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

Form C-101
August 1, 2011

Permit 324621

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
Invito Operating, LLC 6401 Eldorado Parkway Mckinney, TX 75070	329337
	3. API Number 30-025-50671

4. Property Code	5. Property Name	6. Well No.
333343	TELLURIDE 16 STATE	004H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	9	09S	34E	M	810	S	643	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	16	09S	34E	M	100	S	643	W	Lea

9. Pool Information

JENKINS;SAN ANDRES, NORTHWEST	33965

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	4279
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	10270	San Andres		10/1/2022
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	2200	690	0
Prod	8.75	7	29	4900	210	0
Prod	8.75	5.5	20	10270	1065	4900

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	to be determined

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

OIL CONSERVATION DIVISION

Printed Name:	Electronically filed by Jared K Christianson	Approved By:	Paul F Kautz	
Title:	Managing member	Title:	Geologist	
Email Address:	jchristianson@invitoep.com	Approved Date:	9/30/2022	Expiration Date: 9/30/2024
Date:	9/6/2022 Phone: 972-839-7456	Conditions of Approval Attached		

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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

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-50671	~~12450~~ 33965	~~CLR; San Andres~~ JENKINS;SAN ANDRES, NORTHWEST

[4] Property Code	[5] Property Name	[6] Well Number
333343	Telluride 16 State	4H

[7] OGRID No.	[8] Operator Name	[9] Elevation
329337	Invito Operating, LLC	4279.9'

[10] Surface Location

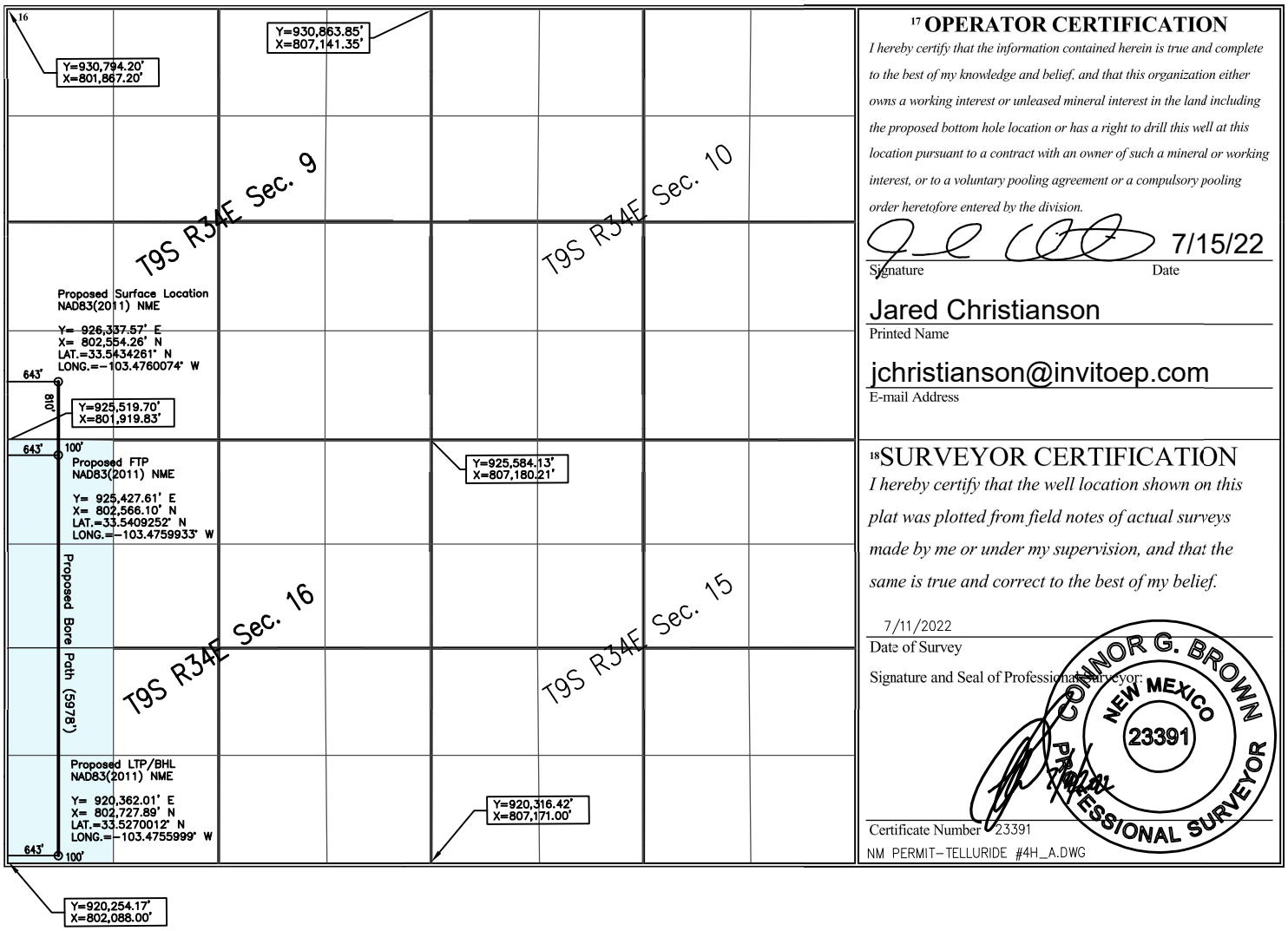
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	9-S	34-E		810'	South	643'	West	Lea

[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
M	16	9-S	34-E		100'	South	643'	West	Lea

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
160.0'			

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.



