

Well Name: CARRACAS 32B	Well Location: T32N / R4W / SEC 32 / SWNW / 36.94604 / -107.28454	County or Parish/State: RIO ARRIBA / NM
Well Number: 7	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMNM28277	Unit or CA Name:	Unit or CA Number:
US Well Number: 300393052801X1	Well Status: Producing Gas Well	Operator: MORNINGSTAR OPERATING LLC

Subsequent Report

Sundry ID: 2699655

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 10/25/2022	Time Sundry Submitted: 01:36
Date Operation Actually Began: 10/03/2022	

Actual Procedure: MorningStar Operating has drilled a sidetrack and completed a new interval in the existing Fruitland Coal in the Carracas 32B 7H. Attached are the Subsequent Procedure, C-102 As Drilled Plat, and Directional Survey. A Completion Report has been filed separately including the WBD.

SR Attachments

- PActual Procedure
- Carracas_32B_7_1ST_Dir_Survey_20221025133517.pdf
 - Subsequent_Procedure__C_102_As_Drilled_Plat_Carracas_32B_7_20221025131719.pdf

Received by OCD: 10/26/2022 8:04:40 AM

Page 2 of 13

Well Name: CARRACAS 32B	Well Location: T32N / R4W / SEC 32 / SWNW / 36.94604 / -107.28454	County or Parish/State: RIO ARRIBA / NM
Well Number: 7	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMNM28277	Unit or CA Name:	Unit or CA Number:
US Well Number: 300393052801X1	Well Status: Producing Gas Well	Operator: MORNINGSTAR 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: CONNIE BLAYLOCK	Signed on: OCT 25, 2022 01:35 PM
Name: MORNINGSTAR OPERATING LLC	
Title: Regulatory Technician	
Street Address: 400 W 7th St.	
City: Forth Worth	State: TX
Phone: (817) 334-7882	
Email address: CBLAYLOCK@MSPARTNERS.COM	

Field

Representative Name: Amy Byars		
Street Address:		
City:	State:	Zip:
Phone:		
Email address: abyars@mspartners.com		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 10/25/2022
Signature: Kenneth Rennick	

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 394-0720

DISTRICT II

811 S. First St., Artesia, N.M. 88210
Phone: (505) 748-1283 Fax: (505) 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 30-039-30528	² Pool Code 71629	³ Pool Name BASIN FRIUTLAND COAL
⁴ Property Code 329037	⁵ Property Name CARRACAS 32B	⁶ Well Number 7-1ST
⁷ GRID No. 330132	⁸ Operator Name MORNINGSTAR OPERATING LLC	⁹ Elevation 7197'

¹⁰ Surface Location

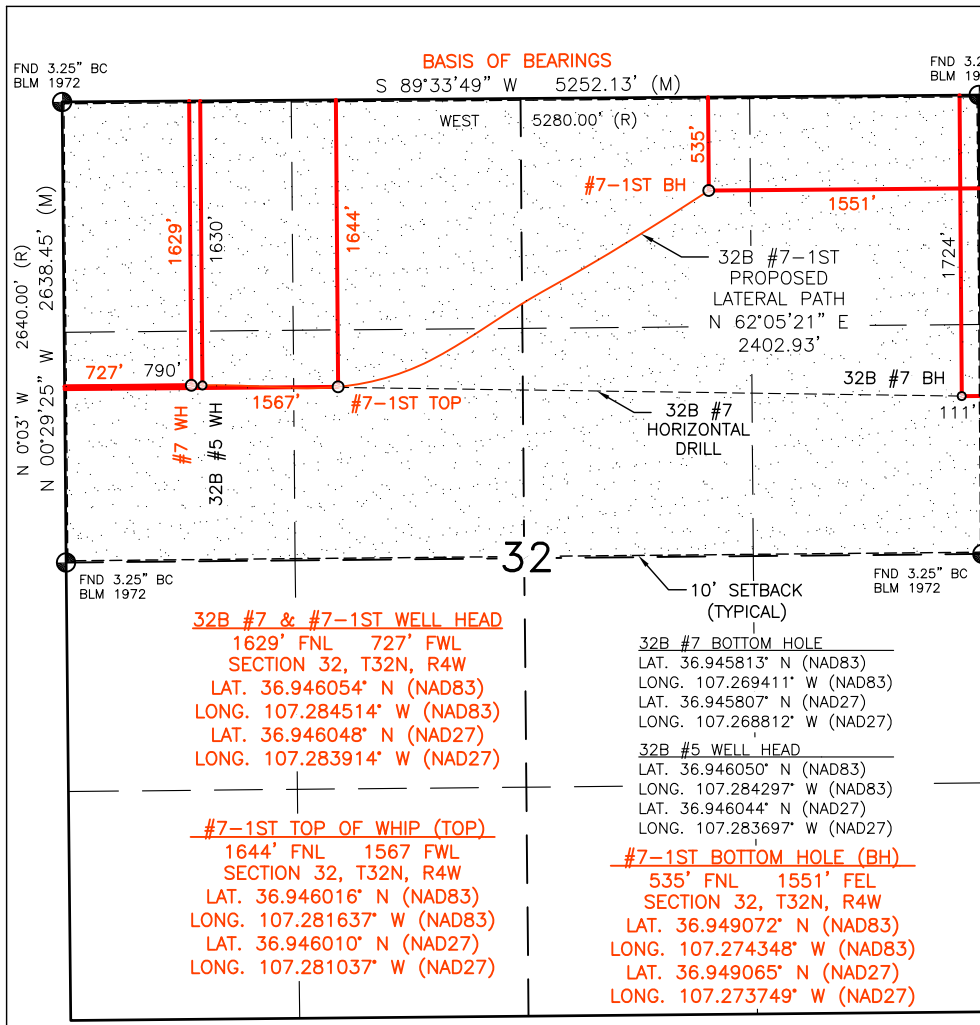
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	32	32N	4W		1629'	NORTH	727'	WEST	RIO ARriba

