

Well Name: STETSON 13-24 FED COM 2BS	Well Location: T19S / R33E / SEC 13 / NENE / 32.667338 / -103.6121295	County or Parish/State: LEA / NM
Well Number: 6H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM24489	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254549900X1	Well Status: Producing Oil Well	Operator: EARTHSTONE OPERATING LLC

Notice of Intent

Sundry ID: 1064632

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 02/03/2021	Time Sundry Submitted: 03:11
Date proposed operation will begin: 01/18/2021	

Procedure Description: REVISE NAME FROM: STETSON 13-24 FED COM 2BS TO: STETSON 13-24 1BS FED COM REVISE SHL, FTP/LP, & LTP/BHL WELLBORE IS LOCATED IN THE SAME QUARTER/QUARTER; BUT SPACING HAS BEEN REVISED TO BETTER ACCOMODATE FUTURE PLANNING REVISE SHL FROM: 57' FNL/1290' FEL TO: 37' FNL/1260' FEL REVISE LP/FTP FROM: 330' FNL/430' FEL TO: 100' FNL/400' FEL REVISE LTP/BHL FROM: 330' FSL/430' FEL TO: 100' FSL/400' FEL

Received by OCD: 10/27/2022 2:38:48 PM

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US Well Number: 300254549900X1	Well Status: Producing Oil Well	Operator: EARTHSTONE OPERATING LLC

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: JENNIFER ELROD	Signed on: FEB 03, 2021 03:11 PM
Name: CHISHOLM ENERGY OPERATING LLC	
Title: Senior Regulatory Technician	
Street Address: 1400 WOODLOCH FOREST DR STE 300	
City: THE WOODLANDS	State: TX
Phone: (817) 953-3728	
Email address: JELROD@EARTHSTONEENERGY.COM	

Field

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

BLM Point of Contact

BLM POC Name: NICHOLAS DAY	BLM POC Title: Physical Scientist
BLM POC Phone: 4357814409	BLM POC Email Address: NDAY@BLM.GOV
Disposition: Adjudicator Complete	Disposition Date: 02/04/2021
Signature: null	

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
REVISED-SHL, FTP, BHL

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45499	² Pool Code 27230	³ Pool Name GEM; BONE SPRING, EAST
⁴ Property Code 333495	⁵ Property Name STETSON 13-24 1BS FED COM	⁶ Well Number 6H
⁷ OGRID No. 372137	⁸ Operator Name CHISHOLM ENERGY OPERATING, LLC	⁹ Elevation 3721.2

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
A	13	19 S	33 E		37	NORTH	1260	EAST	LEA

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
P	24	19 S	33 E		100	SOUTH	400	EAST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

NMSP EAST (FT) N=607285.41 E=759263.63 NMSP EAST (FT) N=604644.06 E=759272.91 NMSP EAST (FT) N=602004.58 E=759283.95 NMSP EAST (FT) N=596719.06 E=759309.66	NMSP EAST (FT) SHL N=607295.76 E=761899.53 FIRST TAKE POINT LANDING POINT 100' FNL, 400' FEL LAT.=32.6671554°N LONG.=103.6093360°W N=607201.98 E=764130.26 GRID AZ. TO LP S85°58'11"E HORIZ. DIST. 862.42 FT SEC. 13 NMSP EAST (FT) N=602012.98 E=761918.59 STETSON 13-24 1BS FED COM 6H 37' FNL, 1260' FEL ELEV. = 3721.2' LAT. = 32.6673380°N (NAD83) LONG. = 103.6121295°W NMSP EAST (FT) N = 607262.58 E = 763270.15 SEC. 24 LAST TAKE POINT BOTTOM OF HOLE 100' FSL, 400' FEL LAT. = 32.6386798°N LONG. = 103.6094112°W NMSP EAST (FT) N = 596841.90 E = 764177.73 NMSP EAST (FT) N=596732.15 E=761931.95	1260' NMSP EAST (FT) N=607303.06 E=764529.76 NMSP EAST (FT) N=604661.12 E=764540.57 NMSP EAST (FT) N=602023.63 E=764553.27 NMSP EAST (FT) N=599383.40 E=764567.77 NMSP EAST (FT) N=596743.67 E=764578.08	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. <i>Jennifer Elrod</i> 01/05/2021 Signature Date JENNIFER ELROD Printed Name JELROD@CHISHOLMENERGY.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. NOVEMBER 7, 2019 Date of Survey <i>Filimon F. Jaramillo</i> Signature and Seal of Professional Surveyor Certificate Number: FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 5722A
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Intent ☒ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL A	Section 13	Township 19S	Range 33E	Lot	Feet 37	From N/S NORTH	Feet 1260	From E/W EAST	County LEA
Latitude 32.6673380					Longitude 103.6121295			NAD 83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

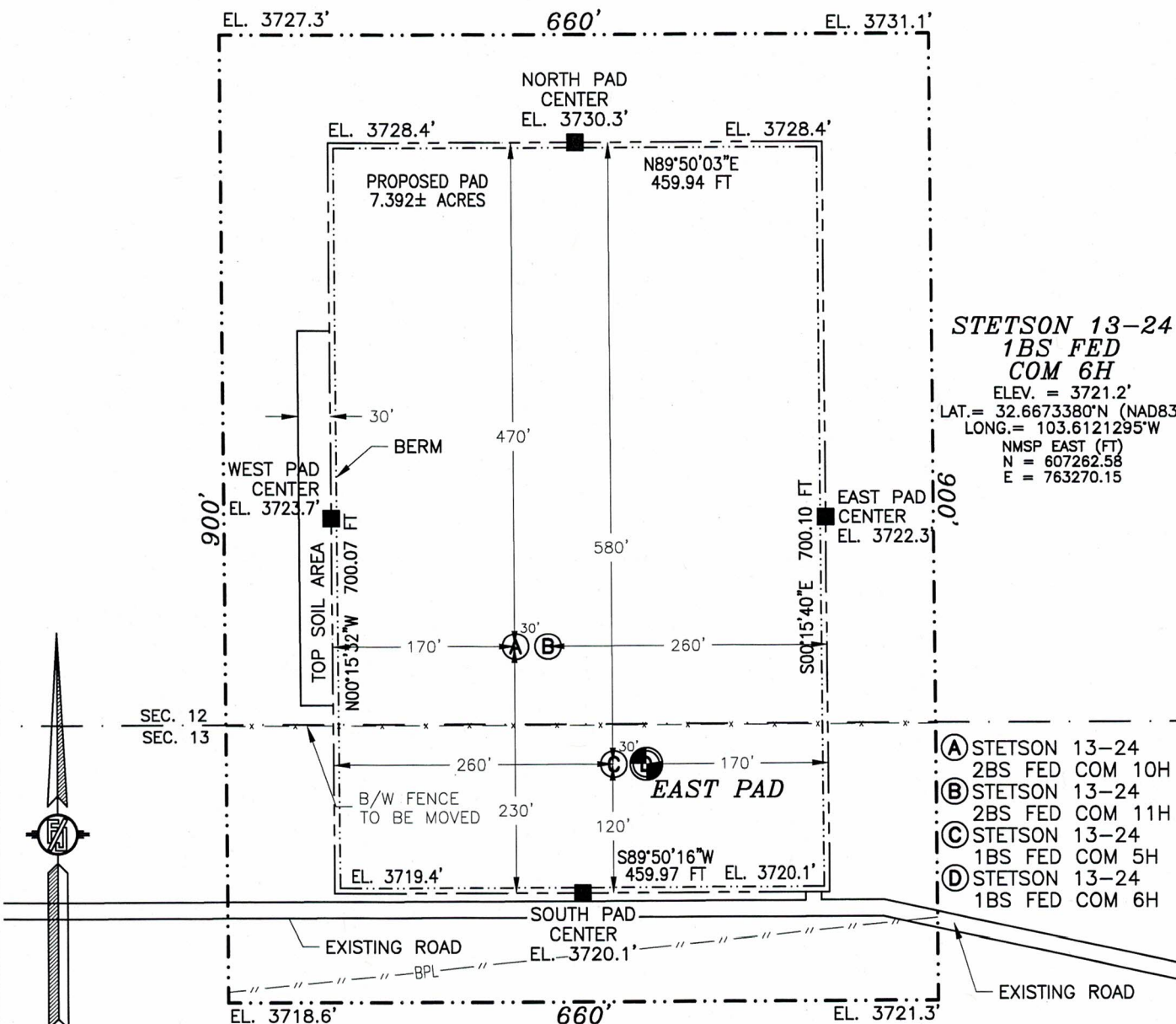
Is this well the defining well for the Horizontal Spacing Unit? ☒Is this well an infill well? ☐

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

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP



015 75 150 300

SCALE 1" = 150'

DIRECTIONS TO LOCATION

FROM U.S. HWY. 62-180 AND STATE ROAD 176, GO EAST ON HWY. 62-180 7.6 MILES, TURN LEFT ON PAVED ROAD (SMITH RANCH RD.) AND GO NORTHWEST 2.0 MILES, TURN RIGHT ON CALICHE ROAD AND GO NORTHEAST 2.02 MILES, TURN LEFT AND GO NORTH 1.9 MILES, TURN LEFT AND GO WEST 0.46 MILE TO A ROAD SURVEY, FOLLOW FLAGS WEST 308', THEN NORTHWEST 1765', THEN WEST 65' THEN NORTH 15' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

I, FILIMON F. JARAMILLO, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

CHISHOLM ENERGY OPERATING, LLC
STETSON 13-24 1BS FED COM 6H
LOCATED 37 FT. FROM THE NORTH LINE
AND 1260 FT. FROM THE EAST LINE OF
SECTION 13, TOWNSHIP 19 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

NOVEMBER 7, 2019

SURVEY NO. 5722A

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO



Chisholm

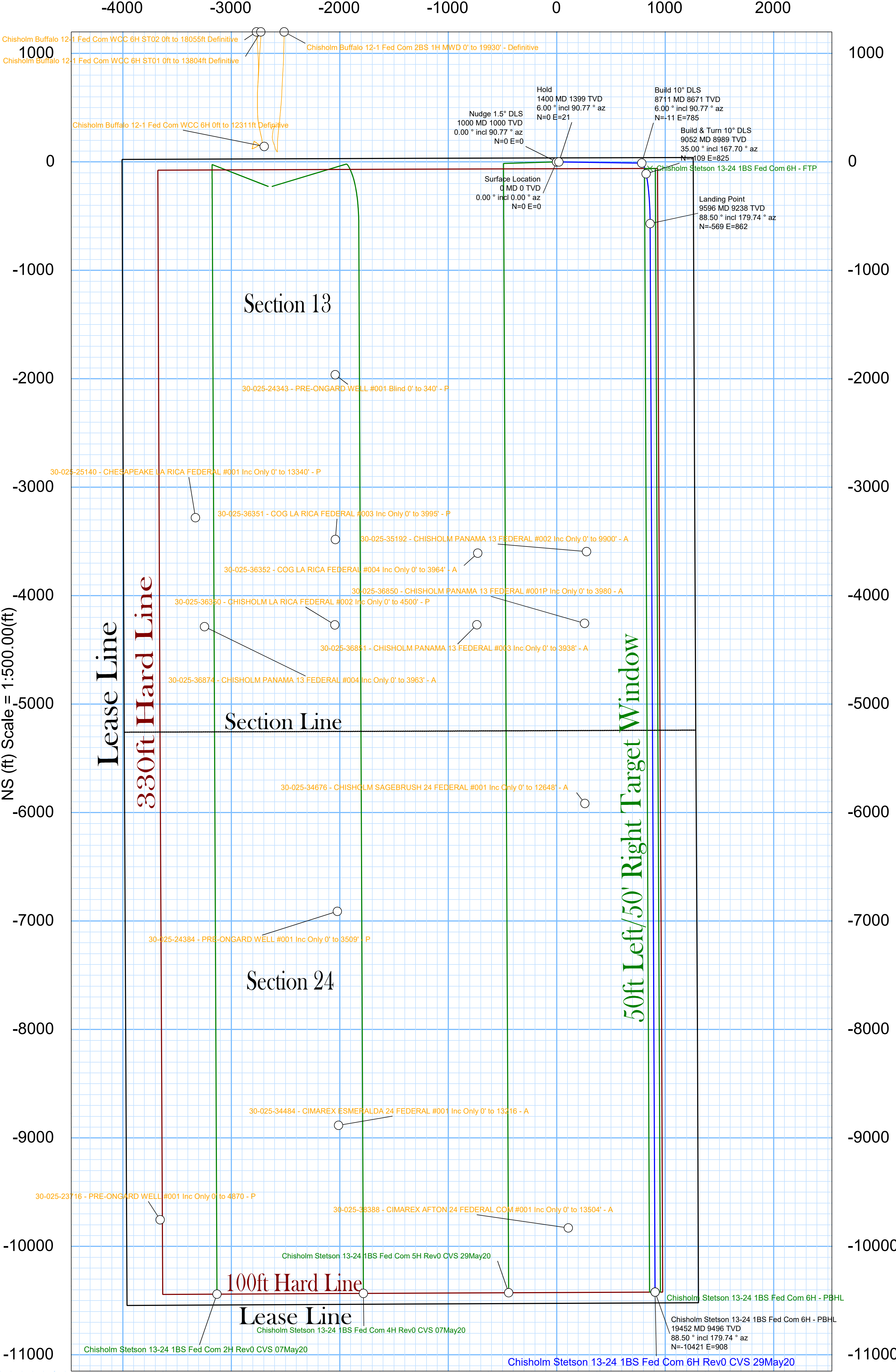
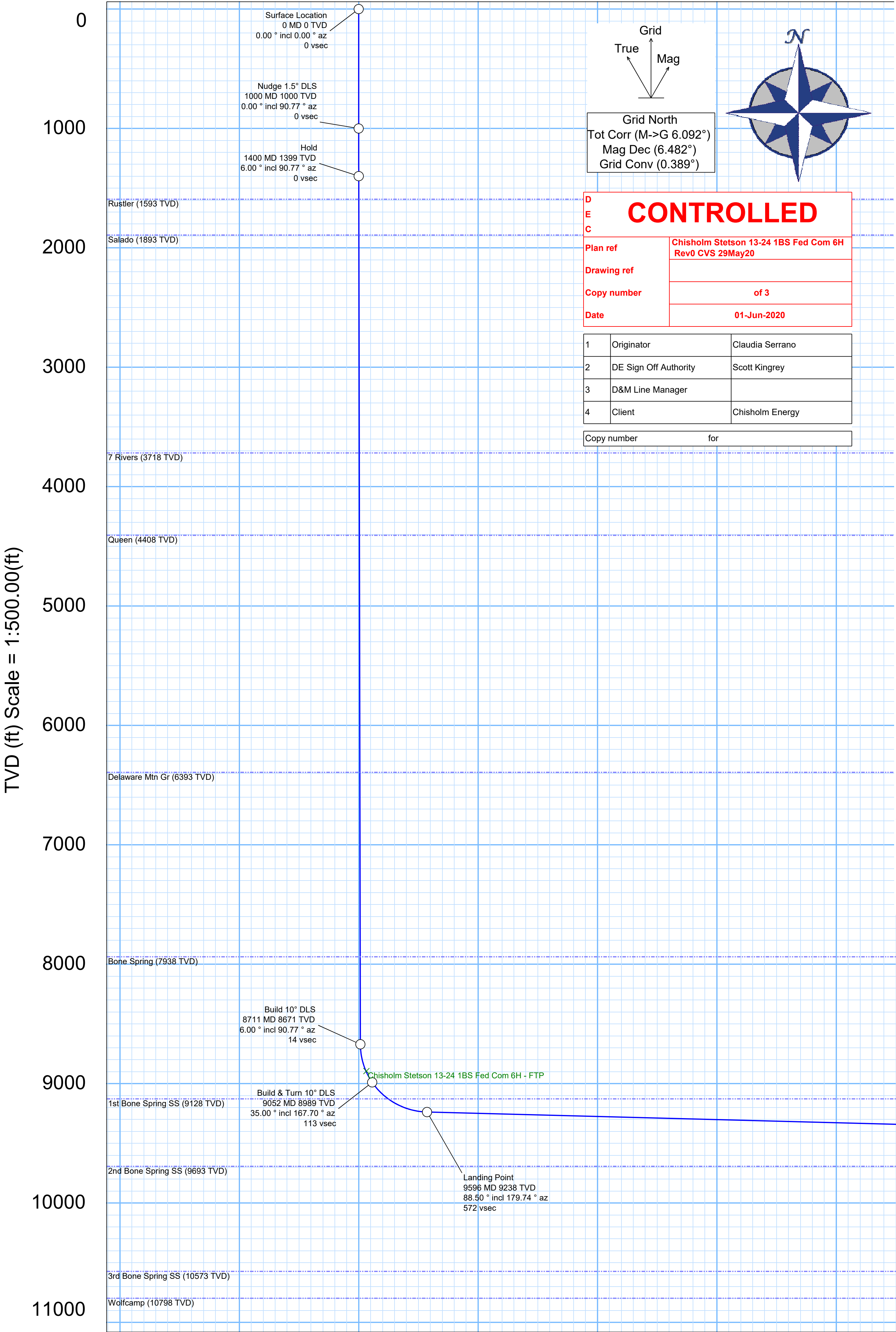
Rev0