[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.

7/15/22
Signature Date

Jared Christianson
Printed Name

jchristianson@invitoep.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.

7/11/2022
Date of Survey

Signature and Seal of Professional Surveyor:

CONNOR G. BROWN
NEW MEXICO
23391
PROFESSIONAL SURVEYOR

Certificate Number 23391

NM PERMIT-TELLURIDE #4H_A.DWG

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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

Form APD Conditions

Permit 324621

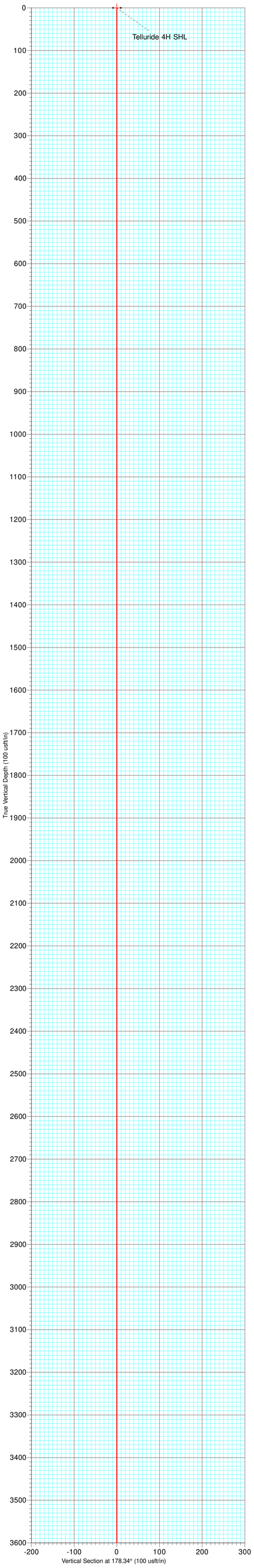
PERMIT CONDITIONS OF APPROVAL

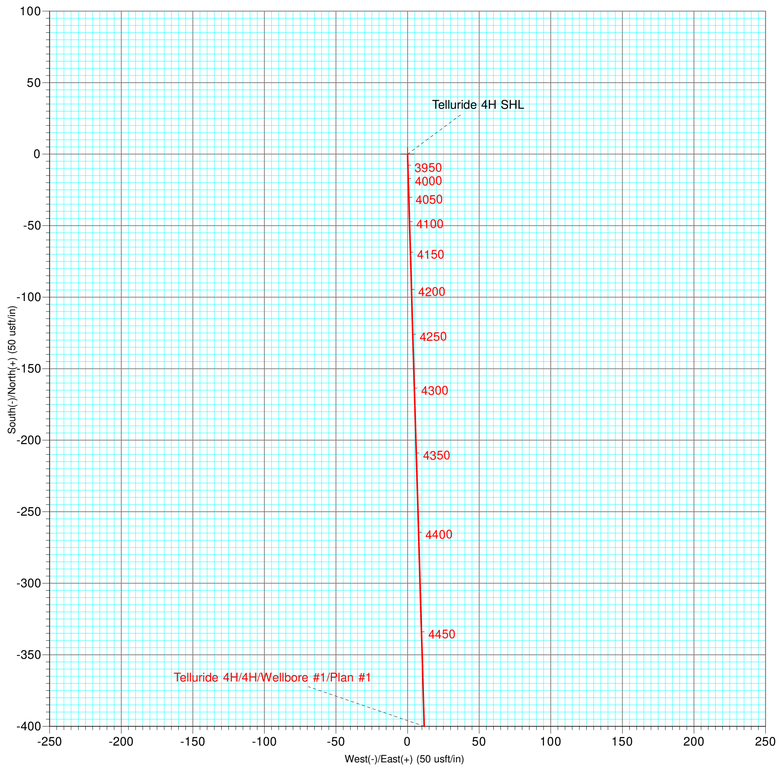
Operator Name and Address:	API Number:
Invito Operating, LLC [329337] 6401 Eldorado Parkway Mckinney, TX 75070	30-025-50671
	Well: TELLURIDE 16 STATE #004H