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
B	32	32N	4W		535'	NORTH	1551'	EAST	RIO ARriba
¹² Dedicated Acres N/2 SEC. 32 320.00 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

16



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 10/20/2022
Signature Date

Connie Blaylock
Printed Name

cblaylock@mspartners.com
E-mail Address

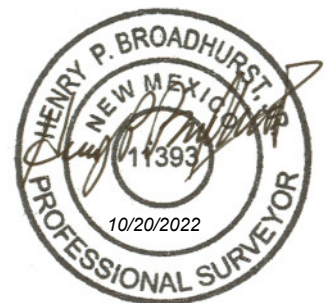
SURVEYOR CERTIFICATION

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 20, 2022

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393

SUBSEQUENT PROCEDURE – CARRACAS 32B 7H-1ST

9/21/2022: Ran GR CCL. Pressure test csg 1600psig 15min, good.

10/03/2022: MIRU Drilling Rig.

Set RBP at 4457'. Test csg to 1550psi for 15min, good. Set Whipstock.

Cut window 4,429'-4,437'. Drill to TD 6855'md. Drop 4.5" pre-perf liner.

Liner top at 4442'. Liner btm at 6579'. Perfs 4484'-6531'. Set RBP at 3508'.

10/18/2022: RDMO Drilling Rig.

10/26/2022 Expected: MIRU WOR.

Pull RBP, Whipstock and RBP. RIH Prod tbg. Swab well cleaning up.

If approved for gas sales before MIRU WOR, will swab and sell gas as efficiently as possible to clean up well.

If not approved for gas sales during completion will swab while building csg pressure until tbg shows signs of gas shows.

Install rods and pump.

10/31/2022 Expected: RDMO WOR.

MorningStar Operating, LLC

Post Sidetrack WBD 10/18/2022

Carracas 32B-7H Rio Arriba County, NM

TD – 8,019,' MD; 3,966,' TVD

12 1/4" hole to 240'

Csg: 5 jts – 9 5/8" 32.3# H-40 LT&C

Setting Depth: 229 ft

Cement

125sx Type V

(146 ft³), Circ. 9 bbls cmt to surface

8 3/4" hole to 4558'

Csg: 102 jts – 7" 23# J-55 LT&C

Setting Depth: 4544 ft

Cement

Lead: 595sx Halliburton Light

Tail: 150sx Class G

Total cmt (1339 ft³)

Circ. 87 bbls to surface

6 1/4" hole to 8,019'md ; 3,966'tvd

Liner: 83 jts- 4 1/2" 11.6# J-55

perfs 4,550' – 7,975'

0.50" 8spf 27,402 holes

Setting Depth: 8,019'

TOL: 4,506'

No cement

6 1/4" hole to 6,855'md ; 3,970'tvd

Liner: 50 jts- 4 1/2" 11.6# J-55

perfs 4,484' – 6,531'

