

Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

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.)		WELL API NO. 30-015-49018
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator SPUR ENERGY PARTNERS LLC		6. State Oil & Gas Lease No.
3. Address of Operator 9655 KATY FREEWAY, SUITE 500, HOUSTON, TX 77024		7. Lease Name or Unit Agreement Name WAUKEE 36 STATE COM
4. Well Location Unit Letter LOT 3 : 2240 feet from the SOUTH line and 735 feet from the WEST line Section 31 Township 17S Range 28E NMPM EDDY County		8. Well Number 11H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3676' GR		9. OGRID Number 328947
		10. Pool name or Wildcat RED LAKE; GLORIETA-YESO, NORTHEAST

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

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.

Spur Energy Partners LLC respectfully requests to amend the FTP, LTP and BHL for this well. It will be a 175' shift to the south. Please find updated C-102, directional plan, plot and drill plan attached for your use.

Current:

SHL: 2240' FSL 735' FWL
 FTP: 2310' FSL 100' FEL
 LTP: 2310' FSL 100' FWL
 BHL: 2310' FSL 50' FWL

Proposed:

SHL: 2240' FSL 735' FWL
 FTP: 2135' FSL 100' FEL
 LTP: 2135' FSL 100' FWL
 BHL: 2135' FSL 50' FWL

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 Sarah Chapman TITLE REGULATORY DIRECTOR DATE 11/17/2021

Type or print name SARAH CHAPMAN E-mail address: SCHAPMAN@SPURENERGY.COM PHONE: 832-930-8613

For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Engineer DATE 11/24/2021

Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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811 S. First St., Artesia, NM 88210
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Phone: (505) 334-6178 Fax: (505) 334-6170
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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 30-015-49109	² Pool Code 96836	³ Pool Name RED LAKE; GLORIETA-YESO, NORTHEAST
⁴ Property Code 331679	⁵ Property Name WAUKEE 36 STATE COM	⁶ Well Number 11H
⁷ OGRID NO. 328947	⁸ Operator Name SPUR ENERGY PARTNERS LLC.	⁹ Elevation 3676'

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
3	31	17S	28E		2240	SOUTH	735	WEST	EDDY

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
L	36	17S	27E		2135	SOUTH	50	WEST	EDDY
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

¹⁶ <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION (SL)</u> N: 650954.0 - E: 575811.4 LAT: 32.7894542° N LONG: 104.2211510° W <u>FIRST TAKE POINT (FTP)</u> 2135' FSL & 100' FEL SEC. 36 N: 650835.5 - E: 574977.4 LAT: 32.7891308° N LONG: 104.2238655° W <u>LAST TAKE POINT (LTP)</u> 2135' FSL & 100' FWL SEC. 36 N: 650888.6 - E: 569869.8 LAT: 32.7892901° N LONG: 104.2404859° W <u>BOTTOM HOLE (BH)</u> N: 650889.1 - E: 569819.8 LAT: 32.7892917° N LONG: 104.2406485° W <u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 648755.1 - E: 569774.2 B: FOUND BRASS CAP "1941" N: 651389.1 - E: 569768.8 C: FOUND BRASS CAP "1941" N: 654022.0 - E: 569763.3 D: FOUND BRASS CAP "1941" N: 654002.1 - E: 572411.1 E: FOUND BRASS CAP "1941" N: 653983.5 - E: 575058.5 F: FOUND BRASS CAP "1941" N: 653999.6 - E: 577752.7 G: FOUND BRASS CAP "1941" N: 654017.3 - E: 580331.9 H: FOUND BRASS CAP "1941" N: 651411.9 - E: 580372.5 I: CALCULATED CORNER N: 648805.9 - E: 580413.8 J: FOUND BRASS CAP "1941" N: 648700.0 - E: 575089.7 K: FOUND BRASS CAP "1941" N: 651341.8 - E: 575074.4	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Sarah Chapman</i> 11/16/2021 Signature Date SARAH CHAPMAN Printed Name SCHAPMAN@SPURENERGY.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. 06/10/2021 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number REV:FTP, LTP & BH MOVE 11/11/21 LS21050499R2
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Spur Energy Partners LLC – Waukee 36 State Com 11H - Sundry

1. Geologic Formations

TVD of Target	3,445'
MD at TD	9,280'

Formation	Depth
Quaternary	0'
Tansill	250'
Yates	330'
Seven Rivers	575'
Queen	1115'
Grayburg	1565'
San Andres	1910'
Glorieta	3315'
Yeso	3425'
Base Yeso	5475'

