Lamar (LMAR)	*2397.77*	*15.00*	*118.00*	*2364.31*	*-144.06*	*-139.81*	*262.95*	*0.00*	*397411.20*	*553332.93*	*N 32 5 32.94*	*W 104 9 40.02*
	2400.00	15.00	118.00	2366.47	-144.34	-140.08	263.46	0.00	397410.93	553333.44	N 32 5 32.93	W 104 9 40.01
Bell Canyon (BLCN)	*2428.53*	*15.00*	*118.00*	*2394.03*	*-147.91*	*-143.55*	*269.98*	*0.00*	*397407.46*	*553339.96*	*N 32 5 32.90*	*W 104 9 39.93*
	2500.00	15.00	118.00	2463.06	-156.86	-152.23	286.31	0.00	397398.78	553356.29	N 32 5 32.81	W 104 9 39.75
	2600.00	15.00	118.00	2559.65	-169.38	-164.39	309.16	0.00	397386.63	553379.14	N 32 5 32.69	W 104 9 39.48
	2700.00	15.00	118.00	2656.25	-181.90	-176.54	332.02	0.00	397374.48	553401.99	N 32 5 32.57	W 104 9 39.21
Turn 1.5°/100ft	2750.00	15.00	118.00	2704.54	-188.16	-182.61	343.44	0.00	397368.40	553413.41	N 32 5 32.51	W 104 9 39.08
	2800.00	14.87	115.13	2752.85	-194.11	-188.37	354.96	1.50	397362.64	553424.93	N 32 5 32.45	W 104 9 38.95
	2900.00	14.72	109.29	2849.54	-204.14	-198.02	378.57	1.50	397353.00	553448.53	N 32 5 32.36	W 104 9 38.67
	3000.00	14.71	103.38	2946.27	-211.67	-205.15	402.91	1.50	397345.87	553472.87	N 32 5 32.29	W 104 9 38.39
	3100.00	14.85	97.53	3042.97	-216.69	-209.77	427.97	1.50	397341.25	553497.93	N 32 5 32.24	W 104 9 38.10
Hold	3156.93	15.00	94.26	3097.98	-218.43	-211.27	442.55	1.50	397339.75	553512.51	N 32 5 32.23	W 104 9 37.93
	3200.00	15.00	94.26	3139.58	-219.44	-212.10	453.67	0.00	397338.92	553523.63	N 32 5 32.22	W 104 9 37.80
Cherry Canyon (CRCN)	*3284.52*	*15.00*	*94.26*	*3221.22*	*-221.42*	*-213.73*	*475.49*	*0.00*	*397337.29*	*553545.45*	*N 32 5 32.20*	*W 104 9 37.55*
	3300.00	15.00	94.26	3236.17	-221.78	-214.02	479.49	0.00	397337.00	553549.44	N 32 5 32.20	W 104 9 37.50
	3400.00	15.00	94.26	3332.76	-224.12	-215.95	505.30	0.00	397335.07	553575.25	N 32 5 32.18	W 104 9 37.20
	3500.00	15.00	94.26	3429.35	-226.46	-217.87	531.11	0.00	397333.15	553601.07	N 32 5 32.16	W 104 9 36.90
	3600.00	15.00	94.26	3525.95	-228.80	-219.79	556.93	0.00	397331.23	553626.88	N 32 5 32.14	W 104 9 36.60
Drop 0.75°/100ft	3679.11	15.00	94.26	3602.36	-230.65	-221.31	577.35	0.00	397329.71	553647.30	N 32 5 32.12	W 104 9 36.36
	3700.00	14.85	94.26	3622.54	-231.14	-221.71	582.71	0.75	397329.31	553652.66	N 32 5 32.12	W 104 9 36.30
	3800.00	14.10	94.26	3719.37	-233.40	-223.57	607.63	0.75	397327.45	553677.58	N 32 5 32.10	W 104 9 36.01
	3900.00	13.35	94.26	3816.52	-235.55	-225.33	631.28	0.75	397325.69	553701.23	N 32 5 32.08	W 104 9 35.74
	4000.00	12.60	94.26	3913.97	-237.58	-227.00	653.67	0.75	397324.02	553723.61	N 32 5 32.07	W 104 9 35.48
	4100.00	11.85	94.26	4011.70	-239.49	-228.57	674.77	0.75	397322.45	553744.71	N 32 5 32.05	W 104 9 35.23
	4200.00	11.10	94.26	4109.70	-241.29	-230.04	694.60	0.75	397320.98	553764.54	N 32 5 32.04	W 104 9 35.00
	4300.00	10.35	94.26	4207.96	-242.97	-231.43	713.15	0.75	397319.59	553783.09	N 32 5 32.02	W 104 9 34.79
	4400.00	9.60	94.26	4306.44	-244.54	-232.71	730.42	0.75	397318.31	553800.35	N 32 5 32.01	W 104 9 34.58
Brushy Canyon (BCN)	*4454.10*	*9.19*	*94.26*	*4359.82*	*-245.34*	*-233.37*	*739.22*	*0.75*	*397317.65*	*553809.16*	*N 32 5 32.00*	*W 104 9 34.48*
	4500.00	8.85	94.26	4405.15	-245.99	-233.90	746.40	0.75	397317.12	553816.33	N 32 5 32.00	W 104 9 34.40
	4600.00	8.10	94.26	4504.06	-247.32	-235.00	761.09	0.75	397316.02	553831.02	N 32 5 31.99	W 104 9 34.23
	4700.00	7.35	94.26	4603.15	-248.53	-235.99	774.48	0.75	397315.03	553844.41	N 32 5 31.98	W 104 9 34.07
	4800.00	6.60	94.26	4702.41	-249.63	-236.90	786.59	0.75	397314.13	553856.51	N 32 5 31.97	W 104 9 33.93
	4900.00	5.85	94.26	4801.82	-250.61	-237.70	797.39	0.75	397313.32	553867.32	N 32 5 31.96	W 104 9 33.81
	5000.00	5.10	94.26	4901.37	-251.47	-238.41	806.90	0.75	397312.61	553876.82	N 32 5 31.95	W 104 9 33.70
	5100.00	4.35	94.26	5001.03	-252.22	-239.02	815.10	0.75	397312.00	553885.03	N 32 5 31.95	W 104 9 33.60
	5200.00	3.60	94.26	5100.79	-252.84	-239.53	822.01	0.75	397311.49	553891.93	N 32 5 31.94	W 104 9 33.52
	5300.00	2.85	94.26	5200.63	-253.35	-239.95	827.61	0.75	397311.07	553897.53	N 32 5 31.94	W 104 9 33.46
	5400.00	2.10	94.26	5300.53	-253.74	-240.27	831.91	0.75	397310.75	553901.83	N 32 5 31.93	W 104 9 33.41
	5500.00	1.35	94.26	5400.49	-254.01	-240.49	834.90	0.75	397310.53	553904.83	N 32 5 31.93	W 104 9 33.37
	5600.00	0.60	94.26	5500.47	-254.17	-240.62	836.59	0.75	397310.40	553906.51	N 32 5 31.93	W 104 9 33.35
Hold Vertical	5679.36	0.00	94.26	5579.83	-254.20	-240.65	837.00	0.75	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	5700.00	0.00	94.26	5600.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	5800.00	0.00	94.26	5700.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	5900.00	0.00	94.26	5800.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6000.00	0.00	94.26	5900.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
Bone Spring Lime (BSGL)	*6099.49*	*0.00*	*94.26*	*5999.96*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	6100.00	0.00	94.26	6000.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
Avalon Upper (AVU)	*6199.18*	*0.00*	*94.26*	*6099.65*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	6200.00	0.00	94.26	6100.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6300.00	0.00	94.26	6200.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6400.00	0.00	94.26	6300.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6500.00	0.00	94.26	6400.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
Avalon Lower (AVL)	*6599.12*	*0.00*	*94.26*	*6499.59*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	6600.00	0.00	94.26	6500.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6700.00	0.00	94.26	6600.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6800.00	0.00	94.26	6700.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
7" Casing	*6885.90*	*0.00*	*94.26*	*6786.37*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	6900.00	0.00	94.26	6800.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
First Bone Spring Upper (FBU)	*6955.90*	*0.00*	*94.26*	*6856.37*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	7000.00	0.00	94.26	6900.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	7100.00	0.00	94.26	7000.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
Build 8°/100ft	7112.36	0.00	94.26	7012.83	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
First Bone Spring Lower (FBL)	*7195.53*	*6.65*	*1.16*	*7095.82*	*-249.38*	*-235.83*	*837.10*	*8.00*	*397315.19*	*553907.02*	*N 32 5 31.98*	*W 104 9 33.34*
	7200.00	7.01	1.16	7100.25	-248.85	-235.30	837.11	8.00	397315.73	553907.03	N 32 5 31.98	W 104 9 33.34
	7300.00	15.01	1.16	7198.33	-229.78	-216.21	837.50	8.00	397334.81	553907.42	N 32 5 32.17	W 104 9 33.34
	7400.00	23.01	1.16	7292.80	-197.25	-183.67	838.16	8.00	397367.34	553908.08	N 32 5 32.49	W 104 9 33.33
	7500.00	31.01	1.16	7381.82	-151.90	-138.30	839.08	8.00	397412.71	553909.00	N 32 5 32.94	W 104 9 33.32
Second Bone Spring Upper (SBU)	*7579.99*	*37.41*	*1.16*	*7447.94*	*-106.98*	*-93.36*	*839.99*	*8.00*	*397457.65*	*553909.92*	*N 32 5 33.39*	*W 104 9 33.31*
	7600.00	39.01	1.16	7463.66	-94.61	-80.99	840.24	8.00	397470.02	553910.17	N 32 5 33.51	W 104 9 33.31
45° XO	*7674.86*	*45.00*	*1.16*	*7519.26*	*-44.57*	*-30.92*	*841.26*	*8.00*	*397520.08*	*553911.18*	*N 32 5 34.00*	*W 104 9 33.29*
	7700.00	47.01	1.16	7536.72	-26.50	-12.84	841.63	8.00	397538.16	553911.55	N 32 5 34.18	W 104 9 33.29
	7800.00	55.01	1.16	7599.59	51.11	64.81	843.20	8.00	397615.80	553913.13	N 32 5 34.95	W 104 9 33.27
	7900.00	63.01	1.16	7651.03	136.71	150.45	844.94	8.00	397701.43	553914.87	N 32 5 35.80	W 104 9 33.25
	8000.00	71.01	1.16	7690.05	228.64	242.41	846.81	8.00	397793.39	553916.74	N 32 5 36.71	W 104 9 33.22
	8100.00	79.01	1.16	7715.90	325.09	338.91	848.77	8.00	397889.88	553918.69	N 32 5 37.66	W 104 9 33.20
	8200.00	87.01	1.16	7728.05	424.20	438.07	850.78	8.00	397989.03	553920.71	N 32 5 38.65	W 104 9 33.17
Landing Point	8230.82	89.48	1.16	7729.00	454.98	468.86	851.41	8.00	398019.82	553921.33	N 32 5 38.95	W 104 9 33.17
FTP Cross	*8231.96*	*89.48*	*1.16*	*7729.01*	*456.12*	*470.00*	*851.43*	*0.00*	*398020.96*	*553921.36*	*N 32 5 38.96*	*W 104 9 33.16*
	8300.00	89.48	1.16	7729.63	524.11	538.03	852.81	0.00	398088.98	553922.74	N 32 5 39.63	W 104 9 33.15
	8400.00	89.48	1.16	7730.54	624.04	638.00	854.85	0.00	398188.94	553924.77	N 32 5 40.62	W 104 9 33.12
Turn 2°/100ft	8427.71	89.48	1.16	7730.80	651.73	665.70	855.41	0.00	398216.64	553925.33	N 32 5 40.90	W 104 9 33.11
	8500.00	89.48	359.72	7731.46	724.00	737.99	855.96	2.00	398288.92	553925.89	N 32 5 41.61	W 104 9 33.11
	8600.00	89.48	357.72	7732.37	823.99	837.95	853.73	2.00	398388.88	553923.65	N 32 5 42.60	W 104 9 33.13
	8700.00	89.48	355.72	7733.28	923.89	937.78	848.00	2.00	398488.70	553917.92	N 32 5 43.59	W 104 9 33.20
	8800.00	89.48	353.72	7734.19	1023.60	1037.35	838.79	2.00	398588.25	553908.72	N 32 5 44.58	W 104 9 33.30
	8900.00	89.48	351.72	7735.10	1122.97	1136.53	826.12	2.00	398687.43	553896.05	N 32 5 45.56	W 104 9 33.45
Hold	8922.36	89.48	351.27	7735.30	1145.14	1158.65	822.81	2.00	398709.54	553892.74	N 32 5 45.78	W 104 9 33.48
	9000.00	89.48	351.27	7736.00	1222.05	1235.38	811.03	0.00	398786.27	553880.96	N 32 5 46.54	W 104 9 33.62
	9100.00	89.48	351.27	7736.90	1321.13	1334.22	795.85	0.00	398885.10	553865.78	N 32 5 47.51	W 104 9 33.79
	9200.00	89.48	351.27	7737.80	1420.20	1433.06	780.67	0.00	398983.93	553850.60	N 32 5 48.49	W 104 9 33.97
	9300.00	89.48	351.27	7738.71	1519.27	1531.89	765.50	0.00	399082.76	553835.43	N 32 5 49.47	W 104 9 34.14
	9400.00	89.48	351.27	7739.61	1618.34	1630.73	750.32	0.00	399181.58	553820.25	N 32 5 50.45	W 104 9 34.32
	9500.00	89.48	351.27	7740.51	1717.41	1729.57	735.14	0.00	399280.41	553805.08	N 32 5 51.43	W 104 9 34.49
	9600.00	89.48	351.27	7741.41	1816.48	1828.41	719.97	0.00	399379.24	553789.90	N 32 5 52.41	W 104 9 34.67
	9700.00	89.48	351.27	7742.31	1915.55	1927.24	704.79	0.00	399478.07	553774.72	N 32 5 53.38	W 104 9 34.84
	9800.00	89.48	351.27	7743.22	2014.62	2026.08	689.61	0.00	399576.90	553759.55	N 32 5 54.36	W 104 9 35.02
	9900.00	89.48	351.27	7744.12	2113.69	2124.92	674.43	0.00	399675.73	553744.37	N 32 5 55.34	W 104 9 35.19
	10000.00	89.48	351.27	7745.02	2212.76	2223.76	659.26	0.00	399774.56	553729.20	N 32 5 56.32	W 104 9 35.37
	10100.00	89.48	351.27	7745.92	2311.83	2322.59	644.08	0.00	399873.38	553714.02	N 32 5 57.30	W 104 9 35.54
	10200.00	89.48	351.27	7746.83	2410.90	2421.43	628.90	0.00	399972.21	553698.85	N 32 5 58.28	W 104 9 35.71
	10300.00	89.48	351.27	7747.73	2509.97	2520.27	613.72	0.00	400071.04	553683.67	N 32 5 59.25	W 104 9 35.89
	10400.00	89.48	351.27	7748.63	2609.05	2619.10	598.55	0.00	400169.87	553668.49	N 32 6 0.23	W 104 9 36.06
	10500.00	89.48	351.27	7749.53	2708.12	2717.94	583.37	0.00	400268.70	553653.32	N 32 6 1.21	W 104 9 36.24
	10600.00	89.48	351.27	7750.44	2807.19	2816.78	568.19	0.00	400367.53	553638.14	N 32 6 2.19	W 104 9 36.41
	10700.00	89.48	351.27	7751.34	2906.26	2915.62	553.02	0.00	400466.36	553622.97	N 32 6 3.17	W 104 9 36.59
	10800.00	89.48	351.27	7752.24	3005.33	3014.45	537.84	0.00	400565.18	553607.79	N 32 6 4.15	W 104 9 36.76
	10900.00	89.48	351.27	7753.14	3104.40	3113.29	522.66	0.00	400664.01	553592.61	N 32 6 5.12	W 104 9 36.94
	11000.00	89.48	351.27	7754.04	3203.47	3212.13	507.48	0.00	400762.84	553577.44	N 32 6 6.10	W 104 9 37.11
	11100.00	89.48	351.27	7754.95	3302.54	3310.97	492.31	0.00	400861.67	553562.26	N 32 6 7.08	W 104 9 37.29
	11200.00	89.48	351.27	7755.85	3401.61	3409.80	477.13	0.00	400960.50	553547.09	N 32 6 8.06	W 104 9 37.46
	11300.00	89.48	351.27	7756.75	3500.68	3508.64	461.95	0.00	401059.33	553531.91	N 32 6 9.04	W 104 9 37.64
	11400.00	89.48	351.27	7757.65	3599.75	3607.48	446.78	0.00	401158.16	553516.74	N 32 6 10.02	W 104 9 37.81
	11500.00	89.48	351.27	7758.56	3698.82	3706.32	431.60	0.00	401256.98	553501.56	N 32 6 10.99	W 104 9 37.98
	11600.00	89.48	351.27	7759.46	3797.89	3805.15	416.42	0.00	401355.81	553486.38	N 32 6 11.97	W 104 9 38.16
	11700.00	89.48	351.27	7760.36	3896.96	3903.99	401.24	0.00	401454.64	553471.21	N 32 6 12.95	W 104 9 38.33
	11800.00	89.48	351.27	7761.26	3996.04	4002.83	386.07	0.00	401553.47	553456.03	N 32 6 13.93	W 104 9 38.51
	11900.00	89.48	351.27	7762.17	4095.11	4101.67	370.89	0.00	401652.30	553440.86	N 32 6 14.91	W 104 9 38.68
	12000.00	89.48	351.27	7763.07	4194.18	4200.50	355.71	0.00	401751.13	553425.68	N 32 6 15.88	W 104 9 38.86
	12100.00	89.48	351.27	7763.97	4293.25	4299.34	340.53	0.00	401849.96	553410.50	N 32 6 16.86	W 104 9 39.03
	12200.00	89.48	351.27	7764.87	4392.32	4398.18	325.36	0.00	401948.78	553395.33	N 32 6 17.84	W 104 9 39.21
	12300.00	89.48	351.27	7765.77	4491.39	4497.02	310.18	0.00	402047.61	553380.15	N 32 6 18.82	W 104 9 39.38
	12400.00	89.48	351.27	7766.68	4590.46	4595.85	295.00	0.00	402146.44	553364.98	N 32 6 19.80	W 104 9 39.56
	12500.00	89.48	351.27	7767.58	4689.53	4694.69	279.83	0.00	402245.27	553349.80	N 32 6 20.78	W 104 9 39.73
	12600.00	89.48	351.27	7768.48	4788.60	4793.53	264.65	0.00	402344.10	553334.62	N 32 6 21.75	W 104 9 39.91
	12700.00	89.48	351.27	7769.38	4887.67	4892.37	249.47	0.00	402442.93	553319.45	N 32 6 22.73	W 104 9 40.08
	12800.00	89.48	351.27	7770.29	4986.74	4991.20	234.29	0.00	402541.76	553304.27	N 32 6 23.71	W 104 9 40.25
	12900.00	89.48	351.27	7771.19	5085.81	5090.04	219.12	0.00	402640.58	553289.10	N 32 6 24.69	W 104 9 40.43
	13000.00	89.48	351.27	7772.09	5184.88	5188.88	203.94	0.00	402739.41	553273.92	N 32 6 25.67	W 104 9 40.60
	13100.00	89.48	351.27	7772.99	5283.96	5287.72	188.76	0.00	402838.24	553258.75	N 32 6 26.65	W 104 9 40.78
	13200.00	89.48	351.27	7773.90	5383.03	5386.55	173.59	0.00	402937.07	553243.57	N 32 6 27.62	W 104 9 40.95
	13300.00	89.48	351.27	7774.80	5482.10	5485.39	158.41	0.00	403035.90	553228.39	N 32 6 28.60	W 104 9 41.13
MP, Build/Turn 2°/100ft	13322.36	89.48	351.27	7775.00	5504.25	5507.49	155.01	0.00	403058.00	553225.00	N 32 6 28.82	W 104 9 41.17
	13400.00	89.55	352.82	7775.65	5581.30	5584.38	144.27	2.00	403134.88	553214.26	N 32 6 29.58	W 104 9 41.29
	13500.00	89.65	354.82	7776.35	5680.87	5683.79	133.51	2.00	403234.28	553203.49	N 32 6 30.57	W 104 9 41.41
	13600.00	89.74	356.82	7776.89	5780.71	5783.52	126.21	2.00	403334.00	553196.20	N 32 6 31.55	W 104 9 41.50
	13700.00	89.83	358.81	7777.27	5880.68	5883.44	122.40	2.00	403433.91	553192.39	N 32 6 32.54	W 104 9 41.54
Hold	13749.48	89.88	359.80	7777.40	5930.15	5932.91	121.81	2.00	403483.38	553191.80	N 32 6 33.03	W 104 9 41.54
	13800.00	89.88	359.80	7777.51	5980.67	5983.43	121.63	0.00	403533.90	553191.62	N 32 6 33.53	W 104 9 41.55
	13900.00	89.88	359.80	7777.72	6080.66	6083.43	121.29	0.00	403633.89	553191.28	N 32 6 34.52	W 104 9 41.55
	14000.00	89.88	359.80	7777.94	6180.65	6183.43	120.95	0.00	403733.88	553190.94	N 32 6 35.51	W 104 9 41.55
	14100.00	89.88	359.80	7778.16	6280.65	6283.43	120.61	0.00	403833.87	553190.59	N 32 6 36.50	W 104 9 41.55
	14200.00	89.88	359.80	7778.38	6380.64	6383.43	120.26	0.00	403933.86	553190.25	N 32 6 37.49	W 104 9 41.55
	14300.00	89.88	359.80	7778.59	6480.63	6483.43	119.92	0.00	404033.85	553189.91	N 32 6 38.48	W 104 9 41.56
	14400.00	89.88	359.80	7778.81	6580.62	6583.43	119.58	0.00	404133.84	553189.57	N 32 6 39.47	W 104 9 41.56
	14500.00	89.88	359.80	7779.03	6680.61	6683.43	119.23	0.00	404233.83	553189.22	N 32 6 40.46	W 104 9 41.56
	14600.00	89.88	359.80	7779.25	6780.60	6783.43	118.89	0.00	404333.82	553188.88	N 32 6 41.45	W 104 9 41.56
	14700.00	89.88	359.80	7779.46	6880.60	6883.43	118.55	0.00	404433.81	553188.54	N 32 6 42.44	W 104 9 41.57
	14800.00	89.88	359.80	7779.68	6980.59	6983.43	118.20	0.00	404533.80	553188.19	N 32 6 43.43	W 104 9 41.57
	14900.00	89.88	359.80	7779.90	7080.58	7083.42	117.86	0.00	404633.79	553187.85	N 32 6 44.42	W 104 9 41.57
	15000.00	89.88	359.80	7780.12	7180.57	7183.42	117.52	0.00	404733.78	553187.51	N 32 6 45.41	W 104 9 41.57
	15100.00	89.88	359.80	7780.33	7280.56	7283.42	117.17	0.00	404833.77	553187.16	N 32 6 46.40	W 104 9 41.57
	15200.00	89.88	359.80	7780.55	7380.55	7383.42	116.83	0.00	404933.76	553186.82	N 32 6 47.39	W 104 9 41.58
	15300.00	89.88	359.80	7780.77	7480.54	7483.42	116.49	0.00	405033.75	553186.48	N 32 6 48.38	W 104 9 41.58
	15400.00	89.88	359.80	7780.98	7580.54	7583.42	116.15	0.00	405133.74	553186.13	N 32 6 49.36	W 104 9 41.58
	15500.00	89.88	359.80	7781.20	7680.53	7683.42	115.80	0.00	405233.73	553185.79	N 32 6 50.35	W 104 9 41.58
	15600.00	89.88	359.80	7781.42	7780.52	7783.42	115.46	0.00	405333.72	553185.45	N 32 6 51.34	W 104 9 41.58
	15700.00	89.88	359.80	7781.64	7880.51	7883.42	115.12	0.00	405433.71	553185.11	N 32 6 52.33	W 104 9 41.59