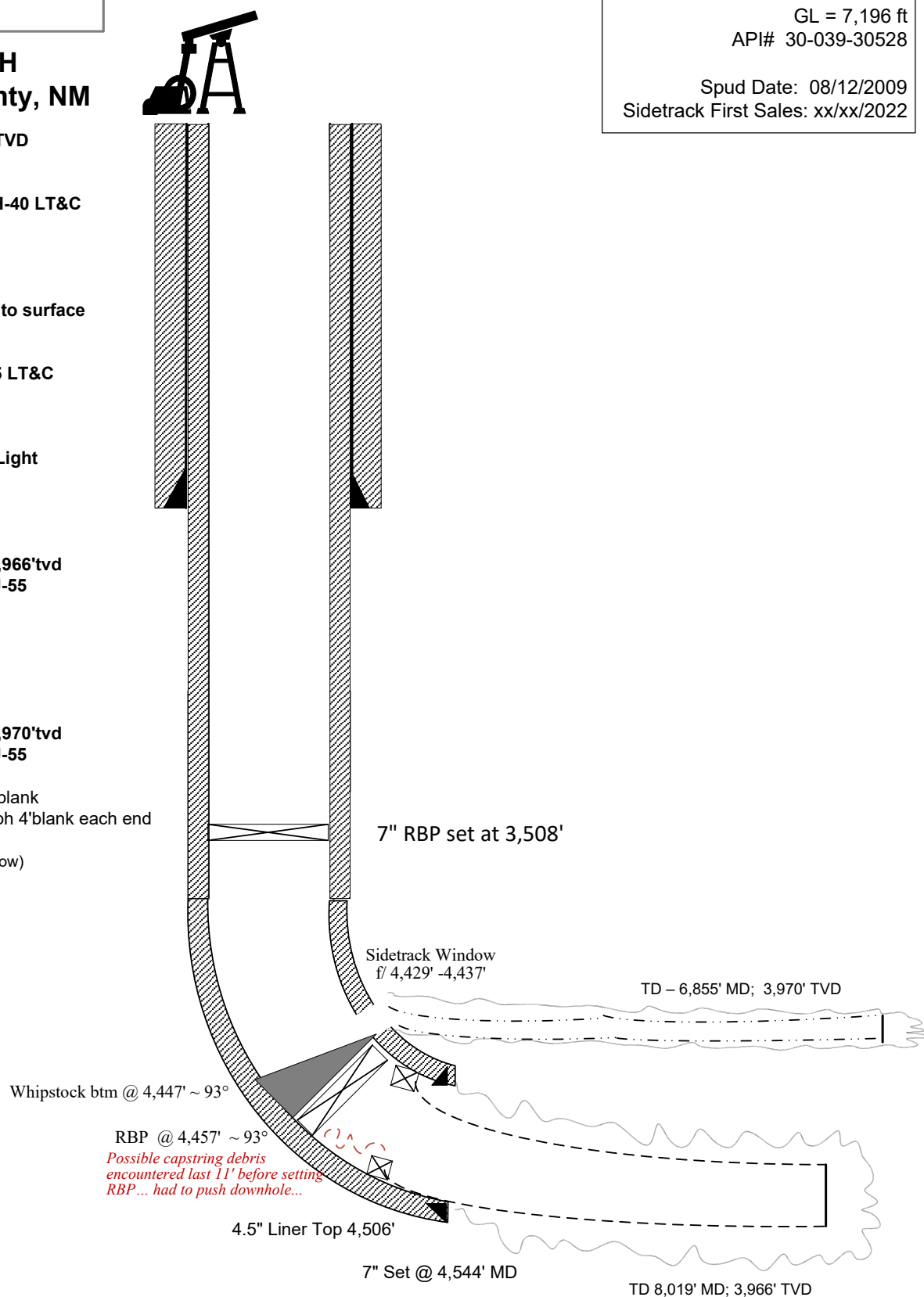
every other 25perfd – 25blank

~3450 holes 4spf 90deg ph 4'blank each end

Setting Depth: 6,579'

TOL: 4,442' (5' outside window)

No cement



Prepared by: Dusak

Date: 07/06/2017

Updated: J Marschall 09/14/2021

B.Savage 10/24/2022

KB = 13.5 ft

GL = 7,196 ft

API# 30-039-30528

Spud Date: 08/12/2009

Sidetrack First Sales: xx/xx/2022

MorningStar Operating, LLC

Post Sidetrack Proposed Corod RTP

Carracas 32B-7H Rio Arriba County, NM

TD – 8,019,' MD; 3,966,' TVD

12 1/4" hole to 240'

Csg: 5 jts – 9 5/8" 32.3# H-40 LT&C

Setting Depth: 229 ft

Cement

125sx Type V

(146 ft³), Circ. 9 bbls cmt to surface

8 3/4" hole to 4558'

Csg: 102 jts – 7" 23# J-55 LT&C

Setting Depth: 4544 ft

Cement

Lead: 595sx Halliburton Light

Tail: 150sx Class G

Total cmt (1339 ft³)

Circ. 87 bbls to surface

6 1/4" hole to 8,019'md ; 3,966'tvd

Liner: 83 jts- 4 1/2" 11.6# J-55

perfs 4,550' – 7,975'

0.50" 8spf 27,402 holes

Setting Depth: 8,019'

TOL: 4,506'

No cement

6 1/4" hole to 6,855'md ; 3,970'tvd

Liner: 50 jts- 4 1/2" 11.6# J-55

perfs 4,484' – 6,531'

