

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address MORNINGSTAR OPERATING LLC 400 W 7TH ST, FORT WORTH, TX 76102		² OGRID Number 330132	
		³ Reason for Filing Code/ Effective Date RT (PRE-TEST) / 10/17/2022	
⁴ API Number 30 - 0 39-27588	⁵ Pool Name BASIN FRUITLAND COAL		⁶ Pool Code 71629
⁷ Property Code 329025	⁸ Property Name CARRACAS 25A		⁹ Well Number 4

II. 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
N	25	32N	5W		870	N	1510	W	RIO ARRIBA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	32N	5W		1510	N	673	W	RIO ARRIBA
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
37388	HARVEST FOUR CORNERS, LLC 1111 TRAVIS ST, HOUSTON, TX 77002	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
	10/17/2022	UPPER:6664 MD, 3835 TVD LOWER: 5335 MD, 3873 TVD	UPPER:6630 MD,3835 TVD LOWER:5298 MD,3873 TVD	UPPER:4236-6624 MD LOWER: 4329-5254 MD	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4	9 5/8	251'	110 SX CLASS G		
8 3/4	7	4314' MD	600 SX TOTAL, CLASS G		
6 1/4 UPPER LATERAL 6 1/4 LOWER LATERAL	4 1/2" LINERS	BOTTOM 6630' MD, 3835' TVD; TOP 4187 MD BOTTOM 5298' MD, 3873' TVD; TOP 4287 MD	NO CEMENT		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Connie Blaylock</i>			OIL CONSERVATION DIVISION		
Printed name: CONNIE BLAYLOCK			Approved by: John Garcia		
Title: REGULATORY ANALYST			Title: Engineer		
E-mail Address: cblaylock@mspartners.com			Approval Date: 10/24/2022		
Date: 10/17/2022		Phone: 817-334-7882			

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II

811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III

1000 Rio Brazos Rd., Aztec, N.M. 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

Form C-102
Revised August 1, 2011

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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-27588	² Pool Code 71629	³ Pool Name BASIN FRIUTLAND COAL
⁴ Property Code 329025	⁵ Property Name CARRACAS 25A	⁶ Well Number 14-1ST
⁷ GRID No. 330132	⁸ Operator Name MORNINGSTAR OPERATING LLC	⁹ Elevation 7163'

¹⁰ Surface Location

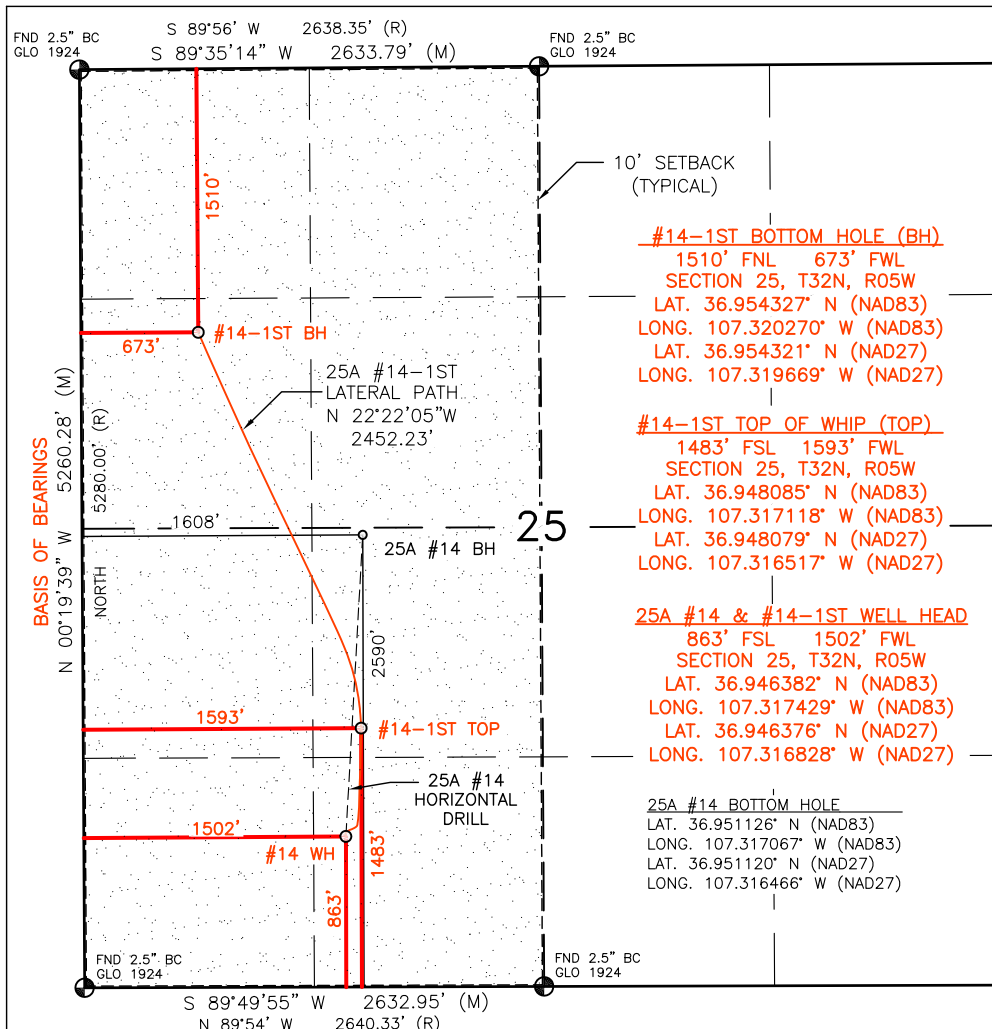
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	25	32N	5W		863'	SOUTH	1502'	WEST	RIO ARriba