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	15800.00	89.88	359.80	7781.85	7980.50	7983.42	114.77	0.00	405533.70	553184.76	N 32 6 53.32	W 104 9 41.59
	15900.00	89.88	359.80	7782.07	8080.49	8083.42	114.43	0.00	405633.69	553184.42	N 32 6 54.31	W 104 9 41.59
	16000.00	89.88	359.80	7782.29	8180.49	8183.42	114.09	0.00	405733.68	553184.08	N 32 6 55.30	W 104 9 41.59
	16100.00	89.88	359.80	7782.51	8280.48	8283.41	113.74	0.00	405833.67	553183.73	N 32 6 56.29	W 104 9 41.59
	16200.00	89.88	359.80	7782.72	8380.47	8383.41	113.40	0.00	405933.66	553183.39	N 32 6 57.28	W 104 9 41.60
	16300.00	89.88	359.80	7782.94	8480.46	8483.41	113.06	0.00	406033.65	553183.05	N 32 6 58.27	W 104 9 41.60
	16400.00	89.88	359.80	7783.16	8580.45	8583.41	112.71	0.00	406133.64	553182.70	N 32 6 59.26	W 104 9 41.60
	16500.00	89.88	359.80	7783.38	8680.44	8683.41	112.37	0.00	406233.63	553182.36	N 32 7 0.25	W 104 9 41.60
	16600.00	89.88	359.80	7783.59	8780.44	8783.41	112.03	0.00	406333.62	553182.02	N 32 7 1.24	W 104 9 41.61
	16700.00	89.88	359.80	7783.81	8880.43	8883.41	111.69	0.00	406433.61	553181.68	N 32 7 2.23	W 104 9 41.61
	16800.00	89.88	359.80	7784.03	8980.42	8983.41	111.34	0.00	406533.60	553181.33	N 32 7 3.22	W 104 9 41.61
	16900.00	89.88	359.80	7784.25	9080.41	9083.41	111.00	0.00	406633.59	553180.99	N 32 7 4.21	W 104 9 41.61
	17000.00	89.88	359.80	7784.46	9180.40	9183.41	110.66	0.00	406733.58	553180.65	N 32 7 5.20	W 104 9 41.61
IFP1, Build 2°/100ft	17016.42	89.88	359.80	7784.50	9196.82	9199.83	110.60	0.00	406750.00	553180.59	N 32 7 5.36	W 104 9 41.61
	17100.00	91.55	359.80	7783.46	9280.38	9283.40	110.31	2.00	406833.56	553180.30	N 32 7 6.19	W 104 9 41.62
Hold to TD	17140.23	92.35	359.80	7782.09	9320.58	9323.60	110.17	2.00	406873.76	553180.16	N 32 7 6.59	W 104 9 41.62
	17200.00	92.35	359.80	7779.64	9380.30	9383.32	109.96	0.00	406933.48	553179.95	N 32 7 7.18	W 104 9 41.62
	17300.00	92.35	359.80	7775.54	9480.21	9483.24	109.61	0.00	407033.39	553179.60	N 32 7 8.16	W 104 9 41.62
	17400.00	92.35	359.80	7771.44	9580.12	9583.15	109.25	0.00	407133.29	553179.24	N 32 7 9.15	W 104 9 41.62
	17500.00	92.35	359.80	7767.33	9680.03	9683.07	108.90	0.00	407233.20	553178.89	N 32 7 10.14	W 104 9 41.63
	17600.00	92.35	359.80	7763.23	9779.93	9782.98	108.55	0.00	407333.11	553178.54	N 32 7 11.13	W 104 9 41.63
	17700.00	92.35	359.80	7759.13	9879.84	9882.90	108.20	0.00	407433.01	553178.19	N 32 7 12.12	W 104 9 41.63
	17800.00	92.35	359.80	7755.02	9979.75	9982.81	107.84	0.00	407532.92	553177.84	N 32 7 13.11	W 104 9 41.63
	17900.00	92.35	359.80	7750.92	10079.66	10082.73	107.49	0.00	407632.82	553177.48	N 32 7 14.10	W 104 9 41.63
	18000.00	92.35	359.80	7746.82	10179.56	10182.64	107.14	0.00	407732.73	553177.13	N 32 7 15.09	W 104 9 41.64
	18100.00	92.35	359.80	7742.71	10279.47	10282.56	106.79	0.00	407832.64	553176.78	N 32 7 16.07	W 104 9 41.64
	18200.00	92.35	359.80	7738.61	10379.38	10382.47	106.44	0.00	407932.54	553176.43	N 32 7 17.06	W 104 9 41.64
	18300.00	92.35	359.80	7734.51	10479.29	10482.39	106.08	0.00	408032.45	553176.07	N 32 7 18.05	W 104 9 41.64
	18400.00	92.35	359.80	7730.40	10579.19	10582.30	105.73	0.00	408132.36	553175.72	N 32 7 19.04	W 104 9 41.65
	18500.00	92.35	359.80	7726.30	10679.10	10682.22	105.38	0.00	408232.26	553175.37	N 32 7 20.03	W 104 9 41.65
LTP Cross	*18529.81*	*92.35*	*359.80*	*7725.08*	*10708.88*	*10712.00*	*105.27*	*0.00*	*408262.04*	*553175.26*	*N 32 7 20.32*	*W 104 9 41.65*
	18600.00	92.35	359.80	7722.20	10779.01	10782.14	105.03	0.00	408332.17	553175.02	N 32 7 21.02	W 104 9 41.65
Tito 26 23 Fed St Com 25 3H BHL	18604.84	92.35	359.80	7722.00	10783.84	10786.97	105.01	0.00	408337.00	553175.00	N 32 7 21.07	W 104 9 41.65