Borehole:	Well:	Field:	Structure:
Stetson 13-24 1BS Fed Com 6H	Stetson 13-24 1BS Fed Com 6H	NM Lea County (NAD 83)	Chisholm Stetson 13-24 1BS Fed Com 6H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	HDGM 2020	Dip:	60.584°	Date:	30-May-2020	Lat:	N 32 40 2.42	Northing:	607262.58ftUS	Grid Conv:	0.3893°
MagDec:	6.482°	FS:	48070.348nT	Gravity FS:	998.511mgN (9.80665 Based)	Lon:	W 103 36 43.67	Easting:	763270.15ftUS	Scale Fact:	0.9999655
								Slot:	New Slot	TVD Ref:	RKB(3753.2ft above MSL)
								Plan:	Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20		

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nudge 1.5" DLS	1000.00	0.00	90.77	1000.00	0.00	0.00	0.00	0.00
Hold	1399.95	6.00	90.77	1399.22	0.38	-0.28	20.92	1.50
Rustler	1594.80	6.00	90.77	1593.00	0.74	-0.56	41.28	0.00
Salado	1896.45	6.00	90.77	1893.00	1.31	-0.98	72.80	0.00
7 Rivers	3731.50	6.00	90.77	3718.00	4.77	-3.57	264.58	0.00
Queen	4425.30	6.00	90.77	4408.00	6.08	-4.55	337.08	0.00
Delaware Mtn Gr	6421.23	6.00	90.77	6393.00	9.84	-7.36	545.67	0.00
Bone Spring	7974.74	6.00	90.77	7938.00	12.76	-9.55	708.02	0.00
Build 10" DLS	8711.35	6.00	90.77	8670.58	14.15	-10.59	785.00	0.00
Build & Turn 10" DLS	9052.18	35.00	167.70	8989.11	113.00	-109.26	824.81	10.00
1st Bone Spring SS	9247.94	54.12	173.79	9128.00	248.10	-244.27	845.56	10.00
Landing Point	9596.12	88.50	179.74	9237.99	572.47	-568.57	862.15	10.00
Chisholm Stetson 13-24 1BS Fed Com 6H - PBHL	19452.09	88.50	179.74	9495.99	10425.07	-10421.06	907.61	0.00
2nd Bone Spring SS	NaN			9693.00				
Strawn	NaN			12093.00				
Wolfcamp	NaN			10798.00				
3rd Bone Spring SS	NaN			10573.00				



Vertical Section (ft) Azim = 179.74° Scale = 1:500.00(ft) Origin = 0N/-S, 0E/-W



Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20 Proposal Geodetic Report (Def Plan)



Report Date: June 01, 2020 - 05:07 PM
Client: Chisholm
Field: NM Lea County (NAD 83)
Structure / Slot: Chisholm Stetson 13-24 1BS Fed Com 6H / New Slot
Well: Stetson 13-24 1BS Fed Com 6H
Borehole: Stetson 13-24 1BS Fed Com 6H
UWI / API#: Unknown / 30-025-45499
Survey Name: Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20
Survey Date: May 30, 2020
Tort / AHD / DDI / ERD Ratio: 94.476 ° / 11208.503 ft / 6.336 / 1.180
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 40' 2.41693", W 103° 36' 43.66620"
Location Grid N/E Y/X: N 607262.580 ftUS, E 763270.150 ftUS
CRS Grid Convergence Angle: 0.3893 °
Grid Scale Factor: 0.9999655
Version / Patch: 2.10.811.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.740 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3753.200 ft above MSL
Seabed / Ground Elevation: 3721.200 ft above MSL
Magnetic Declination: 6.482 °
Total Gravity Field Strength: 998.5106mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48070.348 nT
Magnetic Dip Angle: 60.584 °
Declination Date: May 30, 2020
Magnetic Declination Model: HDGM 2020
North Reference: Grid North
Grid Convergence Used: 0.3893 °
Total Corr Mag North->Grid North: 6.0925 °
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	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
Location												
Nudge 1.5° DLS	1000.00	0.00	90.77	1000.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
Hold	1399.95	6.00	90.77	1399.22	0.38	-0.28	20.92	1.50	607262.30	763291.07	N 32 40 2.41	W 103 36 43.42
Build 10° DLS	8711.35	6.00	90.77	8670.58	14.15	-10.59	785.00	0.00	607251.99	764055.12	N 32 40 2.26	W 103 36 34.48
Build & Turn 10° DLS	9052.18	35.00	167.70	8989.11	113.00	-109.26	824.81	10.00	607153.32	764094.93	N 32 40 1.28	W 103 36 34.03
Landing Point	9596.12	88.50	179.74	9237.99	572.47	-568.57	862.15	10.00	606694.03	764132.26	N 32 39 56.73	W 103 36 33.63
Chisholm												
Stetson 13-24												
1BS Fed Com	19452.09	88.50	179.74	9495.99	10425.07	-10421.06	907.61	0.00	596841.90	764177.73	N 32 38 19.25	W 103 36 33.88
6H - PBHL												

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	32.000	1/100.000	30.000	30.000		NAL_MWD_1.0_DEG-Depth Only	Stetson 13-24 1BS Fed Com 6H /
	1	32.000	19452.091	1/100.000	30.000	30.000		NAL_MWD_1.0_DEG	Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20 Stetson 13-24 1BS Fed Com 6H / Chisholm Stetson 13-24 1BS Fed



Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20 Proposal Geodetic Report (Def Plan)



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Client: Chisholm
Field: NM Lea County (NAD 83)
Structure / Slot: Chisholm Stetson 13-24 1BS Fed Com 6H / New Slot
Well: Stetson 13-24 1BS Fed Com 6H
Borehole: Stetson 13-24 1BS Fed Com 6H
UWI / API#: Unknown / 30-025-45499
Survey Name: Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20
Survey Date: May 30, 2020
Tort / AHD / DDI / ERD Ratio: 94.476 ° / 11208.503 ft / 6.336 / 1.180
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 40' 2.41693", W 103° 36' 43.66620"
Location Grid N/E Y/X: N 607262.580 ftUS, E 763270.150 ftUS
CRS Grid Convergence Angle: 0.3893 °
Grid Scale Factor: 0.9999655
Version / Patch: 2.10.811.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.740 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3753.200 ft above MSL
Seabed / Ground Elevation: 3721.200 ft above MSL
Magnetic Declination: 6.482 °
Total Gravity Field Strength: 998.5106mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48070.348 nT
Magnetic Dip Angle: 60.584 °
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North Reference: Grid North
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Total Corr Mag North->Grid North: 6.0925 °
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 Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	100.00	0.00	90.77	100.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	200.00	0.00	90.77	200.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	300.00	0.00	90.77	300.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	400.00	0.00	90.77	400.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	500.00	0.00	90.77	500.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	600.00	0.00	90.77	600.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	700.00	0.00	90.77	700.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	800.00	0.00	90.77	800.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	900.00	0.00	90.77	900.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
Nudge 1.5° DLS	1000.00	0.00	90.77	1000.00	0.00	0.00	0.00	0.00	607262.58	763270.15	N 32 40 2.42	W 103 36 43.67
	1100.00	1.50	90.77	1099.99	0.02	-0.02	1.31	1.50	607262.56	763271.46	N 32 40 2.42	W 103 36 43.65
	1200.00	3.00	90.77	1199.91	0.09	-0.07	5.23	1.50	607262.51	763275.38	N 32 40 2.42	W 103 36 43.60
	1300.00	4.50	90.77	1299.69	0.21	-0.16	11.77	1.50	607262.42	763281.92	N 32 40 2.41	W 103 36 43.53
Hold	1399.95	6.00	90.77	1399.22	0.38	-0.28	20.92	1.50	607262.30	763291.07	N 32 40 2.41	W 103 36 43.42
	1400.00	6.00	90.77	1399.27	0.38	-0.28	20.92	0.00	607262.30	763291.07	N 32 40 2.41	W 103 36 43.42
	1500.00	6.00	90.77	1498.72	0.57	-0.42	31.37	0.00	607262.16	763301.52	N 32 40 2.41	W 103 36 43.30
Rustler	1594.80	6.00	90.77	1593.00	0.74	-0.56	41.28	0.00	607262.02	763311.43	N 32 40 2.41	W 103 36 43.18
	1600.00	6.00	90.77	1598.17	0.75	-0.56	41.82	0.00	607262.02	763311.97	N 32 40 2.41	W 103 36 43.18
	1700.00	6.00	90.77	1697.63	0.94	-0.71	52.27	0.00	607261.87	763322.42	N 32 40 2.41	W 103 36 43.05
	1800.00	6.00	90.77	1797.08	1.13	-0.85	62.73	0.00	607261.73	763332.87	N 32 40 2.40	W 103 36 42.93
Salado	1896.45	6.00	90.77	1893.00	1.31	-0.98	72.80	0.00	607261.60	763342.95	N 32 40 2.40	W 103 36 42.81
	1900.00	6.00	90.77	1896.53	1.32	-0.99	73.18	0.00	607261.59	763343.32	N 32 40 2.40	W 103 36 42.81
	2000.00	6.00	90.77	1995.98	1.51	-1.13	83.63	0.00	607261.45	763353.77	N 32 40 2.40	W 103 36 42.69
	2100.00	6.00	90.77	2095.44	1.70	-1.27	94.08	0.00	607261.31	763364.22	N 32 40 2.40	W 103 36 42.57
	2200.00	6.00	90.77	2194.89	1.88	-1.41	104.53	0.00	607261.17	763374.67	N 32 40 2.40	W 103 36 42.44
	2300.00	6.00	90.77	2294.34	2.07	-1.55	114.98	0.00	607261.03	763385.12	N 32 40 2.39	W 103 36 42.32
	2400.00	6.00	90.77	2393.79	2.26	-1.69	125.43	0.00	607260.89	763395.57	N 32 40 2.39	W 103 36 42.20
	2500.00	6.00	90.77	2493.24	2.45	-1.83	135.88	0.00	607260.75	763406.02	N 32 40 2.39	W 103 36 42.08
	2600.00	6.00	90.77	2592.70	2.64	-1.97	146.33	0.00	607260.61	763416.47	N 32 40 2.39	W 103 36 41.95
	2700.00	6.00	90.77	2692.15	2.83	-2.12	156.78	0.00	607260.47	763426.92	N 32 40 2.39	W 103 36 41.83
	2800.00	6.00	90.77	2791.60	3.01	-2.26	167.23	0.00	607260.32	763437.37	N 32 40 2.38	W 103 36 41.71
	2900.00	6.00	90.77	2891.05	3.20	-2.40	177.68	0.00	607260.18	763447.82	N 32 40 2.38	W 103 36 41.59
	3000.00	6.00	90.77	2990.51	3.39	-2.54	188.13	0.00	607260.04	763458.27	N 32 40 2.38	W 103 36 41.47
	3100.00	6.00	90.77	3089.96	3.58	-2.68	198.58	0.00	607259.90	763468.73	N 32 40 2.38	W 103 36 41.34
	3200.00	6.00	90.77	3189.41	3.77	-2.82	209.03	0.00	607259.76	763479.18	N 32 40 2.37	W 103 36 41.22
	3300.00	6.00	90.77	3288.86	3.96	-2.96	219.48	0.00	607259.62	763489.63	N 32 40 2.37	W 103 36 41.10
	3400.00	6.00	90.77	3388.32	4.15	-3.10	229.93	0.00	607259.48	763500.08	N 32 40 2.37	W 103 36 40.98
	3500.00	6.00	90.77	3487.77	4.33	-3.24	240.38	0.00	607259.34	763510.53	N 32 40 2.37	W 103 36 40.85
	3600.00	6.00	90.77	3587.22	4.52	-3.38	250.84	0.00	607259.20	763520.98	N 32 40 2.37	W 103 36 40.73
	3700.00	6.00	90.77	3686.67	4.71	-3.52	261.29	0.00	607259.06	763531.43	N 32 40 2.36	W 103 36 40.61
7 Rivers	3731.50	6.00	90.77	3718.00	4.77	-3.57	264.58	0.00	607259.01	763534.72	N 32 40 2.36	W 103 36 40.57
	3800.00	6.00	90.77	3786.13	4.90	-3.67	271.74	0.00	607258.91	763541.88	N 32 40 2.36	W 103 36 40.49
	3900.00	6.00	90.77	3885.58	5.09	-3.81	282.19	0.00	607258.77	763552.33	N 32 40 2.36	W 103 36 40.37
	4000.00	6.00	90.77	3985.03	5.28	-3.95	292.64	0.00	607258.63	763562.78	N 32 40 2.36	W 103 36 40.24
	4100.00	6.00	90.77	4084.48	5.46	-4.09	303.09	0.00	607258.49	763573.23	N 32 40 2.36	W 103 36 40.12
	4200.00	6.00	90.77	4183.93	5.65	-4.23	313.54	0.00	607258.35	763583.68	N 32 40 2.35	W 103 36 40.00
	4300.00	6.00	90.77	4283.39	5.84	-4.37	323.99	0.00	607258.21	763594.13	N 32 40 2.35	W 103 36 39.88
	4400.00	6.00	90.77	4382.84	6.03	-4.51	334.44	0.00	607258.07	763604.58	N 32 40 2.35	W 103 36 39.75
Queen	4425.30	6.00	90.77	4408.00	6.08	-4.55	337.08	0.00	607258.03	763607.22	N 32 40 2.35	W 103 36 39.72
	4500.00	6.00	90.77	4482.29	6.22	-4.65	344.89	0.00	607257.93	763615.03	N 32 40 2.35	W 103 36 39.63
	4600.00	6.00	90.77	4581.74	6.41	-4.79	355.34	0.00	607257.79	763625.48	N 32 40 2.35	W 103 36 39.51
	4700.00	6.00	90.77	4681.20	6.59	-4.93	365.79	0.00	607257.65	763635.93	N 32 40 2.34	W 103 36 39.39
	4800.00	6.00	90.77	4780.65	6.78	-5.08	376.24	0.00	607257.50	763646.38	N 32 40 2.34	W 103 36 39.27
	4900.00	6.00	90.77	4880.10	6.97	-5.22	386.69	0.00	607257.36	763656.83	N 32 40 2.34	W 103 36 39.14
	5000.00	6.00	90.77	4979.55	7.16	-5.36	397.14	0.00	607257.22	763667.28	N 32 40 2.34	W 103 36 39.02
	5100.00	6.00	90.77	5079.01	7.35	-5.50	407.59	0.00	607257.08	763677.73	N 32 40 2.34	W 103 36 38.90
	5200.00	6.00	90.77	5178.46	7.54	-5.64	418.04	0.00	607256.94	763688.18	N 32 40 2.33	W 103 36 38.78
	5300.00	6.00	90.77	5277.91	7.72	-5.78	428.49	0.00	607256.80	763698.63	N 32 40 2.33	W 103 36 38.65
	5400.00	6.00	90.77	5377.36	7.91	-5.92	438.95	0.00	607256.66	763709.08	N 32 40 2.33	W 103 36 38.53
	5500.00	6.00	90.77	5476.81	8.10	-6.06	449.40	0.00	607256.52	763719.53	N 32 40 2.33	W 103 36 38.41
	5600.00	6.00	90.77	5576.27	8.29	-6.20	459.85	0.00	607256.38	763729.98	N 32 40 2.32	W 103 36 38.29
	5700.00	6.00	90.77	5675.72	8.48	-6.34	470.30	0.00	607256.24	763740.43	N 32 40 2.32	W 103 36 38.17
	5800.00	6.00	90.77	5775.17	8.67	-6.49	480.75	0.00	607256.09	763750.88	N 32 40 2.32	W 103 36 38.04
	5900.00	6.00	90.77	5874.62	8.86	-6.63	491.20	0.00	607255.95	763761.33	N 32 40 2.32	W 103 36 37.92
	6000.00	6.00	90.77	5974.08	9.04	-6.77	501.65	0.00	607255.81	763771.78	N 32 40 2.32	W 103 36 37.80
	6100.00	6.00	90.77	6073.53	9.23	-6.91	512.10	0.00	607255.67	763782.23	N 32 40 2.31	W 103 36 37.68
	6200.00	6.00	90.77	6172.98	9.42	-7.05	522.55	0.00	607255.53	763792.68	N 32 40 2.31	W 103 36 37.55
	6300.00	6.00	90.77	6272.43	9.61	-7.19	533.00	0.00	607255.39	763803.13	N 32 40 2.31	W 103 36 37.43
	6400.00	6.00	90.77	6371.89	9.80	-7.33	543.45	0.00	607255.25	763813.58	N 32 40 2.31	W 103 36 37.31

