

Santa Fe Main Office
Phone: (505) 476-3441
General Information
Phone: (505) 629-6116

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

Online Phone Directory Visit:
<https://www.emnrd.nm.gov/ocd/contact-us/>

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

WELL API NO. 30-045-38338
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name San Juan 32-7 Unit
8. Well Number 202H
9. OGRID Number 372171
10. Pool name or Wildcat Basin Fruitland Coal (Gas)

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

1. Type of Well: Oil Well Gas Well Other

2. Name of Operator
Hilcorp Energy Company

3. Address of Operator
382 Road 3100, Aztec, NM 87410

4. Well Location
Unit Letter G : 2320' feet from the North line and 1859' feet from the East line
Section 18 Township 32N Range 07W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6181'

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	


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

Hilcorp Energy company requests, to revise the drilling plans for the above listed well. This well will now be drilled as a single lateral rather than the permitted dual. Please see the attached revised plat, technical plans and directional plans.

Spud Date:

Rig Release Date:

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

SIGNATURE  TITLE Operations/Regulatory Tech Sr. DATE 12/1/2025

Type or print name Amanda Walker E-mail address: mwalker@hilcorp.com PHONE: 346.237.2177

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any): _____

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type <input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
--	--	---

WELL LOCATION INFORMATION

API Number 30-045-38338	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code 318434	Property Name SAN JUAN 32-7 UNIT	Well Number 202H
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 6181'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
G	18	32N	7W		2320' NORTH	1859' EAST	36.981596 °N	-107.606040 °W	SAN JUAN

Bottom Hole Location

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
I	7	32N	7W		2617' SOUTH	1127' EAST	36.994941 °N	-107.602953 °W	SAN JUAN

Dedicated Acres 320.00	Penetrated Spacing Unit SE/4 - Section 7, T32N, R7W NE/4 - Section 18, T32N, R7W	Infill or Defining Well Defining	Defining Well API	Overlapping Spacing Unit <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Consolidation Code Unit
Order Numbers R-205 Unitized Area: SJ 32-7 Unit - Fruitland Coal			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
G	18	32N	7W		2320' NORTH	1859' EAST	36.981596 °N	-107.606040 °W	SAN JUAN

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
G	18	32N	7W		1874' NORTH	2190' EAST	36.982905 °N	-107.607264 °W	SAN JUAN

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
I	7	32N	7W		2617' SOUTH	1127' EAST	36.994941 °N	-107.602953 °W	SAN JUAN

Unitized Area or Area of Uniform Interest	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical <input type="checkbox"/> Directional	Ground Floor Elevation
---	--	------------------------

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Amanda Walker

Signature

12/1/2025

Date

Amanda Walker
Printed Name

mwalker@hilcorp.com
E-mail Address

SURVEYOR CERTIFICATION

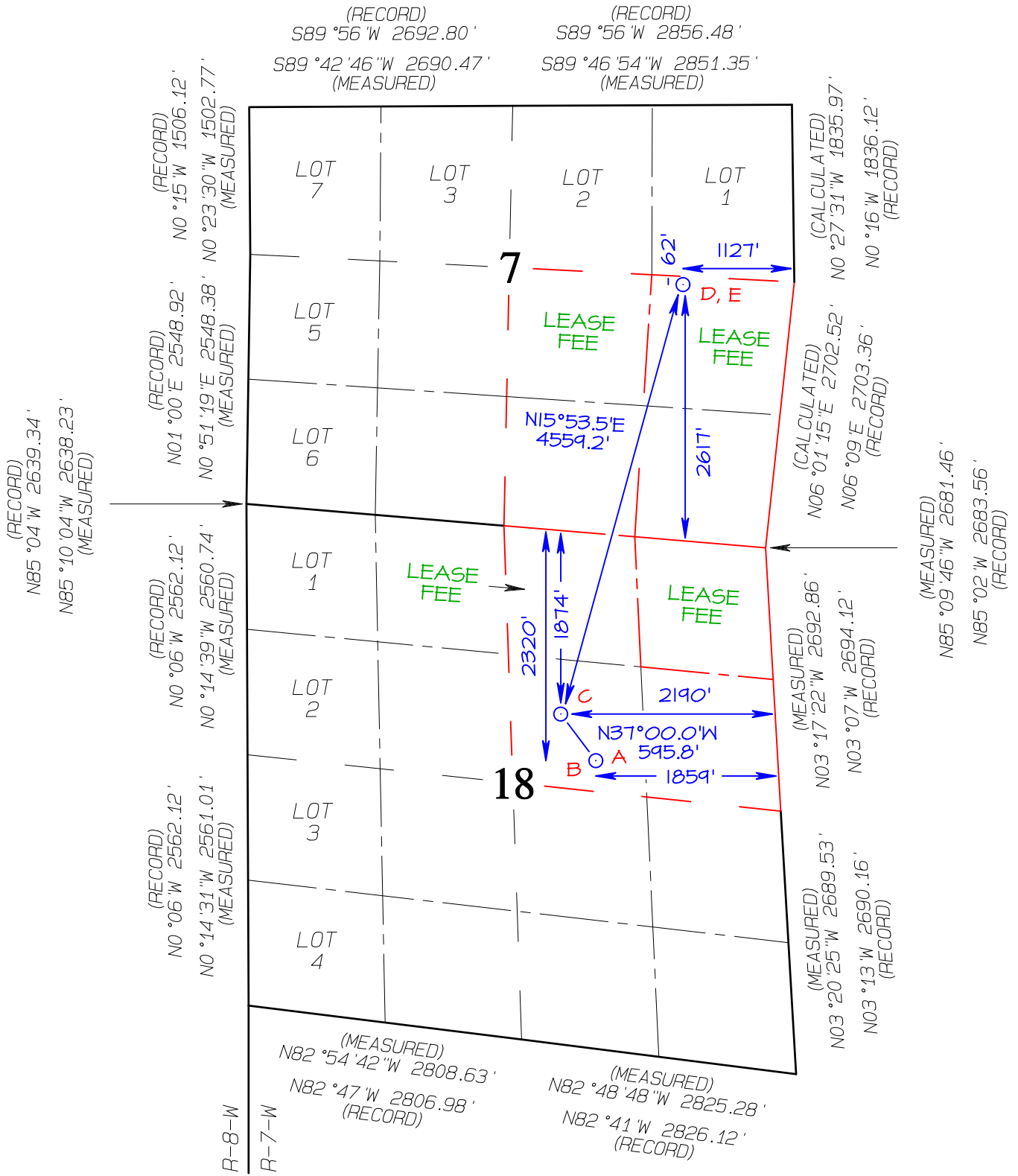
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



JASON C. EDWARDS

Signature and Seal of Professional Surveyor

Certificate Number 15269	Date of Survey SEPTEMBER 7, 2018
--------------------------	----------------------------------