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 3 *** 3-D 97.071% Confidence 3.0000 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	28.500	1/100.000	17.500	13.375		B001Mb_MWD+HRGM-Depth Only	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23
	1	28.500	450.000	1/100.000	17.500	13.375		B001Mb_MWD+HRGM	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23
	1	450.000	2335.650	1/100.000	12.250	9.625		B001Mb_MWD+HRGM	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23
	1	2335.650	6885.897	1/100.000	8.750	7.000		B001Mb_MWD+HRGM	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23
	1	6885.897	18604.836	1/100.000	6.125	4.500		B001Mb_MWD+HRGM	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23

ONSHORE ORDER NO. 1
Chevron
CICADA UNIT 71H
Eddy County, NM

CONFIDENTIAL -- TIGHT HOLE
DRILLING PLAN
PAGE: 1

Pad Summary: Hayhurst NM Pkg 24

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.
CICADA UNIT 69H	7,789	Bone Spring
CICADA UNIT 70H	7,705	Bone Spring
CICADA UNIT 71H	7,729	Bone Spring
CICADA UNIT 72H	7,839	Bone Spring

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?
Salado (SLDO)	Anhydrite/Salt	29	29	No
Castile (CSTL)	Anhydrite/Salt	590	590	No
Lamar (LMAR)	Limestone/Shale	2,364	2,398	No
Bell Canyon (BLCN)	Sandstone/Limestone	2,394	2,429	No
Cherry Canyon (CRCN)	Sandstone/Siltstone	3,221	3,285	No
Brushy Canyon (BCN)	Sandstone/Limestone	4,360	4,454	No
Bone Spring Lime (BSGL)	Shale/Siltstone	6,000	6,099	No
Avalon Upper (AVU)	Shale	6,100	6,199	No
Avalon Lower (AVL)	Shale	6,500	6,599	No
First Bone Spring Upper (FBU)	Sandstone/Shale	6,856	6,956	No
First Bone Spring Lower (FBL)	Shale	7,096	7,196	No
Second Bone Spring Upper (SBU)	Sandstone/Shale	7,448	7,580	Yes: Oil & Natural Gas

WELLBORE LOCATIONS	MD	TVD
SHL	-	-
KOP	7,112	7,013
FTP	8,232	7,729
LTP	18,530	7,725
BHL	18,605	7,722

2. **BOP EQUIPMENT AND TESTING**

Rating Depth 7,729 TVD

Equipment

Chevron will have a minimum of a 5,000 psi rig stack for drill out below surface casing

Request Variance: Yes
Variance Request(s)
Chevron respectfully request to vary from the Onshore Order 2 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.

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 IPT 'Suretec' Digital BOP Test Method in lieu of the standard test chart. In the event the IPT system is unavailable, the standard test chart will be used.

3. **CASING PROGRAM**

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

Purpose	Top (MD)	Top (TVD)	Bot (MD)	Bot (TVD)	Hole Size	Csg Size	Weight	Grade	Thread
Surface	0'	0'	450'	450'	17.5" / 16"	13.375"	54.5 #	J-55	BTC/STC
Intermediate 1	0'	0'	2,378'	2,344'	12.25"	9.625"	40.0 #	L-80	BTC/LTC
Intermediate 2	0'	0'	7,112'	7,013'	8.75"	7"	29.0 #	P-110	BLUE-SD
Production Liner†	6,912'	6,813'	7,562'	7,413'	6.125"	5"	18.0 #	P-110	W513
Production Liner	7,562'	7,413'	18,605'	7,722'	6.125"	4.5"	11.6 #	P-110	W521

† 5" casing from TOL to 45 degrees (max OD at connection is 5.00")

b. **All casing strings will be new pipe.**
c. **Casing design depths subject to revision based on directional drilling and geologic conditions encountered.**
d. **Chevon will keep casing fluid filled at all times and while RIH. Chevron will check casing at a minimum of every 20 jts (~840'), and never to surpass ⅓ of casing, while running intermediate and production casing in order to maintain collapse SF.**

Casing String	Min SF Collapse	Min SF Burst	Min SF Axial (Joint)	Min SF Axial (Body)
Surface	5.43	3.52	37.06	34.78
Intermediate 1	2.73	2.99	10.10	9.77
Intermediate 2	2.46	4.13	4.57	4.57
Production Liner	1.79	3.93	2.77	4.35

