

Well Name: Stetson 7 Federal Com	Well Location: T21S / R33E / SEC 7 / SESW / 32.488092 / -103.615028	County or Parish/State: LEA / NM
Well Number: 603H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM50346	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254671600X1	Well Status: Approved Application for Permit to Drill	Operator: CHISHOLM ENERGY OPERATING LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 03/23/2021	Time Sundry Submitted: 08:48
Date proposed operation will begin: 03/22/2021	

Procedure Description: WELL NAME & NUMBER CHANGE FILED 03/23/2021 CHANGE SHL/KOP FROM: 700 FSL & 1485 FWL TO: 775 FSL & 1725 FWL (32.488298, -103.614250) CHANGE LP/FTP FROM: 100 FNL & 330 FWL TO: 100 FNL & 380 FWL (32.485894, -103.618611) CHANGE LTP/BHL FROM: 100 FSL & 330 FWL TO: 100 FSL & 380 FWL (32.471921, -103.618621)

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- APD_DIR_PLAN_Chisholm_Sombrero_18_Fed_3BS_Com_1H_Rev0_CVS_28Jan21_20210323084755.pdf
- SOMBRERO_18_FED_3BS_COM_1H_SITE_MAP_03222021_20210323084509.pdf
- SOMBRERO_18_FED_3BS_COM_1H_REV_PLAT_03222021_20210323084444.pdf

Received by OCD: 4/28/2021 1:02:00 PM

Page 2 of 11

Well Name: Stetson 7 Federal Com	Well Location: T21S / R33E / SEC 7 / SESW / 32.488092 / -103.615028	County or Parish/State: LEA / NM
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Lease Number: NMNM50346	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254671600X1	Well Status: Approved Application for Permit to Drill	Operator: CHISHOLM ENERGY OPERATING LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: JENNIFER ELROD	Signed on: MAR 23, 2021 08:47 AM
Name: CHISHOLM ENERGY OPERATING LLC	
Title: Senior Regulatory Technician	
Street Address: 801 CHERRY STREET, SUITE 1200-UNIT 20	
City: Fort Worth	State: TX
Phone: (817) 953-3728	
Email address: jelrod@chisholmenergy.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 04/27/2021
Signature: Chris Walls	

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) 746-3460 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 30-025-46716		² Pool Code 97895	³ Pool Name WC-025 G-08 S213304D; BONE SPRING	
⁴ Property Code 326866	⁵ Property Name SOMBRERO 18 3BS FED COM			⁶ Well Number 1H
⁷ OGRID No. 372137	⁸ Operator Name CHISHOLM ENERGY OPERATING, LLC			⁹ Elevation 3900.3'

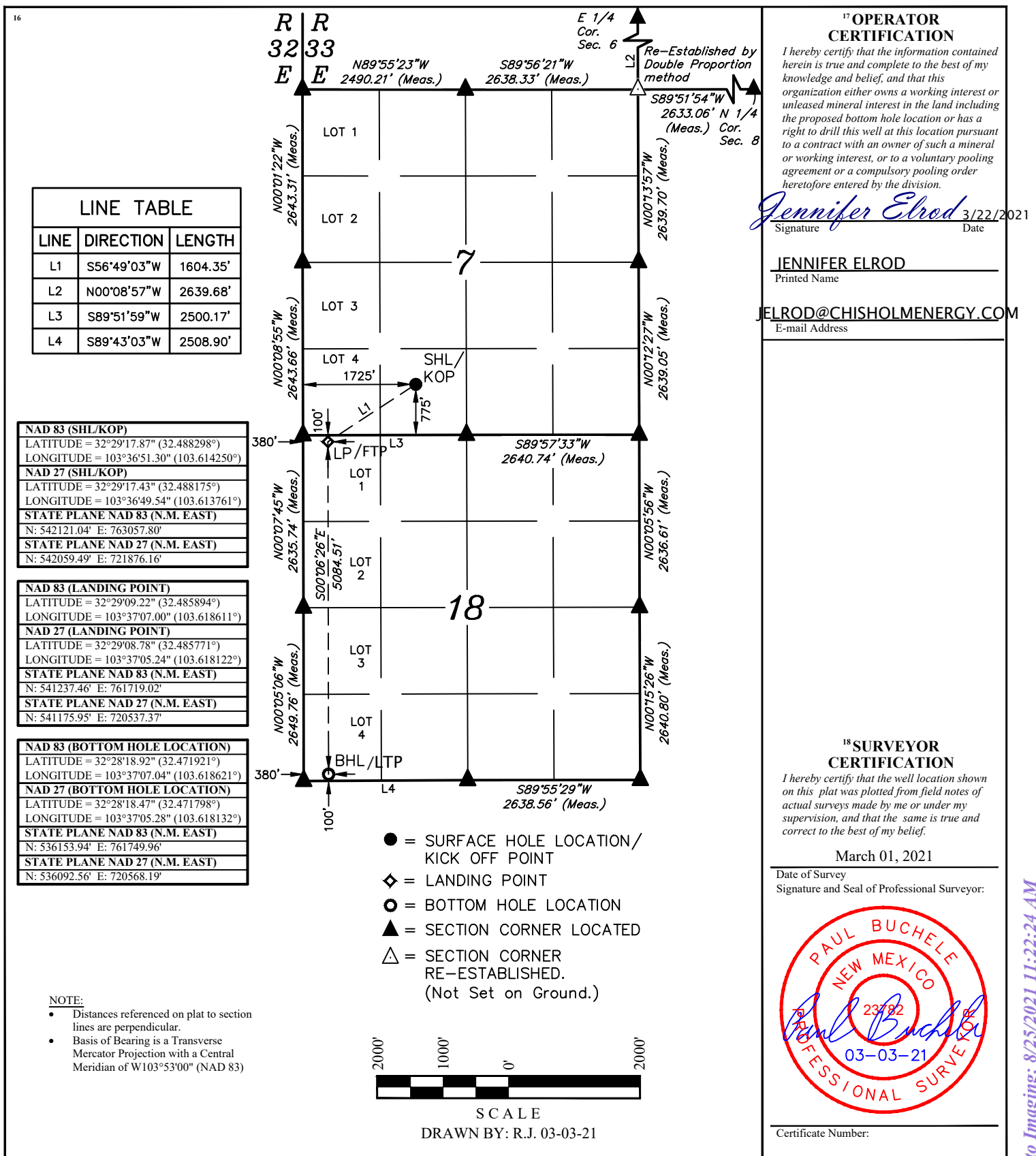
¹⁰ Surface Location

UL or lot no. N	Section 7	Township 21S	Range 33E	Lot Idn	Feet from the 775	North/South line SOUTH	Feet from the 1725	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. 4	Section 18	Township 21S	Range 33E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 380	East/West line WEST	County LEA
¹² Dedicated Acres 143.56		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.