SURFACE LOCATION (A)
 2320' FNL 1859' FEL
 SECTION 18, T32N, R7W
 LAT 36.981592°N
 LONG -107.605429°W
 DATUM NAD1927

KICK OFF POINT (B)
 2320' FNL 1859' FEL
 SECTION 18, T32N, R7W
 LAT 36.981592°N
 LONG -107.605429°W
 DATUM NAD1927

FIRST TAKE POINT (C)
 1874' FNL 2190' FEL
 SECTION 18, T32N, R7W
 LAT 36.982901°N
 LONG -107.606653°W
 DATUM NAD1927

LAST TAKE POINT (D)
 2617' FSL 1127' FEL
 SECTION 7, T32N, R7W
 LAT 36.994937°N
 LONG -107.602342°W
 DATUM NAD1927

BOTTOM HOLE (E)
 2617' FSL 1127' FEL
 SECTION 7, T32N, R7W
 LAT 36.994937°N
 LONG -107.602342°W
 DATUM NAD1927

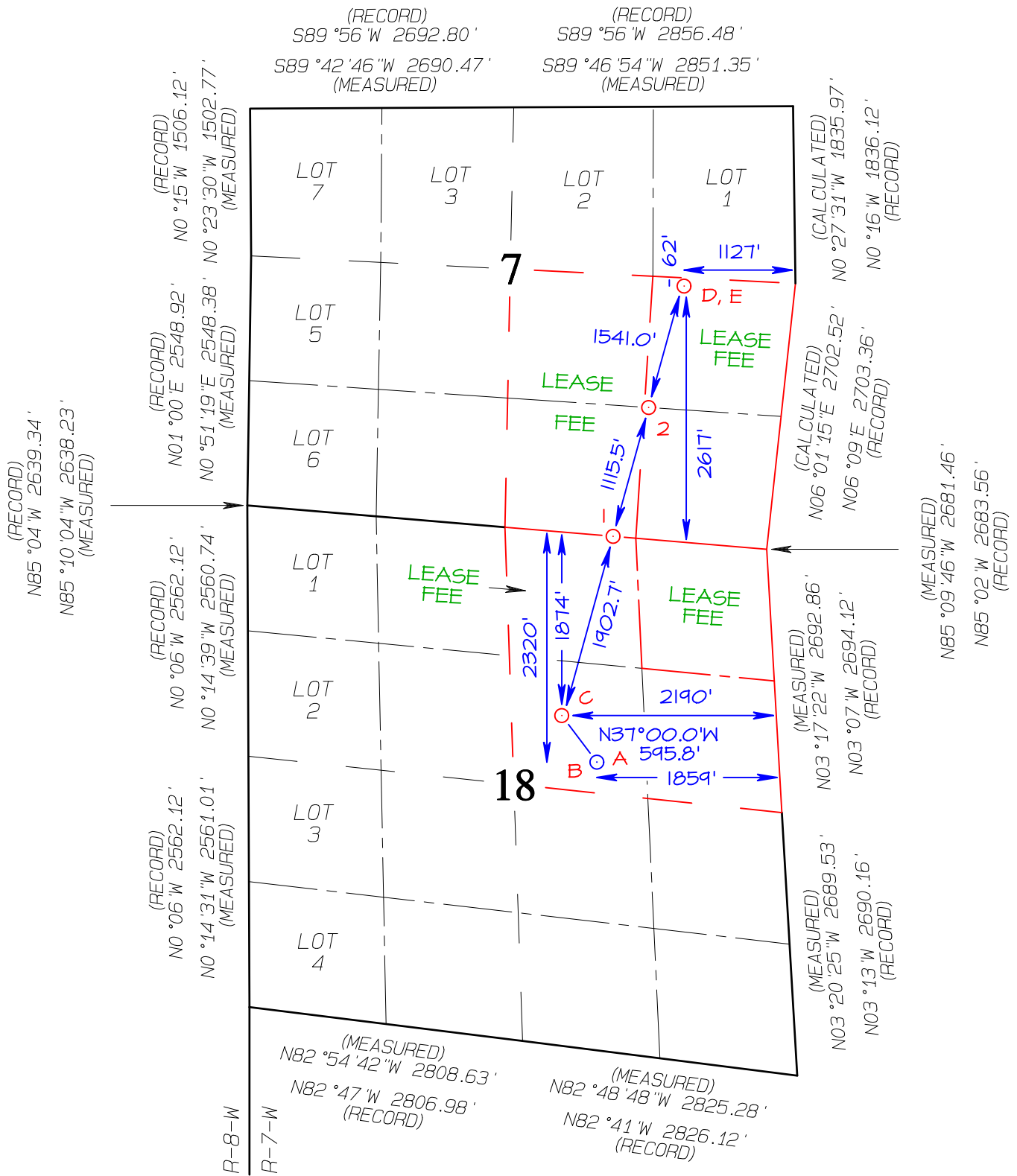
LAT 36.981596°N
 LONG -107.606040°W
 DATUM NAD1983

LAT 36.981596°N
 LONG -107.606040°W
 DATUM NAD1983

LAT 36.982905°N
 LONG -107.607264°W
 DATUM NAD1983

LAT 36.994941°N
 LONG -107.602953°W
 DATUM NAD1983

LAT 36.994941°N
 LONG -107.602953°W
 DATUM NAD1983



SURFACE LOCATION (A)
 2320' FNL 1859' FEL
 SECTION 18, T32N, R7W
 LAT 36.981592°N
 LONG -107.605429°W
 DATUM NAD1927

FIRST TAKE POINT (C)
 1874' FNL 2190' FEL
 SECTION 18, T32N, R7W
 LAT 36.982901°N
 LONG -107.606653°W
 DATUM NAD1927

LEASE X-ING (1)
 0' FNL 1564' FEL
 SECTION 18, T32N, R7W
 LAT 36.987924°N
 LONG -107.604854°W
 DATUM NAD1927

LEASE X-ING (2)
 1099' FSL 1393' FEL
 SECTION 7, T32N, R7W
 LAT 36.990869°N
 LONG -107.603799°W
 DATUM NAD1927

LAST TAKE POINT (D)
 2617' FSL 1127' FEL
 SECTION 7, T32N, R7W
 LAT 36.994937°N
 LONG -107.602342°W
 DATUM NAD1927

LAT 36.981596°N
 LONG -107.606040°W
 DATUM NAD1983

LAT 36.982905°N
 LONG -107.607264°W
 DATUM NAD1983

LAT 36.987928°N
 LONG -107.605465°W
 DATUM NAD1983

LAT 36.990873°N
 LONG -107.604410°W
 DATUM NAD1983

LAT 36.994941°N
 LONG -107.602953°W
 DATUM NAD1983



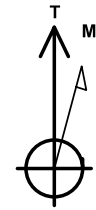
Company: Hilcorp Energy - San Juan Basin
 Project: San Juan, NM NAD27
 Site: San Juan 32-7 Unit 202H Pad
 Well: San Juan 32-7 Unit 202H
 Wellbore: Pilot
 Design: Plan #2