ONSHORE ORDER NO. 1
Chevron
CICADA UNIT 71H
Eddy County, NM

CONFIDENTIAL -- TIGHT HOLE
DRILLING PLAN
PAGE: 3

4. **CEMENTING PROGRAM**

Slurry	Type	Top	Bottom	*Quantity*	Yield	Density	%Excess	Volume	Additives
Surface Casing 13-3/8"				(sks)	(cuft/sk)	(ppg)		(cuft)	
Tail	Class C	0'	450'	240	1.63	13.6	25	391	Extender, Antifoam, Retarder, Viscosifier
Intermediate 1 Casing 9-5/8"									
Planned single stage cement job									
Lead	Class C	0'	1,378'	248	2.29	11.5	25	567	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	1,378'	2,378'	263	1.63	13.6	25	429	Extender, Antifoam, Retarder, Viscosifier
Contingency: Top Job									
1st Tail	Class C	0'	1,378'	400	1.35	14.8	25	539	Extender, Antifoam, Retarder, Viscosifier
Intermediate 2 Casing 7"									
Planned single stage cement job									
Lead	Class C	0'	6,112'	306	3.52	10.5	25	1079	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	6,112'	7,112'	124	1.52	12.6	25	188	Extender, Antifoam, Retarder, Viscosifier
Contingency: Top Job									
1st Tail	Class C	0'	4,112'	572	1.35	14.8	25	773	Extender, Antifoam, Retarder, Viscosifier
Production Liner 5" x 4-1/2"									
Lead	Class H	6,912'	18,605'	906	1.52	12.6	25	1376	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

Top	Bottom	Type	Min MW	Max MW at TD	Additional Charactistics
0'	450'	Spud Mud	8.3	8.9	
450'	2,378'	Brine	8.9	10.6	Saturated brine would be used through salt sections.
2,378'	7,112'	WBM/Brine	8.5	9.5	
7,112'	18,605'	OBM	9.0	11.0	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**
c. **Coring Operations are not planned.**

7. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

Anticipated BHP	**4,421**	psi
Anticipated BHT	**134.7622256**	°F
Anticipated abnormal pressures?	**No**	
Describe abnormal pressures	N/A - 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	

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 Onshore Order 2

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-49686	30216	NORTH HAY HOLLOW; BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
333030	CICADA UNIT	71H

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3169'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	35	25 SOUTH	27 EAST, N.M.P.M.		340'	NORTH	2040'	WEST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	25 SOUTH	27 EAST, N.M.P.M.		25'	NORTH	2310'	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
360	DEFINING		Cicada Unit NMNM 37168X, R-22488

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

[16]

PROPOSED LAST TAKE POINT
X = 553,175.65' (NAD27 NM E)
Y = 408,261.98'
LAT. 32.122312° N (NAD27)
LONG. 104.161568° W
X = 594,359.25' (NAD83/86 NM E)
Y = 408,319.55'
LAT. 32.122434° N (NAD83/86)
LONG. 104.162061° W

PPP #5
X = 553,200.01' (NAD27 NM E)
Y = 405,709.80'
LAT. 32.115296° N (NAD27)
LONG. 104.161502° W
X = 594,383.66' (NAD83/86 NM E)
Y = 405,767.33'
LAT. 32.115418° N (NAD83/86)
LONG. 104.161995° W

PROPOSED MID POINT/ PPP #4
X = 553,225.32' (NAD27 NM E)
Y = 403,057.90'
LAT. 32.108006° N (NAD27)
LONG. 104.161434° W
X = 594,409.02' (NAD83/86 NM E)
Y = 403,115.37'
LAT. 32.108127° N (NAD83/86)
LONG. 104.161927° W

PPP #3
X = 553,567.85' (NAD27 NM E)
Y = 402,380.99'
LAT. 32.106143° N (NAD27)
LONG. 104.160331° W
X = 594,751.57' (NAD83/86 NM E)
Y = 402,438.46'
LAT. 32.106265° N (NAD83/86)
LONG. 104.160824° W

PROPOSED INFLECTION POINT
X = 553,897.74' (NAD27 NM E)
Y = 401,729.06'
LAT. 32.104350° N (NAD27)
LONG. 104.159269° W
X = 595,081.48' (NAD83/86 NM E)
Y = 401,786.52'
LAT. 32.104472° N (NAD83/86)
LONG. 104.159762° W

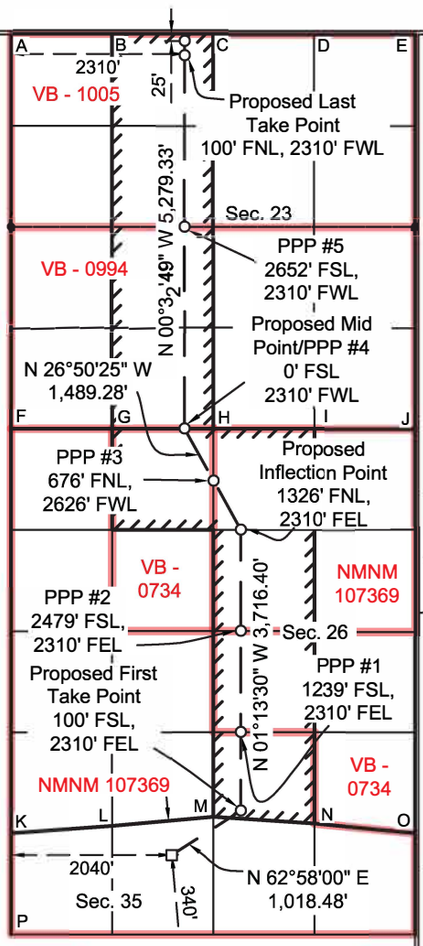
PPP #2
X = 553,926.10' (NAD27 NM E)
Y = 400,402.64'
LAT. 32.100703° N (NAD27)
LONG. 104.159185° W
X = 595,109.87' (NAD83/86 NM E)
Y = 400,460.08'
LAT. 32.100825° N (NAD83/86)
LONG. 104.159677° W

PPP #1
X = 554,997.45' (NAD27 NM E)
Y = 397,867.07'
LAT. 32.093728° N (NAD27)
LONG. 104.155738° W
X = 596,181.28' (NAD83/86 NM E)
Y = 397,924.47'
LAT. 32.093850° N (NAD83/86)
LONG. 104.156231° W

PROPOSED FIRST TAKE POINT
X = 553,977.19' (NAD27 NM E)
Y = 398,013.51'
LAT. 32.094135° N (NAD27)
LONG. 104.159032° W
X = 595,161.00' (NAD83/86 NM E)
Y = 398,070.90'
LAT. 32.094257° N (NAD83/86)
LONG. 104.159525° W

PROPOSED BOTTOM HOLE LOCATION
X = 553,174.94' (NAD27 NM E)
Y = 408,336.98'
LAT. 32.122518° N (NAD27)
LONG. 104.161570° W
X = 594,358.54' (NAD83/86 NM E)
Y = 408,394.56'
LAT. 32.122640° N (NAD83/86)
LONG. 104.162063° W

CICADA UNIT NO. 71H WELL
X = 553,069.98' (NAD27 NM E)
Y = 397,550.60'
LAT. 32.092867° N (NAD27)
LONG. 104.161964° W
X = 594,253.78' (NAD83/86 NM E)
Y = 397,607.97'
LAT. 32.092989° N (NAD83/86)
LONG. 104.162457° W
ELEV. +3169' (NAVD88)



CORNER COORDINATES TABLE (NAD 27)

A - Y=408374.82, X=550864.48
B - Y=408367.45, X=552190.27
C - Y=408360.09, X=553516.07
D - Y=408352.72, X=554841.87
E - Y=408345.35, X=556167.66
F - Y=403066.35, X=550914.53
G - Y=403061.53, X=552230.93
H - Y=403056.72, X=553547.34
I - Y=403051.60, X=554863.72
J - Y=403046.49, X=556180.10
K - Y=397757.44, X=551035.56
L - Y=397845.34, X=552369.22
M - Y=397933.25, X=553702.88
N - Y=397838.78, X=554998.17
O - Y=397744.31, X=556293.47
P - Y=392448.13, X=550882.93

[17]

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Carol Adler 6/14/2023
Signature Date

Carol Adler
Printed Name

caroladler@chevron.com
E-mail Address

[18]

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

03/29/2022
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT L. LASTRAPES
NEW MEXICO
23006
06/12/2023
PROFESSIONAL SURVEYOR

Certificate Number

T:\2021\22135566\DWG\Cicada Unit No.71H C-102.dwg

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-49686
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: TITO 26 23 FED STATE COM 25

1. Type of Well: Oil Well ☒ Gas Well ☐ Other
8. Well Number: 3H

2. Name of Operator: CHEVRON USA INCORPORATED
9. OGRID Number: 4323

3. Address of Operator: P O BOX 1635, HOUSTON, TX 77251
10. Pool name or Wildcat: JENNINGS/ NORTH HAY HOLLOW; BONESPRING

4. Well Location
Unit Letter C : 340 feet from the NORTH line and 2040 feet from the WEST line
Section 35 Township 25 S Range 27 E NMPM County EDDY

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 3169'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON REQUESTS THE FOLLOWING:

CHANGE WELL NAME / NUMBER FROM TITO 26 23 FED STATE COM 25 3H TO CICADA UNIT 71H (API # 30-015-49686)

CHANGE SURFACE LOCATION FROM 262' FNL / 2032' FWL TO 340' FNL / 2040' FWL

PLEASE SEE ATTACHED C-102; DRILLING PLAN; DIRECTION SURVEY

Spud Date: | Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Nicole Taylor TITLE HSE Regulatory Tech DATE 02/14/2024

Type or print name Nicole Taylor E-mail address: nicole.taylor@chevron.com PHONE: 432-687-7723

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any):

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-49686	30216	NORTH HAY HOLLOW; BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
333030	CICADA UNIT	71H

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3169'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	35	25 SOUTH	27 EAST, N.M.P.M.		340'	NORTH	2040'	WEST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	25 SOUTH	27 EAST, N.M.P.M.		25'	NORTH	2310'	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
360	DEFINING		Cicada Unit NMNM 37168X, R-22488

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

[16]

PROPOSED LAST TAKE POINT
X = 553,175.65' (NAD27 NM E)
Y = 408,261.98'
LAT. 32.122312° N (NAD27)
LONG. 104.161568° W
X = 594,359.25' (NAD83/86 NM E)
Y = 408,319.55'
LAT. 32.122434° N (NAD83/86)
LONG. 104.162061° W

PPP #5
X = 553,200.01' (NAD27 NM E)
Y = 405,709.80'
LAT. 32.115296° N (NAD27)
LONG. 104.161502° W
X = 594,383.66' (NAD83/86 NM E)
Y = 405,767.33'
LAT. 32.115418° N (NAD83/86)
LONG. 104.161995° W

PROPOSED MID POINT/ PPP #4
X = 553,225.32' (NAD27 NM E)
Y = 403,057.90'
LAT. 32.108006° N (NAD27)
LONG. 104.161434° W
X = 594,409.02' (NAD83/86 NM E)
Y = 403,115.37'
LAT. 32.108127° N (NAD83/86)
LONG. 104.161927° W

PPP #3
X = 553,567.85' (NAD27 NM E)
Y = 402,380.99'
LAT. 32.106143° N (NAD27)
LONG. 104.160331° W
X = 594,751.57' (NAD83/86 NM E)
Y = 402,438.46'
LAT. 32.106265° N (NAD83/86)
LONG. 104.160824° W

PROPOSED INFLECTION POINT
X = 553,897.74' (NAD27 NM E)
Y = 401,729.06'
LAT. 32.104350° N (NAD27)
LONG. 104.159269° W
X = 595,081.48' (NAD83/86 NM E)
Y = 401,786.52'
LAT. 32.104472° N (NAD83/86)
LONG. 104.159762° W