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 ° ' ")
Delaware Mtn Gr	6421.23	6.00	90.77	6393.00	9.84	-7.36	545.67	0.00	607255.22	763815.80	N 32 40 2.31	W 103 36 37.28
	6500.00	6.00	90.77	6471.34	9.99	-7.47	553.90	0.00	607255.11	763824.03	N 32 40 2.31	W 103 36 37.19
	6600.00	6.00	90.77	6570.79	10.17	-7.61	564.35	0.00	607254.97	763834.48	N 32 40 2.30	W 103 36 37.07
	6700.00	6.00	90.77	6670.24	10.36	-7.75	574.80	0.00	607254.83	763844.93	N 32 40 2.30	W 103 36 36.94
	6800.00	6.00	90.77	6769.70	10.55	-7.90	585.25	0.00	607254.68	763855.38	N 32 40 2.30	W 103 36 36.82
	6900.00	6.00	90.77	6869.15	10.74	-8.04	595.70	0.00	607254.54	763865.83	N 32 40 2.30	W 103 36 36.70
	7000.00	6.00	90.77	6968.60	10.93	-8.18	606.15	0.00	607254.40	763876.28	N 32 40 2.30	W 103 36 36.58
	7100.00	6.00	90.77	7068.05	11.12	-8.32	616.60	0.00	607254.26	763886.73	N 32 40 2.29	W 103 36 36.45
	7200.00	6.00	90.77	7167.50	11.30	-8.46	627.06	0.00	607254.12	763897.18	N 32 40 2.29	W 103 36 36.33
	7300.00	6.00	90.77	7266.96	11.49	-8.60	637.51	0.00	607253.98	763907.63	N 32 40 2.29	W 103 36 36.21
	7400.00	6.00	90.77	7366.41	11.68	-8.74	647.96	0.00	607253.84	763918.08	N 32 40 2.29	W 103 36 36.09
	7500.00	6.00	90.77	7465.86	11.87	-8.88	658.41	0.00	607253.70	763928.53	N 32 40 2.28	W 103 36 35.97
	7600.00	6.00	90.77	7565.31	12.06	-9.02	668.86	0.00	607253.56	763938.98	N 32 40 2.28	W 103 36 35.84
	7700.00	6.00	90.77	7664.77	12.25	-9.16	679.31	0.00	607253.42	763949.43	N 32 40 2.28	W 103 36 35.72
	7800.00	6.00	90.77	7764.22	12.44	-9.31	689.76	0.00	607253.28	763959.88	N 32 40 2.28	W 103 36 35.60
	7900.00	6.00	90.77	7863.67	12.62	-9.45	700.21	0.00	607253.13	763970.33	N 32 40 2.28	W 103 36 35.48
Bone Spring	7974.74	6.00	90.77	7938.00	12.76	-9.55	708.02	0.00	607253.03	763978.14	N 32 40 2.27	W 103 36 35.38
	8000.00	6.00	90.77	7963.12	12.81	-9.59	710.66	0.00	607252.99	763980.78	N 32 40 2.27	W 103 36 35.35
	8100.00	6.00	90.77	8062.58	13.00	-9.73	721.11	0.00	607252.85	763991.23	N 32 40 2.27	W 103 36 35.23
	8200.00	6.00	90.77	8162.03	13.19	-9.87	731.56	0.00	607252.71	764001.68	N 32 40 2.27	W 103 36 35.11
	8300.00	6.00	90.77	8261.48	13.38	-10.01	742.01	0.00	607252.57	764012.13	N 32 40 2.27	W 103 36 34.99
	8400.00	6.00	90.77	8360.93	13.57	-10.15	752.46	0.00	607252.43	764022.58	N 32 40 2.27	W 103 36 34.87
	8500.00	6.00	90.77	8460.38	13.75	-10.29	762.91	0.00	607252.29	764033.03	N 32 40 2.26	W 103 36 34.74
	8600.00	6.00	90.77	8559.84	13.94	-10.43	773.36	0.00	607252.15	764043.48	N 32 40 2.26	W 103 36 34.62
	8700.00	6.00	90.77	8659.29	14.13	-10.57	783.81	0.00	607252.01	764053.93	N 32 40 2.26	W 103 36 34.50
Build 10° DLS	8711.35	6.00	90.77	8670.58	14.15	-10.59	785.00	0.00	607251.99	764055.12	N 32 40 2.26	W 103 36 34.48
	8800.00	11.07	143.92	8758.34	21.15	-17.54	794.66	10.00	607254.04	764064.78	N 32 40 2.19	W 103 36 34.37
	8900.00	20.20	159.76	8854.57	45.22	-41.56	806.32	10.00	607221.02	764076.44	N 32 40 1.95	W 103 36 34.24
	9000.00	29.88	165.80	8945.08	85.73	-82.02	818.43	10.00	607180.57	764088.55	N 32 40 1.55	W 103 36 34.10
Build & Turn 10° DLS	9052.18	35.00	167.70	8989.11	113.00	-109.26	824.81	10.00	607153.32	764094.93	N 32 40 1.28	W 103 36 34.03
	9100.00	39.64	169.62	9027.12	141.44	-137.68	830.49	10.00	607124.91	764100.61	N 32 40 1.00	W 103 36 33.96
	9200.00	49.41	172.64	9098.34	210.70	-206.89	841.12	10.00	607055.70	764111.24	N 32 40 0.31	W 103 36 33.84
1st Bone Spring SS	9247.94	54.12	173.79	9128.00	248.10	-244.27	845.56	10.00	607018.32	764115.68	N 32 39 59.94	W 103 36 33.79
	9300.00	59.25	174.88	9156.58	291.40	-287.55	849.84	10.00	606975.04	764119.96	N 32 39 59.51	W 103 36 33.75
	9400.00	69.11	176.71	9200.09	381.09	-377.21	856.37	10.00	606885.38	764126.49	N 32 39 58.63	W 103 36 33.68
	9500.00	78.99	178.30	9227.53	477.05	-473.15	860.52	10.00	606789.45	764130.64	N 32 39 57.68	W 103 36 33.64
Landing Point	9596.12	88.50	179.74	9237.99	572.47	-568.57	862.15	10.00	606694.03	764132.26	N 32 39 56.73	W 103 36 33.63
	9600.00	88.50	179.74	9238.09	576.36	-572.45	862.16	0.00	606690.15	764132.28	N 32 39 56.69	W 103 36 33.63
	9700.00	88.50	179.74	9240.71	676.32	-672.41	862.63	0.00	606590.19	764132.74	N 32 39 55.71	W 103 36 33.63
	9800.00	88.50	179.74	9243.32	776.29	-772.38	863.09	0.00	606490.23	764133.21	N 32 39 54.72	W 103 36 33.63
	9900.00	88.50	179.74	9245.94	876.25	-872.34	863.55	0.00	606390.27	764133.67	N 32 39 53.73	W 103 36 33.63
	10000.00	88.50	179.74	9248.56	976.22	-972.31	864.01	0.00	606290.31	764134.13	N 32 39 52.74	W 103 36 33.64
	10100.00	88.50	179.74	9251.18	1076.19	-1072.27	864.47	0.00	606190.35	764134.59	N 32 39 51.75	W 103 36 33.64
	10200.00	88.50	179.74	9253.80	1176.15	-1172.24	864.93	0.00	606090.38	764135.05	N 32 39 50.76	W 103 36 33.64
	10300.00	88.50	179.74	9256.41	1276.12	-1272.20	865.39	0.00	605990.42	764135.51	N 32 39 49.77	W 103 36 33.64
	10400.00	88.50	179.74	9259.03	1376.08	-1372.17	865.85	0.00	605890.46	764135.97	N 32 39 48.78	W 103 36 33.65
	10500.00	88.50	179.74	9261.65	1476.05	-1472.13	866.32	0.00	605790.50	764136.43	N 32 39 47.79	W 103 36 33.65
	10600.00	88.50	179.74	9264.27	1576.01	-1572.10	866.78	0.00	605690.54	764136.90	N 32 39 46.80	W 103 36 33.65
	10700.00	88.50	179.74	9266.88	1675.98	-1672.06	867.24	0.00	605590.58	764137.36	N 32 39 45.81	W 103 36 33.66
	10800.00	88.50	179.74	9269.50	1775.95	-1772.03	867.70	0.00	605490.62	764137.82	N 32 39 44.83	W 103 36 33.66
	10900.00	88.50	179.74	9272.12	1875.91	-1871.99	868.16	0.00	605390.66	764138.28	N 32 39 43.84	W 103 36 33.66
	11000.00	88.50	179.74	9274.74	1975.88	-1971.96	868.62	0.00	605290.70	764138.74	N 32 39 42.85	W 103 36 33.66
	11100.00	88.50	179.74	9277.35	2075.84	-2071.92	869.08	0.00	605190.74	764139.20	N 32 39 41.86	W 103 36 33.67
	11200.00	88.50	179.74	9279.97	2175.81	-2171.88	869.55	0.00	605090.77	764139.66	N 32 39 40.87	W 103 36 33.67
	11300.00	88.50	179.74	9282.59	2275.77	-2271.85	870.01	0.00	604990.81	764140.12	N 32 39 39.88	W 103 36 33.67
	11400.00	88.50	179.74	9285.21	2375.74	-2371.81	870.47	0.00	604890.85	764140.59	N 32 39 38.89	W 103 36 33.67
	11500.00	88.50	179.74	9287.83	2475.71	-2471.78	870.93	0.00	604790.89	764141.05	N 32 39 37.90	W 103 36 33.68
	11600.00	88.50	179.74	9290.44	2575.67	-2571.74	871.39	0.00	604690.93	764141.51	N 32 39 36.91	W 103 36 33.68
	11700.00	88.50	179.74	9293.06	2675.64	-2671.71	871.85	0.00	604590.97	764141.97	N 32 39 35.92	W 103 36 33.68
	11800.00	88.50	179.74	9295.68	2775.60	-2771.67	872.31	0.00	604491.01	764142.43	N 32 39 34.93	W 103 36 33.68
	11900.00	88.50	179.74	9298.30	2875.57	-2871.64	872.77	0.00	604391.05	764142.89	N 32 39 33.95	W 103 36 33.69
	12000.00	88.50	179.74	9300.91	2975.53	-2971.60	873.24	0.00	604291.09	764143.35	N 32 39 32.96	W 103 36 33.69
	12100.00	88.50	179.74	9303.53	3075.50	-3071.57	873.70	0.00	604191.13	764143.82	N 32 39 31.97	W 103 36 33.69
	12200.00	88.50	179.74	9306.15	3175.47	-3171.53	874.16	0.00	604091.16	764144.28	N 32 39 30.98	W 103 36 33.69
	12300.00	88.50	179.74	9308.77	3275.43	-3271.50	874.62	0.00	603991.20	764144.74	N 32 39 29.99	W 103 36 33.70
	12400.00	88.50	179.74	9311.39	3375.40	-3371.46	875.08	0.00	603891.24	764145.20	N 32 39 29.00	W 103 36 33.70
	12500.00	88.50	179.74	9314.00	3475.36	-3471.43	875.54	0.00	603791.28	764145.66	N 32 39 28.01	W 103 36 33.70
	12600.00	88.50	179.74	9316.62	3575.33	-3571.39	876.00	0.00	603691.32	764146.12	N 32 39 27.02	W 103 36 33.70
	12700.00	88.50	179.74	9319.24	3675.29	-3671.35	876.46	0.00	603591.36	764146.58	N 32 39 26.03	W 103 36 33.71
	12800.00	88.50	179.74	9321.86	3775.26	-3771.32	876.93	0.00	603491.40	764147.04	N 32 39 25.04	W 103 36 33.71
	12900.00	88.50	179.74	9324.47	3875.23	-3871.28	877.39	0.00	603391.44	764147.51	N 32 39 24.05	W 103 36 33.71
	13000.00	88.50	179.74	9327.09	3975.19	-3971.25	877.85	0.00	603291.48	764147.97	N 32 39 23.07	W 103 36 33.71
	13100.00	88.50	179.74	9329.71	4075.16	-4071.21	878.31	0.00	603191.52	764148.43	N 32 39 22.08	W 103 36 33.72
	13200.00	88.50	179.74	9332.33	4175.12	-4171.18	878.77	0.00	603091.55	764148.89	N 32 39 21.09	W 103 36 33.72
	13300.00	88.50	179.74	9334.94	4275.09	-4271.14	879.23	0.00	602991.59	764149.35	N 32 39 20.10	W 103 36 33.72
	13400.00	88.50	179.74	9337.56	4375.05	-4371.11	879.69	0.00	602891.63	764149.		