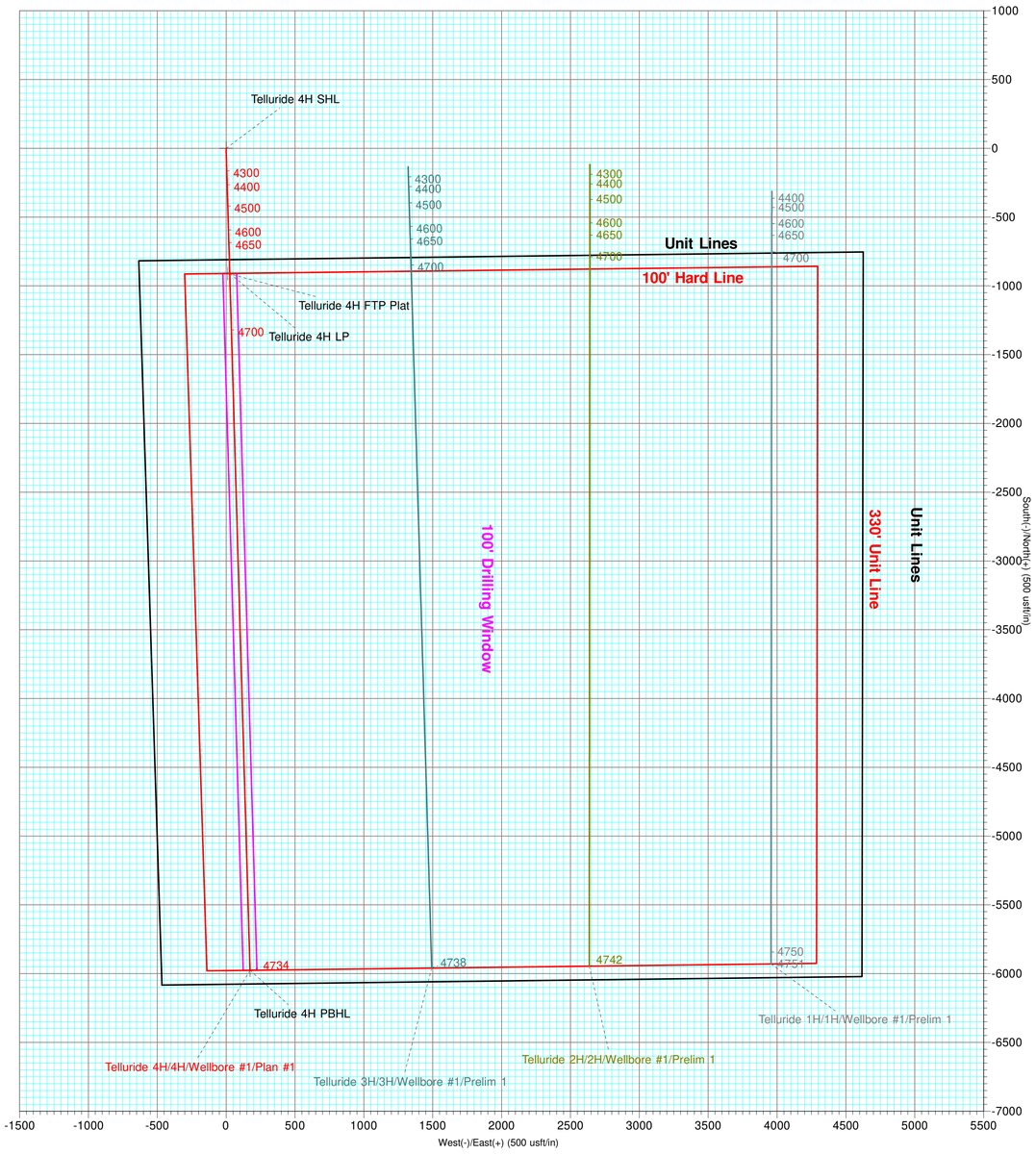
OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
pkautz	Cement is required to circulate on both surface and production strings of casing
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