Well Details: San Juan 32-7 Unit 202H

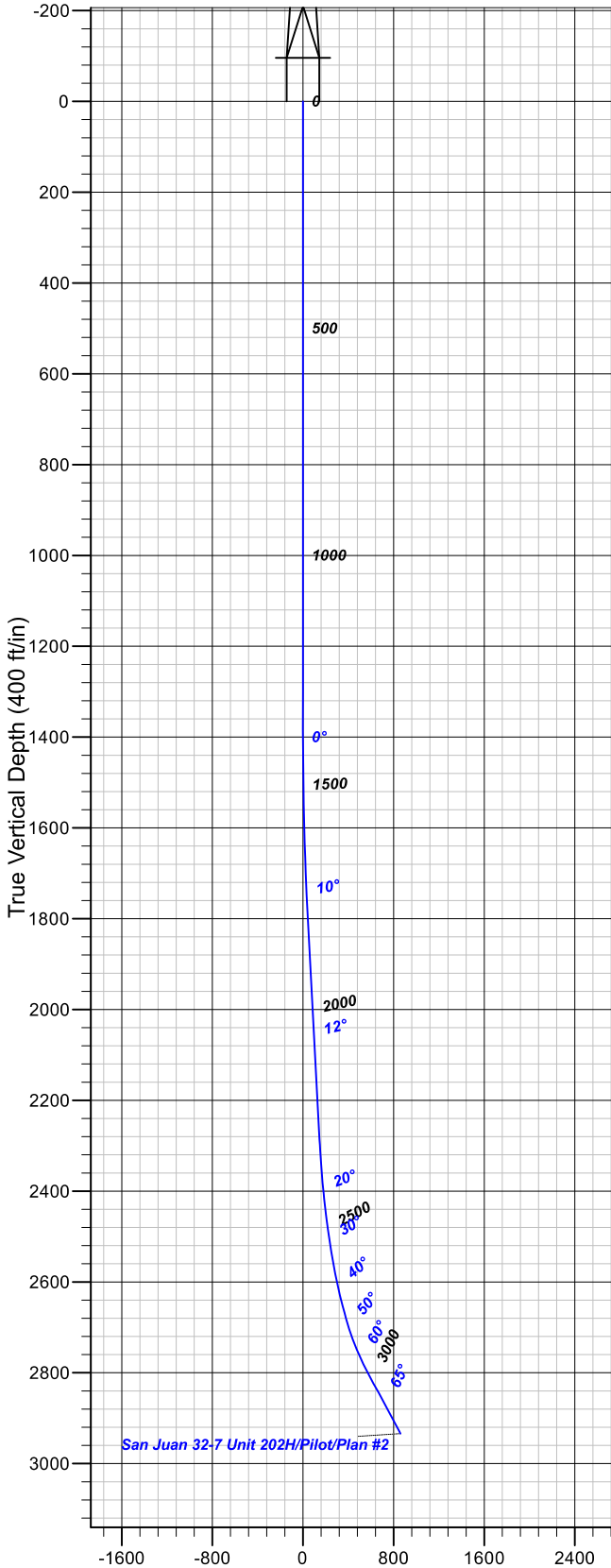
GL 6181' & RKB 17' @ 6198.00ft (Drake 3)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	2176647.70	566567.60	36.981592	-107.605429	

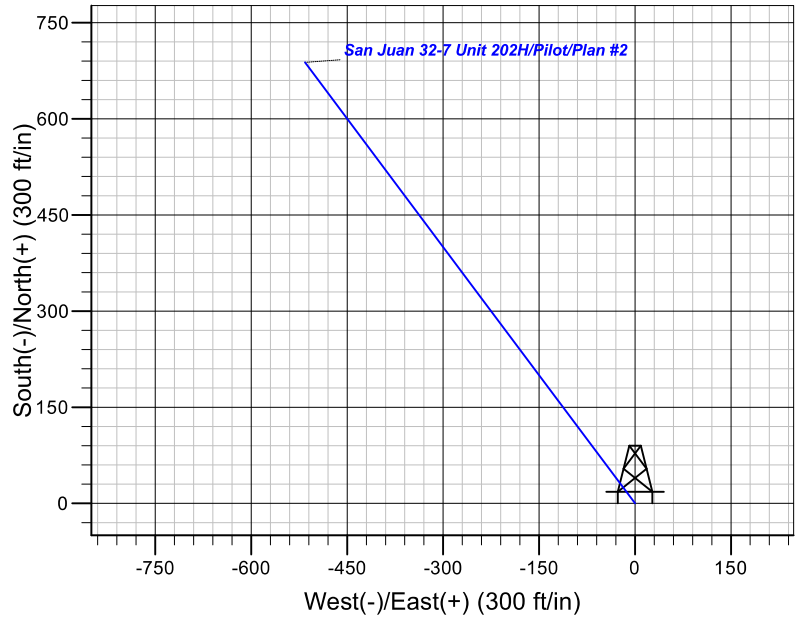


Azimuths to True North
 Magnetic North: 8.65°

Magnetic Field
 Strength: 49367.6nT
 Dip Angle: 63.32°
 Date: 1/5/2024
 Model: HDGM2024



Vertical Section at 323.137° (1600 ft/in)



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1693.00	1694.16	Ojo Alamo
1881.00	1885.79	Kirtland
2619.00	2678.40	Fruitland Coal
2849.00	3110.75	Top Big Blue
2864.00	3146.24	Base Big Blue

Plan: Plan #2
11:57, November 10 2025 Created By: Janie Collins
PROJECT DETAILS: San Juan, NM NAD27
Geodetic System: US State Plane 1927 (Exact solution) Datum: NAD 1927 (NADCON CONUS) Ellipsoid: Clarke 1866 Zone: New Mexico West 3003
System Datum: Mean Sea Level

SECTION DETAILS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
1400.00	0.00	0.000	1400.00	0.00	0.00	0.00	0.00	0.00
1800.00	12.00	323.137	1797.08	33.39	-25.04	3.00	323.14	41.74
2300.00	12.00	323.137	2286.16	116.56	-87.40	0.00	0.00	145.69
2962.50	65.00	323.137	2786.35	434.89	-326.08	8.00	0.00	543.56
3311.88	65.00	323.137	2934.00	688.23	-516.04	0.00	0.00	860.20

DESIGN TARGET DETAILS
No target data is available.