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 ° ' ")
	15900.00	88.50	179.74	9403.01	6874.20	-6870.22	891.23	0.00	600392.61	764161.34	N 32 38 54.38	W 103 36 33.79
	16000.00	88.50	179.74	9405.62	6974.16	-6970.19	891.69	0.00	600292.65	764161.81	N 32 38 53.39	W 103 36 33.79
	16100.00	88.50	179.74	9408.24	7074.13	-7070.15	892.15	0.00	600192.68	764162.27	N 32 38 52.40	W 103 36 33.79
	16200.00	88.50	179.74	9410.86	7174.09	-7170.12	892.61	0.00	600092.72	764162.73	N 32 38 51.41	W 103 36 33.80
	16300.00	88.50	179.74	9413.48	7274.06	-7270.08	893.07	0.00	599992.76	764163.19	N 32 38 50.42	W 103 36 33.80
	16400.00	88.50	179.74	9416.09	7374.03	-7370.05	893.53	0.00	599892.80	764163.65	N 32 38 49.44	W 103 36 33.80
	16500.00	88.50	179.74	9418.71	7473.99	-7470.01	893.99	0.00	599792.84	764164.11	N 32 38 48.45	W 103 36 33.80
	16600.00	88.50	179.74	9421.33	7573.96	-7569.98	894.46	0.00	599692.88	764164.57	N 32 38 47.46	W 103 36 33.81
	16700.00	88.50	179.74	9423.95	7673.92	-7669.94	894.92	0.00	599592.92	764165.03	N 32 38 46.47	W 103 36 33.81
	16800.00	88.50	179.74	9426.57	7773.89	-7769.91	895.38	0.00	599492.96	764165.50	N 32 38 45.48	W 103 36 33.81
	16900.00	88.50	179.74	9429.18	7873.86	-7869.87	895.84	0.00	599393.00	764165.96	N 32 38 44.49	W 103 36 33.81
	17000.00	88.50	179.74	9431.80	7973.82	-7969.84	896.30	0.00	599293.04	764166.42	N 32 38 43.50	W 103 36 33.82
	17100.00	88.50	179.74	9434.42	8073.79	-8069.80	896.76	0.00	599193.07	764166.88	N 32 38 42.51	W 103 36 33.82
	17200.00	88.50	179.74	9437.04	8173.75	-8169.76	897.22	0.00	599093.11	764167.34	N 32 38 41.52	W 103 36 33.82
	17300.00	88.50	179.74	9439.65	8273.72	-8269.73	897.69	0.00	598993.15	764167.80	N 32 38 40.53	W 103 36 33.83
	17400.00	88.50	179.74	9442.27	8373.68	-8369.69	898.15	0.00	598893.19	764168.26	N 32 38 39.54	W 103 36 33.83
	17500.00	88.50	179.74	9444.89	8473.65	-8469.66	898.61	0.00	598793.23	764168.73	N 32 38 38.56	W 103 36 33.83
	17600.00	88.50	179.74	9447.51	8573.62	-8569.62	899.07	0.00	598693.27	764169.19	N 32 38 37.57	W 103 36 33.83
	17700.00	88.50	179.74	9450.13	8673.58	-8669.59	899.53	0.00	598593.31	764169.65	N 32 38 36.58	W 103 36 33.84
	17800.00	88.50	179.74	9452.74	8773.55	-8769.55	899.99	0.00	598493.35	764170.11	N 32 38 35.59	W 103 36 33.84
	17900.00	88.50	179.74	9455.36	8873.51	-8869.52	900.45	0.00	598393.39	764170.57	N 32 38 34.60	W 103 36 33.84
	18000.00	88.50	179.74	9457.98	8973.48	-8969.48	900.91	0.00	598293.43	764171.03	N 32 38 33.61	W 103 36 33.84
	18100.00	88.50	179.74	9460.60	9073.44	-9069.45	901.38	0.00	598193.46	764171.49	N 32 38 32.62	W 103 36 33.85
	18200.00	88.50	179.74	9463.21	9173.41	-9169.41	901.84	0.00	598093.50	764171.95	N 32 38 31.63	W 103 36 33.85
	18300.00	88.50	179.74	9465.83	9273.38	-9269.38	902.30	0.00	597993.54	764172.42	N 32 38 30.64	W 103 36 33.85
	18400.00	88.50	179.74	9468.45	9373.34	-9369.34	902.76	0.00	597893.58	764172.88	N 32 38 29.65	W 103 36 33.85
	18500.00	88.50	179.74	9471.07	9473.31	-9469.31	903.22	0.00	597793.62	764173.34	N 32 38 28.66	W 103 36 33.86
	18600.00	88.50	179.74	9473.68	9573.27	-9569.27	903.68	0.00	597693.66	764173.80	N 32 38 27.68	W 103 36 33.86
	18700.00	88.50	179.74	9476.30	9673.24	-9669.23	904.14	0.00	597593.70	764174.26	N 32 38 26.69	W 103 36 33.86
	18800.00	88.50	179.74	9478.92	9773.20	-9769.20	904.60	0.00	597493.74	764174.72	N 32 38 25.70	W 103 36 33.86
	18900.00	88.50	179.74	9481.54	9873.17	-9869.16	905.07	0.00	597393.78	764175.18	N 32 38 24.71	W 103 36 33.87
	19000.00	88.50	179.74	9484.16	9973.14	-9969.13	905.53	0.00	597293.81	764175.64	N 32 38 23.72	W 103 36 33.87
	19100.00	88.50	179.74	9486.77	10073.10	-10069.09	905.99	0.00	597193.85	764176.11	N 32 38 22.73	W 103 36 33.87
	19200.00	88.50	179.74	9489.39	10173.07	-10169.06	906.45	0.00	597093.89	764176.57	N 32 38 21.74	W 103 36 33.87
	19300.00	88.50	179.74	9492.01	10273.03	-10269.02	906.91	0.00	596993.93	764177.03	N 32 38 20.75	W 103 36 33.88
	19400.00	88.50	179.74	9494.63	10373.00	-10368.99	907.37	0.00	596893.97	764177.49	N 32 38 19.76	W 103 36 33.88

Chisholm
Stetson 13-24
1BS Fed Com
6H - PBHL

19452.09 88.50 179.74 9495.99 10425.07 -10421.06 907.61 0.00 596841.90 764177.73 N 32 38 19.25 W 103 36 33.88

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	32.000	1/100.000	30.000	30.000		NAL_MWD_1.0_DEG-Depth Only	Stetson 13-24 1BS Fed Com 6H / Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20
	1	32.000	19452.091	1/100.000	30.000	30.000		NAL_MWD_1.0_DEG	Stetson 13-24 1BS Fed Com 6H / Chisholm Stetson 13-24 1BS Fed



Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20 Anti-Collision Summary Report

Analysis Date-24hr Time: June 01, 2020 - 17:11

Client: Chisholm
Field: NM Lea County (NAD 83)
Structure: Chisholm Stetson 13-24 1BS Fed Com 6H
Slot: New Slot
Well: Stetson 13-24 1BS Fed Com 6H
Borehole: Stetson 13-24 1BS Fed Com 6H
Scan MD Range: 0.00ft ~ 19452.09ft

Analysis Method: 3D Least Distance
Reference Trajectory: Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20 (Def Plan)
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: NAL Procedure: D&M AntiCollision Standard S002
Min Pts: All local minima indicated.
Version / Patch: 2.10.811.0
Database \ Project: localhost\drilling-project1

Trajectory Error Model: ISCSAWO 3-D 95.000% Confidence 2.7955 sigma

Offset Trajectories Summary

Offset Selection Criteria

Wellhead distance scan: Restricted within 60462.59 ft
Selection filters:
- Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans
- All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		

Results highlighted: Sep-Factor separation <= 1.50 ft

30-025-34676 - CHISHOLM
SAGEBRUSH 24 FEDERAL
#001 Inc Only 0' to 12648' - A
(Def Survey)

Fail Minor

5914.14	32.81	5911.64	5881.33	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
5913.88	32.81	5911.35	5881.07	231946.65	MAS = 10.00 (m)	32.00	32.00					WRP
5913.78	32.81	5911.16	5880.90	48793.57	MAS = 10.00 (m)	70.00	70.00					MinPts
5907.85	102.84	5838.45	5805.01	88.28	OSF1.50	2140.00	2135.22					MinPt-CtCt
5902.88	194.88	5772.12	5708.00	46.01	OSF1.50	3890.00	3875.63					MinPt-CtCt
5910.15	216.46	5765.06	5693.76	41.43	OSF1.50	4440.00	4422.62					MINPT-O-EOU
5916.13	285.41	5725.02	5630.71	31.35	OSF1.50	5580.00	5556.38					MinPt-CtCt
5923.64	380.85	5668.91	5542.79	23.48	OSF1.50	7390.00	7356.46					MinPt-CtCt
1670.51	508.49	1329.00	1162.02	4.98	OSF1.50	13390.00	9337.30	OSF<5.00				Enter Alert
623.46	623.63	206.88	-0.17	1.50	OSF1.50	14910.00	9377.09		OSF<1.50			Enter Minor
622.63	623.55	206.10	-0.92	1.50	OSF1.50	14940.00	9377.88					MinPts
622.87	623.16	206.59	-0.30	1.50	OSF1.50	14960.00	9378.40		OSF>1.50			Exit Minor
1666.78	502.11	1331.21	1164.68	5.00	OSF1.50	16490.00	9418.45	OSF>5.00				Exit Alert
4549.47	488.99	4222.64	4060.48	14.02	OSF1.50	19452.09	9495.99					TD

30-025-38388 - CIMAREX
AFTON 24 FEDERAL COM
#001 Inc Only 0' to 13504' - A
(Def Survey)

Fail Minor

9826.63	32.81	9824.13	9793.82	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
9826.38	32.81	9823.85	9793.57	359186.69	MAS = 10.00 (m)	32.00	32.00					WRP
9826.20	32.81	9823.44	9793.35	37608.15	MAS = 10.00 (m)	100.00	100.00					MinPts
9819.07	128.50	9732.56	9690.57	116.87	OSF1.50	2640.00	2632.48					MinPt-CtCt
9822.52	138.78	9729.16	9683.73	108.08	OSF1.50	3010.00	3000.45					MINPT-O-EOU
9826.90	144.03	9730.05	9682.87	104.12	OSF1.50	3200.00	3189.41					MinPt-O-ADP
9831.46	191.38	9703.04	9640.08	78.06	OSF1.50	3830.00	3815.96					MinPt-CtCt
9834.74	268.49	9654.92	9566.25	55.45	OSF1.50	5290.00	5267.96					MinPt-CtCt
9835.47	363.39	9592.37	9472.08	40.87	OSF1.50	7100.00	7068.05					MinPt-CtCt
1670.25	569.38	1486.71	1300.87	5.00	OSF1.50	17160.00	9435.99	OSF<5.00				Enter Alert
809.95	810.18	268.57	-0.24	1.50	OSF1.50	18700.00	9476.30		OSF<1.50			Enter Minor
795.31	817.88	249.23	-22.56	1.46	OSF1.50	18850.00	9480.23					MinPts
806.95	809.70	266.32	-2.75	1.49	OSF1.50	18990.00	9483.89		OSF>1.50			Exit Minor
995.35	714.07	518.47	281.28	2.09	OSF1.50	19452.09	9495.99					TD