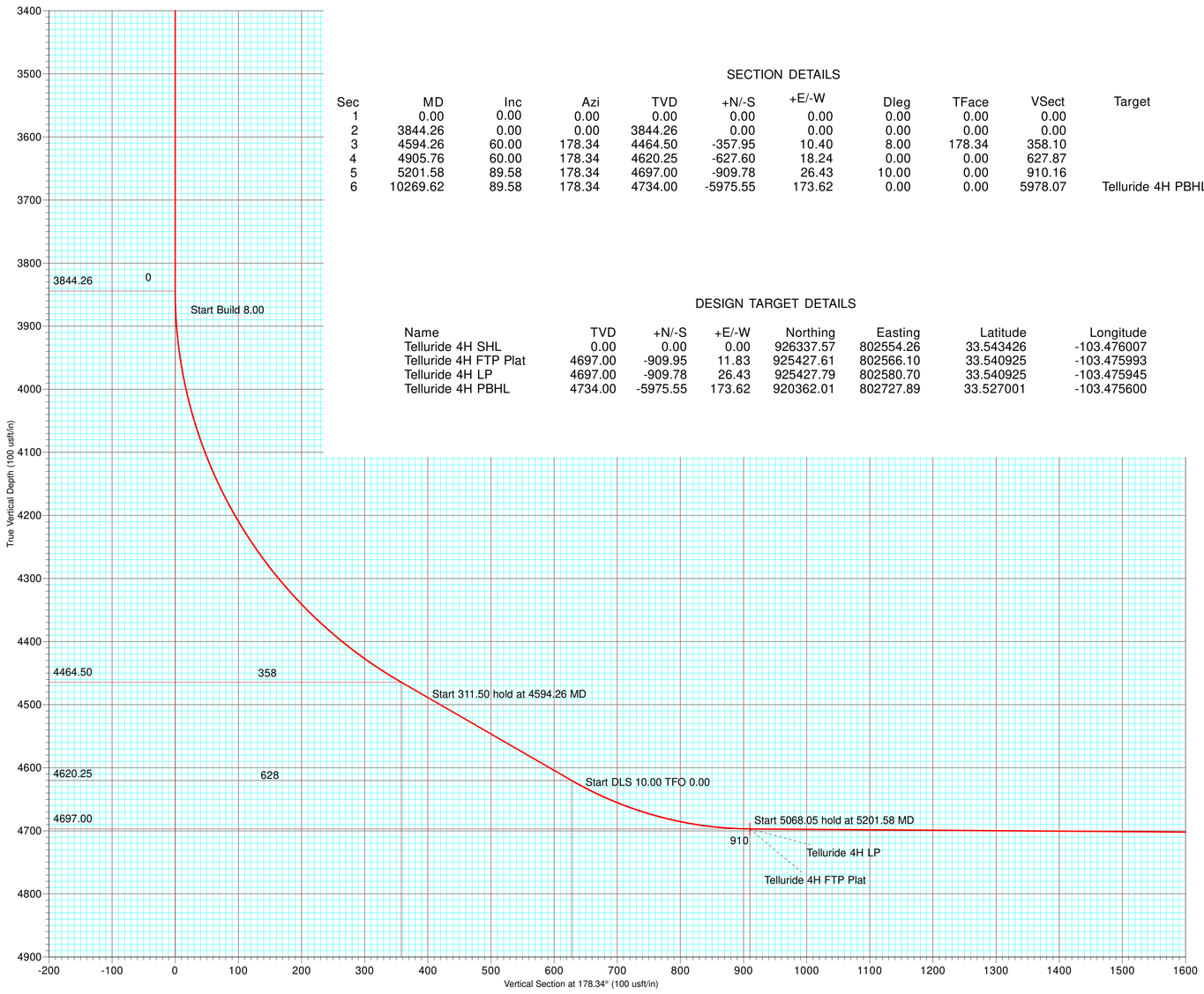
INVITO OPERATING, LLC

Project: Lea County, NM
Site: Telluride 4H
Well: 4H
Wellbore: Wellbore #1
Design: Plan #1
Rig: Ensign 436