CASING DETAILS
No casing data is available



Hilcorp Energy - San Juan Basin

San Juan, NM NAD27
San Juan 32-7 Unit 202H Pad
San Juan 32-7 Unit 202H

Pilot

Plan: Plan #2

Standard Planning Report

10 November, 2025



www.scientificdrilling.com





Scientific Drilling
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well San Juan 32-7 Unit 202H
Company:	Hilcorp Energy - San Juan Basin	TVD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Project:	San Juan, NM NAD27	MD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Site:	San Juan 32-7 Unit 202H Pad	North Reference:	True
Well:	San Juan 32-7 Unit 202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pilot		
Design:	Plan #2		

Project	San Juan, NM NAD27		
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	San Juan 32-7 Unit 202H Pad				
Site Position:	Northing:	2,182,139.31 usft	Latitude:	36.996682	
From: Map	Easting:	565,685.99 usft	Longitude:	-107.608403	
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	0.14 °

Well	San Juan 32-7 Unit 202H					
Well Position	+N/-S	-5,493.69 ft	Northing:	2,176,647.70 usft	Latitude:	36.981592
	+E/-W	868.63 ft	Easting:	566,567.60 usft	Longitude:	-107.605429
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	6,181.00 ft

Wellbore	Pilot				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	1/5/2024	8.65	63.32	49,367.60000000

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	323.137

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	12.00	323.137	1,797.08	33.39	-25.04	3.00	3.00	0.00	323.14	
2,300.00	12.00	323.137	2,286.16	116.56	-87.40	0.00	0.00	0.00	0.00	
2,962.50	65.00	323.137	2,786.35	434.89	-326.08	8.00	8.00	0.00	0.00	
3,311.88	65.00	323.137	2,934.00	688.23	-516.04	0.00	0.00	0.00	0.00	



Scientific Drilling
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well San Juan 32-7 Unit 202H
Company:	Hilcorp Energy - San Juan Basin	TVD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Project:	San Juan, NM NAD27	MD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Site:	San Juan 32-7 Unit 202H Pad	North Reference:	True
Well:	San Juan 32-7 Unit 202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pilot		
Design:	Plan #2		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	3.00	323.137	1,499.95	2.09	-1.57	2.62	3.00	3.00	0.00	
1,600.00	6.00	323.137	1,599.63	8.37	-6.28	10.46	3.00	3.00	0.00	
1,700.00	9.00	323.137	1,698.77	18.81	-14.11	23.51	3.00	3.00	0.00	
1,800.00	12.00	323.137	1,797.08	33.39	-25.04	41.74	3.00	3.00	0.00	
1,900.00	12.00	323.137	1,894.90	50.03	-37.51	62.53	0.00	0.00	0.00	
2,000.00	12.00	323.137	1,992.71	66.66	-49.98	83.32	0.00	0.00	0.00	
2,100.00	12.00	323.137	2,090.53	83.29	-62.45	104.11	0.00	0.00	0.00	
2,200.00	12.00	323.137	2,188.34	99.93	-74.93	124.90	0.00	0.00	0.00	
2,300.00	12.00	323.137	2,286.16	116.56	-87.40	145.69	0.00	0.00	0.00	
2,400.00	20.00	323.137	2,382.20	138.60	-103.92	173.23	8.00	8.00	0.00	
2,500.00	28.00	323.137	2,473.48	171.11	-128.30	213.87	8.00	8.00	0.00	
2,600.00	36.00	323.137	2,558.22	213.48	-160.07	266.82	8.00	8.00	0.00	
2,700.00	44.00	323.137	2,634.76	264.86	-198.60	331.05	8.00	8.00	0.00	
2,800.00	52.00	323.137	2,701.62	324.27	-243.14	405.30	8.00	8.00	0.00	
2,900.00	60.00	323.137	2,757.50	390.55	-292.83	488.14	8.00	8.00	0.00	
2,962.50	65.00	323.137	2,786.35	434.89	-326.08	543.56	8.00	8.00	0.00	
3,000.00	65.00	323.137	2,802.19	462.08	-346.47	577.54	0.00	0.00	0.00	
3,100.00	65.00	323.137	2,844.46	534.59	-400.84	668.18	0.00	0.00	0.00	
3,200.00	65.00	323.137	2,886.72	607.10	-455.21	758.81	0.00	0.00	0.00	
3,300.00	65.00	323.137	2,928.98	679.61	-509.58	849.44	0.00	0.00	0.00	
3,311.88	65.00	323.137	2,934.00	688.23	-516.04	860.20	0.00	0.00	0.00	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,694.16	1,693.00	Ojo Alamo		0.00	0.000	
1,885.79	1,881.00	Kirtland		0.00	0.000	
2,678.40	2,619.00	Fruitland Coal		0.00	0.000	
3,110.75	2,849.00	Top Big Blue		0.00	0.000	
3,146.24	2,864.00	Base Big Blue		0.00	0.000	



San Juan 32-7 Unit 202H
Lateral 1
Plan #2

PROJECT DETAILS: San Juan, NM NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level



GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Northing Easting Latitude Longitude
2176647.70 566567.60 36.981592 -107.605429

PLAN DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect	Annotation
3020.00	65.00	323.137	2810.65	476.58	-357.34	0.00	403.39	
3231.21	90.00	323.137	2856.00	640.26	-480.07	11.84	541.92	
4734.57	90.00	28.567	2856.04	2059.52	-583.00	4.35	1918.58	
4750.32	90.27	27.939	2856.00	2073.39	-575.54	4.35	1933.58	
7902.88	90.27	27.939	2841.00	4858.47	901.53	0.00	4941.40	

Plan: Plan #2 (San Juan 32-7 Unit 202H/Lateral 1)

Created By: Janie Collins Date: 12:15, November 10 2025

Azimuths to True North
Magnetic North: 8.65°

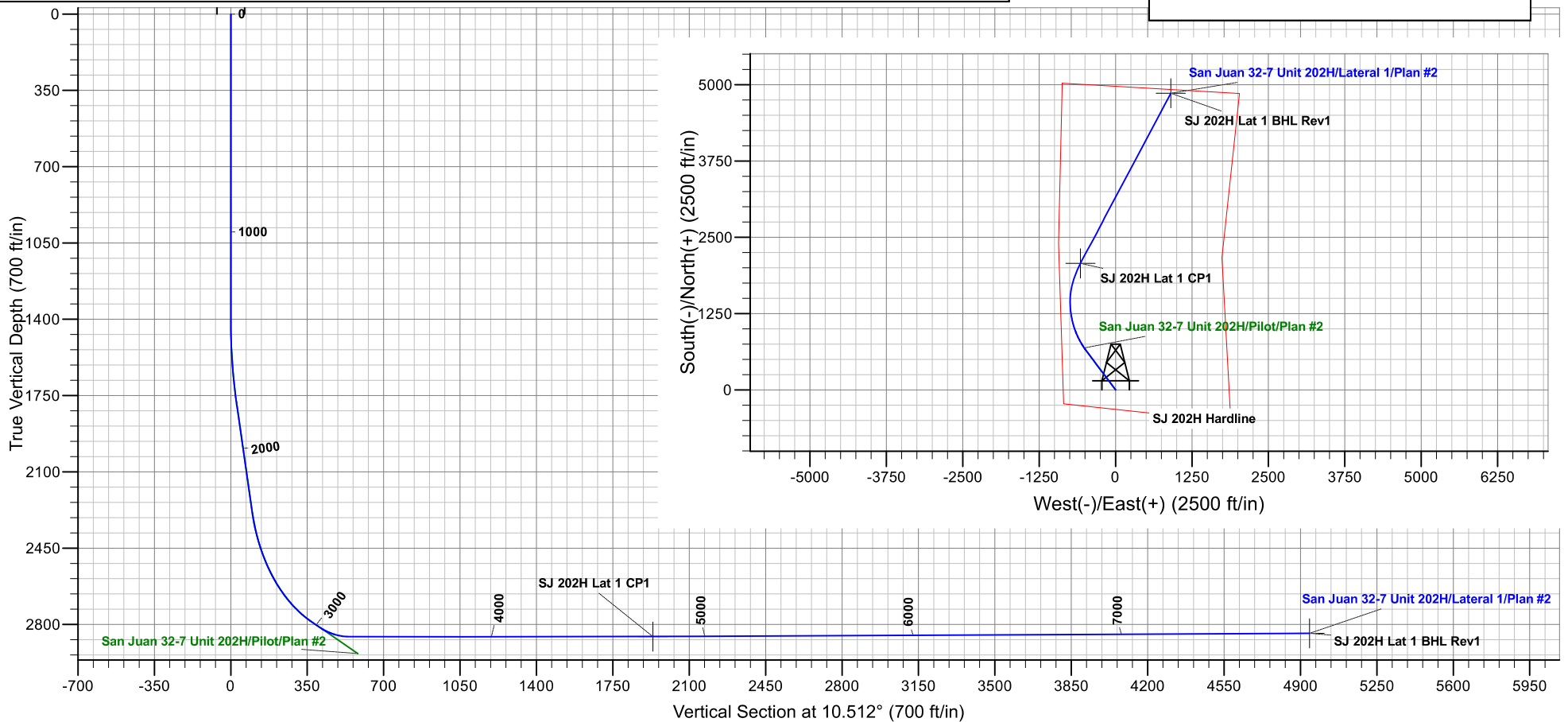
Magnetic Field
Strength: 49367.6nT
Dip Angle: 63.32°
Date: 1/5/2024
Model: HDGM2024