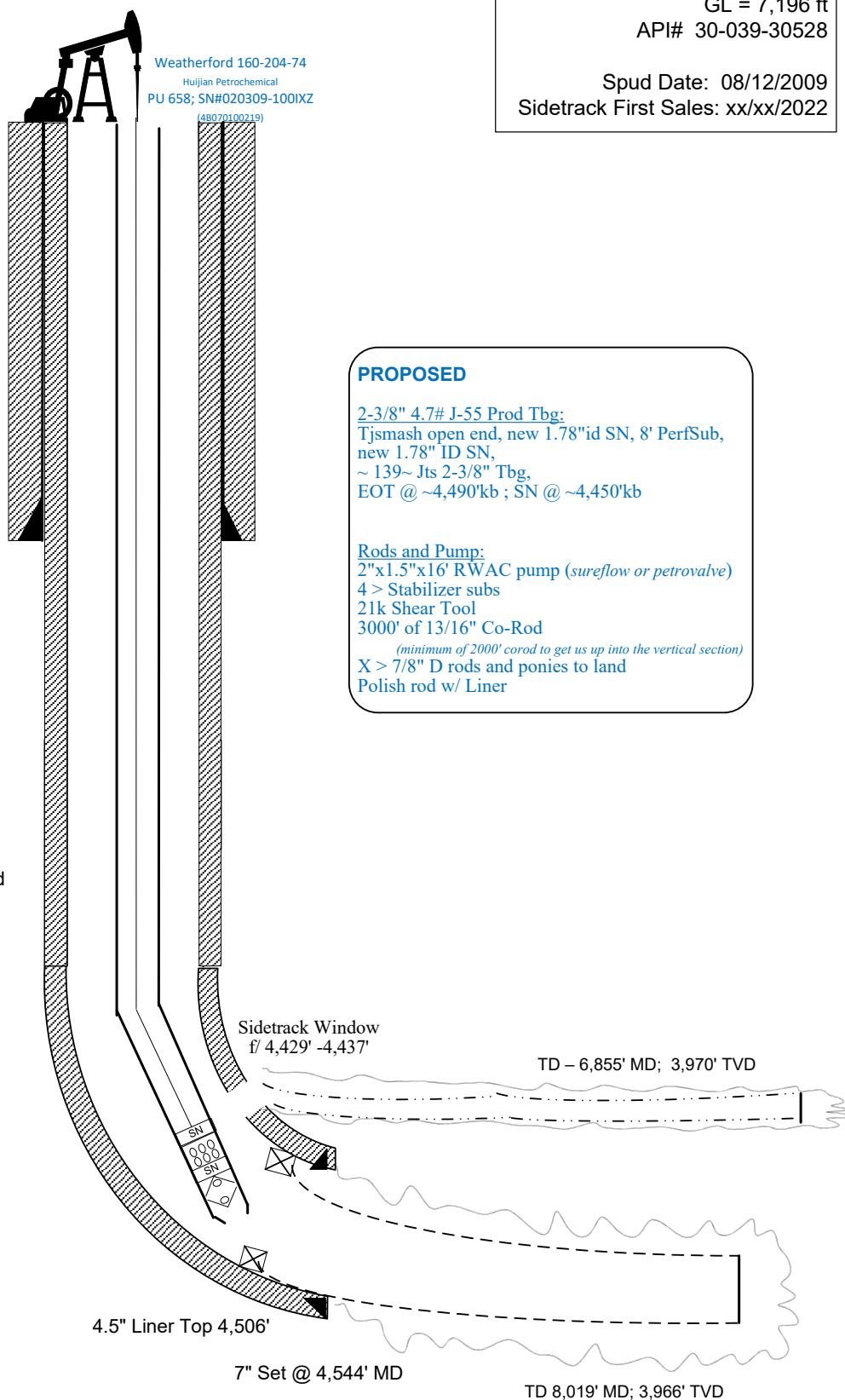
every other 25perfd – 25blank

~3450 holes 4spf 90deg ph 4'blank each end

Setting Depth: 6,579'

TOL: 4,442' (5' outside window)

No cement





MorningStar Partners

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

Carracas 32B 7

Carracas 32B 7

ST01

Design: ST01

Standard Survey Report

15 October, 2022

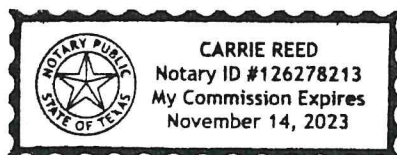
This survey is correct to the best of my knowledge and is supported by actual field data.