Intent ☒ As Drilled ☐

API # 30-025-46716		
Operator Name: CHISHOLM ENERGY OPERATING, LLC	Property Name: SOMBRERO 18 3BS FED COM	Well Number 1H

Kick Off Point (KOP)

UL N	Section 7	Township 21S	Range 33E	Lot	Feet 775	From N/S SOUTH	Feet 1725	From E/W WEST	County LEA
Latitude 32.488298					Longitude -103.614250			NAD 83	

First Take Point (FTP)

UL	Section 18	Township 21S	Range 33E	Lot 1	Feet 100	From N/S NORTH	Feet 330	From E/W WEST	County LEA
Latitude 32.485894					Longitude -103.618611			NAD 83	

Last Take Point (LTP)

UL	Section 18	Township 21S	Range 33E	Lot 4	Feet 100	From N/S SOUTH	Feet 380	From E/W WEST	County LEA
Latitude 32.471921					Longitude -103.618621			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ YESIs this well an infill well? ☐ NO

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

30-025-46716-SOMBRERO 7 3BS FED COM 1H

CHANGE SHL/KOP

FROM: 700 FSL & 1485 FWL

TO: 775 FSL & 1725 FWL (32.488298, -103.614250)

CHANGE LP/FTP

FROM: 100 FNL & 330 FWL

TO: 100 FNL & 380 FWL

(32.485894, -103.618611)

CHANGE LTP/BHL

FROM: 100 FSL & 330 FWL

TO: 100 FSL & 380 FWL

(32.471921, -103.618621)