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SJ 202H Lat 1 CP1	2856.00	2073.39	-575.54	2178719.70	565987.10	36.987287	-107.607400
SJ 202H Lat 1 BHL Rev1	2841.00	4858.47	901.53	2181508.30	567457.50	36.994937	-107.602342

CASING DETAILS

No casing data is available





Hilcorp Energy - San Juan Basin

San Juan, NM NAD27
San Juan 32-7 Unit 202H Pad
San Juan 32-7 Unit 202H

Lateral 1

Plan: Plan #2

Standard Planning Report

10 November, 2025



www.scientificdrilling.com





Scientific Drilling
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well San Juan 32-7 Unit 202H
Company:	Hilcorp Energy - San Juan Basin	TVD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Project:	San Juan, NM NAD27	MD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Site:	San Juan 32-7 Unit 202H Pad	North Reference:	True
Well:	San Juan 32-7 Unit 202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral 1		
Design:	Plan #2		

Project	San Juan, NM NAD27		
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	San Juan 32-7 Unit 202H Pad				
Site Position:	Northing:	2,182,139.31 usft	Latitude:	36.996682	
From: Map	Easting:	565,685.99 usft	Longitude:	-107.608403	
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	0.14 °

Well	San Juan 32-7 Unit 202H					
Well Position	+N/-S	-5,493.69 ft	Northing:	2,176,647.70 usft	Latitude:	36.981592
	+E/-W	868.63 ft	Easting:	566,567.60 usft	Longitude:	-107.605429
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	6,181.00 ft

Wellbore	Lateral 1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	1/5/2024	8.65	63.32	49,367.60000000

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	3,020.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	10.512

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
3,020.00	65.00	323.137	2,810.65	476.58	-357.34	0.00	0.00	0.00	0.00	
3,231.21	90.00	323.137	2,856.00	640.26	-480.07	11.84	11.84	0.00	0.00	
4,734.57	90.00	28.567	2,856.04	2,059.52	-583.00	4.35	0.00	4.35	90.00	
4,750.32	90.27	27.939	2,856.00	2,073.39	-575.54	4.35	1.75	-3.99	-66.33	SJ 202H Lat 1 CP1
7,902.88	90.27	27.939	2,841.00	4,858.47	901.53	0.00	0.00	0.00	0.00	SJ 202H Lat 1 BHL R