*H₂S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF	SF Burst	Body SF	Joint SF
	From (ft)	To (ft)					Collapse		Tension	Tension
12.25	0	1800	9.625	36	J-55	BTC	1.125	1.2	1.4	1.4
8.75	0	3850	7	32	L-80	BK-HT	1.125	1.2	1.4	1.4
8.75	3850	9280	5.5	20	L-80	BK-HT	1.125	1.2	1.4	1.4
SF Values will meet or Exceed										

Spur Energy Partners LLC – Waukee 36 State Com 11H - Sundry

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program

Casing String	Top (ft)	Bottom (ft)	% Excess
Surface (Lead)	0	950	100%
Surface (Tail)	950	1800	165%
Production (Lead)	0	2850	100%
Production (Tail)	2850	9280	25%

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H2O (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface (Lead)	270	12.2	2.31	13.48	8:12	Clas C Premium Plus Cement
Surface (Tail)	394	13.2	1.84	9.92	6:59	Clas C Premium Plus Cement
Production (Lead)	243	11.8	2.54	15.29	N/A	Clas C Premium Plus Cement
Production (Tail)	1055	13.2	1.81	9.81	N/A	Clas C Premium Plus Cement

Spur Energy Partners LLC – Waukee 36 State Com 11H - Sundry**4. Pressure Control Equipment*****Spur Energy Partners LLC variance for flex hose***

1. Spur requests a variance to use a flex line from the BOP to the choke manifold. Documentation will be attached in the APD and be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no bends).

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
12.25" Hole	13-5/8"	5M	Annular	✓	70% of working pressure
		5M	Blind Ram	✓	250 psi / 3000 psi
			Pipe Ram	✓	
			Double Ram		
			Other*		
8.75" Hole	13-5/8"	5M	Annular	✓	70% of working pressure
		5M	Blind Ram	✓	250 psi / 3000 psi
			Pipe Ram	✓	
			Double Ram		
			Other*		

Spur Energy Partners LLC will be utilizing a 5M BOP

Condition	Specify what type and where?
BH Pressure at deepest TVD	1667 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	109°F

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.

Spur Energy Partners LLC – Waukee 36 State Com 11H - Sundry

Y	Are anchors required by manufacturer?
	A conventional wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. See attached schematics.

5. BOP Break Testing Request

Spur Energy Partners LLC requests permission to adjust the BOP break testing requirements as follows:

BOP break test under the following conditions:

- After a full BOP test is conducted
- When skidding to drill the production section, where the surface casing point is shallower than the 3 Bone Spring or 10,000 TVD.
- When skidding to drill a production section that does not penetrate the 3rd Bone Spring or deeper.

If the kill line is broken prior to skid, four tests will be performed.

- 1) The void between the wellhead and the spool (this consists of two tests)
- 2) The spool between the kill lines and the choke manifold (this consists of two tests)

If the kill line is not broken prior to skid, two tests will be performed.

- 1) The void between the wellhead and the pipe rams

6. Mud Program

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Spur will use a closed mud system.

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From (ft)	To (ft)				
0	1800	Water-Based Mud	8.6-8.9	32-36	N/C
1800	9280	Water-Based Mud	8.6-8.9	32-36	N/C

What will be used to monitor the loss or gain of fluid?	PVT/PASON/Visual Monitoring
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Spur Energy Partners LLC – Waukee 36 State Com 11H - Sundry

7. Logging and Testing Procedures

Logging, Coring and Testing.		
Yes	Will run GR from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.	
No	Logs are planned based on well control or offset log information.	
No	Drill stem test? If yes, explain	
No	Coring? If yes, explain	
Additional logs planned		Interval
No	Resistivity	
No	Density	
No	CBL	
Yes	Mud log	ICP - TD
No	PEX	

8. Drilling Conditions

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

Hydrogen Sulfide (H ₂ S) monitors will be installed prior to drilling out the surface shoe. If H ₂ S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H ₂ S is present
Y	H ₂ S Plan attached

Total estimated cuttings volume: 952.4 bbls.