Cameron Stevens

Notarized this date 15th of October, 2022.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Survey Report

Company:	MorningStar Partners	Local Co-ordinate Reference:	Well Carracas 32B 7
Project:	Rio Arriba County, NM (NAD 27 - True North)	TVD Reference:	GL 7197'+ 16' KB @ 7213.00usft (Drake #1)
Site:	Carracas 32B 7	MD Reference:	GL 7197'+ 16' KB @ 7213.00usft (Drake #1)
Well:	Carracas 32B 7	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 32B 7			
Site Position:		Northing:	2,164,090.68 usft	Latitude:	36.946048
From:	Lat/Long	Easting:	660,552.79 usft	Longitude:	-107.283914
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well		Carracas 32B 7				
Well Position	+N/-S	0.00 usft	Northing:	2,164,090.68 usft	Latitude:	36.946048
	+E/-W	0.00 usft	Easting:	660,552.79 usft	Longitude:	-107.283914
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	7,197.00 usft
Grid Convergence:		0.33 °				

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/4/2022	8.55	63.41	49,635.37594317

Design	ST01				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	4,414.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	67.69	

Survey Program	Date	10/15/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
2.00	4,414.00	Original Hole MWD Surveys (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM	
4,508.00	6,855.00	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	
2.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	
267.00	1.32	320.76	266.98	2.36	-1.93	-0.89	0.50	0.50	0.00	
359.00	0.09	264.71	358.97	3.18	-2.67	-1.27	1.38	-1.34	-60.92	
449.00	0.09	111.96	448.97	3.15	-2.68	-1.28	0.19	0.00	-169.72	
540.00	0.18	75.42	539.97	3.15	-2.47	-1.09	0.13	0.10	-40.15	
632.00	0.26	18.19	631.97	3.39	-2.27	-0.81	0.24	0.09	-62.21	
722.00	0.09	44.70	721.97	3.63	-2.15	-0.61	0.20	-0.19	29.46	
812.00	0.09	251.71	811.97	3.66	-2.17	-0.62	0.19	0.00	-169.99	



Survey Report

Company:	MorningStar Partners	Local Co-ordinate Reference:	Well Carracas 32B 7
Project:	Rio Arriba County, NM (NAD 27 - True North)	TVD Reference:	GL 7197'+ 16' KB @ 7213.00usft (Drake #1)
Site:	Carracas 32B 7	MD Reference:	GL 7197'+ 16' KB @ 7213.00usft (Drake #1)
Well:	Carracas 32B 7	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)	
905.00	0.18	232.77	904.97	3.55	-2.36	-0.83	0.11	0.10	-20.37	
994.00	0.18	182.61	993.97	3.33	-2.48	-1.03	0.17	0.00	-56.36	
1,085.00	0.09	40.41	1,084.97	3.24	-2.44	-1.02	0.28	-0.10	-156.26	
1,175.00	0.18	317.39	1,174.97	3.40	-2.49	-1.01	0.21	0.10	-92.24	