Chisholm Stetson 13-24 1BS
Fed Com 5H Rev0 CVS
29May20 (Def Plan)

Warning Alert

29.95	24.46	27.45	5.49	N/A	MAS = 7.46 (m)	0.00	0.00	CtCt<=15m<15.00				Enter Alert
29.95	24.46	27.45	5.49	N/A	MAS = 7.46 (m)	32.00	32.00					WRP
29.95	24.46	21.58	5.49	4.68	MAS = 7.46 (m)	1000.00	1000.00					MinPts
30.00	24.46	21.54	5.54	4.61	MAS = 7.46 (m)	1020.00	1020.00					MINPT-O-EOU
30.79	24.46	22.04	6.38	4.51	MAS = 7.46 (m)	1080.00	1079.99					MinPt-O-SF
48.84	24.46	38.89	24.37	6.22	MAS = 7.46 (m)	1380.00	1379.37	CtCt<=15m>15.00				Exit Alert
50.87	24.46	40.84	26.41	6.42	MAS = 7.46 (m)	1400.00	1399.27					MinPt-O-SF
1274.96	68.03	1228.77	1206.93	29.13	OSF1.50	8711.35	8670.58					MinPt-O-SF
1349.66	407.34	1077.27	942.32	4.99	OSF1.50	13270.00	9334.16	OSF<5.00				Enter Alert
1349.78	989.07	689.57	360.71	2.05	OSF1.50	19452.09	9495.99					MinPts

30-025-35192 - CHISHOLM
PANAMA 13 FEDERAL #002
Inc Only 0' to 9900' - A (Def
Survey)

Warning Alert

3607.77	32.81	3605.27	3574.97	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
3607.44	32.81	3604.91	3574.63	121252.42	MAS = 10.00 (m)	30.00	30.00					MinPt-O-SF
3607.43	32.81	3604.90	3574.62	123472.72	MAS = 10.00 (m)	32.00	32.00					WRP
3607.35	32.81	3604.78	3574.54	30811.49	MAS = 10.00 (m)	60.00	60.00					MinPts
3608.41	50.67	3573.79	3557.74	112.28	OSF1.50	1100.00	1099.99					MinPt-CtCt
3596.14	197.03	3463.93	3399.09	27.71	OSF1.50	3910.00	3895.52					MinPt-CtCt
3604.39	221.67	3465.78	3382.72	24.65	OSF1.50	4460.00	4442.51					MINPT-O-EOU
3595.94	308.78	3389.25	3287.15	17.60	OSF1.50	6020.00	5993.97					MinPt-CtCt
1628.67	493.18	1298.27	1135.49	4.99	OSF1.50	11110.00	9277.62	OSF<5.00				Enter Alert
614.80	536.59	256.24	78.21	1.72	OSF1.50	12610.00	9316.88					MinPts
614.75	536.48	256.26	78.27	1.72	OSF1.50	12620.00	9317.14					MinPt-CtCt
1604.24	484.74	1280.25	1119.51	4.98	OSF1.50	14100.00	9355.89	OSF>5.00				Exit Alert
6861.29	473.48	6544.80	6387.81	21.84	OSF1.50	19452.09	9495.99					TD

Chisholm Stetson 13-24 1BS
Fed Com 4H Rev0 CVS
07May20 (Def Plan)

Warning Alert

2635.80	32.81	2633.30	2602.99	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
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...Stetson 13-24 1BS Fed Com 6H\Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20

Offset Trajectory	Separation			Allow	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
2635.77	32.81	2633.27	2602.96	N/A		MAS = 10.00 (m)	10.00	10.00				MinPts	
2635.77	32.81	2633.27	2602.96	N/A		MAS = 10.00 (m)	32.00	32.00				WRP	
2635.77	32.81	2627.44	2602.96	451.53		MAS = 10.00 (m)	1000.00	1000.00				MinPts	
2635.82	32.81	2627.39	2603.01	444.33		MAS = 10.00 (m)	1020.00	1020.00				MINPT-O-EOU	
2705.80	77.36	2653.40	2628.44	54.17		OSF1.50	8390.00	8350.99				MinPts	
2674.99	78.99	2621.50	2596.00	52.42		OSF1.50	8910.00	8863.93				MinPt-CtCt	
2675.02	79.16	2621.45	2595.92	52.34		OSF1.50	8930.00	8882.46				MINPT-O-EOU	
2675.06	79.16	2621.45	2595.99	52.30		OSF1.50	8940.00	8891.62				MinPt-O-ADP	
2688.84	808.89	2148.75	1879.95	5.00		OSF1.50	17620.00	9448.03	OSF<5.00			Enter Alert	
2689.71	981.54	2034.51	1708.17	4.12		OSF1.50	19452.09	9495.99				MinPts	
Chisholm Buffalo 12-1 Fed Com 2BS 1H MWD 0' to 19930' - Definitive (Def Survey)													Pass
2645.33	32.81	2642.83	2612.52	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
2645.31	32.81	2642.81	2612.50	N/A		MAS = 10.00 (m)	32.00	32.00				WRP	
2644.87	32.81	2641.22	2612.06	2307.20		MAS = 10.00 (m)	300.00	300.00				MinPts	
2646.55	32.81	2640.50	2613.74	744.49		MAS = 10.00 (m)	850.00	850.00				MINPT-O-EOU	
2672.58	32.81	2665.10	2639.77	536.74		MAS = 10.00 (m)	1400.00	1399.27				MINPT-O-EOU	
3373.10	58.71	3333.13	3314.39	89.94		OSF1.50	8800.00	8758.34				MinPt-O-SF	
3422.29	59.23	3381.97	3363.06	90.43		OSF1.50	9160.00	9071.30				MinPt-O-SF	
4715.80	126.26	4630.79	4589.54	57.13		OSF1.50	12140.00	9304.58				MinPt-O-SF	
11085.00	171.70	10969.70	10913.30	98.25		OSF1.50	19452.09	9495.99				TD	
Chisholm Stetson 13-24 1BS Fed Com 2H Rev0 CVS 07May20 (Def Plan)													Pass
2665.72	32.81	2663.22	2632.91	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
2665.69	32.81	2663.19	2632.88	N/A		MAS = 10.00 (m)	10.00	10.00				MinPts	
2665.69	32.81	2663.19	2632.88	N/A		MAS = 10.00 (m)	32.00	32.00				WRP	
2665.69	32.81	2657.36	2632.88	456.73		MAS = 10.00 (m)	1000.00	1000.00				MinPts	
2665.74	32.81	2657.32	2632.93	449.45		MAS = 10.00 (m)	1020.00	1020.00				MINPT-O-EOU	
3815.74	64.01	3772.23	3751.73	92.99		OSF1.50	7330.00	7296.79				MinPt-O-SF	
3962.41	73.55	3912.54	3888.88	83.60		OSF1.50	8720.00	8679.18				MinPt-O-SF	
4041.18	979.61	3387.26	3061.56	6.20		OSF1.50	19452.09	9495.99				MinPts	
Chisholm Buffalo 12-1 Fed Com WCC 6H ST02 0ft to 18055ft Definitive (Def Survey)													Pass
2751.60	32.81	2749.10	2718.79	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
2751.58	32.81	2749.08	2718.77	N/A		MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF	
2751.57	32.81	2749.07	2718.77	N/A		MAS = 10.00 (m)	32.00	32.00				WRP	
2751.90	32.81	2746.25	2718.09	1276.23		MAS = 10.00 (m)	500.00	500.00				MinPts	
2751.19	32.81	2745.96	2718.39	1004.41		MAS = 10.00 (m)	660.00	660.00				MINPT-O-EOU	
2787.13	32.81	2779.41	2754.32	532.99		MAS = 10.00 (m)	1400.00	1399.27				MINPT-O-EOU	
3487.80	56.71	3449.17	3431.10	96.44		OSF1.50	8800.00	8758.34				MinPt-O-SF	
3545.29	57.25	3506.29	3488.04	97.06		OSF1.50	9180.00	9085.07				MinPt-O-SF	
4918.51	130.15	4830.91	4788.36	57.77		OSF1.50	12270.00	9307.98				MinPt-O-SF	
11162.77	177.11	11043.86	10985.65	95.87		OSF1.50	19452.09	9495.99				TD	
Chisholm Buffalo 12-1 Fed Com WCC 6H ST01 0ft to 13804ft Definitive (Def Survey)													Pass
2751.60	32.81	2749.10	2718.79	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
2751.58	32.81	2749.08	2718.77	N/A		MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF	
2751.57	32.81	2749.07	2718.77	N/A		MAS = 10.00 (m)	32.00	32.00				WRP	
2751.90	32.81	2746.25	2718.09	1276.23		MAS = 10.00 (m)	500.00	500.00				MinPts	
2751.19	32.81	2745.96	2718.39	1004.41		MAS = 10.00 (m)	660.00	660.00				MINPT-O-EOU	
2787.13	32.81	2779.41	2754.32	532.99		MAS = 10.00 (m)	1400.00	1399.27				MINPT-O-EOU	
3487.80	56.71	3449.17	3431.10	96.44		OSF1.50	8800.00	8758.34				MinPt-O-SF	
3545.29	57.25	3506.29	3488.04	97.06		OSF1.50	9180.00	9085.07				MinPt-O-SF	
4918.51	130.15	4830.91	4788.36	57.77		OSF1.50	12270.00	9307.98				MinPt-O-SF	
11162.77	177.11	11043.86	10985.65	95.87		OSF1.50	19452.09	9495.99				TD	
Chisholm Buffalo 12-1 Fed Com WCC 6H 0ft to 12311ft Definitive (Def Survey)													Pass
2751.60	32.81	2749.10	2718.79	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
2751.58	32.81	2749.08	2718.77	N/A		MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF	
2751.57	32.81	2749.07	2718.77	N/A		MAS = 10.00 (m)	32.00	32.00				WRP	
2751.90	32.81	2746.25	2718.09	1276.23		MAS = 10.00 (m)	500.00	500.00				MinPts	
2751.19	32.81	2745.96	2718.39	1004.41		MAS = 10.00 (m)	660.00	660.00				MINPT-O-EOU	
2787.13	32.81	2779.41	2754.32	532.99		MAS = 10.00 (m)	1400.00	1399.27				MINPT-O-EOU	
3487.80	56.71	3449.17	3431.10	96.44		OSF1.50	8800.00	8758.34				MinPt-O-SF	
3545.29	57.25	3506.29	3488.04	97.06		OSF1.50	9180.00	9085.07				MinPt-O-SF	
4918.51	130.15	4830.91	4788.36	57.77		OSF1.50	12270.00	9307.98				MinPt-O-SF	
11162.77	177.11	11043.86	10985.65	95.87		OSF1.50	19452.09	9495.99				TD	
30-025-24343 - PRE- ONCARD WELL #001 Blind 0' to 340' - P (Def Survey)													Pass
2831.44	32.81	2828.94	2798.63	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
2831.29	32.81	2828.78	2798.48	254301.04		MAS = 10.00 (m)	20.00	20.00				MinPt-O-SF	
2831.27	32.81	2828.68	2798.46	30001.12		MAS = 10.00 (m)	32.00	32.00				WRP	
2831.27	93.57	2768.06	2737.70	46.59		OSF1.50	370.00	370.00				MinPt-CtCt	
2831.28	93.92	2767.84	2737.37	46.42		OSF1.50	380.00	380.00				MinPts	
3026.21	88.79	2966.19	2937.43	52.56		OSF1.50	1400.00	1399.27				MinPt-O-SF	
9363.58	58.87	9323.48	9304.69	249.10		OSF1.50	10740.00	9267.93				MinPt-CtCt	
9364.28	61.16	9322.69	9303.13	239.43		OSF1.50	10860.00	9271.07				MINPT-O-EOU	
9365.41	62.52	9322.96	9302.89	234.00		OSF1.50	10930.00	9272.90				MinPt-O-ADP	
12229.33	199.19	12095.70	12030.14	93.24		OSF1.50	18610.00	9473.95				MinPt-O-SF	
12787.26	207.30	12648.23	12579.96	93.64		OSF1.50	19452.09	9495.99				TD	
30-025-34484 - CIMAREX ESMERALDA 24 FEDERAL #001 Inc Only 0' to 13216' - A (Def Survey)													Pass
9113.23	32.81	9110.73	9080.42	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
9112.95	32.81	9110.41	9080.14	284858.21		MAS = 10.00 (m)	32.00	32.00				WRP	
9112.30	32.81	9103.32	9079.50	1403.98		MAS = 10.00 (m)	380.00	380.00				MinPts	

...Stetson 13-24 1BS Fed Com 6H|Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Cl-Cl (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	9117.94	67.58	9072.05	9050.36	210.09	OSF1.50	1290.00	1289.72				MinPt-CiCl	
	9126.31	87.66	9067.03	9038.65	160.70	OSF1.50	1860.00	1856.75				MINPT-O-EOU	
	9141.38	105.80	9070.02	9035.58	132.71	OSF1.50	2340.00	2334.12				MinPt-O-ADP	
	9151.99	156.36	9046.92	8995.63	89.20	OSF1.50	2910.00	2901.00				MinPt-CiCl	
	9152.65	158.28	9046.30	8994.37	88.10	OSF1.50	3040.00	3030.29				MINPT-O-EOU	
	9152.87	158.56	9046.33	8994.71	87.95	OSF1.50	3060.00	3050.18				MinPt-O-ADP	
	9170.76	196.06	9039.20	8974.67	71.04	OSF1.50	3840.00	3825.91				MINPT-O-EOU	
	9173.94	199.89	9039.85	8974.05	69.70	OSF1.50	3990.00	3975.08				MinPt-O-ADP	
	9217.92	301.15	9016.29	8916.73	46.28	OSF1.50	5930.00	5904.46				MINPT-O-EOU	
	9262.35	391.84	9000.29	8870.51	35.67	OSF1.50	7650.00	7615.04				MINPT-O-EOU	
	2915.91	768.82	2402.53	2147.09	5.70	OSF1.50	17890.00	9455.10				MinPt-CiCl	
	2916.68	771.30	2401.64	2145.37	5.69	OSF1.50	17960.00	9456.93				MINPT-O-EOU	
	2917.52	772.29	2401.83	2145.23	5.68	OSF1.50	17990.00	9457.72				MinPt-O-ADP	
	2927.20	776.71	2408.56	2150.49	5.67	OSF1.50	18150.00	9461.90				MinPt-O-SF	
	3306.17	766.17	2794.55	2540.00	6.49	OSF1.50	19452.09	9495.99				TD	