Scientific Drilling
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well San Juan 32-7 Unit 202H
Company:	Hilcorp Energy - San Juan Basin	TVD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Project:	San Juan, NM NAD27	MD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Site:	San Juan 32-7 Unit 202H Pad	North Reference:	True
Well:	San Juan 32-7 Unit 202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral 1		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,020.00	65.00	323.137	2,810.65	476.58	-357.34	403.39	0.00	0.00	0.00
3,100.00	74.47	323.137	2,838.32	536.56	-402.31	454.15	11.84	11.84	0.00
3,200.00	86.31	323.137	2,854.99	615.30	-461.36	520.80	11.84	11.84	0.00
3,231.21	90.00	323.137	2,856.00	640.26	-480.07	541.92	11.84	11.84	0.00
3,300.00	90.00	326.131	2,856.00	696.34	-519.88	589.81	4.35	0.00	4.35
3,400.00	90.00	330.483	2,856.00	781.41	-572.40	663.86	4.35	0.00	4.35
3,500.00	90.00	334.835	2,856.00	870.22	-618.32	742.80	4.35	0.00	4.35
3,600.00	90.00	339.188	2,856.00	962.25	-657.36	826.17	4.35	0.00	4.35
3,700.00	90.00	343.540	2,856.00	1,056.99	-689.31	913.49	4.35	0.00	4.35
3,800.00	90.00	347.892	2,856.01	1,153.87	-713.98	1,004.24	4.35	0.00	4.35
3,900.00	90.00	352.244	2,856.01	1,252.35	-731.22	1,097.92	4.35	0.00	4.35
4,000.00	90.00	356.597	2,856.01	1,351.85	-740.94	1,193.98	4.35	0.00	4.35
4,100.00	90.00	0.949	2,856.01	1,451.81	-743.08	1,291.87	4.35	0.00	4.35
4,200.00	90.00	5.301	2,856.02	1,551.63	-737.63	1,391.01	4.35	0.00	4.35
4,300.00	90.00	9.654	2,856.02	1,650.76	-724.62	1,490.85	4.35	0.00	4.35
4,400.00	90.00	14.006	2,856.02	1,748.61	-704.13	1,590.80	4.35	0.00	4.35
4,500.00	90.00	18.358	2,856.03	1,844.63	-676.27	1,690.29	4.35	0.00	4.35
4,600.00	90.00	22.710	2,856.03	1,938.25	-641.20	1,788.74	4.35	0.00	4.35
4,700.00	90.00	27.063	2,856.04	2,028.94	-599.13	1,885.58	4.35	0.00	4.35
4,734.57	90.00	28.567	2,856.04	2,059.52	-583.00	1,918.58	4.35	0.00	4.35
4,750.32	90.27	27.939	2,856.00	2,073.39	-575.54	1,933.58	4.35	1.75	-3.99
4,800.00	90.27	27.939	2,855.76	2,117.28	-552.26	1,980.99	0.00	0.00	0.00
4,900.00	90.27	27.939	2,855.29	2,205.62	-505.41	2,076.40	0.00	0.00	0.00
5,000.00	90.27	27.939	2,854.81	2,293.97	-458.56	2,171.80	0.00	0.00	0.00
5,100.00	90.27	27.939	2,854.34	2,382.31	-411.70	2,267.21	0.00	0.00	0.00
5,200.00	90.27	27.939	2,853.86	2,470.65	-364.85	2,362.62	0.00	0.00	0.00
5,300.00	90.27	27.939	2,853.38	2,559.00	-318.00	2,458.03	0.00	0.00	0.00
5,400.00	90.27	27.939	2,852.91	2,647.34	-271.14	2,553.44	0.00	0.00	0.00
5,500.00	90.27	27.939	2,852.43	2,735.68	-224.29	2,648.85	0.00	0.00	0.00
5,600.00	90.27	27.939	2,851.96	2,824.03	-177.44	2,744.26	0.00	0.00	0.00
5,700.00	90.27	27.939	2,851.48	2,912.37	-130.58	2,839.67	0.00	0.00	0.00
5,800.00	90.27	27.939	2,851.01	3,000.71	-83.73	2,935.07	0.00	0.00	0.00
5,900.00	90.27	27.939	2,850.53	3,089.06	-36.88	3,030.48	0.00	0.00	0.00
6,000.00	90.27	27.939	2,850.05	3,177.40	9.97	3,125.89	0.00	0.00	0.00
6,100.00	90.27	27.939	2,849.58	3,265.74	56.83	3,221.30	0.00	0.00	0.00
6,200.00	90.27	27.939	2,849.10	3,354.09	103.68	3,316.71	0.00	0.00	0.00
6,300.00	90.27	27.939	2,848.63	3,442.43	150.53	3,412.12	0.00	0.00	0.00
6,400.00	90.27	27.939	2,848.15	3,530.78	197.39	3,507.53	0.00	0.00	0.00
6,500.00	90.27	27.939	2,847.67	3,619.12	244.24	3,602.94	0.00	0.00	0.00
6,600.00	90.27	27.939	2,847.20	3,707.46	291.09	3,698.34	0.00	0.00	0.00
6,700.00	90.27	27.939	2,846.72	3,795.81	337.95	3,793.75	0.00	0.00	0.00
6,800.00	90.27	27.939	2,846.25	3,884.15	384.80	3,889.16	0.00	0.00	0.00
6,900.00	90.27	27.939	2,845.77	3,972.49	431.65	3,984.57	0.00	0.00	0.00
7,000.00	90.27	27.939	2,845.30	4,060.84	478.51	4,079.98	0.00	0.00	0.00
7,100.00	90.27	27.939	2,844.82	4,149.18	525.36	4,175.39	0.00	0.00	0.00
7,200.00	90.27	27.939	2,844.34	4,237.52	572.21	4,270.80	0.00	0.00	0.00
7,300.00	90.27	27.939	2,843.87	4,325.87	619.06	4,366.21	0.00	0.00	0.00
7,400.00	90.27	27.939	2,843.39	4,414.21	665.92	4,461.61	0.00	0.00	0.00
7,500.00	90.27	27.939	2,842.92	4,502.55	712.77	4,557.02	0.00	0.00	0.00
7,600.00	90.27	27.939	2,842.44	4,590.90	759.62	4,652.43	0.00	0.00	0.00
7,700.00	90.27	27.939	2,841.97	4,679.24	806.48	4,747.84	0.00	0.00	0.00
7,800.00	90.27	27.939	2,841.49	4,767.58	853.33	4,843.25	0.00	0.00	0.00
7,900.00	90.27	27.939	2,841.01	4,855.93	900.18	4,938.66	0.00	0.00	0.00
7,902.88	90.27	27.939	2,841.00	4,858.47	901.53	4,941.40	0.00	0.00	0.00



Scientific Drilling
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well San Juan 32-7 Unit 202H
Company:	Hilcorp Energy - San Juan Basin	TVD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Project:	San Juan, NM NAD27	MD Reference:	GL 6181' & RKB 17' @ 6198.00ft (Drake 3)
Site:	San Juan 32-7 Unit 202H Pad	North Reference:	True
Well:	San Juan 32-7 Unit 202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral 1		
Design:	Plan #2		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
SJ 202H Lat 1 BHL Rev - plan hits target center - Point	0.00	0.139	2,841.00	4,858.47	901.53	2,181,508.30	567,457.50	36.994937	-107.602342
SJ 202H Lat 1 CP1 - plan hits target center - Point	0.00	0.136	2,856.00	2,073.39	-575.54	2,178,719.70	565,987.10	36.987287	-107.607400

San Juan County, NM

San Juan 32-7 Unit 202H



Technical Drilling Plan (Rev. 1)

Hilcorp Energy Company proposes to drill and complete the referenced horizontal well targeting a coal seam in the Fruitland formation.

Note: This technical drilling plan will be adjusted based upon actual conditions.

1. Location

Date:	November 19, 2025	Pool:	Fruitland Coal
Well Name:	San Juan 32-7 Unit 202H	Ground Elevation (ft. MSL):	6,181'
Surface Hole Location:	36.981592° N, 107.605429° W	Total Depth (ft. TMD/TVD)	7,903' / 2,841'
Bottom Hole Location:	36.994937° N, 107.602342° W	County, State:	San Juan County, NM

Note: All geographic coordinates on the drilling tech plan and the directional drilling plan refer to NAD 27 geodetic coordinate system. All depths on the drilling tech plan and the directional drilling plan are referenced from an estimated RKB datum of 17' above ground level.

2. Geological Markers

Anticipated formation tops with comments of any possible water, gas or oil shows are indicated below:

Formation	Depth (ft. TVD)	Remarks
Ojo Alamo	1,693	Water (fresh/useable)
Kirtland	1,881	None
Fruitland Coal	2,619	Gas, Water
Pictured Cliffs	3,034	None

San Juan County, NM

San Juan 32-7 Unit 202H



3. Pressure Control Equipment

A. BOP Equipment

See Appendix A for BOP equipment and choke manifold diagram.

- BOP equipment will be nipped up on top of the wellhead after surface casing is set and cemented.
- Pressure control configurations will be designed to meet the minimum 2M standards.
- All equipment will have 3M pressure rating at a minimum.
- A rotating head will be installed on top of the annular as seen in the attached diagram.

B. BOP Pressure Testing

- For all BOP pressure testing, a test unit with a chart recorder and a BOP test plug will be utilized.
- All tests and inspections will be recorded and logged with time and results.
- A full BOP pressure test will be conducted when initially installed or if a seal subject to test pressure is broken, following related repairs, and at a minimum in 30-day intervals.
- **The New Mexico Oil & Gas Conservation Division and the BLM will be notified 24 hours in advance of pressure testing BOPE.**
- The BOPE will be tested to **250 psi (Low) for 5 minutes and 3,000 psi (High) for 10 minutes.**

C. BOP Function Testing

- Annular preventors will be functionally tested at least once per week.
- Pipe and blind rams will be function tested each trip.