1,265.00	0.18	144.28	1,264.97	3.38	-2.50	-1.03	0.40	0.00	-192.34	
1,357.00	0.26	230.46	1,356.97	3.13	-2.58	-1.19	0.33	0.09	93.67	
1,448.00	0.09	167.83	1,447.96	2.93	-2.72	-1.40	0.26	-0.19	-68.82	
1,539.00	0.35	218.39	1,538.96	2.65	-2.88	-1.66	0.33	0.29	55.56	
1,631.00	0.35	196.97	1,630.96	2.16	-3.13	-2.08	0.14	0.00	-23.28	
1,723.00	0.79	178.10	1,722.96	1.25	-3.19	-2.48	0.51	0.48	-20.51	
1,813.00	0.18	92.80	1,812.95	0.63	-3.03	-2.57	0.88	-0.68	-94.78	
1,905.00	0.09	131.75	1,904.95	0.57	-2.83	-2.41	0.13	-0.10	42.34	
1,999.00	0.70	122.18	1,998.95	0.22	-2.29	-2.04	0.65	0.65	-10.18	
2,091.00	0.62	93.08	2,090.95	-0.11	-1.32	-1.26	0.37	-0.09	-31.63	
2,184.00	0.26	86.70	2,183.94	-0.12	-0.61	-0.61	0.39	-0.39	-6.86	
2,277.00	0.53	57.22	2,276.94	0.12	-0.04	0.01	0.35	0.29	-31.70	
2,370.00	0.26	60.11	2,369.94	0.46	0.51	0.65	0.29	-0.29	3.11	
2,463.00	0.26	113.88	2,462.94	0.48	0.88	1.00	0.25	0.00	57.82	
2,555.00	0.44	48.15	2,554.94	0.63	1.34	1.48	0.44	0.20	-71.45	
2,648.00	0.62	98.37	2,647.93	0.79	2.10	2.25	0.51	0.19	54.00	
2,742.00	0.44	58.84	2,741.93	0.91	2.91	3.04	0.42	-0.19	-42.05	
2,835.00	0.26	48.37	2,834.93	1.23	3.38	3.59	0.20	-0.19	-11.26	
2,927.00	0.26	52.64	2,926.93	1.50	3.70	3.99	0.02	0.00	4.64	
3,018.00	0.35	110.92	3,017.93	1.52	4.12	4.39	0.34	0.10	64.04	
3,050.00	0.88	102.22	3,049.92	1.44	4.46	4.67	1.68	1.66	-27.19	
3,080.00	2.55	96.70	3,079.91	1.31	5.34	5.44	5.59	5.57	-18.40	
3,112.00	4.57	92.46	3,111.85	1.17	7.32	7.22	6.36	6.31	-13.25	
3,143.00	7.12	90.87	3,142.68	1.09	10.48	10.11	8.24	8.23	-5.13	
3,206.00	11.61	90.86	3,204.83	0.94	20.73	19.53	7.13	7.13	-0.02	
3,236.00	12.84	91.78	3,234.15	0.79	27.08	25.35	4.15	4.10	3.07	
3,268.00	13.72	92.27	3,265.29	0.53	34.42	32.05	2.77	2.75	1.53	
3,299.00	14.77	92.33	3,295.34	0.22	42.05	38.98	3.39	3.39	0.19	
3,330.00	15.92	92.17	3,325.23	-0.10	50.24	46.44	3.71	3.71	-0.52	
3,361.00	17.41	92.19	3,354.93	-0.44	59.13	54.53	4.81	4.81	0.06	
3,391.00	19.08	91.73	3,383.42	-0.76	68.51	63.10	5.59	5.57	-1.53	
3,422.00	20.31	91.14	3,412.60	-1.02	78.96	72.66	4.02	3.97	-1.90	
3,453.00	21.72	90.69	3,441.54	-1.20	90.07	82.88	4.58	4.55	-1.45	
3,482.00	23.04	90.76	3,468.36	-1.34	101.11	93.04	4.55	4.55	0.24	
3,513.00	24.71	89.50	3,496.70	-1.36	113.66	104.63	5.63	5.39	-4.06	
3,545.00	26.38	88.99	3,525.57	-1.18	127.46	117.47	5.26	5.22	-1.59	
3,576.00	28.05	88.71	3,553.14	-0.89	141.63	130.69	5.40	5.39	-0.90	
3,607.00	29.81	89.20	3,580.27	-0.62	156.62	144.66	5.73	5.68	1.58	
3,638.00	32.27	90.20	3,606.83	-0.54	172.60	159.48	8.11	7.94	3.23	