30-025-36352 - COG LA RICA
FEDERAL #004 Inc Only 0' to
3964' - A (Def Survey)

Pass

3676.10	32.81	3673.60	3643.29	N/A	MAS = 10.00 (m)	0.00	0.00	Surface
3675.76	32.81	3673.23	3642.95	121085.39	MAS = 10.00 (m)	30.00	30.00	MinPt-O-SF
3675.75	32.81	3673.22	3642.94	122898.24	MAS = 10.00 (m)	32.00	32.00	WRP
3674.60	34.35	3650.87	3640.25	172.94	OSF1.50	670.00	670.00	MinPt-CiCl
3705.68	139.74	3611.68	3565.94	40.48	OSF1.50	2750.00	2741.88	MINPT-O-EOU
3717.52	153.86	3614.11	3563.66	36.82	OSF1.50	3070.00	3060.12	MinPt-O-ADP
3744.25	207.30	3605.21	3536.95	27.41	OSF1.50	3940.00	3925.36	MINPT-O-EOU
3744.28	207.33	3605.22	3536.95	27.40	OSF1.50	3950.00	3935.30	MinPt-O-ADP
3745.49	207.49	3606.34	3538.01	27.39	OSF1.50	4030.00	4014.87	MinPt-O-SF
5533.13	114.45	5456.00	5418.68	74.10	OSF1.50	12490.00	9313.74	MinPt-CiCl
5533.46	115.36	5455.71	5418.09	73.50	OSF1.50	12550.00	9315.31	MINPT-O-EOU
5533.87	115.85	5455.80	5418.02	73.20	OSF1.50	12580.00	9316.10	MinPt-O-ADP
6718.23	192.35	6589.16	6525.88	53.06	OSF1.50	16300.00	9413.48	MinPt-O-SF
8893.35	225.87	8741.94	8667.48	59.71	OSF1.50	19452.09	9495.99	TD

30-025-36351 - COG LA RICA
FEDERAL #003 Inc Only 0' to
3995' - P (Def Survey)

Pass

4030.14	32.81	4027.64	3997.33	N/A	MAS = 10.00 (m)	0.00	0.00	Surface
4029.80	32.81	4027.27	3996.95	126265.64	MAS = 10.00 (m)	30.00	30.00	MinPt-O-SF
4029.79	32.81	4027.26	3996.98	126768.45	MAS = 10.00 (m)	32.00	32.00	WRP
4028.93	36.17	4003.98	3992.76	179.39	OSF1.50	750.00	750.00	MinPt-CiCl
4033.53	60.29	3992.50	3973.24	104.62	OSF1.50	1230.00	1229.86	MINPT-O-EOU
4039.02	66.91	3993.58	3972.11	94.00	OSF1.50	1360.00	1359.47	MinPt-O-ADP
4072.36	105.05	4001.51	3967.33	59.54	OSF1.50	2020.00	2015.87	MINPT-O-EOU
4095.14	131.49	4006.64	3963.64	47.59	OSF1.50	2550.00	2542.97	MinPt-O-ADP
4188.51	208.45	4048.71	3980.07	30.49	OSF1.50	4020.00	4004.92	MinPt-CiCl
4188.98	208.74	4048.99	3980.24	30.45	OSF1.50	4030.00	4014.87	MinPt-O-SF
6011.45	159.94	5903.99	5851.51	57.25	OSF1.50	12360.00	9310.34	MinPt-CiCl
6012.00	161.58	5903.44	5850.41	56.66	OSF1.50	12440.00	9312.43	MINPT-O-EOU
6012.89	162.65	5903.62	5850.24	56.30	OSF1.50	12490.00	9313.74	MinPt-O-ADP
6951.78	235.52	6793.93	6716.25	44.73	OSF1.50	15850.00	9401.70	MinPt-O-SF
9298.10	273.23	9115.12	9024.87	51.50	OSF1.50	19452.09	9495.99	TD

30-025-25140 -
CHESAPEAKE LA RICA
FEDERAL #001 Inc Only 0' to
13340' - P (Def Survey)

Pass

4696.28	32.81	4693.78	4663.47	N/A	MAS = 10.00 (m)	0.00	0.00	Surface
4695.99	32.81	4693.46	4663.18	171478.75	MAS = 10.00 (m)	30.00	30.00	MinPt-O-SF
4695.98	32.81	4693.45	4663.17	172161.93	MAS = 10.00 (m)	32.00	32.00	WRP
4695.47	32.81	4687.66	4662.66	884.71	MAS = 10.00 (m)	330.00	330.00	MinPts
4696.78	50.18	4662.50	4646.60	147.68	OSF1.50	1050.00	1050.00	MinPt-CiCl
4700.54	61.56	4658.67	4638.99	119.34	OSF1.50	1260.00	1259.80	MINPT-O-EOU
4704.52	66.48	4659.37	4638.04	110.24	OSF1.50	1350.00	1349.51	MinPt-O-ADP
4822.33	157.05	4716.80	4665.28	46.78	OSF1.50	3010.00	3000.45	MinPt-O-ADP
4898.23	212.38	4755.81	4685.84	34.99	OSF1.50	4050.00	4034.76	MinPts
4935.51	231.58	4780.30	4703.94	32.30	OSF1.50	4520.00	4502.18	MinPts
4210.73	528.45	3857.60	3682.28	12.00	OSF1.50	12300.00	9308.77	MinPt-CiCl
4211.19	529.83	3857.13	3681.36	11.97	OSF1.50	12360.00	9310.34	MINPT-O-EOU
4211.74	530.52	3857.22	3681.22	11.96	OSF1.50	12390.00	9311.12	MinPt-O-ADP
4268.88	544.06	3905.34	3724.83	11.82	OSF1.50	13000.00	9327.09	MinPt-O-SF
8299.98	577.44	7914.19	7722.54	21.65	OSF1.50	19452.09	9495.99	TD

30-025-36850 - CHISHOLM
PANAMA 13 FEDERAL #001P
Inc Only 0' to 3980' - A (Def
Survey)

Pass

4265.84	32.81	4263.34	4233.03	N/A	MAS = 10.00 (m)	0.00	0.00	Surface
4265.55	32.81	4263.02	4232.74	163075.28	MAS = 10.00 (m)	30.00	30.00	MinPt-O-SF
4265.54	32.81	4263.01	4232.73	165517.12	MAS = 10.00 (m)	32.00	32.00	WRP
4265.41	32.81	4262.88	4232.65	46921.26	MAS = 10.00 (m)	60.00	60.00	MinPts
4260.72	69.70	4213.46	4191.06	95.05	OSF1.50	1490.00	1488.78	MinPt-CiCl
4264.30	117.53	4175.11	4136.77	55.44	OSF1.50	2400.00	2393.79	MinPt-CiCl
4248.82	169.35	4135.08	4079.47	38.18	OSF1.50	3380.00	3368.43	MinPt-CiCl
4252.02	178.86	4131.95	4073.16	36.14	OSF1.50	3660.00	3646.89	MINPT-O-EOU
4250.71	204.78	4113.36	4045.93	31.50	OSF1.50	4050.00	4034.76	MinPt-CiCl
4250.71	204.79	4113.35	4045.93	31.50	OSF1.50	4060.00	4044.70	MinPts
4251.09	204.83	4113.70	4046.26	31.50	OSF1.50	4110.00	4094.43	MinPt-O-SF
5333.20	99.18	5266.24	5234.01	82.70	OSF1.50	13140.00	9330.76	MinPt-CiCl
5333.51	100.18	5265.93	5233.38	81.90	OSF1.50	13200.00	9332.33	MINPT-O-EOU
5333.93	100.63	5266.01	5233.30	81.50	OSF1.50	13230.00	9333.11	MinPt-O-ADP
6623.72	184.57	6499.84	6439.14	54.55	OSF1.50	17070.00	9433.63	MinPt-O-SF
8262.12	212.52	8119.60	8049.60	58.99	OSF1.50	19452.09	9495.99	TD

30-025-36851 - CHISHOLM
PANAMA 13 FEDERAL #003
Inc Only 0' to 3938' - A (Def
Survey)

Pass

4325.15	32.81	4322.65	4292.35	N/A	MAS = 10.00 (m)	0.00	0.00	Surface
4324.85	32.81	4322.32	4292.04	150418.63	MAS = 10.00 (m)	30.00	30.00	MinPt-O-SF

...Stetson 13-24 1BS Fed Com 6H\Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20

Offset Trajectory	Separation			Allow	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
4324.83	32.81	4322.31	4292.03	151385.48		MAS = 10.00 (m)	32.00	32.00				WRP	
4323.99	37.76	4297.99	4286.24	183.86		OSF1.50	750.00	750.00				MinPt-CtCt	
4370.38	177.60	4251.14	4192.78	37.42		OSF1.50	3510.00	3497.71				MINPT-O-EQU	
4386.30	205.97	4248.15	4180.32	32.32		OSF1.50	4020.00	4004.92				MINPT-O-EQU	
4386.56	206.31	4248.19	4180.25	32.27		OSF1.50	4030.00	4014.87				MinPts	
6608.71	136.46	6516.90	6472.24	73.97		OSF1.50	9600.00	9238.09				MinPt-O-SF	
5574.67	130.58	5486.79	5444.09	65.28		OSF1.50	13150.00	9331.02				MinPt-CtCt	
5575.00	131.57	5486.46	5443.43	64.76		OSF1.50	13210.00	9332.59				MINPT-O-EQU	
5575.41	132.07	5486.52	5443.33	64.51		OSF1.50	13240.00	9333.37				MinPt-O-SF	
6566.75	198.81	6433.37	6367.94	50.16		OSF1.50	16620.00	9421.85				TD	
8414.34	229.49	8260.52	8184.86	55.59		OSF1.50	19452.09	9495.99					

30-025-36350 - CHISHOLM
LA RICA FEDERAL #002 Inc
Only 0' to 4500' - P (Def
Survey)

Pass

4727.21	32.81	4724.71	4694.41	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
4726.90	32.81	4724.37	4694.05	162885.17		MAS = 10.00 (m)	32.00	32.00				MinPt-O-SF	
4725.00	35.29	4700.64	4689.71	216.02		OSF1.50	710.00	710.00				MinPt-CtCt	
4729.14	54.50	4691.98	4674.64	136.35		OSF1.50	1130.00	1129.97				MINPT-O-EQU	
4731.85	58.83	4691.80	4673.02	125.93		OSF1.50	1210.00	1209.89				MINPT-O-EQU	
4739.14	67.71	4693.16	4671.43	108.96		OSF1.50	1370.00	1369.42				MinPt-O-ADP	
4740.78	69.32	4693.73	4671.45	106.37		OSF1.50	1400.00	1399.27				MinPt-O-ADP	
4793.27	132.68	4703.96	4660.58	55.20		OSF1.50	2530.00	2523.08				MINPT-O-EQU	
4815.63	159.45	4708.50	4656.18	46.00		OSF1.50	3100.00	3089.96				MinPt-O-ADP	
4888.57	235.88	4730.47	4652.67	31.40		OSF1.50	4500.00	4482.29				MINPT-O-EQU	
4888.92	236.24	4730.59	4652.67	31.36		OSF1.50	4510.00	4492.24				MinPt-O-ADP	
4889.28	236.26	4730.94	4653.02	31.36		OSF1.50	4520.00	4502.18				MinPt-O-SF	
5595.62	203.42	5459.17	5392.20	41.76		OSF1.50	13160.00	9331.28				MinPt-CtCt	
5596.20	205.28	5458.57	5391.00	41.39		OSF1.50	13240.00	9333.37				MINPT-O-EQU	
5597.15	206.33	5458.76	5390.82	41.17		OSF1.50	13290.00	9334.68				MinPt-O-ADP	
6213.33	263.74	6036.67	5949.59	35.66		OSF1.50	15860.00	9401.96				MinPt-O-SF	
8420.92	302.56	8218.38	8118.36	42.08		OSF1.50	19452.09	9495.99				TD	

30-025-36874 - CHISHOLM
PANAMA 13 FEDERAL #004
Inc Only 0' to 3963' - A (Def
Survey)

Pass

5358.25	32.81	5355.75	5325.44	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
5357.93	32.81	5355.40	5325.12	169907.83		MAS = 10.00 (m)	32.00	32.00				MinPt-O-SF	
5353.39	47.31	5321.02	5306.09	179.13		OSF1.50	910.00	910.00				MinPt-CtCt	
5355.72	57.36	5316.65	5298.36	146.37		OSF1.50	1140.00	1139.97				MINPT-O-EQU	
5358.15	60.28	5317.13	5297.87	139.05		OSF1.50	1210.00	1209.89				MinPt-O-ADP	
5415.60	104.94	5344.81	5310.68	79.27		OSF1.50	2040.00	2035.76				MinPt-O-ADP	
5554.08	210.12	5413.17	5343.95	40.11		OSF1.50	3990.00	3975.08				MinPt-O-ADP	
5554.64	210.17	5413.69	5344.47	40.10		OSF1.50	4000.00	3985.03				MinPt-O-SF	
6717.51	223.75	6567.51	6493.76	45.52		OSF1.50	13160.00	9331.28				MinPt-CtCt	
6718.66	227.18	6566.39	6491.50	44.84		OSF1.50	13280.00	9334.42				MINPT-O-EQU	
6720.31	229.15	6566.71	6491.16	44.46		OSF1.50	13350.00	9336.25				MinPt-O-ADP	
7526.23	309.17	7319.29	7217.07	36.80		OSF1.50	16550.00	9420.02				MinPt-O-SF	
9206.83	344.49	8976.34	8862.34	40.37		OSF1.50	19452.09	9495.99				TD	

30-025-23716 - PRE-
ONGARD WELL #001 Inc
Only 0' to 4870' - P (Def
Survey)