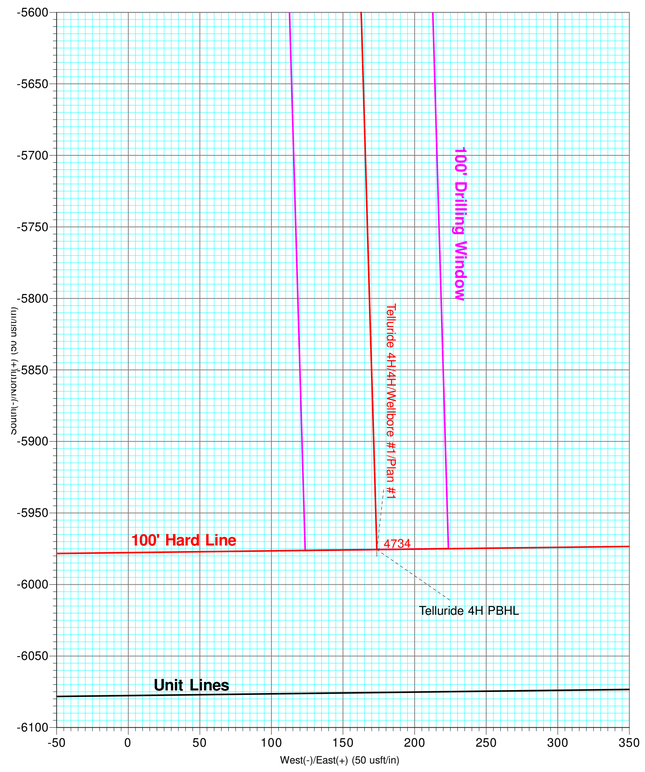


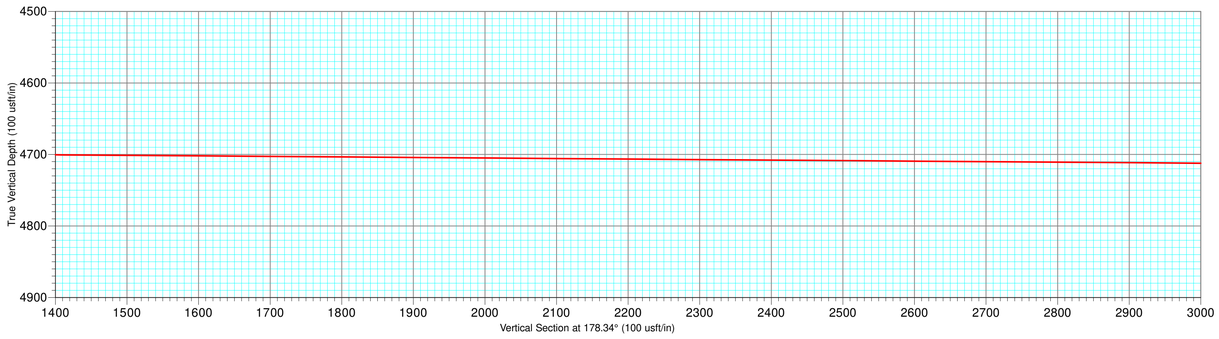
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3844.26	0.00	0.00	3844.26	0.00	0.00	0.00	0.00	0.00	
3	4594.26	60.00	178.34	4464.50	-357.95	10.40	8.00	178.34	358.10	
4	4905.76	60.00	178.34	4620.25	-627.60	18.24	0.00	0.00	627.87	
5	5201.58	89.58	178.34	4697.00	-909.78	26.43	10.00	0.00	910.16	
6	10269.62	89.58	178.34	4734.00	-5975.55	173.62	0.00	0.00	5978.07	Telluride 4H PBHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Telluride 4H SHL	0.00	0.00	0.00	926337.57	802554.26	33.543426	-103.476007
Telluride 4H FTP Plat	4697.00	-909.95	11.83	925427.61	802566.10	33.540925	-103.475993
Telluride 4H LP	4697.00	-909.78	26.43	925427.79	802580.70	33.540925	-103.475945
Telluride 4H PBHL	4734.00	-5975.55	173.62	920362.01	802727.89	33.527001	-103.475600





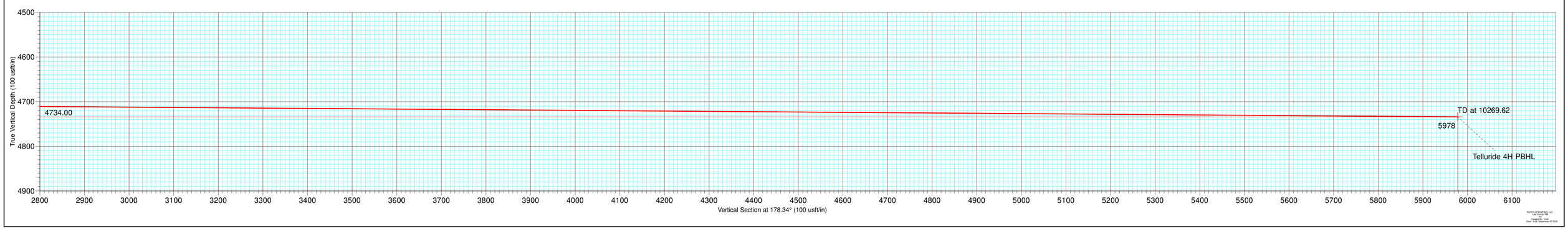
T G M

Azimuths to Grid North
True North: -0.47°
Magnetic North: 7.33°

Magnetic Field
Strength: 49588.7nT
Dip Angle: 61.47°
Date: 12/31/2009
Model: IGRF200510

TALLY

DRILLING SERVICES



Planning Report

Database:	EDM Multi	**Local Co-ordinate Reference:**	Well 4H
Company:	INVITO OPERATING, LLC	**TVD Reference:**	4279.9+16 @ 4295.90usft
Project:	Lea County, NM	**MD Reference:**	4279.9+16 @ 4295.90usft
Site:	Telluride 4H	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project Lea County, NM

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Telluride 4H

Site Position:		**Northing:**	926,337.57 usft	**Latitude:**	33.543426
From:	Map	**Easting:**	802,554.26 usft	**Longitude:**	-103.476008
Position Uncertainty:	0.00 usft	**Slot Radius:**	13.200 in	**Grid Convergence:**	0.47 °

Well 4H

Well Position	**+N/-S**	0.00 usft	**Northing:**	926,337.57 usft	**Latitude:**	33.543426
	+E/-W	0.00 usft	**Easting:**	802,554.26 usft	**Longitude:**	-103.476008
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	16.00 usft	**Ground Level:**	4,279.90 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.80	61.47	49,589