Survey Report

Company:	MorningStar Partners	Local Co-ordinate Reference:	Well Carracas 32B 7
Project:	Rio Arriba County, NM (NAD 27 - True North)	TVD Reference:	GL 7197'+ 16' KB @ 7213.00usft (Drake #1)
Site:	Carracas 32B 7	MD Reference:	GL 7197'+ 16' KB @ 7213.00usft (Drake #1)
Well:	Carracas 32B 7	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)
3,670.00	34.47	90.99	3,633.55	-0.73	190.20	175.69	7.01	6.88	2.47
3,701.00	37.28	91.56	3,658.67	-1.13	208.36	192.34	9.13	9.06	1.84
3,732.00	39.04	92.05	3,683.04	-1.74	227.51	209.82	5.76	5.68	1.58
3,764.00	41.15	92.01	3,707.52	-2.47	248.10	228.59	6.59	6.59	-0.13
3,795.00	43.44	91.67	3,730.45	-3.14	268.95	247.63	7.42	7.39	-1.10
3,827.00	45.90	92.15	3,753.21	-3.89	291.43	268.14	7.76	7.69	1.50
3,856.00	48.36	92.65	3,772.94	-4.78	312.67	287.45	8.58	8.48	1.72
3,887.00	51.00	93.05	3,792.99	-5.96	336.27	308.84	8.57	8.52	1.29
3,918.00	53.90	93.09	3,811.88	-7.27	360.81	331.04	9.36	9.35	0.13
3,949.00	56.37	92.84	3,829.60	-8.59	386.21	354.04	8.00	7.97	-0.81
3,980.00	58.21	92.44	3,846.35	-9.79	412.27	377.69	6.03	5.94	-1.29
4,011.00	60.32	92.31	3,862.20	-10.89	438.89	401.90	6.82	6.81	-0.42
4,042.00	63.05	91.92	3,876.90	-11.90	466.16	426.75	8.88	8.81	-1.26
4,073.00	65.77	91.01	3,890.29	-12.61	494.10	452.33	9.16	8.77	-2.94
4,104.00	68.32	90.39	3,902.38	-12.96	522.64	478.60	8.43	8.23	-2.00
4,135.00	70.70	90.15	3,913.23	-13.09	551.68	505.41	7.71	7.68	-0.77
4,166.00	72.63	90.23	3,922.98	-13.19	581.11	532.60	6.23	6.23	0.26
4,197.00	74.66	90.19	3,931.71	-13.30	610.85	560.07	6.55	6.55	-0.13
4,229.00	77.03	89.96	3,939.53	-13.34	641.88	588.76	7.44	7.41	-0.72
4,258.00	79.76	89.66	3,945.37	-13.25	670.28	615.08	9.47	9.41	-1.03
4,290.00	83.01	89.84	3,950.16	-13.11	701.91	644.40	10.17	10.16	0.56
4,321.00	86.00	90.11	3,953.13	-13.10	732.77	672.94	9.68	9.65	0.87
4,351.00	89.08	90.59	3,954.41	-13.28	762.74	700.60	10.39	10.27	1.60
4,383.00	92.07	90.68	3,954.09	-13.63	794.73	730.06	9.35	9.34	0.28
4,414.00	92.77	91.09	3,952.78	-14.11	825.70	758.53	2.62	2.26	1.32
4,508.00	95.27	86.88	3,946.19	-12.46	919.42	845.87	5.20	2.66	-4.48
4,571.00	94.09	79.67	3,941.05	-5.10	981.74	906.31	11.56	-1.87	-11.44
4,635.00	91.10	77.30	3,938.15	7.66	1,044.37	969.10	5.96	-4.67	-3.70
4,699.00	89.38	74.05	3,937.88	23.49	1,106.37	1,032.47	5.75	-2.69	-5.08
4,762.00	88.77	70.45	3,938.90	42.69	1,166.36	1,095.25	5.79	-0.97	-5.71
4,826.00	89.78	66.58	3,939.71	66.12	1,225.89	1,159.23	6.25	1.58	-6.05
4,890.00	90.48	64.47	3,939.56	92.64	1,284.14	1,223.18	3.47	1.09	-3.30
4,953.00	88.29	61.48	3,940.24	121.26	1,340.24	1,285.95	5.88	-3.48	-4.75
5,017.00	88.99	61.57	3,941.76	151.76	1,396.49	1,349.56	1.10	1.09	0.14
5,078.00	89.78	60.60	3,942.41	181.25	1,449.88	1,410.15	2.05	1.30	-1.59
5,139.00	88.77	57.88	3,943.18	212.45	1,502.29	1,470.48	4.76	-1.66	-4.46
5,200.00	89.56	57.61	3,944.07	245.00	1,553.87	1,530.55	1.37	1.30	-0.44
5,262.00	89.87	56.65	3,944.38	278.64	1,605.94	1,591.50	1.63	0.50	-1.55
5,322.00	89.78	57.96	3,944.56	311.05	1,656.43	1,650.52	2.19	-0.15	2.18
5,382.00	89.30	59.11	3,945.05	342.37	1,707.61	1,709.75	2.08	-0.80	1.92
5,444.00	88.37	59.90	3,946.31	373.83	1,761.02	1,771.11	1.97	-1.50	1.27
5,505.00	87.98	58.58	3,948.25	405.01	1,813.41	1,831.41	2.26	-0.64	-2.16
5,565.00	88.29	58.40	3,950.20	436.35	1,864.53	1,890.61	0.60	0.52	-0.30



Survey Report

Company:	MorningStar Partners	Local Co-ordinate Reference:	Well Carracas 32B 7
Project:	Rio Arriba County, NM (NAD 27 - True North)	TVD Reference:	GL 7197'+ 16' KB @ 7213.00usft (Drake #1)
Site:	Carracas 32B 7	MD Reference:	GL 7197'+ 16' KB @ 7213.00usft (Drake #1)
Well:	Carracas 32B 7	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM5000