Pass

10411.44	32.81	10408.94	10378.63	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
10411.16	32.81	10408.63	10378.36	321703.38		MAS = 10.00 (m)	32.00	32.00				WRP	
10410.61	32.81	10396.72	10377.81	913.25		MAS = 10.00 (m)	480.00	480.00				MinPts	
10446.68	114.36	10369.61	10332.32	140.05		OSF1.50	2270.00	2264.50				MINPT-O-EQU	
10497.84	174.40	10380.74	10323.44	91.58		OSF1.50	3540.00	3527.55				MinPt-O-ADP	
10510.79	199.91	10376.68	10310.88	79.85		OSF1.50	3810.00	3796.07				MINPT-O-EQU	
10515.79	205.44	10377.98	10310.35	77.71		OSF1.50	3980.00	3965.14				MinPt-O-ADP	
10517.80	207.50	10378.64	10310.31	76.94		OSF1.50	4040.00	4024.81				MinPt-O-ADP	
10540.61	238.78	10380.59	10301.83	66.90		OSF1.50	4560.00	4541.96				MINPT-O-EQU	
10544.58	243.04	10381.72	10301.54	65.74		OSF1.50	4690.00	4671.25				MinPt-O-ADP	
10563.05	256.56	10391.18	10306.50	62.35		OSF1.50	5130.00	5108.84				MinPt-O-SF	
6406.60	511.79	6064.58	5894.81	18.86		OSF1.50	18650.00	9474.99				MinPt-CtCt	
6408.46	517.37	6062.71	5891.09	18.66		OSF1.50	18800.00	9478.92				MINPT-O-EQU	
6410.88	520.26	6063.21	5890.62	18.57		OSF1.50	18880.00	9481.01				MinPt-O-ADP	
6457.15	539.08	6096.93	5918.07	18.04		OSF1.50	19452.09	9495.99				MinPt-O-SF	

30-025-24384 - PRE-
ONGARD WELL #001 Inc
Only 0' to 3509' - P (Def
Survey)

Pass

7199.62	32.81	7197.12	7166.82	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
7199.32	32.81	7196.79	7166.51	218638.69		MAS = 10.00 (m)	32.00	32.00				WRP	
7198.26	32.81	7180.00	7165.45	456.64		MAS = 10.00 (m)	560.00	560.00				MinPts	
7226.16	114.34	7149.10	7111.82	96.89		OSF1.50	2260.00	2254.56				MINPT-O-EQU	
7238.81	129.63	7151.55	7109.18	85.38		OSF1.50	2630.00	2622.53				MinPt-O-ADP	
7267.53	181.01	7146.02	7086.52	61.05		OSF1.50	3450.00	3438.04				MINPT-O-EQU	
7269.25	183.10	7146.34	7086.14	60.35		OSF1.50	3540.00	3527.55				MinPt-O-ADP	
7273.31	183.39	7150.21	7089.91	60.29		OSF1.50	3670.00	3656.84				MinPt-O-SF	
6498.05	251.91	6329.27	6246.14	39.07		OSF1.50	15770.00	9399.60				MinPt-CtCt	
6498.90	254.71	6328.27	6244.20	38.64		OSF1.50	15880.00	9402.48				MINPT-O-EQU	
6500.16	256.22	6328.51	6243.94	38.41		OSF1.50	15940.00	9404.05				MinPt-O-ADP	
6929.05	302.42	6726.60	6626.62	34.64		OSF1.50	18180.00	9462.69				MinPt-O-SF	
7466.61	317.53	7254.09	7149.08	35.54		OSF1.50	19452.09	9495.99				TD	

...Stetson 13-24 1BS Fed Com 6H\Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20



Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20 Anti-Collision Summary Report

Analysis Date-24hr Time: June 01, 2020 - 17:11

Client: Chisholm
Field: NM Lea County (NAD 83)
Structure: Chisholm Stetson 13-24 1BS Fed Com 6H
Slot: New Slot
Well: Stetson 13-24 1BS Fed Com 6H
Borehole: Stetson 13-24 1BS Fed Com 6H
Scan MD Range: 0.00ft ~ 19452.09ft

Analysis Method: Normal Plane
Reference Trajectory: Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20 (Def Plan)
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: NAL Procedure: D&M AntiCollision Standard S002
Min Pts: All local minima indicated.
Version / Patch: 2.10.811.0
Database \ Project: localhost\drilling-project1

Trajectory Error Model: ISCSA0 3-D 95.000% Confidence 2.7955 sigma

Offset Trajectories Summary

Offset Selection Criteria

Wellhead distance scan: Restricted within 60462.59 ft
Selection filters:
- All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory			Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)		Alert	Minor	Major		

Results highlighted: Sep-Factor separation <= 1.50 ft

30-025-34676 - CHISHOLM
SAGEBRUSH 24 FEDERAL
#001 Inc Only 0' to 12648' - A
(Def Survey)

Fail Minor

5913.78	32.81	5911.21	5880.98	80137.40	MAS = 10.00 (m)	65.20	65.20						MinPts	
5907.85	102.67	5838.57	5805.18	88.44	OSF1.50	2136.55	2131.79						MinPt-CtCt	
5902.88	195.20	5771.91	5707.68	45.93	OSF1.50	3896.34	3881.94						MinPt-CtCt	
5916.13	285.27	5725.11	5630.85	31.37	OSF1.50	5577.34	5553.73						MinPt-CtCt	
5923.64	380.70	5669.01	5542.94	23.48	OSF1.50	7387.10	7353.58						MinPt-CtCt	
5933.04	450.59	5631.81	5482.45	19.85	OSF1.50	8708.55	8667.80						MinPt-CtCt	
5933.04	450.61	5631.81	5482.44	19.85	OSF1.50	8711.66	8670.88						MinPts	
1119.80	338.69	893.17	781.10	4.99	OSF1.50	14924.07	9377.46	OSF<5.00					Enter Alert	
622.70	622.90	206.60	-0.20	1.50	OSF1.50	14941.97	9377.93		OSF<1.50				Enter Minor	
622.62	623.55	206.09	-0.93	1.50	OSF1.50	14942.48	9377.94						MinPt-CtCt	
622.72	624.05	205.85	-1.33	1.50	OSF1.50	14942.96	9377.95						MINPT-O-EQU	
622.99	624.40	205.89	-1.41	1.50	OSF1.50	14943.44	9377.97						MinPts	
624.04	624.63	206.78	-0.60	1.50	OSF1.50	14944.32	9377.99			OSF>1.50			Exit Minor	
1209.80	368.28	963.44	841.52	4.95	OSF1.50	14970.26	9378.67	OSF>5.00					Exit Alert	
3391.04	199.09	3257.48	3191.95	25.85	OSF1.50	15029.25	9380.21						TD	

30-025-38388 - CIMAREX
AFTON 24 FEDERAL COM
#001 Inc Only 0' to 13504' - A
(Def Survey)

Fail Minor

9826.20	32.81	9823.57	9793.39	74687.00	MAS = 10.00 (m)	91.20	91.20						MinPts	
9819.07	128.55	9732.53	9690.51	116.82	OSF1.50	2638.64	2631.12						MinPt-CtCt	
9826.34	149.15	9726.05	9677.15	100.46	OSF1.50	3026.61	3016.97						MINPT-O-EQU	
9831.46	190.98	9703.30	9640.48	78.22	OSF1.50	3821.71	3807.72						MinPt-CtCt	
9834.74	268.19	9655.12	9566.56	55.51	OSF1.50	5283.58	5261.58						MinPt-CtCt	
9835.47	363.05	9592.60	9472.42	40.91	OSF1.50	7093.16	7061.25						MinPt-CtCt	
9846.02	448.39	9546.26	9397.63	33.11	OSF1.50	8704.23	8663.49						MinPt-CtCt	
9846.02	448.40	9546.25	9397.62	33.11	OSF1.50	8711.80	8671.02						MinPts	
1488.88	449.33	1188.49	1039.54	4.99	OSF1.50	18828.63	9479.67	OSF<5.00					Enter Alert	
803.71	806.13	265.46	-2.41	1.50	OSF1.50	18850.28	9480.24		OSF<1.50				Enter Minor	
795.32	818.03	249.14	-22.70	1.46	OSF1.50	18853.50	9480.32						MinPt-CtCt	
795.45	818.26	249.11	-22.80	1.46	OSF1.50	18853.78	9480.33						MinPts	
808.64	810.58	267.42	-1.94	1.50	OSF1.50	18857.69	9480.43			OSF>1.50			Exit Minor	
1583.99	478.98	1263.83	1105.01	4.98	OSF1.50	18888.97	9481.25	OSF>5.00					Exit Alert	
4189.14	288.62	3995.90	3900.52	21.95	OSF1.50	18964.29	9483.22						TD	

Chisholm Stetson 13-24 1BS
Fed Com 5H Rev0 CVS
29May20 (Def Plan)

Warning Alert

29.95	24.46	27.45	5.49	N/A	MAS = 7.46 (m)	0.10	0.10	CtCt<=15m<15.00					Enter Alert	
29.95	24.46	21.64	5.49	4.73	MAS = 7.46 (m)	990.10	990.10						MinPts	
30.00	24.46	21.54	5.54	4.61	MAS = 7.46 (m)	1019.94	1019.94						MINPT-O-EQU	
30.78	24.46	22.04	6.34	4.53	MAS = 7.46 (m)	1079.47	1079.46						MinPt-O-SF	
48.67	24.46	38.75	24.21	6.23	MAS = 7.46 (m)	1375.92	1375.32	CtCt<=15m>15.00					Exit Alert	
134.13	24.46	122.19	109.67	13.98	MAS = 7.46 (m)	1989.39	1985.44						MinPt-O-SF	
1268.61	67.29	1222.92	1201.32	29.31	OSF1.50	8584.21	8544.13						MinPt-O-SF	
1349.66	407.49	1077.17	942.17	4.99	OSF1.50	13271.59	9334.20	OSF<5.00					Enter Alert	
1349.78	989.05	689.58	360.73	2.05	OSF1.50	19451.43	9495.97						MinPts	

30-025-35192 - CHISHOLM
PANAMA 13 FEDERAL #002
Inc Only 0' to 9900' - A (Def
Survey)

Warning Alert

3607.35	32.81	3604.80	3574.54	69934.41	MAS = 10.00 (m)	55.20	55.20						MinPts	
3608.41	50.85	3573.68	3557.56	111.88	OSF1.50	1103.43	1103.42						MinPt-CtCt	
3596.12	197.16	3463.85	3398.96	27.69	OSF1.50	3911.95	3897.46						MinPt-CtCt	
3595.94	308.79	3399.25	3287.15	17.60	OSF1.50	6020.17	5994.14						MinPt-CtCt	
3624.85	451.75	3322.84	3173.10	12.10	OSF1.50	8712.32	8671.54						MinPts	
3624.07	448.26	3324.40	3175.81	12.19	OSF1.50	8725.71	8684.85						MinPt-CtCt	
1003.13	303.63	799.87	699.50	4.98	OSF1.50	12601.58	9316.66	OSF<5.00					Enter Alert	
615.03	537.11	256.12	77.92	1.72	OSF1.50	12618.15	9317.10						MinPts	
614.81	536.85	256.07	77.96	1.72	OSF1.50	12618.17	9317.10						MINPT-O-EQU	
614.75	536.46	256.27	78.28	1.72	OSF1.50	12618.21	9317.10						MinPt-CtCt	
874.90	398.69	608.27	476.21	3.30	OSF1.50	12635.38	9317.55						TD	

Chisholm Stetson 13-24 1BS
Fed Com 4H Rev0 CVS
07May20 (Def Plan)

Warning Alert

2689.70	981.29	2034.68	1708.41	4.12	OSF1.50	19448.43	9495.89	OSF<5.00					Enter Alert	
2689.71	981.64	2034.45	1708.07	4.12	OSF1.50	19452.09	9495.99	OSF>5.00					Exit Alert	

...Stetson 13-24 1BS Fed Com 6H\Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20