Chisholm

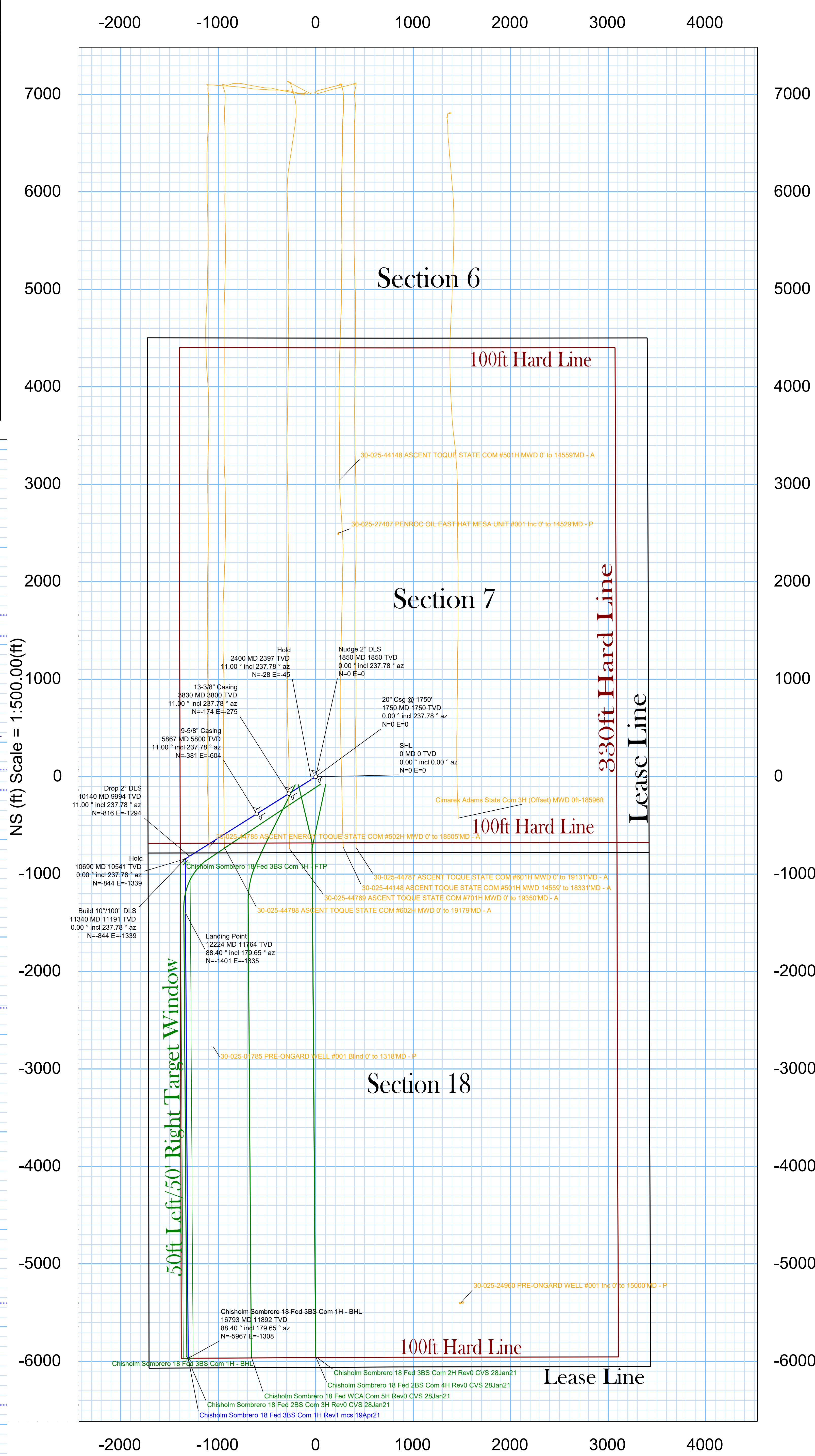
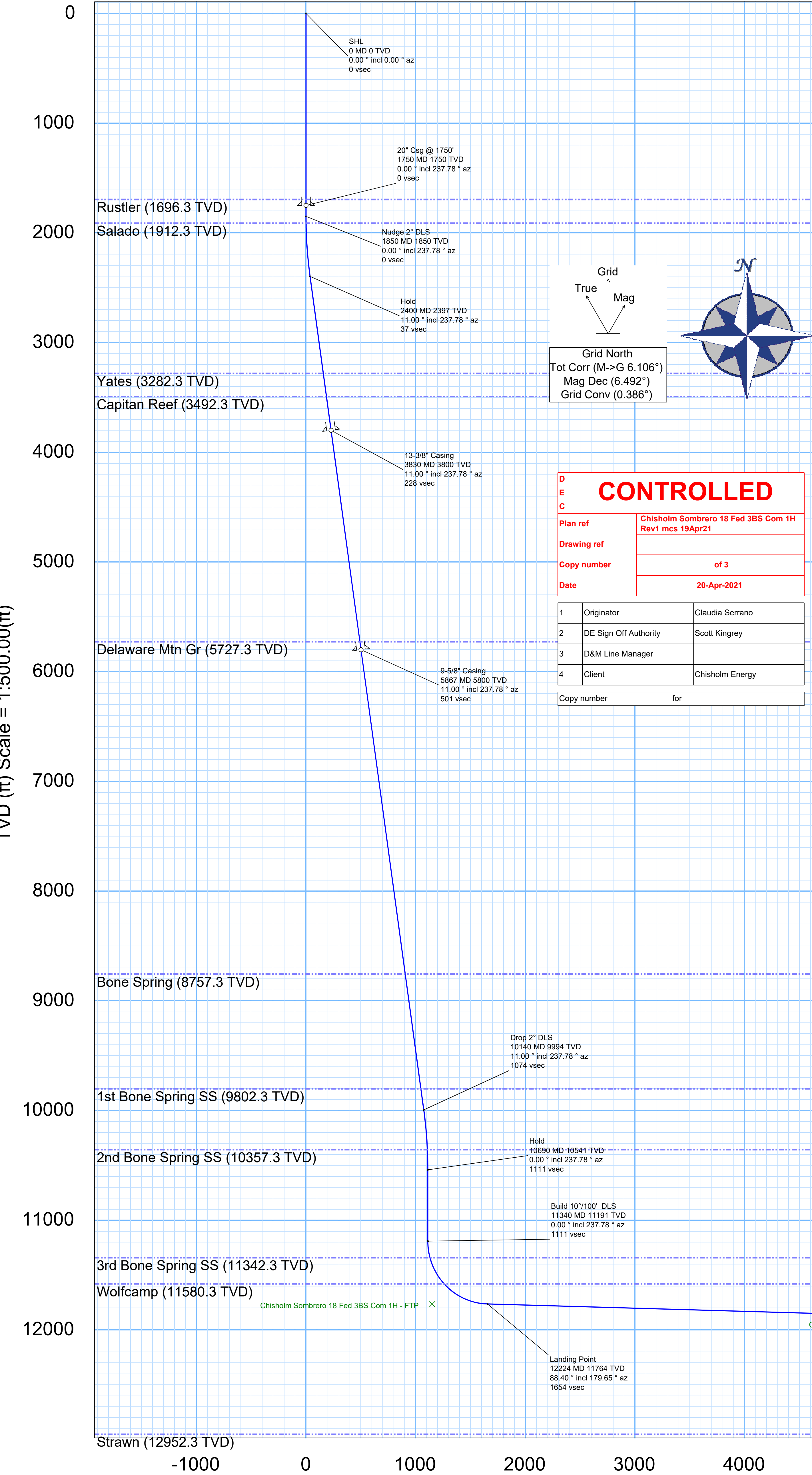
Rev1



Borehole:	Well:	Field:	Structure:
Sombrero 18 Fed 3BS Com 1H	Sombrero 18 Fed 3BS Com 1H	NM Lea County (NAD 83)	Chisholm Sombrero Pad

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	HDGM 2020	Dip:	60.274°	Date:	29-Jan-2021	Lat:	N 32 29 17.87	Northing:	542121.04ftUS	Grid Conv:	0.3863°
MagDec:	6.492°	FS:	47940.571nT	Gravity FS:	998.46mgn (9.80665 Based)	Lon:	W 103 36 51.30	Easting:	763057.8ftUS	Scale Fact:	0.99996539
								Slot:	Sombrero 18 Fed 3BS Com 1H	TVD Ref:	RKB(3926.3ft above MSL)
								Plan:	Chisholm Sombrero 18 Fed 3BS Com 1H Rev1 mcs 19Apr21		

Critical Points							
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20" Csg @ 1750'	1750.00	0.00	237.78	1750.00	0.00	0.00	0.00
Nudge 2" DLS	1850.00	0.00	237.78	1850.00	0.00	0.00	0.00
Hold	2400.12	11.00	237.78	2396.74	35.69	-28.07	-44.55
13-3/8" Casing	3829.65	11.00	237.78	3800.00	220.62	-173.52	-275.37
9-5/8" Casing	5867.10	11.00	237.78	5800.00	484.18	-380.81	-604.36
Drop 2" DLS	10139.89	11.00	237.78	9994.26	1036.91	-815.54	-1294.28
Hold	10690.01	0.00	237.78	10541.00	1072.60	-843.61	-1338.83
Build 10"/100' DLS	11340.01	0.00	237.78	11191.00	1072.60	-843.61	-1338.83
Landing Point	12223.98	88.40	179.65	11763.73	1619.66	-1400.53	-1335.47
Chisholm Sombrero 18 Fed 3BS Com 1H - BHL	16792.64	88.40	179.65	11891.54	6105.59	-5967.32	-1307.89