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
E	25	32N	5W		1510'	NORTH	673'	WEST	RIO ARriba
¹² Dedicated Acres W/2 SEC. 25 320.00 ACRES			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-13119		

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

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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.

Connie Blaylock 10/17/22
Signature Date

Connie Blaylock
Printed Name

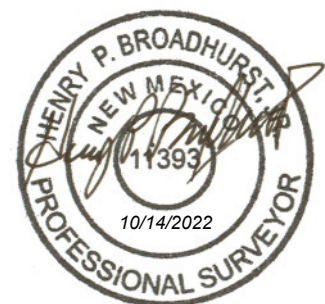
cblaylock@mspartners.com
E-mail Address

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.

OCTOBER 13, 2022

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393



MorningStar Partners

Rio Arriba County, NM (NAD 27 - True North)

Carracas 25A 14

Carracas 25A 14

ST01

Design: ST01

Standard Survey Report

04 October, 2022

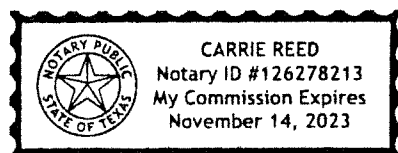
This survey is correct to the best of my knowledge and is supported by actual field data.

Cameron Stevens

Notarized this date 4th of October, 2022.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Survey Report

Company:	MorningStar Partners	Local Co-ordinate Reference:	Well Carracas 25A 14
Project:	Rio Arriba County, NM (NAD 27 - True North)	TVD Reference:	GL: 7163' + 16' KB @ 7179.00usft (Drake #3)
Site:	Carracas 25A 14	MD Reference:	GL: 7163' + 16' KB @ 7179.00usft (Drake #3)
Well:	Carracas 25A 14	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM5000

Project	Rio Arriba County, NM (NAD 27 - True North)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site	Carracas 25A 14		
Site Position:		Northing:	2,164,156.31 usft
From:	Lat/Long	Easting:	650,933.85 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	36.946376
		Longitude:	-107.316828

Well	Carracas 25A 14		
Well Position	+N/-S	0.00 usft	Northing: 2,164,156.31 usft
	+E/-W	0.00 usft	Easting: 650,933.85 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.31 °	Ground Level:	7,163.00 usft

Wellbore	ST01		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	9/27/2022	8.57
			Dip Angle (°)
			63.40
			Field Strength (nT)
			49,633.71246412

Design	ST01		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	4,187.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			338.78

Survey Program	Date	10/4/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
98.00	4,187.00	Energen Resources MWD Surveys (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM
4,220.00	6,664.00	Legacy MWD (ST01)	MWD+IGRF	OWSG MWD + IGRF or WMM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
98.00	0.20	339.83	98.00	0.16	-0.06	0.17	0.20	0.20	0.00	
198.00	0.40	339.83	198.00	0.65	-0.24	0.69	0.20	0.20	0.00	
298.00	0.60	339.83	297.99	1.47	-0.54	1.57	0.20	0.20	0.00	
398.00	0.80	339.83	397.99	2.62	-0.96	2.79	0.20	0.20	0.00	
440.00	0.88	339.83	439.98	3.20	-1.17	3.40	0.19	0.19	0.00	
498.00	1.06	346.52	497.97	4.14	-1.45	4.38	0.37	0.31	11.53	
598.00	1.39	353.81	597.95	6.24	-1.80	6.47	0.36	0.33	7.29	
698.00	1.74	358.25	697.91	8.96	-1.98	9.07	0.37	0.35	4.44	