Design Plan #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	178.34

Plan Survey Tool Program **Date** 7/26/2022

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	10,269.62	Plan #1 (Wellbore #1)	MWD+HRGM OWSG Rev5	
				OWSG MWD + HRGM	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,844.26	0.00	0.00	3,844.26	0.00	0.00	0.00	0.00	0.00	0.00	
4,594.26	60.00	178.34	4,464.50	-357.95	10.40	8.00	8.00	0.00	178.34	
4,905.76	60.00	178.34	4,620.25	-627.60	18.24	0.00	0.00	0.00	0.00	
5,201.58	89.58	178.34	4,697.00	-909.78	26.43	10.00	10.00	0.00	0.00	
10,269.62	89.58	178.34	4,734.00	-5,975.55	173.62	0.00	0.00	0.00	0.00	Telluride 4H PBHL

Planning Report

Database:	EDM Multi	**Local Co-ordinate Reference:**	Well 4H
Company:	INVITO OPERATING, LLC	**TVD Reference:**	4279.9+16 @ 4295.90usft
Project:	Lea County, NM	**MD Reference:**	4279.9+16 @ 4295.90usft
Site:	Telluride 4H	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,844.26	0.00	0.00	3,844.26	0.00	0.00	0.00	0.00	0.00	0.00
3,850.00	0.46	178.34	3,850.00	-0.02	0.00	0.02	8.00	8.00	0.00
3,900.00	4.46	178.34	3,899.94	-2.17	0.06	2.17	8.00	8.00	0.00
3,950.00	8.46	178.34	3,949.62	-7.79	0.23	7.79	8.00	8.00	0.00
4,000.00	12.46	178.34	3,998.78	-16.86	0.49	16.87	8.00	8.00	0.00
4,050.00	16.46	178.34	4,047.18	-29.34	0.85	29.35	8.00	8.00	0.00
4,100.00	20.46	178.34	4,094.60	-45.16	1.31	45.18	8.00	8.00	0.00
4,150.00	24.46	178.34	4,140.80	-64.25	1.87	64.27	8.00	8.00	0.00
4,200.00	28.46	178.34	4,185.55	-86.51	2.51	86.55	8.00	8.00	0.00
4,250.00	32.46	178.34	4,228.64	-111.84	3.25	111.89	8.00	8.00	0.00
4,300.00	36.46	178.34	4,269.86	-140.12	4.07	140.17	8.00	8.00	0.00
4,350.00	40.46	178.34	4,309.00	-171.19	4.97	171.27	8.00	8.00	0.00
4,400.00	44.46	178.34	4,345.89	-204.93	5.95	205.01	8.00	8.00	0.00
4,450.00	48.46	178.34	4,380.32	-241.15	7.01	241.25	8.00	8.00	0.00
4,500.00	52.46	178.34	4,412.15	-279.68	8.13	279.80	8.00	8.00	0.00