Spur Energy Partners LLC – Waukee 36 State Com 11H - Sundry

9. Other facets of operation

	Yes/No
Will more than one drilling rig be used for drilling operations? If yes, describe. Spur Energy Partners LLC. requests the option to contract a Surface Rig to drill, set surface casing, and cement for this well. If the timing between rigs is such that Spur Energy Partners LLC. would not be able to preset surface, the Primary Rig will MIRU and drill the well in its entirety per the APD. Please see the attached document for information on the spudder rig.	Yes

Attachments

- ☒ Directional Plan
☒ H2S Contingency Plan
☒ Akita 57 Attachments
☒ BOP Schematics
☒ Transcend Spudder Rig Attachments

10. Company Personnel

Name	Title	Office Phone	Mobile Phone
Christopher Hollis	Drilling Manager	832-930-8629	713-380-7754
Johnny Nabors	Senior Vice President Operations	832-930-8502	281-904-8811



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

WAUKEE C 36 STATE COM

11H

Wellbore #1

Plan: PLAN #3

Standard Planning Report

17 November, 2021





Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well 11H
Company:	Spur Energy Partners, LLC	TVD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Project:	Eddy County, NM (NAD 83 - NME)	MD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Site:	WAUKEE C 36 STATE COM	North Reference:	Grid
Well:	11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #3		

Project	Eddy County, NM (NAD 83 - NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		WAUKEE C 36 STATE COM			
Site Position:		Northing:	649,489.60 usft	Latitude:	32.7854290
From:	Map	Easting:	575,829.90 usft	Longitude:	-104.2210960
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.061

Well	11H					
Well Position	+N/-S	1,464.40 usft	Northing:	650,954.00 usft	Latitude:	32.7894542
	+E/-W	-18.50 usft	Easting:	575,811.40 usft	Longitude:	-104.2211511
Position Uncertainty	0.00 usft		Wellhead Elevation:		Ground Level:	3,676.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	9/30/2021	6.857	60.307	47,727.76907892

Design	PLAN #3			
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	270.60

Plan Survey Tool Program	Date	11/17/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	9,280.19 PLAN #3 (Wellbore #1)	MWD+IFR1+SAG+FDIR	
			OWSG MWD + IFR1 + Sag	



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well 11H
Company:	Spur Energy Partners, LLC	TVD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Project:	Eddy County, NM (NAD 83 - NME)	MD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Site:	WAUKEE C 36 STATE COM	North Reference:	Grid
Well:	11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #3		

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	0.000	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.000	
509.19	4.18	130.24	509.00	-4.93	5.83	2.00	2.00	0.00	130.236	
2,548.52	4.18	130.24	2,542.90	-101.03	119.41	0.00	0.00	0.00	0.000	
3,602.77	60.00	270.60	3,423.50	-123.46	-357.13	6.00	5.29	13.31	141.780	
3,802.77	60.00	270.60	3,523.50	-121.66	-530.33	0.00	0.00	0.00	0.000	
4,119.98	91.72	270.60	3,600.00	-118.50	-834.00	10.00	10.00	0.00	0.000	PLAT FTP 11H: 213
9,230.17	91.72	270.60	3,446.50	-65.42	-5,941.60	0.00	0.00	0.00	0.000	PLAT LTP 11H: 213
9,280.19	91.72	270.60	3,445.00	-64.90	-5,991.60	0.00	0.00	0.00	0.000	PLAT BHL 11H: 213



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well 11H
Company:	Spur Energy Partners, LLC	TVD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Project:	Eddy County, NM (NAD 83 - NME)	MD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Site:	WAUKEE C 36 STATE COM	North Reference:	Grid
Well:	11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #3		