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Well:	Carracas 25A 14	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
798.00	2.09	1.21	797.86	12.30	-1.98	12.19	0.36	0.35	2.96	
876.00	2.37	2.90	875.80	15.34	-1.87	14.98	0.37	0.36	2.17	
898.00	2.37	7.23	897.78	16.24	-1.79	15.79	0.81	0.00	19.68	
998.00	2.52	26.08	997.69	20.27	-0.57	19.10	0.81	0.15	18.85	
1,098.00	2.90	41.38	1,097.58	24.14	2.07	21.75	0.81	0.38	15.30	
1,198.00	3.44	52.53	1,197.43	27.86	6.13	23.76	0.82	0.54	11.15	
1,298.00	4.06	60.47	1,297.21	31.43	11.59	25.11	0.81	0.62	7.94	
1,308.00	4.13	61.13	1,307.19	31.78	12.21	25.21	0.84	0.70	6.60	
1,398.00	3.67	62.46	1,396.98	34.68	17.60	25.96	0.52	-0.51	1.48	
1,498.00	3.16	64.40	1,496.80	37.35	22.93	26.52	0.52	-0.51	1.94	
1,598.00	2.65	67.08	1,596.67	39.44	27.54	26.80	0.53	-0.51	2.68	
1,698.00	2.15	71.01	1,696.58	40.95	31.45	26.79	0.53	-0.50	3.93	
1,743.00	1.93	73.44	1,741.56	41.44	32.97	26.70	0.53	-0.49	5.40	
1,774.00	1.93	62.19	1,772.54	41.84	33.93	26.72	1.22	0.00	-36.29	
1,798.00	1.91	62.15	1,796.53	42.21	34.64	26.81	0.08	-0.08	-0.17	
1,898.00	1.84	61.99	1,896.47	43.74	37.53	27.19	0.07	-0.07	-0.16	
1,998.00	1.77	61.82	1,996.42	45.23	40.31	27.57	0.07	-0.07	-0.17	
2,098.00	1.69	61.63	2,096.38	46.66	42.97	27.94	0.08	-0.08	-0.19	
2,198.00	1.62	61.42	2,196.33	48.03	45.51	28.30	0.07	-0.07	-0.21	
2,298.00	1.55	61.19	2,296.30	49.36	47.94	28.66	0.07	-0.07	-0.23	
2,398.00	1.47	60.94	2,396.26	50.64	50.24	29.02	0.08	-0.08	-0.25	
2,498.00	1.40	60.67	2,496.23	51.86	52.43	29.37	0.07	-0.07	-0.27	
2,605.00	1.32	60.34	2,603.20	53.11	54.64	29.73	0.08	-0.07	-0.31	
2,698.00	1.18	59.02	2,696.18	54.13	56.39	30.05	0.15	-0.15	-1.42	
2,798.00	1.04	57.23	2,796.16	55.15	58.04	30.41	0.14	-0.14	-1.79	
2,898.00	0.89	54.85	2,896.15	56.09	59.44	30.77	0.16	-0.15	-2.38	
2,998.00	0.75	51.56	2,996.13	56.94	60.58	31.16	0.15	-0.14	-3.29	
3,034.00	0.70	49.97	3,032.13	57.23	60.94	31.30	0.15	-0.14	-4.42	
3,098.00	0.76	45.50	3,096.13	57.78	61.54	31.59	0.13	0.09	-6.98	
3,198.00	0.84	39.52	3,196.12	58.81	62.48	32.21	0.12	0.08	-5.98	
3,236.00	0.88	37.58	3,234.11	59.26	62.83	32.50	0.13	0.11	-5.11	
3,263.00	1.06	38.28	3,261.11	59.62	63.11	32.73	0.67	0.67	2.59	
3,294.00	2.20	19.29	3,292.10	60.40	63.49	33.33	4.02	3.68	-61.26	
3,298.00	2.50	17.51	3,296.09	60.56	63.54	33.46	7.72	7.50	-44.50	
3,324.00	4.48	11.82	3,322.04	62.10	63.92	34.75	7.72	7.62	-21.88	
3,348.00	6.33	10.59	3,345.94	64.31	64.35	36.66	7.72	7.71	-5.13	
3,356.00	6.95	10.33	3,353.88	65.22	64.52	37.45	7.76	7.75	-3.25	
3,386.00	9.41	10.95	3,383.57	69.42	65.31	41.07	8.21	8.20	2.07	
3,398.00	10.30	10.91	3,395.40	71.43	65.70	42.81	7.42	7.42	-0.33	
3,418.00	11.78	10.86	3,415.03	75.19	66.43	46.05	7.40	7.40	-0.25	
3,448.00	14.77	9.98	3,444.22	81.97	67.67	51.92	9.99	9.97	-2.93	
3,480.00	17.94	9.36	3,474.92	90.85	69.17	59.65	9.92	9.91	-1.94	
3,498.00	19.77	8.60	3,491.96	96.60	70.08	64.68	10.26	10.17	-4.22	