Planning Report

Database:	EDM Multi	**Local Co-ordinate Reference:**	Well 4H
Company:	INVITO OPERATING, LLC	**TVD Reference:**	4279.9+16 @ 4295.90usft
Project:	Lea County, NM	**MD Reference:**	4279.9+16 @ 4295.90usft
Site:	Telluride 4H	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,550.00	56.46	178.34	4,441.20	-320.34	9.31	320.48	8.00	8.00	0.00
4,594.26	60.00	178.34	4,464.50	-357.95	10.40	358.10	8.00	8.00	0.00
4,600.00	60.00	178.34	4,467.37	-362.92	10.54	363.07	0.00	0.00	0.00
4,700.00	60.00	178.34	4,517.37	-449.48	13.06	449.67	0.00	0.00	0.00
4,800.00	60.00	178.34	4,567.37	-536.05	15.58	536.28	0.00	0.00	0.00
4,905.76	60.00	178.34	4,620.25	-627.60	18.24	627.87	0.00	0.00	0.00
4,950.00	64.42	178.34	4,640.87	-666.71	19.37	666.99	10.00	10.00	0.00
5,000.00	69.42	178.34	4,660.47	-712.68	20.71	712.98	10.00	10.00	0.00
5,050.00	74.42	178.34	4,675.97	-760.18	22.09	760.50	10.00	10.00	0.00
5,100.00	79.42	178.34	4,687.28	-808.84	23.50	809.18	10.00	10.00	0.00
5,150.00	84.42	178.34	4,694.31	-858.31	24.94	858.67	10.00	10.00	0.00
5,201.58	89.58	178.34	4,697.00	-909.78	26.43	910.16	10.00	10.00	0.00
5,300.00	89.58	178.34	4,697.72	-1,008.16	29.29	1,008.58	0.00	0.00	0.00
5,400.00	89.58	178.34	4,698.45	-1,108.11	32.20	1,108.58	0.00	0.00	0.00
5,500.00	89.58	178.34	4,699.18	-1,208.07	35.10	1,208.58	0.00	0.00	0.00
5,600.00	89.58	178.34	4,699.91	-1,308.02	38.01	1,308.57	0.00	0.00	0.00
5,700.00	89.58	178.34	4,700.64	-1,407.98	40.91	1,408.57	0.00	0.00	0.00
5,800.00	89.58	178.34	4,701.37	-1,507.93	43.81	1,508.57	0.00	0.00	0.00
5,900.00	89.58	178.34	4,702.10	-1,607.89	46.72	1,608.57	0.00	0.00	0.00
6,000.00	89.58	178.34	4,702.83	-1,707.84	49.62	1,708.56	0.00	0.00	0.00
6,100.00	89.58	178.34	4,703.56	-1,807.80	52.53	1,808.56	0.00	0.00	0.00
6,200.00	89.58	178.34	4,704.29	-1,907.75	55.43	1,908.56	0.00	0.00	0.00
6,300.00	89.58	178.34	4,705.02	-2,007.71	58.33	2,008.56	0.00	0.00	0.00
6,400.00	89.58	178.34	4,705.75	-2,107.66	61.24	2,108.55	0.00	0.00	0.00
6,500.00	89.58	178.34	4,706.48	-2,207.62	64.14	2,208.55	0.00	0.00	0.00
6,600.00	89.58	178.34	4,707.21	-2,307.57	67.05	2,308.55	0.00	0.00	0.00
6,700.00	89.58	178.34	4,707.94	-2,407.53	69.95	2,408.55	0.00	0.00	0.00
6,800.00	89.58	178.34	4,708.67	-2,507.48	72.86	2,508.54	0.00	0.00	0.00
6,900.00	89.58	178.34	4,709.40	-2,607.44	75.76	2,608.54	0.00	0.00	0.00
7,000.00	89.58	178.34	4,710.13	-2,707.39	78.66	2,708.54	0.00	0.00	0.00
7,100.00	89.58	178.34	4,710.86	-2,807.35	81.57	2,808.53	0.00	0.00	0.00
7,200.00	89.58	178.34	4,711.59	-2,907.30	84.47	2,908.53	0.00	0.00	0.00
7,300.00	89.58	178.34	4,712.32	-3,007.26	87.38	3,008.53	0.00	0.00	0.00
7,400.00	89.58	178.34	4,713.05	-3,107.22	90.28	3,108.53	0.00	0.00	0.00
7,500.00	89.58	178.34	4,713.78	-3,207.17	93.19	3,208.52	0.00	0.00	0.00
7,600.00	89.58	178.34	4,714.51	-3,307.13	96.09	3,308.52	0.00	0.00	0.00
7,700.00	89.58	178.34	4,715.24	-3,407.08	98.99	3,408.52	0.00	0.00	0.00
7,800.00	89.58	178.34	4,715.97	-3,507.04	101.90	3,508.52	0.00	0.00	0.00
7,900.00	89.58	178.34	4,716.70	-3,606.99	104.80	3,608.51	0.00	0.00	0.00
8,000.00	89.58	178.34	4,717.43	-3,706.95	107.71	3,708.51	0.00	0.00	0.00
8,100.00	89.58	178.34	4,718.16	-3,806.90	110.61	3,808.51	0.00	0.00	0.00
8,200.00	89.58	178.34	4,718.89	-3,906.86	113.52	3,908.51	0.00	0.00	0.00
8,300.00	89.58	178.34	4,719.62	-4,006.81	116.42	4,008.50	0.00	0.00	0.00
8,400.00	89.58	178.34	4,720.35	-4,106.77	119.32	4,108.50	0.00	0.00	0.00
8,500.00	89.58	178.34	4,721.08	-4,206.72	122.23	4,208.50	0.00	0.00	0.00
8,600.00	89.58	178.34	4,721.81	-4,306.68	125.13	4,308.49	0.00	0.00	0.00
8,700.00	89.58	178.34	4,722.54	-4,406.63	128.04	4,408.49	0.00	0.00	0.00
8,800.00	89.58	178.34	4,723.27	-4,506.59	130.94	4,508.49	0.00	0.00	0.00
8,900.00	89.58	178.34	4,724.00	-4,606.54	133.85	4,608.49	0.00	0.00	0.00
9,000.00	89.58	178.34	4,724.73	-4,706.50	136.75	4,708.48	0.00	0.00	0.00
9,100.00	89.58	178.34	4,725.46	-4,806.45	139.65	4,808.48	0.00	0.00	0.00
9,200.00	89.58	178.34	4,726.19	-4,906.41	142.56	4,908.48	0.00	0.00	0.00
9,300.00	89.58	178.34	4,726.92	-5,006.36	145.46	5,008.48	0.00	0.00	0.00
9,400.00	89.58	178.34	4,727.65	-5,106.32	148.37	5,108.47	0.00	0.00	0.00