Vertical Section (ft) Azim = 192.36° Scale = 1:500.00(ft) Origin = 0N/-S, 0E/-W



Chisholm Sombrero 18 Fed 3BS Com 1H Rev1 mcs 19Apr21 Proposal Geodetic Report (Def Plan)

Report Date: April 20, 2021 - 09:16 AM Client: Chisholm Field: NM Lea County (NAD 83) Structure / Slot: Chisholm Sombrero Pad / Sombrero 18 Fed 3BS Com 1H Well: Sombrero 18 Fed 3BS Com 1H Borehole: Sombrero 18 Fed 3BS Com 1H UWI / API#: Unknown / Unknown Survey Name: Chisholm Sombrero 18 Fed 3BS Com 1H Rev1 mcs 19Apr21 Survey Date: January 29, 2021 Tort / AHD / DDI / ERD Ratio: 110.402 ° / 6706.250 ft / 6.019 / 0.564 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 29' 17.87356", W 103° 36' 51.30004" Location Grid N/E Y/X: N 542121.040 ftUS, E 763057.800 ftUS CRS Grid Convergence Angle: 0.3863 ° Grid Scale Factor: 0.99996539 Version / Patch: 2.10.824.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 192.362 ° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 3926.300 ft above MSL Seabed / Ground Elevation: 3900.300 ft above MSL Magnetic Declination: 6.492 ° Total Gravity Field Strength: 998.4602mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47940.571 nT Magnetic Dip Angle: 60.274 ° Declination Date: January 29, 2021 Magnetic Declination Model: HDGM 2020 North Reference: Grid North Grid Convergence Used: 0.3863 ° Total Corr Mag North->Grid North: 6.1061 ° Local Coord Referenced To: Well Head
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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 ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30
20" Csg @ 1750'	1750.00	0.00	237.78	1750.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
Nudge 2" DLS	1850.00	0.00	237.78	1850.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
Hold	2400.12	11.00	237.78	2396.74	36.96	-28.07	-44.55	2.00	542092.97	763013.25	N 32 29 17.60 W 103 36 51.82	
Rustler	2705.28	11.00	237.78	2696.30	77.84	-59.12	-93.82	0.00	542061.92	762963.98	N 32 29 17.29 W 103 36 52.40	
Salado	2925.33	11.00	237.78	2912.30	107.31	-81.51	-129.36	0.00	542039.54	762928.45	N 32 29 17.08 W 103 36 52.82	
13-3/8" Casing	3829.65	11.00	237.78	3800.00	228.45	-173.52	-275.37	0.00	541947.53	762782.44	N 32 29 16.18 W 103 36 54.53	
Yates	4320.98	11.00	237.78	4282.30	294.26	-223.51	-354.71	0.00	541897.54	762703.10	N 32 29 15.69 W 103 36 55.46	
Capitan Reef	4534.91	11.00	237.78	4492.30	322.92	-245.27	-389.25	0.00	541875.78	762668.56	N 32 29 15.47 W 103 36 55.86	
9-5/8" Casing	5867.10	11.00	237.78	5800.00	501.37	-380.81	-604.36	0.00	541740.24	762453.46	N 32 29 14.15 W 103 36 58.39	
Delaware Mtn Gr	6811.76	11.00	237.78	6727.30	627.91	-476.92	-756.89	0.00	541644.13	762300.94	N 32 29 13.21 W 103 37 0.17	
Bone Spring	9898.50	11.00	237.78	9757.30	1041.39	-790.98	-1255.30	0.00	541330.09	761802.54	N 32 29 10.13 W 103 37 6.02	
Drop 2" DLS	10139.89	11.00	237.78	9994.26	1073.72	-815.54	-1294.28	0.00	541305.53	761763.57	N 32 29 9.89 W 103 37 6.47	
Hold	10690.01	0.00	237.78	10541.00	1110.68	-843.61	-1338.83	2.00	541277.46	761719.02	N 32 29 9.62 W 103 37 7.00	
1st Bone Spring SS	10951.31	0.00	237.78	10802.30	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62 W 103 37 7.00	
Build 10"/100' DLS	11340.01	0.00	237.78	11191.00	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62 W 103 37 7.00	
2nd Bone Spring SS	11508.74	16.87	179.65	11357.30	1134.74	-868.27	-1338.68	10.00	541252.80	761719.17	N 32 29 9.37 W 103 37 7.00	
Landing Point Chisholm	12223.98	88.40	179.65	11763.73	1653.97	-1400.53	-1335.47	10.00	540720.56	761722.38	N 32 29 4.10 W 103 37 7.00	
Sombrero 18 Fed 3BS Com 1H - BHL	16792.64	88.40	179.65	11891.54	6108.97	-5967.32	-1307.89	0.00	536153.94	761749.96	N 32 28 18.92 W 103 37 7.04	

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 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	26.000	1/100.000	17.500	13.375		NAL_MWD_1.0_DEG-Depth Only	Sombrero 18 Fed 3BS Com 1H / Chisholm Sombrero 18 Fed 3BS Com 1H Rev1 mcs 19Apr21
	1	26.000	1500.000	1/100.000	17.500	13.375		NAL_MWD_1.0_DEG	Sombrero 18 Fed 3BS Com 1H / Chisholm Sombrero 18 Fed 3BS
	1	1500.000	11308.000	1/100.000	12.250	9.625		NAL_MWD_1.0_DEG	Sombrero 18 Fed 3BS Com 1H / Chisholm Sombrero 18 Fed 3BS
	1	11308.000	12194.000	1/100.000	8.750	7.000		NAL_MWD_1.0_DEG	Sombrero 18 Fed 3BS Com 1H / Chisholm Sombrero 18 Fed 3BS
	1	12194.000	16792.642	1/100.000	8.500	5.500		NAL_MWD_1.0_DEG	Sombrero 18 Fed 3BS Com 1H / Chisholm Sombrero 18 Fed 3BS