Survey Report

Company:	MorningStar Partners	Local Co-ordinate Reference:	Well Carracas 25A 14
Project:	Rio Arriba County, NM (NAD 27 - True North)	TVD Reference:	GL: 7163' + 16' KB @ 7179.00usft (Drake #3)
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Well:	Carracas 25A 14	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,511.00	21.10	8.13	3,504.14	101.09	70.74	68.63	10.31	10.23	-3.62
3,541.00	24.09	7.43	3,531.83	112.51	72.30	78.71	10.01	9.97	-2.33
3,548.00	24.76	6.91	3,538.21	115.38	72.66	81.26	10.05	9.57	-7.43
3,572.00	27.08	5.32	3,559.79	125.81	73.77	90.58	10.09	9.67	-6.63
3,598.00	29.30	4.16	3,582.70	138.05	74.78	101.62	8.79	8.54	-4.46
3,604.00	29.81	3.91	3,587.92	141.00	74.99	104.30	8.74	8.50	-4.17
3,634.00	32.62	2.77	3,613.58	156.52	75.89	118.44	9.57	9.37	-3.80
3,648.00	33.93	2.36	3,625.28	164.19	76.23	125.47	9.49	9.36	-2.93
3,665.00	35.53	1.89	3,639.25	173.87	76.59	134.36	9.54	9.41	-2.76
3,695.00	38.25	1.45	3,663.25	191.87	77.11	150.95	9.11	9.07	-1.47
3,698.00	38.52	1.44	3,665.60	193.73	77.16	152.67	9.00	9.00	-0.33
3,725.00	40.96	1.37	3,686.36	210.99	77.58	168.60	9.04	9.04	-0.26
3,748.00	42.94	1.23	3,703.46	226.36	77.93	182.80	8.62	8.61	-0.61
3,756.00	43.62	1.19	3,709.29	231.84	78.04	187.87	8.51	8.50	-0.50
3,788.00	46.34	1.28	3,731.92	254.45	78.53	208.78	8.50	8.50	0.28
3,798.00	47.13	1.43	3,738.77	261.73	78.70	215.50	7.98	7.90	1.50
3,819.00	48.80	1.72	3,752.83	277.32	79.13	229.88	8.02	7.95	1.38
3,849.00	51.35	2.77	3,772.09	300.31	80.04	250.98	8.91	8.50	3.50
3,881.00	54.08	3.74	3,791.47	325.73	81.49	274.15	8.87	8.53	3.03
3,898.00	55.57	3.83	3,801.26	339.59	82.41	286.74	8.78	8.76	0.53
3,913.00	56.89	3.91	3,809.60	352.03	83.25	298.03	8.81	8.80	0.53
3,944.00	59.97	3.65	3,825.83	378.38	84.99	321.97	9.96	9.94	-0.84
3,948.00	60.48	3.51	3,827.81	381.85	85.20	325.12	13.11	12.75	-3.50
3,973.00	63.66	2.68	3,839.52	403.90	86.39	345.25	13.05	12.72	-3.32
3,998.00	66.50	2.19	3,850.06	426.55	87.36	366.01	11.50	11.36	-1.96
4,004.00	67.18	2.07	3,852.42	432.06	87.56	371.08	11.48	11.33	-2.00
4,023.00	69.35	1.23	3,859.45	449.70	88.07	387.34	12.14	11.42	-4.42
4,034.00	70.61	0.75	3,863.22	460.04	88.25	396.91	12.17	11.45	-4.36
4,048.00	72.16	0.59	3,867.69	473.30	88.40	409.22	11.12	11.07	-1.14
4,065.00	74.04	0.40	3,872.63	489.57	88.54	424.33	11.11	11.06	-1.12
4,095.00	77.47	0.49	3,880.01	518.64	88.77	451.35	11.44	11.43	0.30
4,098.00	77.80	0.54	3,880.65	521.57	88.79	454.07	11.12	11.00	1.67
4,125.00	80.81	1.01	3,885.66	548.10	89.15	478.67	11.28	11.15	1.74
4,148.00	85.44	1.47	3,888.41	570.92	89.65	499.76	20.23	20.13	2.00
4,156.00	87.05	1.63	3,888.94	578.90	89.86	507.12	20.22	20.13	2.00
4,173.00	90.04	1.82	3,889.37	595.88	90.38	522.77	17.62	17.59	1.12
4,187.00	92.51	1.96	3,889.06	609.87	90.84	535.64	17.67	17.64	1.00
4,220.00	91.10	355.39	3,888.02	642.83	90.07	566.64	20.35	-4.27	-19.91
4,252.00	90.97	359.25	3,887.44	674.78	88.58	596.97	12.07	-0.41	12.06
4,284.00	90.66	355.47	3,886.98	706.74	87.10	627.29	11.85	-0.97	-11.81
4,316.00	90.26	352.49	3,886.73	738.56	83.75	658.17	9.40	-1.25	-9.31
4,380.00	91.67	350.73	3,885.65	801.86	74.41	720.56	3.52	2.20	-2.75
4,443.00	92.86	348.97	3,883.16	863.82	63.32	782.33	3.37	1.89	-2.79