Planning Report

Database:	EDM Multi	**Local Co-ordinate Reference:**	Well 4H
Company:	INVITO OPERATING, LLC	**TVD Reference:**	4279.9+16 @ 4295.90usft
Project:	Lea County, NM	**MD Reference:**	4279.9+16 @ 4295.90usft
Site:	Telluride 4H	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,500.00	89.58	178.34	4,728.38	-5,206.27	151.27	5,208.47	0.00	0.00	0.00
9,600.00	89.58	178.34	4,729.11	-5,306.23	154.17	5,308.47	0.00	0.00	0.00
9,700.00	89.58	178.34	4,729.84	-5,406.18	157.08	5,408.47	0.00	0.00	0.00
9,800.00	89.58	178.34	4,730.57	-5,506.14	159.98	5,508.46	0.00	0.00	0.00
9,900.00	89.58	178.34	4,731.30	-5,606.09	162.89	5,608.46	0.00	0.00	0.00
10,000.00	89.58	178.34	4,732.03	-5,706.05	165.79	5,708.46	0.00	0.00	0.00
10,100.00	89.58	178.34	4,732.76	-5,806.00	168.70	5,808.45	0.00	0.00	0.00
10,200.00	89.58	178.34	4,733.49	-5,905.96	171.60	5,908.45	0.00	0.00	0.00
10,269.62	89.58	178.34	4,734.00	-5,975.55	173.62	5,978.07	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Telluride 4H SHL - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	926,337.57	802,554.26	33.543426	-103.476008
Telluride 4H FTP Plat - plan misses target center by 14.60usft at 5201.33usft MD (4697.00 TVD, -909.53 N, 26.43 E) - Point	0.00	0.00	4,697.00	-909.95	11.83	925,427.61	802,566.09	33.540925	-103.475994
Telluride 4H LP - plan hits target center - Point	0.00	0.00	4,697.00	-909.78	26.43	925,427.79	802,580.70	33.540925	-103.475946
Telluride 4H PBHL - plan hits target center - Point	0.00	0.00	4,734.00	-5,975.55	173.62	920,362.02	802,727.88	33.527001	-103.475600

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: INVITO OPERATING, LLC **OGRID:** 329337 **Date:** 09 / 05 / 22

II. Type: ☑ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
TELLURIDE 16 STATE 4H	30-025-	M-09-09S-34E	810 FSL	100	175	725
			643 FWL			

IV. Central Delivery Point Name: TARGA MID. SERVICES LLC IN P-4-9S-34E [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
TELLURIDE 16 STATE 4H	30-025-	10-1-22	10-10-22	10-17-22	11-17-22	12-1-22

VI. Separation Equipment: ☑ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☑ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☑ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☑ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☑ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	BRIAN WOOD
Title:	Consultant
E-mail Address:	brian@permitswest.com
Date:	9-5-22
Phone:	505 466-8120

OIL CONSERVATION DIVISION

(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

INVITO OPERATING, LLC – NATURAL GAS MANAGEMENT PLAN

VI. Separation Equipment

Depending on gas quality and quantity, Invito Operating, LLC plans to install a 250 psi 30" x 10' 3-phase separator and a vertical 4' x 20' heater-treater. All separation equipment and tanks will be connected to vapor recovery units.

VII. Operational Practices (NMAC 19.15.27.8. A – F)

1. All natural gas will be sent through facilities, unless emergency venting or flaring is needed
2. Drill rig will have a properly sized flare stack
3. Completion operations will use closed loop systems with separator equipment
4. Production equipment will be designed with vapor recovery equipment
5. Facilities will use automatic measurement devices, including AVOs
6. Vapor recovery units will be metered to determine annual natural gas recycled through facility

VIII. Best Management Practices

1. Drilling Operations
   a. Rig will have properly sized gas buster and mud/cutting separation equipment to separate gas from mud flowlines
   b. Rig will have properly sized flare stack ≥100' from nearest SHL
2. Completion Operations
   a. All flowback operations will use vortex sand traps capable of separating solids, liquids, and gas phases. All gas phases will be sent, in sequence, to:
      i. Natural gas treating vessel
      ii. Natural gas separator
      iii. Natural gas sales line
      iv. Flare with automatic igniter or continuous pilot (emergencies only)
   b. Gas sample meter will be installed for continuous daily measurement of natural gas
3. Production Operations
   a. Shut-in well will only be opened to a 3-phase separator that is connected to a VRU

b. Workover Rig
   i. All rigs will use BOP equipment or 500 psi stripping heads connected to separation equipment
   ii. When circulating fluids in downhole operations, rig will use a closed loop system connected to a facilities separator and VRU
c. Producing
   i. Well will not bypass facility equipment during production, unless under emergency circumstances
   ii. In an emergency, natural gas may be routed to the flare
   iii. VRUs will be metered to determine annual recycled natural gas
d. Facilities
   i. All facility equipment (separators, gas treatment, heater-treaters, tanks) will be connected to VRUs
   ii. VRUs will include gas measurement devices to record gas volumes
   iii. All facilities will use 3-phase separators
   iv. All facilities will use gas generators to offset electric usage
   v. All facilities will have properly sized flares for emergencies
   vi. AVO inspections will be made at least 4 times per month for leak detection

Venting & Flaring Plan

Invito will use natural gas for additional power generation with gas generators even when connected to a pipeline. Lease gas will also be used for enhanced evaporation of produced water before sending gas to a flare.