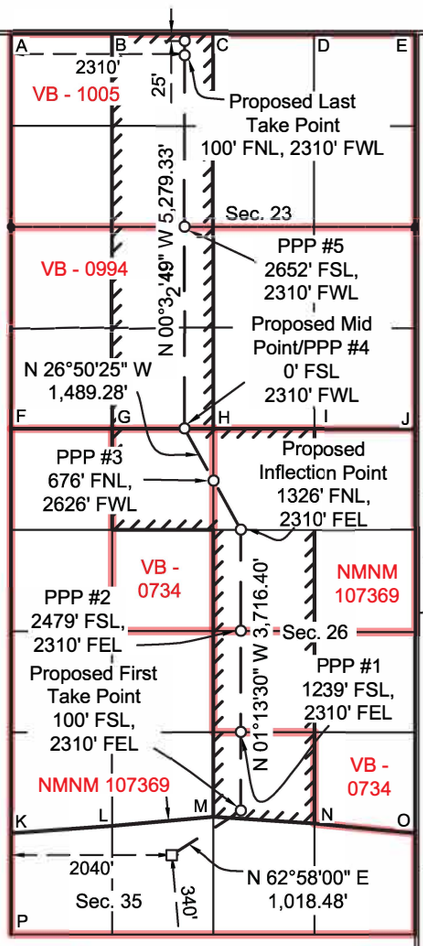
PPP #2
X = 553,926.10' (NAD27 NM E)
Y = 400,402.64'
LAT. 32.100703° N (NAD27)
LONG. 104.159185° W
X = 595,109.87' (NAD83/86 NM E)
Y = 400,460.08'
LAT. 32.100825° N (NAD83/86)
LONG. 104.159677° W

PPP #1
X = 554,997.45' (NAD27 NM E)
Y = 397,867.07'
LAT. 32.093728° N (NAD27)
LONG. 104.155738° W
X = 596,181.28' (NAD83/86 NM E)
Y = 397,924.47'
LAT. 32.093850° N (NAD83/86)
LONG. 104.156231° W

PROPOSED FIRST TAKE POINT
X = 553,977.19' (NAD27 NM E)
Y = 398,013.51'
LAT. 32.094135° N (NAD27)
LONG. 104.159032° W
X = 595,161.00' (NAD83/86 NM E)
Y = 398,070.90'
LAT. 32.094257° N (NAD83/86)
LONG. 104.159525° W

PROPOSED BOTTOM HOLE LOCATION
X = 553,174.94' (NAD27 NM E)
Y = 408,336.98'
LAT. 32.122518° N (NAD27)
LONG. 104.161570° W
X = 594,358.54' (NAD83/86 NM E)
Y = 408,394.56'
LAT. 32.122640° N (NAD83/86)
LONG. 104.162063° W

CICADA UNIT NO. 71H WELL
X = 553,069.98' (NAD27 NM E)
Y = 397,550.60'
LAT. 32.092867° N (NAD27)
LONG. 104.161964° W
X = 594,253.78' (NAD83/86 NM E)
Y = 397,607.97'
LAT. 32.092989° N (NAD83/86)
LONG. 104.162457° W
ELEV. +3169' (NAVD88)



CORNER COORDINATES TABLE (NAD 27)

A - Y=408374.82, X=550864.48
B - Y=408367.45, X=552190.27
C - Y=408360.09, X=553516.07
D - Y=408352.72, X=554841.87
E - Y=408345.35, X=556167.66
F - Y=403066.35, X=550914.53
G - Y=403061.53, X=552230.93
H - Y=403056.72, X=553547.34
I - Y=403051.60, X=554863.72
J - Y=403046.49, X=556180.10
K - Y=397757.44, X=551035.56
L - Y=397845.34, X=552369.22
M - Y=397933.25, X=553702.88
N - Y=397838.78, X=554998.17
O - Y=397744.31, X=556293.47
P - Y=392448.13, X=550882.93

[17]

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Carol Adler 6/14/2023
Signature Date

Carol Adler
Printed Name

caroladler@chevron.com
E-mail Address

[18]

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

03/29/2022
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT L. LASTRAPES
NEW MEXICO
23006
06/12/2023
PROFESSIONAL SURVEYOR

Certificate Number

T:\20211221\3566\DWG\Cicada Unit No.71H C-102.dwg

ONSHORE ORDER NO. 1
Chevron
CICADA UNIT 71H
Eddy County, NM

CONFIDENTIAL -- TIGHT HOLE
DRILLING PLAN
PAGE: 1

Pad Summary: Hayhurst NM Pkg 24

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.
CICADA UNIT 69H	7,789	Bone Spring
CICADA UNIT 70H	7,705	Bone Spring
CICADA UNIT 71H	7,729	Bone Spring
CICADA UNIT 72H	7,839	Bone Spring

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?
Salado (SLDO)	Anhydrite/Salt	29	29	No
Castile (CSTL)	Anhydrite/Salt	590	590	No
Lamar (LMAR)	Limestone/Shale	2,364	2,398	No
Bell Canyon (BLCN)	Sandstone/Limestone	2,394	2,429	No
Cherry Canyon (CRCN)	Sandstone/Siltstone	3,221	3,285	No
Brushy Canyon (BCN)	Sandstone/Limestone	4,360	4,454	No
Bone Spring Lime (BSGL)	Shale/Siltstone	6,000	6,099	No
Avalon Upper (AVU)	Shale	6,100	6,199	No
Avalon Lower (AVL)	Shale	6,500	6,599	No
First Bone Spring Upper (FBU)	Sandstone/Shale	6,856	6,956	No
First Bone Spring Lower (FBL)	Shale	7,096	7,196	No
Second Bone Spring Upper (SBU)	Sandstone/Shale	7,448	7,580	Yes: Oil & Natural Gas

WELLBORE LOCATIONS	MD	TVD
SHL	-	-
KOP	7,112	7,013
FTP	8,232	7,729
LTP	18,530	7,725
BHL	18,605	7,722

2. **BOP EQUIPMENT AND TESTING**

Rating Depth 7,729 TVD

Equipment

Chevron will have a minimum of a 5,000 psi rig stack for drill out below surface casing

Request Variance: Yes
Variance Request(s)
Chevron respectfully request to vary from the Onshore Order 2 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.

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 IPT 'Suretec' Digital BOP Test Method in lieu of the standard test chart. In the event the IPT system is unavailable, the standard test chart will be used.

3. **CASING PROGRAM**

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

Purpose	Top (MD)	Top (TVD)	Bot (MD)	Bot (TVD)	Hole Size	Csg Size	Weight	Grade	Thread
Surface	0'	0'	450'	450'	17.5" / 16"	13.375"	54.5 #	J-55	BTC/STC
Intermediate 1	0'	0'	2,378'	2,344'	12.25"	9.625"	40.0 #	L-80	BTC/LTC
Intermediate 2	0'	0'	7,112'	7,013'	8.75"	7"	29.0 #	P-110	BLUE-SD
Production Liner†	6,912'	6,813'	7,562'	7,413'	6.125"	5"	18.0 #	P-110	W513
Production Liner	7,562'	7,413'	18,605'	7,722'	6.125"	4.5"	11.6 #	P-110	W521

† 5" casing from TOL to 45 degrees (max OD at connection is 5.00")

b. **All casing strings will be new pipe.**
c. **Casing design depths subject to revision based on directional drilling and geologic conditions encountered.**
d. **Chevon will keep casing fluid filled at all times and while RIH. Chevron will check casing at a minimum of every 20 jts (~840'), and never to surpass ⅓ of casing, while running intermediate and production casing in order to maintain collapse SF.**

Casing String	Min SF Collapse	Min SF Burst	Min SF Axial (Joint)	Min SF Axial (Body)
Surface	5.43	3.52	37.06	34.78
Intermediate 1	2.73	2.99	10.10	9.77
Intermediate 2	2.46	4.13	4.57	4.57
Production Liner	1.79	3.93	2.77	4.35

ONSHORE ORDER NO. 1
Chevron
CICADA UNIT 71H
Eddy County, NM

CONFIDENTIAL -- TIGHT HOLE
DRILLING PLAN
PAGE: 3

4. **CEMENTING PROGRAM**

Slurry	Type	Top	Bottom	*Quantity*	Yield	Density	%Excess	Volume	Additives
Surface Casing 13-3/8"				(sks)	(cuft/sk)	(ppg)		(cuft)	
Tail	Class C	0'	450'	240	1.63	13.6	25	391	Extender, Antifoam, Retarder, Viscosifier
Intermediate 1 Casing 9-5/8"									
Planned single stage cement job									
Lead	Class C	0'	1,378'	248	2.29	11.5	25	567	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	1,378'	2,378'	263	1.63	13.6	25	429	Extender, Antifoam, Retarder, Viscosifier
Contingency: Top Job									
1st Tail	Class C	0'	1,378'	400	1.35	14.8	25	539	Extender, Antifoam, Retarder, Viscosifier
Intermediate 2 Casing 7"									
Planned single stage cement job									
Lead	Class C	0'	6,112'	306	3.52	10.5	25	1079	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	6,112'	7,112'	124	1.52	12.6	25	188	Extender, Antifoam, Retarder, Viscosifier
Contingency: Top Job									
1st Tail	Class C	0'	4,112'	572	1.35	14.8	25	773	Extender, Antifoam, Retarder, Viscosifier
Production Liner 5" x 4-1/2"									
Lead	Class H	6,912'	18,605'	906	1.52	12.6	25	1376	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

Top	Bottom	Type	Min MW	Max MW at TD	Additional Charactistics
0'	450'	Spud Mud	8.3	8.9	
450'	2,378'	Brine	8.9	10.6	Saturated brine would be used through salt sections.
2,378'	7,112'	WBM/Brine	8.5	9.5	
7,112'	18,605'	OBM	9.0	11.0	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**
c. **Coring Operations are not planned.**

7. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

Anticipated BHP	**4,421**	psi
Anticipated BHT	**134.7622256**	°F
Anticipated abnormal pressures?	**No**	
Describe abnormal pressures	N/A - 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	

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 Onshore Order 2

CICADA UNIT 71H R2 mdv 26May23 Proposal Geodetic Report

(Def Plan)