Survey Report

Company:	MorningStar Partners	Local Co-ordinate Reference:	Well Carracas 25A 14
Project:	Rio Arriba County, NM (NAD 27 - True North)	TVD Reference:	GL: 7163' + 16' KB @ 7179.00usft (Drake #3)
Site:	Carracas 25A 14	MD Reference:	GL: 7163' + 16' KB @ 7179.00usft (Drake #3)
Well:	Carracas 25A 14	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,507.00	94.00	346.25	3,879.33	926.21	49.62	845.46	4.60	1.78	-4.25
4,571.00	95.10	343.61	3,874.25	987.81	33.03	908.88	4.46	1.72	-4.13
4,634.00	95.76	338.86	3,868.29	1,047.18	12.86	971.52	7.58	1.05	-7.54
4,698.00	94.79	335.26	3,862.40	1,105.86	-11.97	1,035.21	5.80	-1.52	-5.63
4,762.00	91.27	335.44	3,859.02	1,163.93	-38.62	1,099.00	5.51	-5.50	0.28
4,823.00	91.27	334.64	3,857.67	1,219.22	-64.36	1,159.85	1.31	0.00	-1.31
4,884.00	90.66	334.64	3,856.64	1,274.33	-90.48	1,220.68	1.00	-1.00	0.00
4,945.00	90.57	333.85	3,855.98	1,329.27	-116.99	1,281.49	1.30	-0.15	-1.30
5,006.00	90.57	334.38	3,855.38	1,384.15	-143.62	1,342.28	0.87	0.00	0.87
5,067.00	89.87	333.85	3,855.14	1,439.03	-170.25	1,403.08	1.44	-1.15	-0.87
5,127.00	90.88	335.00	3,854.75	1,493.15	-196.15	1,462.90	2.55	1.68	1.92
5,188.00	89.78	334.64	3,854.40	1,548.35	-222.10	1,523.75	1.90	-1.80	-0.59
5,250.00	89.87	334.38	3,854.59	1,604.31	-248.78	1,585.58	0.44	0.15	-0.42
5,310.00	89.56	335.79	3,854.89	1,658.73	-274.06	1,645.45	2.41	-0.52	2.35
5,370.00	91.19	337.46	3,854.49	1,713.80	-297.86	1,705.41	3.89	2.72	2.78
5,431.00	90.88	337.37	3,853.39	1,770.11	-321.28	1,766.38	0.53	-0.51	-0.15
5,493.00	91.10	336.84	3,852.32	1,827.22	-345.40	1,828.34	0.93	0.35	-0.85
5,554.00	91.27	337.28	3,851.06	1,883.38	-369.17	1,889.30	0.77	0.28	0.72
5,614.00	91.27	336.58	3,849.73	1,938.57	-392.67	1,949.26	1.17	0.00	-1.17
5,676.00	90.88	335.44	3,848.57	1,995.20	-417.88	2,011.17	1.94	-0.63	-1.84
5,737.00	90.09	335.70	3,848.05	2,050.74	-443.10	2,072.07	1.36	-1.30	0.43
5,796.00	89.56	335.88	3,848.23	2,104.55	-467.30	2,130.99	0.95	-0.90	0.31
5,856.00	89.69	335.38	3,848.62	2,159.20	-492.06	2,190.90	0.86	0.22	-0.83
5,917.00	90.66	334.38	3,848.44	2,214.43	-517.95	2,251.76	2.28	1.59	-1.64
5,979.00	91.19	334.47	3,847.44	2,270.35	-544.71	2,313.57	0.87	0.85	0.15
6,041.00	90.88	333.85	3,846.32	2,326.14	-571.73	2,375.36	1.12	-0.50	-1.00
6,102.00	91.10	333.24	3,845.26	2,380.74	-598.90	2,436.09	1.06	0.36	-1.00
6,164.00	91.76	333.94	3,843.71	2,436.25	-626.47	2,497.82	1.55	1.06	1.13
6,225.00	91.67	335.00	3,841.89	2,491.27	-652.75	2,558.62	1.74	-0.15	1.74
6,286.00	91.58	335.61	3,840.16	2,546.67	-678.22	2,619.48	1.01	-0.15	1.00
6,350.00	91.89	334.64	3,838.22	2,604.71	-705.13	2,683.32	1.59	0.48	-1.52
6,414.00	90.97	335.79	3,836.62	2,662.79	-731.95	2,747.18	2.30	-1.44	1.80
6,477.00	90.88	337.55	3,835.61	2,720.63	-756.90	2,810.12	2.80	-0.14	2.79
6,541.00	89.69	336.49	3,835.29	2,779.55	-781.88	2,874.09	2.49	-1.86	-1.66
6,605.00	90.40	336.93	3,835.24	2,838.33	-807.19	2,938.05	1.31	1.11	0.69
6,664.00	90.40	336.93	3,834.83	2,892.61	-830.31	2,997.02	0.00	0.00	0.00
PTB 6664.00' MD/3834.83' TVD									