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	2.00	130.24	399.98	-1.13	1.33	-1.34	2.00	2.00	0.00
509.19	4.18	130.24	509.00	-4.93	5.83	-5.88	2.00	2.00	0.00
600.00	4.18	130.24	599.57	-9.21	10.89	-10.98	0.00	0.00	0.00
700.00	4.18	130.24	699.31	-13.92	16.45	-16.60	0.00	0.00	0.00
800.00	4.18	130.24	799.04	-18.64	22.02	-22.22	0.00	0.00	0.00
900.00	4.18	130.24	898.77	-23.35	27.59	-27.84	0.00	0.00	0.00
1,000.00	4.18	130.24	998.51	-28.06	33.16	-33.46	0.00	0.00	0.00
1,100.00	4.18	130.24	1,098.24	-32.77	38.73	-39.07	0.00	0.00	0.00
1,200.00	4.18	130.24	1,197.97	-37.49	44.30	-44.69	0.00	0.00	0.00
1,300.00	4.18	130.24	1,297.71	-42.20	49.87	-50.31	0.00	0.00	0.00
1,400.00	4.18	130.24	1,397.44	-46.91	55.44	-55.93	0.00	0.00	0.00
1,500.00	4.18	130.24	1,497.17	-51.62	61.01	-61.55	0.00	0.00	0.00
1,600.00	4.18	130.24	1,596.91	-56.34	66.58	-67.17	0.00	0.00	0.00
1,700.00	4.18	130.24	1,696.64	-61.05	72.15	-72.78	0.00	0.00	0.00
1,800.00	4.18	130.24	1,796.37	-65.76	77.72	-78.40	0.00	0.00	0.00
1,900.00	4.18	130.24	1,896.11	-70.47	83.29	-84.02	0.00	0.00	0.00
2,000.00	4.18	130.24	1,995.84	-75.19	88.86	-89.64	0.00	0.00	0.00
2,100.00	4.18	130.24	2,095.57	-79.90	94.43	-95.26	0.00	0.00	0.00
2,200.00	4.18	130.24	2,195.31	-84.61	100.00	-100.88	0.00	0.00	0.00
2,300.00	4.18	130.24	2,295.04	-89.32	105.57	-106.50	0.00	0.00	0.00
2,400.00	4.18	130.24	2,394.78	-94.04	111.13	-112.11	0.00	0.00	0.00
2,500.00	4.18	130.24	2,494.51	-98.75	116.70	-117.73	0.00	0.00	0.00
2,548.52	4.18	130.24	2,542.90	-101.03	119.41	-120.46	0.00	0.00	0.00
2,550.00	4.11	131.00	2,544.38	-101.10	119.49	-120.54	6.00	-4.69	51.74
2,600.00	2.59	177.67	2,594.30	-103.41	120.89	-121.96	6.00	-3.04	93.32
2,650.00	3.81	229.39	2,644.23	-105.63	119.67	-120.77	6.00	2.43	103.44
2,700.00	6.35	248.13	2,694.03	-107.74	115.84	-116.97	6.00	5.08	37.49
2,750.00	9.17	255.84	2,743.57	-109.74	109.41	-110.56	6.00	5.64	15.41
2,800.00	12.08	259.90	2,792.71	-111.63	100.40	-101.56	6.00	5.81	8.13
2,850.00	15.02	262.40	2,841.31	-113.41	88.83	-90.01	6.00	5.89	4.99
2,900.00	17.98	264.09	2,889.25	-115.06	74.73	-75.93	6.00	5.92	3.38
2,950.00	20.95	265.31	2,936.38	-116.59	58.14	-59.35	6.00	5.94	2.45
3,000.00	23.93	266.25	2,982.59	-117.98	39.10	-40.33	6.00	5.96	1.87
3,050.00	26.92	266.98	3,027.74	-119.24	17.68	-18.92	6.00	5.97	1.47
3,100.00	29.90	267.58	3,071.72	-120.36	-6.08	4.82	6.00	5.97	1.20
3,150.00	32.89	268.08	3,114.39	-121.34	-32.11	30.84	6.00	5.98	1.00
3,200.00	35.88	268.51	3,155.65	-122.18	-60.33	59.05	6.00	5.98	0.85
3,250.00	38.87	268.88	3,195.38	-122.87	-90.67	89.38	6.00	5.98	0.74
3,300.00	41.87	269.20	3,233.47	-123.41	-123.05	121.75	6.00	5.99	0.65
3,350.00	44.86	269.49	3,269.82	-123.80	-157.37	156.07	6.00	5.99	0.58
3,400.00	47.85	269.75	3,304.32	-124.04	-193.55	192.24	6.00	5.99	0.52
3,450.00	50.85	269.98	3,336.89	-124.13	-231.48	230.17	6.00	5.99	0.47
3,500.00	53.84	270.20	3,367.43	-124.06	-271.06	269.75	6.00	5.99	0.43
3,550.00	56.84	270.40	3,395.86	-123.85	-312.18	310.87	6.00	5.99	0.40
3,602.77	60.00	270.60	3,423.50	-123.46	-357.13	355.82	6.00	5.99	0.37
3,700.00	60.00	270.60	3,472.11	-122.58	-441.33	440.02	0.00	0.00	0.00
3,802.77	60.00	270.60	3,523.50	-121.66	-530.33	529.02	0.00	0.00	0.00
3,850.00	64.72	270.60	3,545.40	-121.22	-572.15	570.85	10.00	10.00	0.00



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well 11H
Company:	Spur Energy Partners, LLC	TVD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Project:	Eddy County, NM (NAD 83 - NME)	MD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Site:	WAUKEE C 36 STATE COM	North Reference:	Grid
Well:	11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #3		