Report Date:	May 31, 2023 - 08:42 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	359.070 ° (Grid North)
Field:	NM, Eddy County (NAD 27 EZ)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron HNM Pkg 25 Tito Pad / 3H	**TVD Reference Datum:**	KB - 28.5ft
Well:	CICADA UNIT 71H	**TVD Reference Elevation:**	3197.500 ft above MSL
Borehole:	CICADA UNIT 71H	**Seabed / Ground Elevation:**	3169.000 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.752 °
Survey Name:	Tito 26 23 Fed St Com 25 3H R2 mdv 26May23	**Total Gravity Field Strength:**	998.4398mgn (9.80665 Based)
Survey Date:	May 26, 2023	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	146.494 ° / 11970.624 ft / 6.622 / 1.538	**Total Magnetic Field Strength:**	47407.825 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.627 °
Location Lat / Long:	N 32° 5' 34.32378", W 104° 9' 43.07045"	**Declination Date:**	May 26, 2023
Location Grid N/E Y/X:	N 397551.000 ftUS, E 553070.000 ftUS	**Magnetic Declination Model:**	HDGM 2023
CRS Grid Convergence Angle:	0.0910 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99991232	**Grid Convergence Used:**	0.0910 °
Version / Patch:	2.10.834.0	**Total Corr Mag North->Grid North:**	6.6612 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
Salado (SLDO)	*28.50*	*0.00*	*118.00*	*28.50*	*0.00*	*0.00*	*0.00*	*0.00*	*397551.00*	*553070.00*	*N 32 5 34.32*	*W 104 9 43.07*
	100.00	0.00	118.00	100.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	200.00	0.00	118.00	200.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	300.00	0.00	118.00	300.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	400.00	0.00	118.00	400.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
13 3/8" Casing	*450.00*	*0.00*	*118.00*	*450.00*	*0.00*	*0.00*	*0.00*	*0.00*	*397551.00*	*553070.00*	*N 32 5 34.32*	*W 104 9 43.07*
	500.00	0.00	118.00	500.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
Castile (CSTL)	*589.99*	*0.00*	*118.00*	*589.99*	*0.00*	*0.00*	*0.00*	*0.00*	*397551.00*	*553070.00*	*N 32 5 34.32*	*W 104 9 43.07*
	600.00	0.00	118.00	600.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	700.00	0.00	118.00	700.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
Build 1.5°/100ft	750.00	0.00	118.00	750.00	0.00	0.00	0.00	0.00	397551.00	553070.00	N 32 5 34.32	W 104 9 43.07
	800.00	0.75	118.00	800.00	-0.16	-0.15	0.29	1.50	397550.85	553070.29	N 32 5 34.32	W 104 9 43.07
	900.00	2.25	118.00	899.96	-1.42	-1.38	2.60	1.50	397549.62	553072.60	N 32 5 34.31	W 104 9 43.04
	1000.00	3.75	118.00	999.82	-3.96	-3.84	7.22	1.50	397547.16	553077.22	N 32 5 34.29	W 104 9 42.99
	1100.00	5.25	118.00	1099.51	-7.75	-7.52	14.15	1.50	397543.48	553084.15	N 32 5 34.25	W 104 9 42.91
	1200.00	6.75	118.00	1198.96	-12.81	-12.43	23.38	1.50	397538.57	553093.38	N 32 5 34.20	W 104 9 42.80
	1300.00	8.25	118.00	1298.10	-19.12	-18.56	34.90	1.50	397532.44	553104.90	N 32 5 34.14	W 104 9 42.67
	1400.00	9.75	118.00	1396.87	-26.69	-25.90	48.71	1.50	397525.10	553118.71	N 32 5 34.07	W 104 9 42.50
	1500.00	11.25	118.00	1495.19	-35.50	-34.46	64.80	1.50	397516.55	553134.80	N 32 5 33.98	W 104 9 42.32
	1600.00	12.75	118.00	1593.00	-45.56	-44.22	83.16	1.50	397506.79	553153.15	N 32 5 33.88	W 104 9 42.10
	1700.00	14.25	118.00	1690.24	-56.85	-55.18	103.77	1.50	397495.83	553173.76	N 32 5 33.78	W 104 9 41.87
Hold	1750.00	15.00	118.00	1738.62	-62.96	-61.10	114.92	1.50	397489.90	553184.91	N 32 5 33.72	W 104 9 41.74
	1800.00	15.00	118.00	1786.91	-69.22	-67.18	126.35	0.00	397483.83	553196.33	N 32 5 33.66	W 104 9 41.60
	1900.00	15.00	118.00	1883.50	-81.74	-79.33	149.20	0.00	397471.68	553219.18	N 32 5 33.54	W 104 9 41.34
	2000.00	15.00	118.00	1980.10	-94.26	-91.48	172.05	0.00	397459.53	553242.03	N 32 5 33.42	W 104 9 41.07
	2100.00	15.00	118.00	2076.69	-106.78	-103.63	194.90	0.00	397447.38	553264.88	N 32 5 33.30	W 104 9 40.81
	2200.00	15.00	118.00	2173.28	-119.30	-115.78	217.75	0.00	397435.23	553287.74	N 32 5 33.17	W 104 9 40.54
	2300.00	15.00	118.00	2269.88	-131.82	-127.93	240.61	0.00	397423.08	553310.59	N 32 5 33.05	W 104 9 40.28
9 5/8" Casing	*2335.65*	*15.00*	*118.00*	*2304.31*	*-136.28*	*-132.26*	*248.75*	*0.00*	*397418.75*	*553318.73*	*N 32 5 33.01*	*W 104 9 40.18*
Lamar (LMAR)	*2397.77*	*15.00*	*118.00*	*2364.31*	*-144.06*	*-139.81*	*262.95*	*0.00*	*397411.20*	*553332.93*	*N 32 5 32.94*	*W 104 9 40.02*
	2400.00	15.00	118.00	2366.47	-144.34	-140.08	263.46	0.00	397410.93	553333.44	N 32 5 32.93	W 104 9 40.01
Bell Canyon (BLCN)	*2428.53*	*15.00*	*118.00*	*2394.03*	*-147.91*	*-143.55*	*269.98*	*0.00*	*397407.46*	*553339.96*	*N 32 5 32.90*	*W 104 9 39.93*
	2500.00	15.00	118.00	2463.06	-156.86	-152.23	286.31	0.00	397398.78	553356.29	N 32 5 32.81	W 104 9 39.75
	2600.00	15.00	118.00	2559.65	-169.38	-164.39	309.16	0.00	397386.63	553379.14	N 32 5 32.69	W 104 9 39.48
	2700.00	15.00	118.00	2656.25	-181.90	-176.54	332.02	0.00	397374.48	553401.99	N 32 5 32.57	W 104 9 39.21
Turn 1.5°/100ft	2750.00	15.00	118.00	2704.54	-188.16	-182.61	343.44	0.00	397368.40	553413.41	N 32 5 32.51	W 104 9 39.08
	2800.00	14.87	115.13	2752.85	-194.11	-188.37	354.96	1.50	397362.64	553424.93	N 32 5 32.45	W 104 9 38.95
	2900.00	14.72	109.29	2849.54	-204.14	-198.02	378.57	1.50	397353.00	553448.53	N 32 5 32.36	W 104 9 38.67
	3000.00	14.71	103.38	2946.27	-211.67	-205.15	402.91	1.50	397345.87	553472.87	N 32 5 32.29	W 104 9 38.39
	3100.00	14.85	97.53	3042.97	-216.69	-209.77	427.97	1.50	397341.25	553497.93	N 32 5 32.24	W 104 9 38.10
Hold	3156.93	15.00	94.26	3097.98	-218.43	-211.27	442.55	1.50	397339.75	553512.51	N 32 5 32.23	W 104 9 37.93
	3200.00	15.00	94.26	3139.58	-219.44	-212.10	453.67	0.00	397338.92	553523.63	N 32 5 32.22	W 104 9 37.80
Cherry Canyon (CRCN)	*3284.52*	*15.00*	*94.26*	*3221.22*	*-221.42*	*-213.73*	*475.49*	*0.00*	*397337.29*	*553545.45*	*N 32 5 32.20*	*W 104 9 37.55*
	3300.00	15.00	94.26	3236.17	-221.78	-214.02	479.49	0.00	397337.00	553549.44	N 32 5 32.20	W 104 9 37.50
	3400.00	15.00	94.26	3332.76	-224.12	-215.95	505.30	0.00	397335.07	553575.25	N 32 5 32.18	W 104 9 37.20
	3500.00	15.00	94.26	3429.35	-226.46	-217.87	531.11	0.00	397333.15	553601.07	N 32 5 32.16	W 104 9 36.90
	3600.00	15.00	94.26	3525.95	-228.80	-219.79	556.93	0.00	397331.23	553626.88	N 32 5 32.14	W 104 9 36.60
Drop 0.75°/100ft	3679.11	15.00	94.26	3602.36	-230.65	-221.31	577.35	0.00	397329.71	553647.30	N 32 5 32.12	W 104 9 36.36
	3700.00	14.85	94.26	3622.54	-231.14	-221.71	582.71	0.75	397329.31	553652.66	N 32 5 32.12	W 104 9 36.30
	3800.00	14.10	94.26	3719.37	-233.40	-223.57	607.63	0.75	397327.45	553677.58	N 32 5 32.10	W 104 9 36.01
	3900.00	13.35	94.26	3816.52	-235.55	-225.33	631.28	0.75	397325.69	553701.23	N 32 5 32.08	W 104 9 35.74
	4000.00	12.60	94.26	3913.97	-237.58	-227.00	653.67	0.75	397324.02	553723.61	N 32 5 32.07	W 104 9 35.48
	4100.00	11.85	94.26	4011.70	-239.49	-228.57	674.77	0.75	397322.45	553744.71	N 32 5 32.05	W 104 9 35.23
	4200.00	11.10	94.26	4109.70	-241.29	-230.04	694.60	0.75	397320.98	553764.54	N 32 5 32.04	W 104 9 35.00
	4300.00	10.35	94.26	4207.96	-242.97	-231.43	713.15	0.75	397319.59	553783.09	N 32 5 32.02	W 104 9 34.79
	4400.00	9.60	94.26	4306.44	-244.54	-232.71	730.42	0.75	397318.31	553800.35	N 32 5 32.01	W 104 9 34.58
Brushy Canyon (BCN)	*4454.10*	*9.19*	*94.26*	*4359.82*	*-245.34*	*-233.37*	*739.22*	*0.75*	*397317.65*	*553809.16*	*N 32 5 32.00*	*W 104 9 34.48*
	4500.00	8.85	94.26	4405.15	-245.99	-233.90	746.40	0.75	397317.12	553816.33	N 32 5 32.00	W 104 9 34.40
	4600.00	8.10	94.26	4504.06	-247.32	-235.00	761.09	0.75	397316.02	553831.02	N 32 5 31.99	W 104 9 34.23
	4700.00	7.35	94.26	4603.15	-248.53	-235.99	774.48	0.75	397315.03	553844.41	N 32 5 31.98	W 104 9 34.07
	4800.00	6.60	94.26	4702.41	-249.63	-236.90	786.59	0.75	397314.13	553856.51	N 32 5 31.97	W 104 9 33.93
	4900.00	5.85	94.26	4801.82	-250.61	-237.70	797.39	0.75	397313.32	553867.32	N 32 5 31.96	W 104 9 33.81
	5000.00	5.10	94.26	4901.37	-251.47	-238.41	806.90	0.75	397312.61	553876.82	N 32 5 31.95	W 104 9 33.70
	5100.00	4.35	94.26	5001.03	-252.22	-239.02	815.10	0.75	397312.00	553885.03	N 32 5 31.95	W 104 9 33.60
	5200.00	3.60	94.26	5100.79	-252.84	-239.53	822.01	0.75	397311.49	553891.93	N 32 5 31.94	W 104 9 33.52
	5300.00	2.85	94.26	5200.63	-253.35	-239.95	827.61	0.75	397311.07	553897.53	N 32 5 31.94	W 104 9 33.46
	5400.00	2.10	94.26	5300.53	-253.74	-240.27	831.91	0.75	397310.75	553901.83	N 32 5 31.93	W 104 9 33.41
	5500.00	1.35	94.26	5400.49	-254.01	-240.49	834.90	0.75	397310.53	553904.83	N 32 5 31.93	W 104 9 33.37
	5600.00	0.60	94.26	5500.47	-254.17	-240.62	836.59	0.75	397310.40	553906.51	N 32 5 31.93	W 104 9 33.35
Hold Vertical	5679.36	0.00	94.26	5579.83	-254.20	-240.65	837.00	0.75	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	5700.00	0.00	94.26	5600.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	5800.00	0.00	94.26	5700.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	5900.00	0.00	94.26	5800.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6000.00	0.00	94.26	5900.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
Bone Spring Lime (BSGL)	*6099.49*	*0.00*	*94.26*	*5999.96*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	6100.00	0.00	94.26	6000.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
Avalon Upper (AVU)	*6199.18*	*0.00*	*94.26*	*6099.65*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	6200.00	0.00	94.26	6100.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6300.00	0.00	94.26	6200.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6400.00	0.00	94.26	6300.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6500.00	0.00	94.26	6400.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
Avalon Lower (AVL)	*6599.12*	*0.00*	*94.26*	*6499.59*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	6600.00	0.00	94.26	6500.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6700.00	0.00	94.26	6600.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	6800.00	0.00	94.26	6700.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
7" Casing	*6885.90*	*0.00*	*94.26*	*6786.37*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	6900.00	0.00	94.26	6800.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
First Bone Spring Upper (FBU)	*6955.90*	*0.00*	*94.26*	*6856.37*	*-254.20*	*-240.65*	*837.00*	*0.00*	*397310.37*	*553906.92*	*N 32 5 31.93*	*W 104 9 33.35*
	7000.00	0.00	94.26	6900.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
	7100.00	0.00	94.26	7000.47	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
Build 8°/100ft	7112.36	0.00	94.26	7012.83	-254.20	-240.65	837.00	0.00	397310.37	553906.92	N 32 5 31.93	W 104 9 33.35
First Bone Spring Lower (FBL)	*7195.53*	*6.65*	*1.16*	*7095.82*	*-249.38*	*-235.83*	*837.10*	*8.00*	*397315.19*	*553907.02*	*N 32 5 31.98*	*W 104 9 33.34*
	7200.00	7.01	1.16	7100.25	-248.85	-235.30	837.11	8.00	397315.73	553907.03	N 32 5 31.98	W 104 9 33.34
	7300.00	15.01	1.16	7198.33	-229.78	-216.21	837.50	8.00	397334.81	553907.42	N 32 5 32.17	W 104 9 33.34
	7400.00	23.01	1.16	7292.80	-197.25	-183.67	838.16	8.00	397367.34	553908.08	N 32 5 32.49	W 104 9 33.33
	7500.00	31.01	1.16	7381.82	-151.90	-138.30	839.08	8.00	397412.71	553909.00	N 32 5 32.94	W 104 9 33.32
Second Bone Spring Upper (SBU)	*7579.99*	*37.41*	*1.16*	*7447.94*	*-106.98*	*-93.36*	*839.99*	*8.00*	*397457.65*	*553909.92*	*N 32 5 33.39*	*W 104 9 33.31*
	7600.00	39.01	1.16	7463.66	-94.61	-80.99	840.24	8.00	397470.02	553910.17	N 32 5 33.51	W 104 9 33.31
45° XO	*7674.86*	*45.00*	*1.16*	*7519.26*	*-44.57*	*-30.92*	*841.26*	*8.00*	*397520.08*	*553911.18*	*N 32 5 34.00*	*W 104 9 33.29*
	7700.00	47.01	1.16	7536.72	-26.50	-12.84	841.63	8.00	397538.16	553911.55	N 32 5 34.18	W 104 9 33.29
	7800.00	55.01	1.16	7599.59	51.11	64.81	843.20	8.00	397615.80	553913.13	N 32 5 34.95	W 104 9 33.27
	7900.00	63.01	1.16	7651.03	136.71	150.45	844.94	8.00	397701.43	553914.87	N 32 5 35.80	W 104 9 33.25
	8000.00	71.01	1.16	7690.05	228.64	242.41	846.81	8.00	397793.39	553916.74	N 32 5 36.71	W 104 9 33.22
	8100.00	79.01	1.16	7715.90	325.09	338.91	848.77	8.00	397889.88	553918.69	N 32 5 37.66	W 104 9 33.20
	8200.00	87.01	1.16	7728.05	424.20	438.07	850.78	8.00	397989.03	553920.71	N 32 5 38.65	W 104 9 33.17
Landing Point	8230.82	89.48	1.16	7729.00	454.98	468.86	851.41	8.00	398019.82	553921.33	N 32 5 38.95	W 104 9 33.17
FTP Cross	*8231.96*	*89.48*	*1.16*	*7729.01*	*456.12*	*470.00*	*851.43*	*0.00*	*398020.96*	*553921.36*	*N 32 5 38.96*	*W 104 9 33.16*
	8300.00	89.48	1.16	7729.63	524.11	538.03	852.81	0.00	398088.98	553922.74	N 32 5 39.63	W 104 9 33.15
	8400.00	89.48	1.16	7730.54	624.04	638.00	854.85	0.00	398188.94	553924.77	N 32 5 40.62	W 104 9 33.12
Turn 2°/100ft	8427.71	89.48	1.16	7730.80	651.73	665.70	855.41	0.00	398216.64	553925.33	N 32 5 40.90	W 104 9 33.11
	8500.00	89.48	359.72	7731.46	724.00	737.99	855.96	2.00	398288.92	553925.89	N 32 5 41.61	W 104 9 33.11
	8600.00	89.48	357.72	7732.37	823.99	837.95	853.73	2.00	398388.88	553923.65	N 32 5 42.60	W 104 9 33.13
	8700.00	89.48	355.72	7733.28	923.89	937.78	848.00	2.00	398488.70	553917.92	N 32 5 43.59	W 104 9 33.20
	8800.00	89.48	353.72	7734.19	1023.60	1037.35	838.79	2.00	398588.25	553908.72	N 32 5 44.58	W 104 9 33.30
	8900.00	89.48	351.72	7735.10	1122.97	1136.53	826.12	2.00	398687.43	553896.05	N 32 5 45.56	W 104 9 33.45
Hold	8922.36	89.48	351.27	7735.30	1145.14	1158.65	822.81	2.00	398709.54	553892.74	N 32 5 45.78	W 104 9 33.48
	9000.00	89.48	351.27	7736.00	1222.05	1235.38	811.03	0.00	398786.27	553880.96	N 32 5 46.54	W 104 9 33.62
	9100.00	89.48	351.27	7736.90	1321.13	1334.22	795.85	0.00	398885.10	553865.78	N 32 5 47.51	W 104 9 33.79
	9200.00	89.48	351.27	7737.80	1420.20	1433.06	780.67	0.00	398983.93	553850.60	N 32 5 48.49	W 104 9 33.97
	9300.00	89.48	351.27	7738.71	1519.27	1531.89	765.50	0.00	399082.76	553835.43	N 32 5 49.47	W 104 9 34.14
	9400.00	89.48	351.27	7739.61	1618.34	1630.73	750.32	0.00	399181.58	553820.25	N 32 5 50.45	W 104 9 34.32
	9500.00	89.48	351.27	7740.51	1717.41	1729.57	735.14	0.00	399280.41	553805.08	N 32 5 51.43	W 104 9 34.49
	9600.00	89.48	351.27	7741.41	1816.48	1828.41	719.97	0.00	399379.24	553789.90	N 32 5 52.41	W 104 9 34.67
	9700.00	89.48	351.27	7742.31	1915.55	1927.24	704.79	0.00	399478.07	553774.72	N 32 5 53.38	W 104 9 34.84
	9800.00	89.48	351.27	7743.22	2014.62	2026.08	689.61	0.00	399576.90	553759.55	N 32 5 54.36	W 104 9 35.02
	9900.00	89.48	351.27	7744.12	2113.69	2124.92	674.43	0.00	399675.73	553744.37	N 32 5 55.34	W 104 9 35.19
	10000.00	89.48	351.27	7745.02	2212.76	2223.76	659.26	0.00	399774.56	553729.20	N 32 5 56.32	W 104 9 35.37
	10100.00	89.48	351.27	7745.92	2311.83	2322.59	644.08	0.00	399873.38	553714.02	N 32 5 57.30	W 104 9 35.54
	10200.00	89.48	351.27	7746.83	2410.90	2421.43	628.90	0.00	399972.21	553698.85	N 32 5 58.28	W 104 9 35.71
	10300.00	89.48	351.27	7747.73	2509.97	2520.27	613.72	0.00	400071.04	553683.67	N 32 5 59.25	W 104 9 35.89
	10400.00	89.48	351.27	7748.63	2609.05	2619.10	598.55	0.00	400169.87	553668.49	N 32 6 0.23	W 104 9 36.06
	10500.00	89.48	351.27	7749.53	2708.12	2717.94	583.37	0.00	400268.70	553653.32	N 32 6 1.21	W 104 9 36.24
	10600.00	89.48	351.27	7750.44	2807.19	2816.78	568.19	0.00	400367.53	553638.14	N 32 6 2.19	W 104 9 36.41
	10700.00	89.48	351.27	7751.34	2906.26	2915.62	553.02	0.00	400466.36	553622.97	N 32 6 3.17	W 104 9 36.59
	10800.00	89.48	351.27	7752.24	3005.33	3014.45	537.84	0.00	400565.18	553607.79	N 32 6 4.15	W 104 9 36.76
	10900.00	89.48	351.27	7753.14	3104.40	3113.29	522.66	0.00	400664.01	553592.61	N 32 6 5.12	W 104 9 36.94
	11000.00	89.48	351.27	7754.04	3203.47	3212.13	507.48	0.00	400762.84	553577.44	N 32 6 6.10	W 104 9 37.11
	11100.00	89.48	351.27	7754.95	3302.54	3310.97	492.31	0.00	400861.67	553562.26	N 32 6 7.08	W 104 9 37.29
	11200.00	89.48	351.27	7755.85	3401.61	3409.80	477.13	0.00	400960.50	553547.09	N 32 6 8.06	W 104 9 37.46
	11300.00	89.48	351.27	7756.75	3500.68	3508.64	461.95	0.00	401059.33	553531.91	N 32 6 9.04	W 104 9 37.64
	11400.00	89.48	351.27	7757.65	3599.75	3607.48	446.78	0.00	401158.16	553516.74	N 32 6 10.02	W 104 9 37.81
	11500.00	89.48	351.27	7758.56	3698.82	3706.32	431.60	0.00	401256.98	553501.56	N 32 6 10.99	W 104 9 37.98
	11600.00	89.48	351.27	7759.46	3797.89	3805.15	416.42	0.00	401355.81	553486.38	N 32 6 11.97	W 104 9 38.16
	11700.00	89.48	351.27	7760.36	3896.96	3903.99	401.24	0.00	401454.64	553471.21	N 32 6 12.95	W 104 9 38.33
	11800.00	89.48	351.27	7761.26	3996.04	4002.83	386.07	0.00	401553.47	553456.03	N 32 6 13.93	W 104 9 38.51
	11900.00	89.48	351.27	7762.17	4095.11	4101.67	370.89	0.00	401652.30	553440.86	N 32 6 14.91	W 104 9 38.68
	12000.00	89.48	351.27	7763.07	4194.18	4200.50	355.71	0.00	401751.13	553425.68	N 32 6 15.88	W 104 9 38.86
	12100.00	89.48	351.27	7763.97	4293.25	4299.34	340.53	0.00	401849.96	553410.50	N 32 6 16.86	W 104 9 39.03
	12200.00	89.48	351.27	7764.87	4392.32	4398.18	325.36	0.00	401948.78	553395.33	N 32 6 17.84	W 104 9 39.21
	12300.00	89.48	351.27	7765.77	4491.39	4497.02	310.18	0.00	402047.61	553380.15	N 32 6 18.82	W 104 9 39.38
	12400.00	89.48	351.27	7766.68	4590.46	4595.85	295.00	0.00	402146.44	553364.98	N 32 6 19.80	W 104 9 39.56
	12500.00	89.48	351.27	7767.58	4689.53	4694.69	279.83	0.00	402245.27	553349.80	N 32 6 20.78	W 104 9 39.73
	12600.00	89.48	351.27	7768.48	4788.60	4793.53	264.65	0.00	402344.10	553334.62	N 32 6 21.75	W 104 9 39.91
	12700.00	89.48	351.27	7769.38	4887.67	4892.37	249.47	0.00	402442.93	553319.45	N 32 6 22.73	W 104 9 40.08
	12800.00	89.48	351.27	7770.29	4986.74	4991.20	234.29	0.00	402541.76	553304.27	N 32 6 23.71	W 104 9 40.25
	12900.00	89.48	351.27	7771.19	5085.81	5090.04	219.12	0.00	402640.58	553289.10	N 32 6 24.69	W 104 9 40.43
	13000.00	89.48	351.27	7772.09	5184.88	5188.88	203.94	0.00	402739.41	553273.92	N 32 6 25.67	W 104 9 40.60
	13100.00	89.48	351.27	7772.99	5283.96	5287.72	188.76	0.00	402838.24	553258.75	N 32 6 26.65	W 104 9 40.78
	13200.00	89.48	351.27	7773.90	5383.03	5386.55	173.59	0.00	402937.07	553243.57	N 32 6 27.62	W 104 9 40.95
	13300.00	89.48	351.27	7774.80	5482.10	5485.39	158.41	0.00	403035.90	553228.39	N 32 6 28.60	W 104 9 41.13
MP, Build/Turn 2°/100ft	13322.36	89.48	351.27	7775.00	5504.25	5507.49	155.01	0.00	403058.00	553225.00	N 32 6 28.82	W 104 9 41.17
	13400.00	89.55	352.82	7775.65	5581.30	5584.38	144.27	2.00	403134.88	553214.26	N 32 6 29.58	W 104 9 41.29
	13500.00	89.65	354.82	7776.35	5680.87	5683.79	133.51	2.00	403234.28	553203.49	N 32 6 30.57	W 104 9 41.41
	13600.00	89.74	356.82	7776.89	5780.71	5783.52	126.21	2.00	403334.00	553196.20	N 32 6 31.55	W 104 9 41.50
	13700.00	89.83	358.81	7777.27	5880.68	5883.44	122.40	2.00	403433.91	553192.39	N 32 6 32.54	W 104 9 41.54
Hold	13749.48	89.88	359.80	7777.40	5930.15	5932.91	121.81	2.00	403483.38	553191.80	N 32 6 33.03	W 104 9 41.54
	13800.00	89.88	359.80	7777.51	5980.67	5983.43	121.63	0.00	403533.90	553191.62	N 32 6 33.53	W 104 9 41.55
	13900.00	89.88	359.80	7777.72	6080.66	6083.43	121.29	0.00	403633.89	553191.28	N 32 6 34.52	W 104 9 41.55
	14000.00	89.88	359.80	7777.94	6180.65	6183.43	120.95	0.00	403733.88	553190.94	N 32 6 35.51	W 104 9 41.55
	14100.00	89.88	359.80	7778.16	6280.65	6283.43	120.61	0.00	403833.87	553190.59	N 32 6 36.50	W 104 9 41.55
	14200.00	89.88	359.80	7778.38	6380.64	6383.43	120.26	0.00	403933.86	553190.25	N 32 6 37.49	W 104 9 41.55
	14300.00	89.88	359.80	7778.59	6480.63	6483.43	119.92	0.00	404033.85	553189.91	N 32 6 38.48	W 104 9 41.56
	14400.00	89.88	359.80	7778.81	6580.62	6583.43	119.58	0.00	404133.84	553189.57	N 32 6 39.47	W 104 9 41.56
	14500.00	89.88	359.80	7779.03	6680.61	6683.43	119.23	0.00	404233.83	553189.22	N 32 6 40.46	W 104 9 41.56
	14600.00	89.88	359.80	7779.25	6780.60	6783.43	118.89	0.00	404333.82	553188.88	N 32 6 41.45	W 104 9 41.56
	14700.00	89.88	359.80	7779.46	6880.60	6883.43	118.55	0.00	404433.81	553188.54	N 32 6 42.44	W 104 9 41.57
	14800.00	89.88	359.80	7779.68	6980.59	6983.43	118.20	0.00	404533.80	553188.19	N 32 6 43.43	W 104 9 41.57
	14900.00	89.88	359.80	7779.90	7080.58	7083.42	117.86	0.00	404633.79	553187.85	N 32 6 44.42	W 104 9 41.57
	15000.00	89.88	359.80	7780.12	7180.57	7183.42	117.52	0.00	404733.78	553187.51	N 32 6 45.41	W 104 9 41.57
	15100.00	89.88	359.80	7780.33	7280.56	7283.42	117.17	0.00	404833.77	553187.16	N 32 6 46.40	W 104 9 41.57
	15200.00	89.88	359.80	7780.55	7380.55	7383.42	116.83	0.00	404933.76	553186.82	N 32 6 47.39	W 104 9 41.58
	15300.00	89.88	359.80	7780.77	7480.54	7483.42	116.49	0.00	405033.75	553186.48	N 32 6 48.38	W 104 9 41.58
	15400.00	89.88	359.80	7780.98	7580.54	7583.42	116.15	0.00	405133.74	553186.13	N 32 6 49.36	W 104 9 41.58
	15500.00	89.88	359.80	7781.20	7680.53	7683.42	115.80	0.00	405233.73	553185.79	N 32 6 50.35	W 104 9 41.58
	15600.00	89.88	359.80	7781.42	7780.52	7783.42	115.46	0.00	405333.72	553185.45	N 32 6 51.34	W 104 9 41.58
	15700.00	89.88	359.80	7781.64	7880.51	7883.42	115.12	0.00	405433.71	553185.11	N 32 6 52.33	W 104 9 41.59