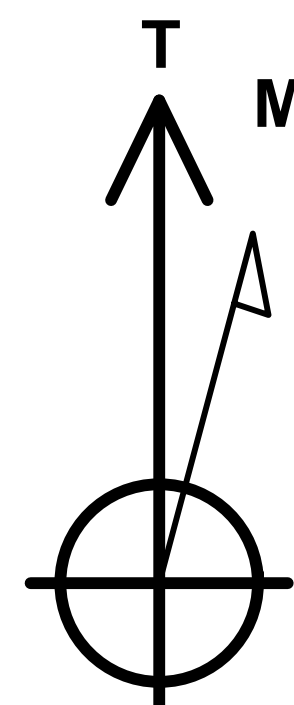
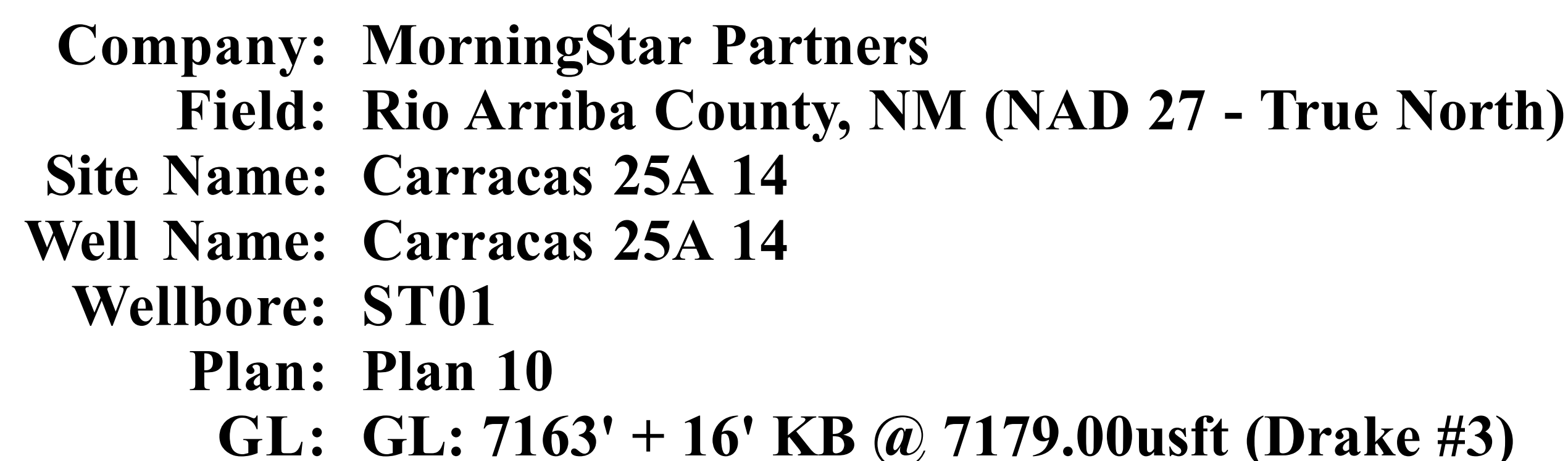
Survey Report

Company:	MorningStar Partners	Local Co-ordinate Reference:	Well Carracas 25A 14
Project:	Rio Arriba County, NM (NAD 27 - True North)	TVD Reference:	GL: 7163' + 16' KB @ 7179.00usft (Drake #3)
Site:	Carracas 25A 14	MD Reference:	GL: 7163' + 16' KB @ 7179.00usft (Drake #3)
Well:	Carracas 25A 14	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM5000

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,664.00	3,834.83	2,892.61	-830.31	PTB 6664.00' MD/3834.83' TVD

Checked By: _____ Approved By: _____ Date: _____



Magnetic Field
Strength: 49633.7nT
Dip Angle: 63.40°
Date: 9/27/2022
Model: IGRF2020