Drilling Office 2.10.811.0

Schlumberger-Private

Page 1 of 3

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
2635.77	32.81	2633.27	2602.96	N/A		MAS = 10.00 (m)	32.00	32.00				WRP	
2635.77	32.81	2627.49	2602.96	455.45		MAS = 10.00 (m)		992.00				MinPts	
2635.81	32.81	2627.38	2603.00	444.68		MAS = 10.00 (m)	1013.04	1013.04				MINPT-O-EQU	
2675.00	79.05	2621.46	2595.95	52.38		OSF1.50	8916.08	8869.59				MinPt-CtCt	
2675.11	79.29	2621.41	2595.82	52.21		OSF1.50	8934.60	8886.68				MINPT-O-EQU	
2675.22	79.41	2621.44	2595.81	52.13		OSF1.50	8944.02	8895.29				MinPt-O-ADP	
2688.84	808.84	2148.78	1880.00	5.00		OSF1.50	17618.50	9447.99	OSF<5.00			Enter Alert	
2689.70	980.36	2035.30	1709.35	4.12		OSF1.50	19438.43	9495.63				MinPts	
Chisholm Buffalo 12-1 Fed Com 2BS 1H MWD 0' to 19930' - Definitive (Def Survey)													Pass
2644.87	32.81	2641.23	2612.06	2322.19		MAS = 10.00 (m)	298.29	298.29				MinPts	
2646.52	32.81	2640.52	2613.71	755.32		MAS = 10.00 (m)	838.28	838.28				MINPT-O-EQU	
2646.57	32.81	2640.52	2613.76	745.26		MAS = 10.00 (m)	848.28	848.28				MINPT-O-EQU	
2659.45	32.81	2652.20	2626.64	559.40		MAS = 10.00 (m)	1194.03	1193.94				MinPt-O-SF	
2665.01	32.81	2657.73	2632.20	557.14		MAS = 10.00 (m)	1242.94	1242.77				MinPt-O-SF	
3379.51	58.67	3339.56	3320.84	90.17		OSF1.50	8712.98	8672.19				MinPt-O-SF	
3468.05	59.32	3427.67	3408.73	91.49		OSF1.50	8953.95	8904.30				TD	
4916.08	160.13	4808.49	4755.95	46.76		OSF1.50	8788.17	8746.71				MinPt-O-SF	
3469.43	59.46	3428.95	3409.95	91.30		OSF1.50	8953.92	8904.27				MinPts	
Chisholm Stetson 13-24 1BS Fed Com 2H Rev0 CVS 07May20 (Def Plan)													Pass
4041.18	979.22	3387.53	3061.96	6.20		OSF1.50	19445.79	9495.83				MinPt-CtCt	
4041.18	979.81	3387.14	3061.37	6.20		OSF1.50	19452.09	9495.99				TD	
2665.69	32.81	2657.41	2632.88	460.55		MAS = 10.00 (m)	992.30	992.30				MinPts	
2665.73	32.81	2657.30	2632.92	449.72		MAS = 10.00 (m)	1013.16	1013.16				MINPT-O-EQU	
3749.47	60.80	3708.10	3688.67	96.41		OSF1.50	6621.72	6592.39				MinPt-O-SF	
3941.17	71.31	3892.79	3869.88	85.86		OSF1.50	8310.27	8271.70				MinPt-O-SF	
3988.01	71.18	3939.72	3916.83	87.04		OSF1.50	8695.04	8654.36				MinPt-O-SF	
4036.59	84.39	3979.50	3952.21	73.90		OSF1.50	9597.61	9238.03				MinPt-CtCt	
4041.17	978.28	3388.15	3062.89	6.21		OSF1.50	19435.80	9495.56				MinPts	
Chisholm Buffalo 12-1 Fed Com WCC 6H ST02 0ft to 18055ft Definitive (Def Survey)													Pass
2750.90	32.81	2746.24	2718.09	1272.01		MAS = 10.00 (m)	501.90	501.90				MinPts	
2751.19	32.81	2745.98	2718.38	1016.79		MAS = 10.00 (m)	651.89	651.89				MINPT-O-EQU	
2813.14	32.81	2804.75	2780.33	476.84		MAS = 10.00 (m)	1386.74	1386.08				MinPt-O-SF	
2853.25	32.81	2844.44	2820.45	451.85		MAS = 10.00 (m)	1660.09	1657.94				MinPt-O-SF	
3510.71	56.90	3471.94	3453.81	96.74		OSF1.50	8771.69	8730.45				MinPt-O-SF	
6515.08	172.81	6399.03	6342.26	57.36		OSF1.50	8972.27	8920.72				MinPt-O-SF	
4197.18	57.02	4158.34	4140.16	115.42		OSF1.50	9403.61	9201.36				MinPts	
Chisholm Buffalo 12-1 Fed Com WCC 6H ST01 0ft to 13804ft Definitive (Def Survey)													Pass
2750.90	32.81	2746.24	2718.09	1272.01		MAS = 10.00 (m)	501.90	501.90				MinPts	
2751.19	32.81	2745.98	2718.38	1016.79		MAS = 10.00 (m)	651.89	651.89				MINPT-O-EQU	
2813.14	32.81	2804.75	2780.33	476.84		MAS = 10.00 (m)	1386.74	1386.08				MinPt-O-SF	
2853.25	32.81	2844.44	2820.45	451.85		MAS = 10.00 (m)	1660.09	1657.94				MinPt-O-SF	
3510.71	56.90	3471.94	3453.81	96.74		OSF1.50	8771.69	8730.45				MinPt-O-SF	
4197.18	57.02	4158.34	4140.16	115.42		OSF1.50	9403.61	9201.36				MinPts	
Chisholm Buffalo 12-1 Fed Com WCC 6H 0ft to 12311ft Definitive (Def Survey)													Pass
2750.90	32.81	2746.24	2718.09	1272.01		MAS = 10.00 (m)	501.90	501.90				MinPts	
2751.19	32.81	2745.98	2718.38	1016.79		MAS = 10.00 (m)	651.89	651.89				MINPT-O-EQU	
2813.14	32.81	2804.75	2780.33	476.84		MAS = 10.00 (m)	1386.74	1386.08				MinPt-O-SF	
2853.25	32.81	2844.44	2820.45	451.85		MAS = 10.00 (m)	1660.09	1657.94				MinPt-O-SF	
3510.71	56.90	3471.94	3453.81	96.74		OSF1.50	8771.69	8730.45				MinPt-O-SF	
4750.09	54.96	4712.62	4695.13	135.75		OSF1.50	9478.67	9223.07				TD	
30-025-24343 - PRE- ONGARD WELL #001 Blind 0' to 340' - P (Def Survey)													Pass
9363.55	58.94	9323.43	9304.62	248.81		OSF1.50	10743.59	9268.03				MinPts	
30-025-34484 - CIMAREX ESMERALDA 24 FEDERAL #001 Inc Only 0' to 13216 - A (Def Survey)													Pass
9112.30	32.81	9103.13	9079.50	1365.46		MAS = 10.00 (m)	386.19	386.19				MinPts	
9117.94	67.59	9072.05	9050.35	210.05		OSF1.50	1290.42	1290.14				MinPt-CtCt	
9131.44	100.97	9063.29	9030.47	139.07		OSF1.50	1902.17	1898.69				MINPT-O-EQU	
9151.98	156.22	9047.01	8995.77	89.28		OSF1.50	2905.00	2896.02				MinPt-CtCt	
9152.89	159.76	9045.59	8993.19	87.31		OSF1.50	2984.85	2975.44				MINPT-O-EQU	
9153.59	160.54	9045.73	8993.05	86.86		OSF1.50	3004.79	2995.27				MinPt-O-ADP	
9167.50	185.02	9043.33	8982.49	75.32		OSF1.50	3461.56	3449.54				MinPt-CtCt	
9173.12	203.06	9036.89	8970.03	68.58		OSF1.50	3830.25	3816.21				MINPT-O-EQU	
9266.30	404.08	8996.08	8862.22	34.60		OSF1.50	7629.83	7594.98				MINPT-O-EQU	
9296.60	458.04	8990.40	8838.56	30.60		OSF1.50	8653.93	8613.47				MINPT-O-EQU	
9298.57	460.56	8990.69	8838.01	30.44		OSF1.50	8711.89	8671.12				MinPts	
9297.06	458.68	8990.45	8838.39	30.56		OSF1.50	8714.71	8673.92				MINPT-O-EQU	
9295.84	453.76	8992.50	8842.09	30.89		OSF1.50	8721.77	8680.94				MinPt-CtCt	
2915.91	768.97	2402.42	2146.93	5.70		OSF1.50	17893.05	9455.18				MinPt-CtCt	
2916.29	770.14	2402.03	2146.15	5.69		OSF1.50	17894.51	9455.22				MINPT-O-EQU	
2916.75	770.67	2402.13	2146.07	5.69		OSF1.50	17895.29	9455.24				MinPt-O-ADP	
2921.00	772.65	2405.06	2148.34	5.68		OSF1.50	17899.17	9455.34				MinPt-O-SF	
4829.08	576.70	4443.79	4252.39	12.61		OSF1.50	18001.05	9458.01				TD	
30-025-36352 - COG LA RICA FEDERAL #004 Inc Only 0' to 3964' - A (Def Survey)													Pass
3674.60	34.70	3650.64	3639.90	171.07		OSF1.50	676.16	676.16				MinPt-CtCt	
3707.49	145.20	3609.86	3562.29	38.95		OSF1.50	2746.17	2738.06				MINPT-O-EQU	
5533.13	114.45	5456.00	5418.69	74.11		OSF1.50	12489.61	9313.73				MinPts	

...Stetson 13-24 1BS Fed Com 6H|Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
30-025-36351 - COG LA RICA FEDERAL #003 Inc Only 0' to 3995' - P (Def Survey)													
	4028.93	36.17	4003.98	3992.76	179.37								Pass
	4035.85	67.23	3990.19	3968.61	93.46	OSF1.50	750.20	750.20				MinPt-CtCt	
	4044.37	77.44	3991.91	3966.93	80.90	OSF1.50	1230.08	1229.94				MINPT-O-EQU	
	4094.41	135.23	4003.42	3959.18	46.24	OSF1.50	1360.76	1360.22				MinPt-O-ADP	
	6011.45	159.91	5904.01	5851.54	57.26	OSF1.50	2434.16	2427.77				MinPt-O-ADP	
							12358.63	9310.30				MinPts	
30-025-25140 - CHESAPEAKE LA RICA FEDERAL #001 Inc Only 0' to 13340' - P (Def Survey)													
	4695.47	32.81	4687.71	4662.66	893.20	MAS = 10.00 (m)	330.20	330.20					Pass
	4696.78	50.38	4662.36	4646.41	147.07	OSF1.50	1053.62	1053.62				MinPts	
	4703.07	69.73	4655.75	4633.34	104.87	OSF1.50	1251.53	1251.35				MinPt-CtCt	
	4708.92	76.69	4656.96	4632.23	95.16	OSF1.50	1251.53	1251.35				MINPT-O-EQU	
	4816.58	156.99	4711.09	4659.53	46.74	OSF1.50	1320.86	1320.49				MinPt-O-ADP	
	4892.83	212.74	4750.17	4680.09	34.89	OSF1.50	2773.93	2765.68				MinPt-O-ADP	
	5283.90	468.23	4970.91	4815.67	17.01	OSF1.50	3818.63	3804.66				MinPt-O-ADP	
	5270.65	458.67	4964.04	4811.98	17.32	OSF1.50	8713.60	8672.82				MinPt-O-SF	
	5268.65	456.18	4963.68	4812.45	17.41	OSF1.50	8764.83	8723.67				MinPt-O-ADP	
	5266.70	449.95	4965.90	4816.75	17.65	OSF1.50	8776.42	8735.12				MINPT-O-EQU	
	4210.73	528.47	3857.58	3682.26	12.00	OSF1.50	12297.65	9308.71				MinPt-CtCt	
	4212.64	534.55	3855.44	3678.08	11.87	OSF1.50	8804.03	8762.29				MinPt-CtCt	
	4215.21	537.65	3855.94	3677.56	11.81	OSF1.50	12297.65	9308.71				MINPT-O-EQU	
	4282.31	557.63	3909.73	3724.68	11.56	OSF1.50	12300.45	9308.82				MinPt-O-ADP	
	5864.97	527.93	5512.18	5337.04	16.74	OSF1.50	12320.94	9309.32				MinPt-O-SF	
							12396.20	9311.29				TD	
30-025-36850 - CHISHOLM PANAMA 13 FEDERAL #001P Inc Only 0' to 3980' - A (Def Survey)													
	4265.47	32.81	4262.92	4232.66	79284.52	MAS = 10.00 (m)	56.20	56.20					Pass
	4260.76	69.62	4213.52	4191.14	95.16	OSF1.50	1487.80	1486.59				MinPts	
	4254.30	117.67	4175.02	4136.63	55.38	OSF1.50	1487.80	1486.59				MinPt-CtCt	
	4248.82	169.25	4135.15	4079.57	38.20	OSF1.50	2402.72	2396.50				MinPt-CtCt	
	5333.20	99.21	5266.22	5233.99	82.68	OSF1.50	3376.89	3365.33				MinPt-CtCt	
							13141.81	9330.80				MinPts	
30-025-36851 - CHISHOLM PANAMA 13 FEDERAL #003 Inc Only 0' to 3938' - A (Def Survey)													
	4323.99	37.72	4298.01	4286.27	184.04	OSF1.50	749.17	749.17					Pass
	4384.93	206.10	4246.70	4178.84	32.29	OSF1.50	3910.49	3896.01				MinPt-CtCt	
	5574.67	130.57	5486.79	5444.10	65.27	OSF1.50	13149.37	9331.00				MinPts	
	5591.83	130.20	5504.19	5461.63	65.68	OSF1.50	13149.37	9331.00				TD	
							13148.90	9330.99				MinPts	
30-025-36350 - CHISHOLM LA RICA FEDERAL #002 Inc Only 0' to 4500' - P (Def Survey)													
	4725.00	34.90	4700.90	4690.10	218.66	OSF1.50	702.18	702.18					Pass
	4733.78	66.30	4688.75	4667.48	111.23	OSF1.50	1186.01	1185.93				MinPt-CtCt	
	4744.01	78.55	4690.81	4665.46	93.52	OSF1.50	1186.01	1185.93				MINPT-O-EQU	
	4822.22	171.08	4707.33	4651.14	42.89	OSF1.50	1349.89	1349.40				MinPt-O-ADP	
	5595.62	203.40	5459.18	5392.22	41.76	OSF1.50	3122.81	3112.64				MinPt-O-ADP	
							13159.16	9331.26				MinPts	
30-025-36874 - CHISHOLM PANAMA 13 FEDERAL #004 Inc Only 0' to 3963' - A (Def Survey)													
	5353.39	47.29	5321.03	5306.10	179.19	OSF1.50	909.15	909.15					Pass
	5357.97	64.23	5314.32	5293.74	130.13	OSF1.50	909.15	909.15				MinPt-CtCt	
	5362.10	69.07	5315.22	5293.03	120.77	OSF1.50	1136.16	1136.13				MINPT-O-EQU	
	5545.56	209.35	5405.16	5336.21	40.20	OSF1.50	1196.14	1196.06				MinPt-O-ADP	
	6717.51	223.64	6567.59	6493.87	45.55	OSF1.50	3682.53	3669.30				MinPt-O-SF	
	6727.77	223.12	6578.20	6504.66	45.73	OSF1.50	13156.01	9331.18				TD	
							13155.83	9331.17				MinPts	
30-025-23716 - PRE- ONGARD WELL #001 Inc Only 0' to 4870' - P (Def Survey)													
	10410.61	32.81	10396.83	10377.81	922.68	MAS = 10.00 (m)	476.20	476.20					Pass
	10447.69	124.53	10363.84	10323.16	128.40	OSF1.50	2119.82	2115.14				MinPts	
	10512.41	208.37	10372.66	10304.04	76.58	OSF1.50	3701.42	3688.09				MINPT-O-EQU	
	10527.09	226.10	10375.52	10300.99	70.60	OSF1.50	3701.42	3688.09				MINPT-O-EQU	
	10540.41	244.84	10376.35	10295.57	65.23	OSF1.50	4024.81	4009.71				MinPt-O-ADP	
	10549.07	255.69	10377.78	10293.39	62.48	OSF1.50	4387.72	4370.62				MINPT-O-EQU	
	6406.60	511.62	6064.68	5894.98	18.87	OSF1.50	4586.73	4568.55				MinPts	
							18645.70	9474.88				MinPts	
30-025-24384 - PRE- ONGARD WELL #001 Inc Only 0' to 3509' - P (Def Survey)													
	7198.26	32.81	7180.21	7165.45	462.78	MAS = 10.00 (m)	554.18	554.18					Pass
	7229.01	123.86	7145.60	7105.15	89.32	OSF1.50	2235.94	2230.63				MinPts	
	6498.05	252.02	6329.20	6246.02	39.05	OSF1.50	2235.94	2230.63				MINPT-O-EQU	
	6515.23	251.45	6346.76	6263.78	39.24	OSF1.50	15774.36	9399.72				TD	
							15773.92	9399.71				MinPts	

...Stetson 13-24 1BS Fed Com 6H\Chisholm Stetson 13-24 1BS Fed Com 6H Rev0 CVS 29May20

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

CONDITIONS

Action 154419

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 154419
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	10/28/2022