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	15800.00	89.88	359.80	7781.85	7980.50	7983.42	114.77	0.00	405533.70	553184.76	N 32 6 53.32	W 104 9 41.59
	15900.00	89.88	359.80	7782.07	8080.49	8083.42	114.43	0.00	405633.69	553184.42	N 32 6 54.31	W 104 9 41.59
	16000.00	89.88	359.80	7782.29	8180.49	8183.42	114.09	0.00	405733.68	553184.08	N 32 6 55.30	W 104 9 41.59
	16100.00	89.88	359.80	7782.51	8280.48	8283.41	113.74	0.00	405833.67	553183.73	N 32 6 56.29	W 104 9 41.59
	16200.00	89.88	359.80	7782.72	8380.47	8383.41	113.40	0.00	405933.66	553183.39	N 32 6 57.28	W 104 9 41.60
	16300.00	89.88	359.80	7782.94	8480.46	8483.41	113.06	0.00	406033.65	553183.05	N 32 6 58.27	W 104 9 41.60
	16400.00	89.88	359.80	7783.16	8580.45	8583.41	112.71	0.00	406133.64	553182.70	N 32 6 59.26	W 104 9 41.60
	16500.00	89.88	359.80	7783.38	8680.44	8683.41	112.37	0.00	406233.63	553182.36	N 32 7 0.25	W 104 9 41.60
	16600.00	89.88	359.80	7783.59	8780.44	8783.41	112.03	0.00	406333.62	553182.02	N 32 7 1.24	W 104 9 41.61
	16700.00	89.88	359.80	7783.81	8880.43	8883.41	111.69	0.00	406433.61	553181.68	N 32 7 2.23	W 104 9 41.61
	16800.00	89.88	359.80	7784.03	8980.42	8983.41	111.34	0.00	406533.60	553181.33	N 32 7 3.22	W 104 9 41.61
	16900.00	89.88	359.80	7784.25	9080.41	9083.41	111.00	0.00	406633.59	553180.99	N 32 7 4.21	W 104 9 41.61
	17000.00	89.88	359.80	7784.46	9180.40	9183.41	110.66	0.00	406733.58	553180.65	N 32 7 5.20	W 104 9 41.61
IFP1, Build 2°/100ft	17016.42	89.88	359.80	7784.50	9196.82	9199.83	110.60	0.00	406750.00	553180.59	N 32 7 5.36	W 104 9 41.61
	17100.00	91.55	359.80	7783.46	9280.38	9283.40	110.31	2.00	406833.56	553180.30	N 32 7 6.19	W 104 9 41.62
Hold to TD	17140.23	92.35	359.80	7782.09	9320.58	9323.60	110.17	2.00	406873.76	553180.16	N 32 7 6.59	W 104 9 41.62
	17200.00	92.35	359.80	7779.64	9380.30	9383.32	109.96	0.00	406933.48	553179.95	N 32 7 7.18	W 104 9 41.62
	17300.00	92.35	359.80	7775.54	9480.21	9483.24	109.61	0.00	407033.39	553179.60	N 32 7 8.16	W 104 9 41.62
	17400.00	92.35	359.80	7771.44	9580.12	9583.15	109.25	0.00	407133.29	553179.24	N 32 7 9.15	W 104 9 41.62
	17500.00	92.35	359.80	7767.33	9680.03	9683.07	108.90	0.00	407233.20	553178.89	N 32 7 10.14	W 104 9 41.63
	17600.00	92.35	359.80	7763.23	9779.93	9782.98	108.55	0.00	407333.11	553178.54	N 32 7 11.13	W 104 9 41.63
	17700.00	92.35	359.80	7759.13	9879.84	9882.90	108.20	0.00	407433.01	553178.19	N 32 7 12.12	W 104 9 41.63
	17800.00	92.35	359.80	7755.02	9979.75	9982.81	107.84	0.00	407532.92	553177.84	N 32 7 13.11	W 104 9 41.63
	17900.00	92.35	359.80	7750.92	10079.66	10082.73	107.49	0.00	407632.82	553177.48	N 32 7 14.10	W 104 9 41.63
	18000.00	92.35	359.80	7746.82	10179.56	10182.64	107.14	0.00	407732.73	553177.13	N 32 7 15.09	W 104 9 41.64
	18100.00	92.35	359.80	7742.71	10279.47	10282.56	106.79	0.00	407832.64	553176.78	N 32 7 16.07	W 104 9 41.64
	18200.00	92.35	359.80	7738.61	10379.38	10382.47	106.44	0.00	407932.54	553176.43	N 32 7 17.06	W 104 9 41.64
	18300.00	92.35	359.80	7734.51	10479.29	10482.39	106.08	0.00	408032.45	553176.07	N 32 7 18.05	W 104 9 41.64
	18400.00	92.35	359.80	7730.40	10579.19	10582.30	105.73	0.00	408132.36	553175.72	N 32 7 19.04	W 104 9 41.65
	18500.00	92.35	359.80	7726.30	10679.10	10682.22	105.38	0.00	408232.26	553175.37	N 32 7 20.03	W 104 9 41.65
LTP Cross	*18529.81*	*92.35*	*359.80*	*7725.08*	*10708.88*	*10712.00*	*105.27*	*0.00*	*408262.04*	*553175.26*	*N 32 7 20.32*	*W 104 9 41.65*
	18600.00	92.35	359.80	7722.20	10779.01	10782.14	105.03	0.00	408332.17	553175.02	N 32 7 21.02	W 104 9 41.65
Tito 26 23 Fed St Com 25 3H BHL	18604.84	92.35	359.80	7722.00	10783.84	10786.97	105.01	0.00	408337.00	553175.00	N 32 7 21.07	W 104 9 41.65