Chisholm Sombrero 18 Fed 3BS Com 1H Rev1 mcs 19Apr21 Proposal Geodetic Report (Def Plan)

Report Date: April 20, 2021 - 09:16 AM Client: Chisholm Field: NM Lea County (NAD 83) Structure / Slot: Chisholm Sombrero Pad / Sombrero 18 Fed 3BS Com 1H Well: Sombrero 18 Fed 3BS Com 1H Borehole: Sombrero 18 Fed 3BS Com 1H UWI / API#: Unknown / Unknown Survey Name: Chisholm Sombrero 18 Fed 3BS Com 1H Rev1 mcs 19Apr21 Survey Date: January 29, 2021 Tort / AHD / DDI / ERD Ratio: 110.402 ° / 6706.250 ft / 6.019 / 0.564 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 29' 17.87356", W 103° 36' 51.30004" Location Grid N/E Y/X: N 542121.040 ftUS, E 763057.800 ftUS CRS Grid Convergence Angle: 0.3863 ° Grid Scale Factor: 0.99996539 Version / Patch: 2.10.824.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 192.362 ° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 3926.300 ft above MSL Seabed / Ground Elevation: 3900.300 ft above MSL Magnetic Declination: 6.492 ° Total Gravity Field Strength: 998.4602mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47940.571 nT Magnetic Dip Angle: 60.274 ° Declination Date: January 29, 2021 Magnetic Declination Model: HDGM 2020 North Reference: Grid North Grid Convergence Used: 0.3863 ° Total Corr Mag North->Grid North: 6.1061 ° Local Coord Referenced To: Well Head	Minimum Curvature / Lubinski 192.362 ° (Grid North) 0.000 ft, 0.000 ft RKB 3926.300 ft above MSL 3900.300 ft above MSL 6.492 ° 998.4602mgn (9.80665 Based) GARM 47940.571 nT 60.274 ° January 29, 2021 HDGM 2020 Grid North 0.3863 ° 6.1061 ° Well Head
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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 ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30
	100.00	0.00	237.78	100.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	200.00	0.00	237.78	200.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	300.00	0.00	237.78	300.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	400.00	0.00	237.78	400.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	500.00	0.00	237.78	500.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	600.00	0.00	237.78	600.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	700.00	0.00	237.78	700.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	800.00	0.00	237.78	800.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	900.00	0.00	237.78	900.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1000.00	0.00	237.78	1000.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1100.00	0.00	237.78	1100.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1200.00	0.00	237.78	1200.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1300.00	0.00	237.78	1300.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1400.00	0.00	237.78	1400.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1500.00	0.00	237.78	1500.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1600.00	0.00	237.78	1600.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1700.00	0.00	237.78	1700.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1800.00	0.00	237.78	1800.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
	1850.00	0.00	237.78	1850.00	0.00	0.00	0.00	0.00	542121.04	763057.80	N 32 29 17.87 W 103 36 51.30	
Nudge 2° DLS	1900.00	1.00	237.78	1900.00	0.31	-0.23	-0.37	2.00	542120.81	763057.43	N 32 29 17.87 W 103 36 51.30	
	2000.00	3.00	237.78	1999.93	2.76	-2.09	-3.32	2.00	542118.95	763054.48	N 32 29 17.85 W 103 36 51.34	
	2100.00	5.00	237.78	2099.68	7.65	-5.81	-9.22	2.00	542115.23	763048.58	N 32 29 17.82 W 103 36 51.41	
	2200.00	7.00	237.78	2199.13	14.99	-11.38	-18.07	2.00	542109.66	763039.73	N 32 29 17.76 W 103 36 51.51	
	2300.00	9.00	237.78	2298.15	24.76	-18.80	-29.84	2.00	542102.24	763027.96	N 32 29 17.69 W 103 36 51.65	
	2400.00	11.00	237.78	2396.63	36.94	-28.06	-44.53	2.00	542092.98	763013.27	N 32 29 17.60 W 103 36 51.82	
	2400.12	11.00	237.78	2396.74	36.96	-28.07	-44.55	2.00	542092.97	763013.25	N 32 29 17.60 W 103 36 51.82	
	2500.00	11.00	237.78	2494.79	50.34	-38.23	-60.68	0.00	542082.81	762997.12	N 32 29 17.50 W 103 36 52.01	
	2600.00	11.00	237.78	2592.95	63.73	-48.41	-76.82	0.00	542072.63	762980.98	N 32 29 17.40 W 103 36 52.20	
	2700.00	11.00	237.78	2691.11	77.13	-58.58	-92.97	0.00	542062.46	762964.83	N 32 29 17.30 W 103 36 52.39	
	2800.00	11.00	237.78	2789.28	90.52	-68.76	-109.12	0.00	542052.29	762948.69	N 32 29 17.20 W 103 36 52.58	
	2900.00	11.00	237.78	2887.44	103.92	-78.93	-125.27	0.00	542042.11	762932.54	N 32 29 17.10 W 103 36 52.77	