Survey

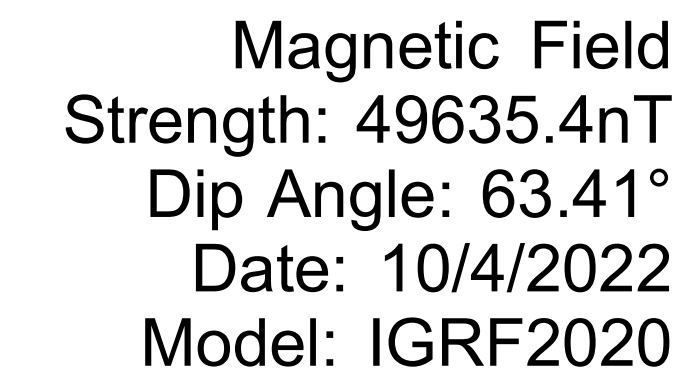
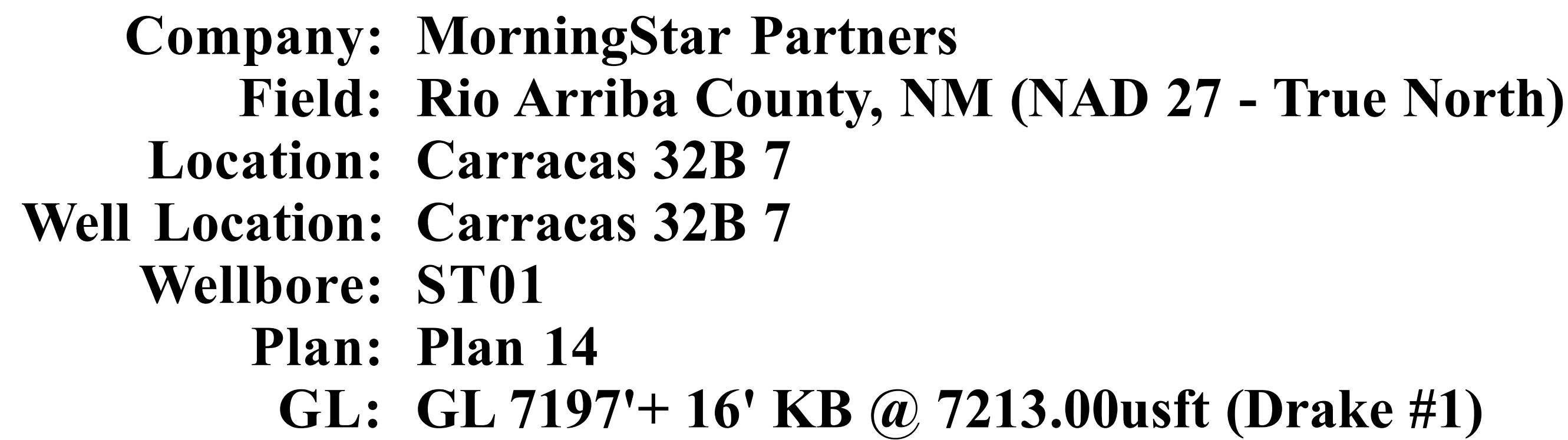
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,626.00	88.46	58.14	3,951.93	468.42	1,916.40	1,950.76	0.51	0.28	-0.43
5,687.00	88.37	59.63	3,953.62	499.93	1,968.60	2,011.02	2.45	-0.15	2.44
5,748.00	87.89	60.07	3,955.61	530.55	2,021.32	2,071.42	1.07	-0.79	0.72
5,810.00	86.97	61.30	3,958.39	560.87	2,075.32	2,132.89	2.48	-1.48	1.98
5,870.00	87.36	61.39	3,961.36	589.61	2,127.91	2,192.45	0.67	0.65	0.15
5,931.00	88.07	61.30	3,963.79	618.84	2,181.40	2,253.03	1.17	1.16	-0.15
5,992.00	89.78	61.13	3,964.93	648.21	2,234.85	2,313.62	2.82	2.80	-0.28
6,051.00	89.38	60.07	3,965.37	677.17	2,286.25	2,372.17	1.92	-0.68	-1.80
6,111.00	88.77	59.90	3,966.33	707.18	2,338.19	2,431.62	1.06	-1.02	-0.28
6,173.00	88.68	59.37	3,967.71	738.51	2,391.67	2,492.99	0.87	-0.15	-0.85
6,235.00	88.86	59.81	3,969.05	769.89	2,445.13	2,554.36	0.77	0.29	0.71
6,296.00	89.08	58.93	3,970.14	800.96	2,497.61	2,614.71	1.49	0.36	-1.44
6,358.00	88.99	59.63	3,971.19	832.63	2,550.90	2,676.03	1.14	-0.15	1.13
6,419.00	88.68	56.73	3,972.43	864.78	2,602.72	2,736.17	4.78	-0.51	-4.75
6,481.00	88.20	54.71	3,974.11	899.69	2,653.93	2,796.80	3.35	-0.77	-3.26
6,541.00	90.57	58.14	3,974.76	932.86	2,703.90	2,855.63	6.95	3.95	5.72
6,605.00	90.18	58.23	3,974.34	966.60	2,758.29	2,918.75	0.63	-0.61	0.14
6,669.00	90.88	58.23	3,973.75	1,000.29	2,812.70	2,981.88	1.09	1.09	0.00
6,732.00	91.36	58.40	3,972.52	1,033.38	2,866.29	3,044.02	0.81	0.76	0.27
6,785.00	90.97	57.79	3,971.44	1,061.38	2,911.28	3,096.27	1.37	-0.74	-1.15
6,855.00	90.97	57.79	3,970.25	1,098.69	2,970.50	3,165.22	0.00	0.00	0.00

PTB 6855.00' MD/3970.25' TVD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,855.00	3,970.25	1,098.69	2,970.50	PTB 6855.00' MD/3970.25' TVD

Checked By: _____ Approved By: _____ Date: _____



Plan: Plan 14 (Carracas 32B 7/ST01)
Created By: Kurt Otto Date: 6:50, October 15 2022

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

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 153784

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 153784
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	10/27/2022