D. Casing Pressure Testing

- For all casing pressure testing, a test unit with a chart recorder will be utilized.
- **Surface casing will be pressure tested to 600 psi for 30 minutes.**
- **Intermediate casing will be pressure tested to 1,500 psi for 30 minutes.**



4. Casing Program

A. Proposed Casing Program:

Proposed Casing Design							
Casing String	Hole Size	Casing (size/weight/grade)	Top Depth (MD/TVD)	Btm. Depth (MD/TVD)	Collapse	Burst	Tensile
Surface	12-1/4"	9-5/8"-32.3#-H40 (or equiv.)-LTC/BTC	0'	300'/300'	1,370 psi	2,270 psi	254 klbs
Intermediate	8-3/4"	7"-23#-J55 (or equiv.)-LTC/BTC	0'	3,270'/2,916'	3,270 psi	4,360 psi	366 klbs
Intermediate Shoe Joint	8-3/4"	5-1/2"-15.5#-J55 (or equiv.)-LTC/BTC	3,270'/2,916'	3,312'/2,929'	4,040 psi	4,810 psi	217 klbs
Production Liner (Pre-Perforated)	6-1/4"	4-1/2"-11.6#-J55 (or equiv.)-LTC/BTC	3,030'/2,815'	7,903'/2,841'	4,960 psi	5,350 psi	184 klbs

Proposed Casing Design Safety Factors				
Casing String	Burst Design SF	Collapse Design SF	Joint Tensile Design SF	Connection Tensile Design SF
Surface	16.2	12.4	43.7	30.4
Intermediate	3.0	2.8	5.7	6.7
Int. Shoe Joint	3.3	3.5	5.8	5.1
Production	3.6	4.2	2.4	2.9

B. Casing Design Parameters & Calculations (designed for full wellbore evacuation):

- Mud Weights used for calculations:

Surface:	9.0 ppg	Intermediate:	9.5 ppg	Production:	10.0 ppg
-----------------	---------	----------------------	---------	--------------------	----------

- Minimum Acceptable Safety Factors:

Burst:	1.15	Collapse:	1.15	Tensile:	1.50
---------------	------	------------------	------	-----------------	------

- Casing Safety Factor Calculations:

$$\text{Casing Burst Safety Factor} = \frac{\text{Casing Burst Rating (psi)}}{\text{Maximum Mud Weight (ppg)} \times \text{TVD (ft)} \times 0.052}$$

$$\text{Casing Collapse Safety Factor} = \frac{\text{Hydrostatic of Mud Weight in Annulus (psi)} - \left[\text{TVD of Casing Shoe (ft)} \times 0.10 \frac{\text{psi}}{\text{ft}} \right]}{\text{Tensile Rating of Casing String (lbs)}}$$

$$\text{Tensile Safety Factor} = \frac{\text{Tensile Rating of Casing String (lbs)}}{\text{Measured Depth of Casing (ft)} \times \text{Casing Weight} \frac{\text{lb}}{\text{ft}} \times \text{Drilling Fluid Bouyancy Factor}}$$

Production Casing Notes:

- The pre-perforated production liner will be dropped off in the open hole (uncemented). The top of the production liner will be ~10' outside of the casing exit (no overlap between the liner and 7" casing).
- The production liner length and setting depth depending on final TD of the 6-1/4" hole section.
- The 7" casing will be set across the setback boundary line and with the casing shoe within the drill block.

San Juan County, NM

San Juan 32-7 Unit 202H



5. Proposed Centralizer Program:

Proposed Centralizer Program	
Casing String	Centralizers & Placement
Surface Casing	1 centralizer per joint on bottom 3 joints.
Intermediate Casing	1 centralizer per joint in shoe track with lock collars. 1 centralizer every other joint on bottom 10 joints. 1 centralizer every 3 rd joint up to the base of Ojo Alamo. 1 centralizer per joint from base of Ojo Alamo to the top of the Ojo Alamo. 1 centralizer every 3 rd joint from top of Ojo Alamo to surface.
Production Casing	N/A

6. Proposed Cement Program:

Proposed Cement Design								
Interval	Depth (ft. MD)	Lead/Tail	Volume (ft ³)	Sacks	Excess (%)	Slurry	Density (ppg)	Planned TOC
Surface	300'	Lead	188 ft ³	136	100%	Class G Cement Yield: 1.38 ft ³ /sk	14.6	Surface
		Slurry Additives: CaCl (1%), Cello Flake (0.25 lb/sk), CD-2 (0.2%)						
Intermediate	3,312'	Lead	619 ft ³	121	50%	ASTM Type IL Yield: 5.12 ft ³ /sk	9.5	Surface
		Slurry Additives: FL-24 (0.5%), FL-66 (0.5%), IntegraGuard GW-86 (0.2%), IntegraSeal PHENO (2.0 lb/sk), IntegraSeal POLI (0.25 lb/sk), LW-5E (50.0%), R-3 (0.4%), S-8 Silica Flour (35.0%), XCem-311 (0.3%)						
		Tail	113 ft ³	82	50%	ASTM Type IL Yield: 1.38 ft ³ /sk	14.6	2,812'
		Slurry Additives: CaCl ₂ (3.0%), Celloflake (0.25 lb/sk), LCM-1 (5 ppm), FL-52 (0.4%), Bentonite (8%), SMS (0.4%)						
Production	7,903'	N/A	N/A	N/A	N/A	N/A – Uncemented pre-perforated liner.	N/A	N/A

Cement Program Notes:

- The cement slurry additives may be adjusted to accommodate required pump and compressive test times.
- Actual cement volumes will be determined and may be adjusted onsite based on well conditions.
- For the intermediate hole section, a 2-stage or 3-stage cement job may be performed if hole conditions dictate. If needed, the stage tool(s) will be placed appropriately.
- Cement will be circulated to surface on surface and intermediate casing sections to protect water bearing zones.
- A minimum of 8 hours of wait on cement time will be observed on each hole section to allow adequate time for cement to achieve a minimum of 500 psi of compressive strength. The BOP will not be nipped down, the wellhead will not be installed, the casing will not be tested and the prior casing shoe will not be drilled out until adequate wait on cement time has been observed (8 hours or time to reach 500 psi compressive strength).

San Juan County, NM

San Juan 32-7 Unit 202H

Hilcorp Energy Company

7. Drilling Fluids Program

A. Proposed Drilling Fluids Program:

Proposed Drilling Fluids Program					
Interval	Fluid Type	Density (ppg)	Fluid Loss (mL/30 min)	Maximum Chlorides (ppm)	Depth (ft. MD)
Surface	Water/Gel	8.4 – 9.2	NC	1,000	0' – 300'
Intermediate	LSND / Gel	8.4 – 9.2	6-16	5,000	300' – 3,312'
Production	LSND / Gel	8.4 – 9.2	6-16	5,000	3,020' – 7,903'

Drilling Fluids Notes:

- In the 6-1/4" production hole section, CaCl₂ brine will only be utilized if a weighting agent is necessary for either well control or wellbore stability.
- Lost circulation material may be added to the mud systems to manage fluid losses as hole conditions dictate.
- The well will be drilled utilizing a closed-loop circulating system. Drill cuttings for all hole sections will be transported to an approved disposal site.
- Estimated total volume of drill cuttings for disposal: 491 bbls (2,758 ft³).

8. Estimated Pressures & Drilling Hazards

A. Estimated Pressures

- Fruitland Coal: 650 – 750 psi
- Pictured Cliffs: 780 psi
- No abnormal temperatures or drilling hazards are anticipated.
- Maximum anticipated surface pressure is 500 psi.