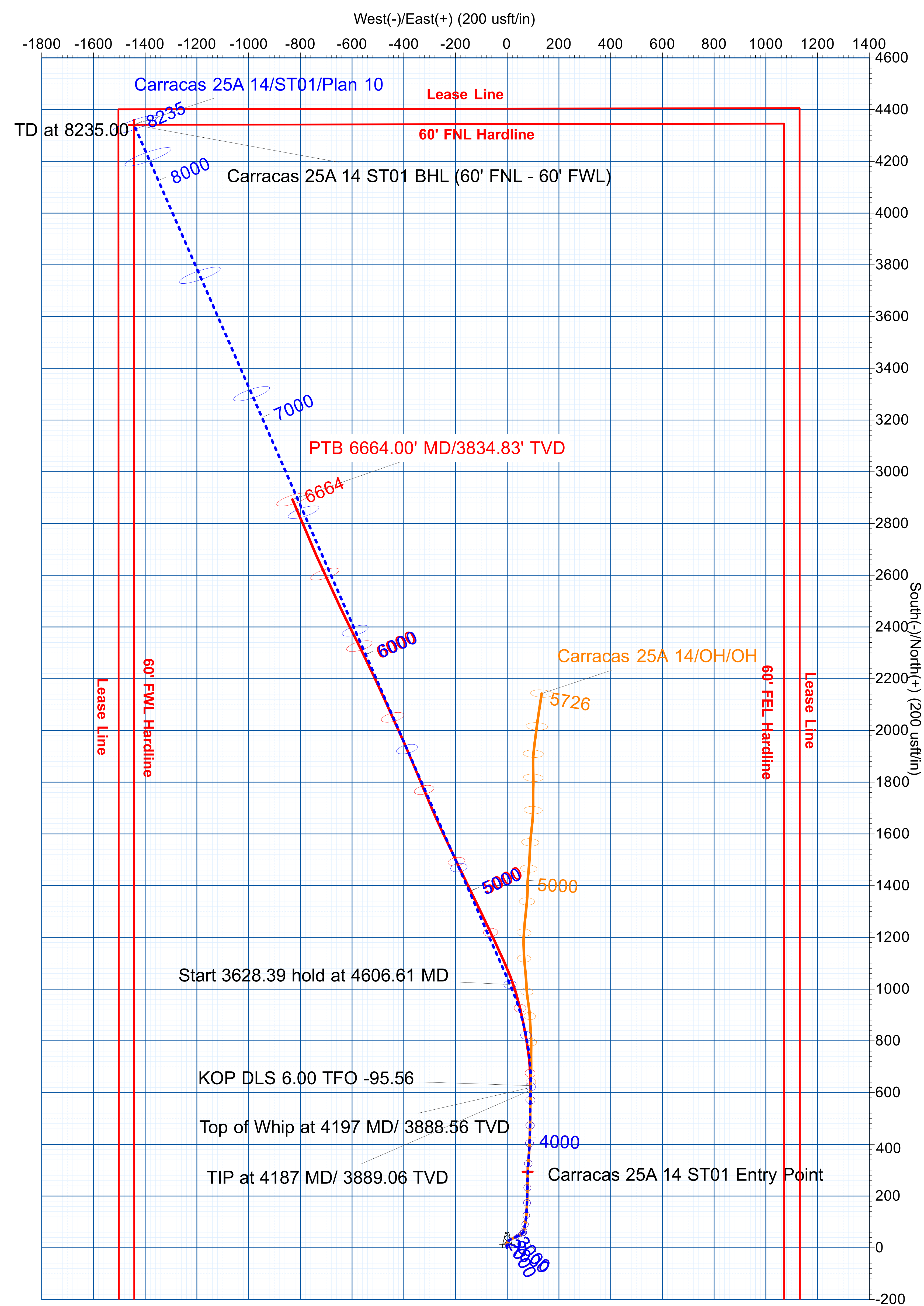
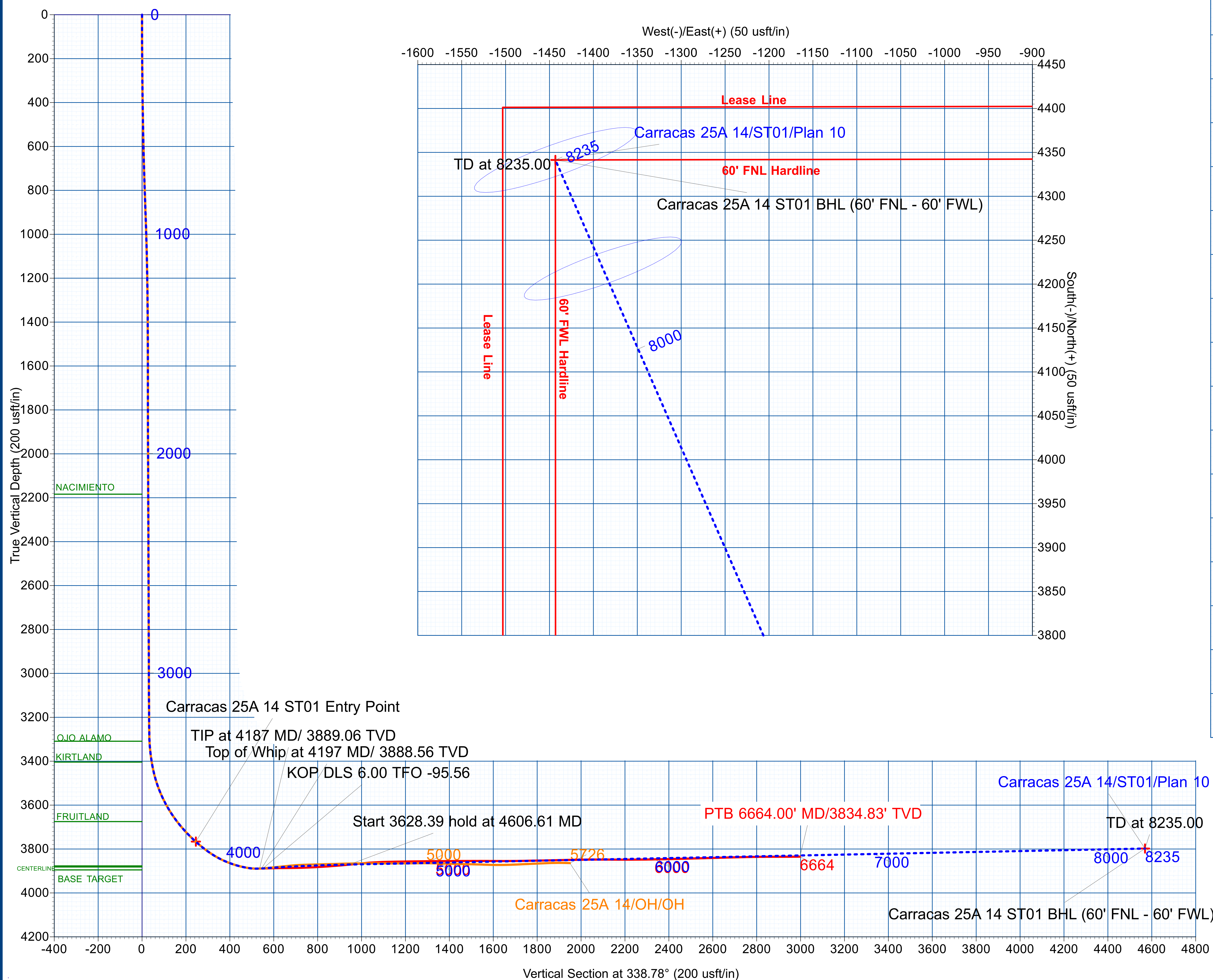
To convert a Magnetic Direction to a True Direction, Add 8.57° East