	3000.00	11.00	237.78	2985.60	117.31	-89.11	-141.41	0.00	542031.94	762916.39	N 32 29 17.00 W 103 36 52.96	
	3100.00	11.00	237.78	3083.76	130.71	-99.28	-157.56	0.00	542021.76	762900.25	N 32 29 16.90 W 103 36 53.15	
	3200.00	11.00	237.78	3181.92	144.11	-109.45	-173.71	0.00	542011.59	762884.10	N 32 29 16.80 W 103 36 53.34	
	3300.00	11.00	237.78	3280.08	157.50	-119.63	-189.85	0.00	542001.42	762867.95	N 32 29 16.70 W 103 36 53.53	
	3400.00	11.00	237.78	3378.25	170.90	-129.80	-206.00	0.00	541991.24	762851.81	N 32 29 16.60 W 103 36 53.72	
	3500.00	11.00	237.78	3476.41	184.29	-139.98	-222.15	0.00	541981.07	762835.66	N 32 29 16.50 W 103 36 53.90	
	3600.00	11.00	237.78	3574.57	197.69	-150.15	-238.29	0.00	541970.89	762819.52	N 32 29 16.40 W 103 36 54.09	
	3700.00	11.00	237.78	3672.73	211.08	-160.33	-254.44	0.00	541960.72	762803.37	N 32 29 16.30 W 103 36 54.28	
Hold	3800.00	11.00	237.78	3770.89	224.48	-170.50	-270.59	0.00	541950.55	762787.22	N 32 29 16.20 W 103 36 54.47	
	3900.00	11.00	237.78	3869.06	237.87	-180.67	-286.73	0.00	541940.37	762771.08	N 32 29 16.10 W 103 36 54.66	
	4000.00	11.00	237.78	3967.22	251.27	-190.85	-302.88	0.00	541930.20	762754.93	N 32 29 16.01 W 103 36 54.85	
	4100.00	11.00	237.78	4065.38	264.66	-201.02	-319.03	0.00	541920.02	762738.78	N 32 29 15.91 W 103 36 55.04	
	4200.00	11.00	237.78	4163.54	278.06	-211.20	-335.17	0.00	541909.85	762722.64	N 32 29 15.81 W 103 36 55.23	
	4300.00	11.00	237.78	4261.70	291.45	-221.37	-351.32	0.00	541899.68	762706.49	N 32 29 15.71 W 103 36 55.42	
	4400.00	11.00	237.78	4359.87	304.85	-231.55	-367.47	0.00	541889.50	762690.35	N 32 29 15.61 W 103 36 55.61	
	4500.00	11.00	237.78	4458.03	318.24	-241.72	-383.61	0.00	541879.33	762674.20	N 32 29 15.51 W 103 36 55.80	
	4600.00	11.00	237.78	4556.19	331.64	-251.89	-399.76	0.00	541869.16	762658.05	N 32 29 15.41 W 103 36 55.99	
	4700.00	11.00	237.78	4654.35	345.03	-262.07	-415.91	0.00	541858.98	762641.91	N 32 29 15.31 W 103 36 56.18	
	4800.00	11.00	237.78	4752.51	358.43	-272.24	-432.06	0.00	541848.81	762625.76	N 32 29 15.21 W 103 36 56.37	
	4900.00	11.00	237.78	4850.68	371.83	-282.42	-448.20	0.00	541838.63	762609.61	N 32 29 15.11 W 103 36 56.55	
	5000.00	11.00	237.78	4948.84	385.22	-292.59	-464.35	0.00	541828.46	762593.47	N 32 29 15.01 W 103 36 56.74	
	5100.00	11.00	237.78	5047.00	398.62	-302.77	-480.50	0.00	541818.29	762577.32	N 32 29 14.91 W 103 36 56.93	
	5200.00	11.00	237.78	5145.16	412.01	-312.94	-496.64	0.00	541808.11	762561.18	N 32 29 14.81 W 103 36 57.12	
	5300.00	11.00	237.78	5243.32	425.41	-323.11	-512.79	0.00	541797.94	762545.03	N 32 29 14.71 W 103 36 57.31	
	5400.00	11.00	237.78	5341.49	438.80	-333.29	-528.94	0.00	541787.76	762528.88	N 32 29 14.61 W 103 36 57.50	
	5500.00	11.00	237.78	5439.65	452.20	-343.46	-545.08	0.00	541777.59	762512.74	N 32 29 14.51 W 103 36 57.69	
	5600.00	11.00	237.78	5537.81	465.59	-353.64	-561.23	0.00	541767.42	762496.59	N 32 29 14.41 W 103 36 57.88	
	5700.00	11.00	237.78	5635.97	478.99	-363.81	-577.38	0.00	541757.24	762480.44	N 32 29 14.31 W 103 36 58.07	
	5800.00	11.00	237.78	5734.13	492.38	-373.99	-593.52	0.00	541747.07	762464.30	N 32 29 14.21 W 103 36 58.26	
	5900.00	11.00	237.78	5832.29	505.78	-384.16	-609.67	0.00	541736.89	762448.15	N 32 29 14.11 W 103 36 58.45	
	6000.00	11.00	237.78	5930.46	519.17	-394.33	-625.82	0.00	541726.72	762432.01	N 32 29 14.01 W 103 36 58.64	
	6100.00	11.00	237.78	6028.62	532.57	-404.51	-641.96	0.00	541716.55	762415.86	N 32 29 13.91 W 103 36 58.83	
	6200.00	11.00	237.78	6126.78	545.96	-414.68	-658.11	0.00	541706.37	762399.71	N 32 29 13.81 W 103 36 59.02	
	6300.00	11.00	237.78	6224.94	559.36	-424.86	-674.26	0.00	541696.20	762383.57	N 32 29 13.71 W 103 36 59.20	
	6400.00	11.00	237.78	6323.10	572.75	-435.03	-690.40	0.00	541686.02	762367.42	N 32 29 13.62 W 103 36 59.39	
	6500.00	11.00	237.78	6421.27	586.15	-445.21	-706.55	0.00	541675.85	762351.27	N 32 29 13.52 W 103 36 59.58	
	6600.00	11.00	237.78	6519.43	599.55	-455.38	-722.70	0.00	541665.68	762335.13	N 32 29 13.42 W 103 36 59.77	
	6700.00	11.00	237.78	6617.59	612.94	-465.55	-738.84	0.00	541655.50	762318.98	N 32 29 13.32 W 103 36 59.96	
6800.00	11.00	237.78	6715.75	626.34	-475.73	-754.99	0.00	541645.33	762302.84	N 32 29 13.22 W 103 37 0.15		
6900.00	11.00	237.78	6813.91	639.73	-485.90	-771.14	0.00	541635.16	762286.69	N 32 29 13.12 W 103 37 0.34		
7000.00	11.00	237.78	6912.08	653.13	-496.08	-787.29	0.00	541624.98	762270.54	N 32 29 13.02 W 103 37 0.53		