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 3 *** 3-D 97.071% Confidence 3.0000 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	28.500	1/100.000	17.500	13.375		B001Mb_MWD+HRGM-Depth Only	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23
	1	28.500	450.000	1/100.000	17.500	13.375		B001Mb_MWD+HRGM	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23
	1	450.000	2335.650	1/100.000	12.250	9.625		B001Mb_MWD+HRGM	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23
	1	2335.650	6885.897	1/100.000	8.750	7.000		B001Mb_MWD+HRGM	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23
	1	6885.897	18604.836	1/100.000	6.125	4.500		B001Mb_MWD+HRGM	Cicada Unit 71H / Cicada Unit 71H R2 mdv 26May23

CHANGE WELL NAME / NUMBER FROM TITO 26 23 FED STATE COM 25 3H TO CICADA UNIT 71H (API # 30-015-49686)

CHANGE SURFACE LOCATION FROM 262' FNL / 2032' FWL TO 340' FNL / 2040' FWL

NO ADDITIONAL REQUESTS AT THIS TIME

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 320496

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 320496
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	If cement does not circulate on any string, a CBL is required for that string of casing.	7/26/2024
dmcclure	All prior COAs are still applicable.	7/26/2024
dmcclure	In the future, clearly state all changes being requested.	7/26/2024