WELL DETAILS: Carracas 25A 14

		GL: 7163' + 16' KB @ 7179.00usft (Drake #3)			7163.00
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	2164156.31	650933.85	36.946376	-107.316828

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
4187.00	92.51	1.96	3889.06	609.87	90.84	0.00	0.00	535.64	TIP at 4187 MD/ 3889.06 TVD
4197.00	93.22	1.86	3888.56	619.85	91.17	7.17	-8.00	544.83	Top of Whip at 4197 MD/ 3888.56 TVD
4204.00	93.75	0.41	3888.13	626.84	91.31	22.00	-70.00	551.29	KOP DLS 6.00 TFO -95.56
4606.61	91.15	336.37	3870.69	1017.91	10.87	6.00	-95.56	944.96	Start 3628.39 hold at 4606.61 MD
8235.00	91.15	336.37	3797.95	4341.37	-1443.26	0.00	0.00	4569.40	TD at 8235.00

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Carracas 25A 14 ST01 Entry Point	3766.37	293.80	78.81	2164450.54	651011.06	36.947183	-107.316558
Carracas 25A 14 ST01 BHL (60' FNL - 60' FWL)	3797.95	4341.37	-1443.26	2164489.79	649467.08	36.958301	-107.321768



TVDPATH	MDPATH	FORMATION
2183.49	2185.15	Nacimiento
3308.39	3310.31	Ojo Alamo
3403.20	3405.94	Kirtland
3672.13	3706.40	Fruitland
3869.44	4053.82	Top Target
3874.16	4070.70	Centerline
3886.20	4128.53	Base Target

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

ACKNOWLEDGMENTS

Action 151325

ACKNOWLEDGMENTS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 151325
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 151325

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 151325
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	C-104RT valid for 90 days	10/24/2022