B. Water Flows

- Water flows are possible in the intermediate section. Water flows will be mitigated with increased mud weight.

C. Lost Circulation

- Lost circulation is possible in the intermediate and production sections. Losses will be mitigated by utilizing LCM in the mud system.

D. Hydrogen Sulfide

- No hydrogen sulfide is expected to be encountered based on nearby well production.

San Juan County, NM

San Juan 32-7 Unit 202H



9. Pilot Hole

- The 8-3/4" hole will serve as a pilot hole. The hole section will be drilled to a measured depth of 3,312' and cased with 7" casing. A whipstock will be set at ~3,020' to enable a window to be cut into the 7" casing and the 6-1/4" production hole to be drilled. After dropping off the pre-perforated liner in the production section, the whipstock will be retrieved.

10. Testing, Logging, Coring

A. Mud Logging

- Mud loggers will collect formation samples every 60' from the surface casing shoe to both the TD of the pilot hole and TD of the production hole.

B. MWD

- Measurement while drilling tools will be utilized from the surface casing shoe to TD of the production hole to measure and record inclination and azimuth.

C. LWD

- Logging while drilling tools (gamma ray) will be utilized in the intermediate section from the surface casing shoe to the pilot hole section TD.
- Logging while drilling tools (gamma ray) will be utilized while drilling the production section from the intermediate casing kick-off to the production hole section TD to assist in staying in the desired coal seam while drilling the lateral section.

D. Open Hole Logging

- There are no plans to open hole log the well.

E. Coring & Formation Testing

- There are no plans for coring or formation testing.

F. Cased Hole Logging

- The 7" intermediate casing will be cemented to surface to protect water bearing zones. If cement is not circulated to surface on the intermediate cement job, a cement bod log will be run to verify top of cement.

San Juan County, NM

San Juan 32-7 Unit 202H



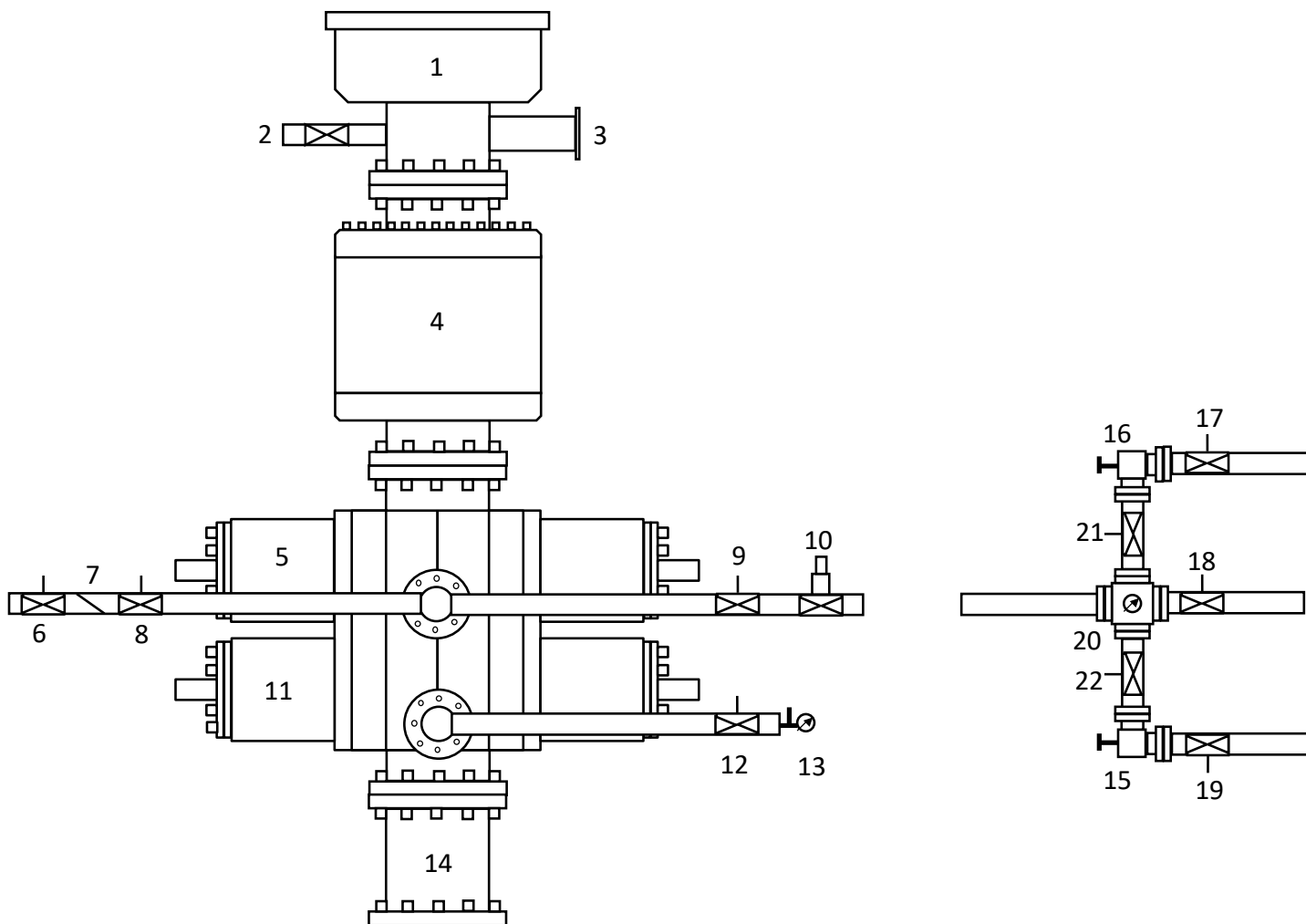
Hilcorp Energy Company

11. Directional Drilling Plan

- The well is planned as a directional wellbore. Surveys will be monitored to ensure adherence to the planned wellpath.
- The directional plan is attached in the APD application.
- The directional plan is built from geologic targets from offset wells and lease boundaries. The production hole section will be landed and drilled horizontally within the target formation utilizing LWD tools to steer the wellbore. On-site adjustments to the directional plan will be made and formation and wellbore dictate.

Appendix A

11" 3M BOP & 3M Choke Manifold Configuration



1	Rotating Head	12	Manual Isolation Valve
2	Fill-Up Line	13	Needle Valve & Pressure Gauge
3	Flow Line	14	Spacer Spool (if needed)
4	3M Annular Preventer	15	Manual Choke
5	3M Pipe Rams	16	Hydraulically Operated Choke
6	Manual Isolation Valve	17	Manual Isolation Valve
7	Check Valve	18	Manual Isolation Valve
8	Manual Isolation Valve	19	Manual Isolation Valve
9	Manual Isolation Valve	20	Valve Block & Pressure Gauge
10	High Closing Ratio Valve	21	Manual Isolation Valve
11	3M Blind Rams	22	Manual Isolation Valve

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

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

CONDITIONS

Action 530770

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 530770
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	3/17/2026