	MD	Incl	Azim Grid	TVD	VSEC	NS	EW	DLS	Northing	Easting	Latitude	Longitude	
	(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(ftUS)	(ftUS)	(N/S ° ' ")	(E/W ° ' ")	
Drop 2" DLS	7100.00	11.00	237.78	7010.24	666.52	-506.25	-803.43	0.00	541614.81	762254.40	N 32 29 12.92	W 103 37 0.72	
	7200.00	11.00	237.78	7108.40	679.92	-516.43	-819.58	0.00	541604.63	762238.25	N 32 29 12.82	W 103 37 0.91	
	7300.00	11.00	237.78	7206.56	693.31	-526.60	-835.73	0.00	541594.46	762222.10	N 32 29 12.72	W 103 37 1.10	
	7400.00	11.00	237.78	7304.72	706.71	-536.77	-851.87	0.00	541584.29	762205.96	N 32 29 12.62	W 103 37 1.29	
	7500.00	11.00	237.78	7402.89	720.10	-546.95	-868.02	0.00	541574.11	762189.81	N 32 29 12.52	W 103 37 1.48	
	7600.00	11.00	237.78	7501.05	733.50	-557.12	-884.17	0.00	541563.94	762173.67	N 32 29 12.42	W 103 37 1.67	
	7700.00	11.00	237.78	7599.21	746.89	-567.30	-900.31	0.00	541553.76	762157.52	N 32 29 12.32	W 103 37 1.86	
	7800.00	11.00	237.78	7697.37	760.29	-577.47	-916.46	0.00	541543.59	762141.37	N 32 29 12.22	W 103 37 2.04	
	7900.00	11.00	237.78	7795.53	773.68	-587.65	-932.61	0.00	541533.42	762125.23	N 32 29 12.12	W 103 37 2.23	
	8000.00	11.00	237.78	7893.70	787.08	-597.82	-948.75	0.00	541523.24	762109.08	N 32 29 12.02	W 103 37 2.42	
	8100.00	11.00	237.78	7991.86	800.48	-607.99	-964.90	0.00	541513.07	762092.93	N 32 29 11.92	W 103 37 2.61	
	8200.00	11.00	237.78	8090.02	813.87	-618.17	-981.05	0.00	541502.89	762076.79	N 32 29 11.82	W 103 37 2.80	
	8300.00	11.00	237.78	8188.18	827.27	-628.34	-997.19	0.00	541492.72	762060.64	N 32 29 11.72	W 103 37 2.99	
	8400.00	11.00	237.78	8286.34	840.66	-638.52	-1013.34	0.00	541482.55	762044.50	N 32 29 11.62	W 103 37 3.18	
	8500.00	11.00	237.78	8384.51	854.06	-648.69	-1029.49	0.00	541472.37	762028.35	N 32 29 11.52	W 103 37 3.37	
	8600.00	11.00	237.78	8482.67	867.45	-658.87	-1045.63	0.00	541462.20	762012.20	N 32 29 11.42	W 103 37 3.56	
	8700.00	11.00	237.78	8580.83	880.85	-669.04	-1061.78	0.00	541452.02	761996.06	N 32 29 11.32	W 103 37 3.75	
	8800.00	11.00	237.78	8678.99	894.24	-679.21	-1077.93	0.00	541441.85	761979.91	N 32 29 11.22	W 103 37 3.94	
	8900.00	11.00	237.78	8777.15	907.64	-689.39	-1094.08	0.00	541431.68	761963.76	N 32 29 11.13	W 103 37 4.13	
	9000.00	11.00	237.78	8875.31	921.03	-699.56	-1110.22	0.00	541421.50	761947.62	N 32 29 11.03	W 103 37 4.32	
	9100.00	11.00	237.78	8973.48	934.43	-709.74	-1126.37	0.00	541411.33	761931.47	N 32 29 10.93	W 103 37 4.51	
	9200.00	11.00	237.78	9071.64	947.82	-719.91	-1142.52	0.00	541401.16	761915.33	N 32 29 10.83	W 103 37 4.69	
	9300.00	11.00	237.78	9169.80	961.22	-730.09	-1158.66	0.00	541390.98	761899.18	N 32 29 10.73	W 103 37 4.88	
	9400.00	11.00	237.78	9267.96	974.61	-740.26	-1174.81	0.00	541380.81	761883.03	N 32 29 10.63	W 103 37 5.07	
	9500.00	11.00	237.78	9366.12	988.01	-750.43	-1190.96	0.00	541370.63	761866.89	N 32 29 10.53	W 103 37 5.26	
	9600.00	11.00	237.78	9464.29	1001.40	-760.61	-1207.10	0.00	541360.46	761850.74	N 32 29 10.43	W 103 37 5.45	
	9700.00	11.00	237.78	9562.45	1014.80	-770.78	-1223.25	0.00	541350.29	761834.59	N 32 29 10.33	W 103 37 5.64	
	9800.00	11.00	237.78	9660.61	1028.20	-780.96	-1239.40	0.00	541340.11	761818.45	N 32 29 10.23	W 103 37 5.83	
	9900.00	11.00	237.78	9758.77	1041.59	-791.13	-1255.54	0.00	541329.94	761802.30	N 32 29 10.13	W 103 37 6.02	
	10000.00	11.00	237.78	9856.93	1054.99	-801.31	-1271.69	0.00	541319.76	761786.16	N 32 29 10.03	W 103 37 6.21	
	10100.00	11.00	237.78	9955.10	1068.38	-811.48	-1287.84	0.00	541309.59	761770.01	N 32 29 9.93	W 103 37 6.40	
	10139.89	11.00	237.78	9994.26	1073.72	-815.54	-1294.28	0.00	541305.53	761763.57	N 32 29 9.89	W 103 37 6.47	
	10200.00	9.80	237.78	10053.37	1081.34	-821.32	-1303.46	2.00	541299.75	761754.39	N 32 29 9.83	W 103 37 6.58	
	10300.00	7.80	237.78	10152.19	1092.08	-829.48	-1316.40	2.00	541291.59	761741.45	N 32 29 9.75	W 103 37 6.73	
	10400.00	5.80	237.78	10251.48	1100.39	-835.79	-1326.42	2.00	541285.28	761731.43	N 32 29 9.69	W 103 37 6.85	
	10500.00	3.80	237.78	10351.13	1106.26	-840.25	-1333.50	2.00	541280.82	761724.35	N 32 29 9.65	W 103 37 6.93	
	Hold	10600.00	1.80	237.78	10451.00	1109.69	-842.86	-1337.63	2.00	541278.21	761720.22	N 32 29 9.62	W 103 37 6.98
		10690.01	0.00	237.78	10541.00	1110.68	-843.61	-1338.83	2.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00
		10700.00	0.00	237.78	10550.99	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00
		10800.00	0.00	237.78	10650.99	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00
10900.00		0.00	237.78	10750.99	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00	
11000.00		0.00	237.78	10850.99	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00	
11100.00		0.00	237.78	10950.99	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00	
11200.00		0.00	237.78	11050.99	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00	
11300.00		0.00	237.78	11150.99	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00	
Build 10"/100' DLS		11340.01	0.00	237.78	11191.00	1110.68	-843.61	-1338.83	0.00	541277.46	761719.02	N 32 29 9.62	W 103 37 7.00
Landing Point	11400.00	6.00	179.65	11250.88	1113.74	-846.75	-1338.81	10.00	541274.32	761719.04	N 32 29 9.58	W 103 37 7.00	
	11500.00	16.00	179.65	11348.92	1132.33	-865.80	-1338.70	10.00	541255.27	761719.15	N 32 29 9.40	W 103 37 7.00	
	11600.00	26.00	179.65	11442.16	1167.24	-901.59	-1338.48	10.00	541219.48	761719.37	N 32 29 9.04	W 103 37 7.00	
	11700.00	36.00	179.65	11527.77	1217.42	-953.03	-1338.17	10.00	541168.05	761719.68	N 32 29 8.53	W 103 37 7.00	
	11800.00	46.00	179.65	11603.14	1281.34	-1018.55	-1337.77	10.00	541102.53	761720.08	N 32 29 7.88	W 103 37 7.00	
	11900.00	56.00	179.65	11666.00	1357.05	-1096.16	-1337.30	10.00	541024.92	761720.55	N 32 29 7.12	W 103 37 7.00	
	12000.00	66.00	179.65	11714.42	1442.26	-1183.51	-1336.78	10.00	540937.58	761721.07	N 32 29 6.25	W 103 37 7.00	
	12100.00	76.00	179.65	11746.94	1534.38	-1277.94	-1336.21	10.00	540843.15	761721.64	N 32 29 5.32	W 103 37 7.00	
	12200.00	86.00	179.65	11762.56	1630.61	-1376.58	-1335.61	10.00	540744.51	761722.24	N 32 29 4.34	W 103 37 7.00	
	12223.98	88.40	179.65	11763.73	1653.97	-1400.53	-1335.47	10.00	540720.56	761722.38	N 32 29 4.10	W 103 37 7.00	
	12300.00	88.40	179.65	11765.86	1728.10	-1476.52	-1335.01	0.00	540644.58	761722.84	N 32 29 3.35	W 103 37 7.00	
	12400.00	88.40	179.65	11768.66	1825.61	-1576.48	-1334.40	0.00	540544.62	761723.45	N 32 29 2.36	W 103 37 7.00	
	12500.00	88.40	179.65	11771.46	1923.12	-1676.43	-1333.80	0.00	540444.67	761724.05	N 32 29 1.37	W 103 37 7.00	
	12600.00	88.40	179.65	11774.25	2020.63	-1776.39	-1333.20	0.00	540344.71	761724.65	N 32 29 0.39	W 103 37 7.00	
	12700.00	88.40	179.65	11777.05	2118.15	-1876.35	-1332.59	0.00	540244.76	761725.26	N 32 28 59.40	W 103 37 7.00	
	12800.00	88.40	179.65	11779.85	2215.66	-1976.31	-1331.99	0.00	540144.80	761725.86	N 32 28 58.41	W 103 37 7.00	

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 ° ' ")
Chisholm Sombbrero 18 Fed 3BS Com 1H - BHL	16792.64	88.40	179.65	11891.54	6108.97	-5967.32	-1307.89	0.00	536153.94	761749.96	N 32 28 18.92 W 103 37 7.04	

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 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	26.000	1/100.000	17.500	13.375		NAL_MWD_1.0_DEG-Depth Only	Sombbrero 18 Fed 3BS Com 1H / Chisholm Sombbrero 18 Fed 3BS Com 1H Rev1 mcs 19Apr21
	1	26.000	1500.000	1/100.000	17.500	13.375		NAL_MWD_1.0_DEG	Sombbrero 18 Fed 3BS Com 1H / Chisholm Sombbrero 18 Fed 3BS
	1	1500.000	11308.000	1/100.000	12.250	9.625		NAL_MWD_1.0_DEG	Sombbrero 18 Fed 3BS Com 1H / Chisholm Sombbrero 18 Fed 3BS
	1	11308.000	12194.000	1/100.000	8.750	7.000		NAL_MWD_1.0_DEG	Sombbrero 18 Fed 3BS Com 1H / Chisholm Sombbrero 18 Fed 3BS
	1	12194.000	16792.642	1/100.000	8.500	5.500		NAL_MWD_1.0_DEG	Sombbrero 18 Fed 3BS Com 1H / Chisholm Sombbrero 18 Fed 3BS

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 26044

CONDITIONS

Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 26044
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/25/2021