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)
3,900.00	69.72	270.60	3,564.75	-120.74	-618.24	616.94	10.00	10.00	0.00
3,950.00	74.72	270.60	3,580.01	-120.25	-665.83	664.54	10.00	10.00	0.00
4,000.00	79.72	270.60	3,591.07	-119.74	-714.58	713.28	10.00	10.00	0.00
4,050.00	84.72	270.60	3,597.83	-119.23	-764.10	762.81	10.00	10.00	0.00
4,100.00	89.72	270.60	3,600.25	-118.71	-814.02	812.73	10.00	10.00	0.00
4,119.98	91.72	270.60	3,600.00	-118.50	-834.00	832.71	10.00	10.00	0.00
4,200.00	91.72	270.60	3,597.60	-117.67	-913.98	912.69	0.00	0.00	0.00
4,300.00	91.72	270.60	3,594.59	-116.63	-1,013.93	1,012.65	0.00	0.00	0.00
4,400.00	91.72	270.60	3,591.59	-115.59	-1,113.88	1,112.60	0.00	0.00	0.00
4,500.00	91.72	270.60	3,588.59	-114.55	-1,213.82	1,212.56	0.00	0.00	0.00
4,600.00	91.72	270.60	3,585.58	-113.51	-1,313.77	1,312.51	0.00	0.00	0.00
4,700.00	91.72	270.60	3,582.58	-112.48	-1,413.72	1,412.47	0.00	0.00	0.00
4,800.00	91.72	270.60	3,579.57	-111.44	-1,513.67	1,512.42	0.00	0.00	0.00
4,900.00	91.72	270.60	3,576.57	-110.40	-1,613.62	1,612.38	0.00	0.00	0.00
5,000.00	91.72	270.60	3,573.57	-109.36	-1,713.57	1,712.33	0.00	0.00	0.00
5,100.00	91.72	270.60	3,570.56	-108.32	-1,813.52	1,812.29	0.00	0.00	0.00
5,200.00	91.72	270.60	3,567.56	-107.28	-1,913.47	1,912.24	0.00	0.00	0.00
5,300.00	91.72	270.60	3,564.56	-106.24	-2,013.42	2,012.20	0.00	0.00	0.00
5,400.00	91.72	270.60	3,561.55	-105.20	-2,113.37	2,112.15	0.00	0.00	0.00
5,500.00	91.72	270.60	3,558.55	-104.17	-2,213.32	2,212.11	0.00	0.00	0.00
5,600.00	91.72	270.60	3,555.54	-103.13	-2,313.27	2,312.06	0.00	0.00	0.00
5,700.00	91.72	270.60	3,552.54	-102.09	-2,413.22	2,412.02	0.00	0.00	0.00
5,800.00	91.72	270.60	3,549.54	-101.05	-2,513.17	2,511.97	0.00	0.00	0.00
5,900.00	91.72	270.60	3,546.53	-100.01	-2,613.12	2,611.93	0.00	0.00	0.00
6,000.00	91.72	270.60	3,543.53	-98.97	-2,713.07	2,711.88	0.00	0.00	0.00
6,100.00	91.72	270.60	3,540.53	-97.93	-2,813.02	2,811.84	0.00	0.00	0.00
6,200.00	91.72	270.60	3,537.52	-96.89	-2,912.97	2,911.79	0.00	0.00	0.00
6,300.00	91.72	270.60	3,534.52	-95.86	-3,012.92	3,011.75	0.00	0.00	0.00
6,400.00	91.72	270.60	3,531.51	-94.82	-3,112.86	3,111.70	0.00	0.00	0.00
6,500.00	91.72	270.60	3,528.51	-93.78	-3,212.81	3,211.66	0.00	0.00	0.00
6,600.00	91.72	270.60	3,525.51	-92.74	-3,312.76	3,311.61	0.00	0.00	0.00
6,700.00	91.72	270.60	3,522.50	-91.70	-3,412.71	3,411.57	0.00	0.00	0.00
6,800.00	91.72	270.60	3,519.50	-90.66	-3,512.66	3,511.52	0.00	0.00	0.00
6,900.00	91.72	270.60	3,516.50	-89.62	-3,612.61	3,611.48	0.00	0.00	0.00
7,000.00	91.72	270.60	3,513.49	-88.58	-3,712.56	3,711.43	0.00	0.00	0.00
7,100.00	91.72	270.60	3,510.49	-87.55	-3,812.51	3,811.39	0.00	0.00	0.00
7,200.00	91.72	270.60	3,507.48	-86.51	-3,912.46	3,911.34	0.00	0.00	0.00
7,300.00	91.72	270.60	3,504.48	-85.47	-4,012.41	4,011.30	0.00	0.00	0.00
7,400.00	91.72	270.60	3,501.48	-84.43	-4,112.36	4,111.25	0.00	0.00	0.00
7,500.00	91.72	270.60	3,498.47	-83.39	-4,212.31	4,211.21	0.00	0.00	0.00
7,600.00	91.72	270.60	3,495.47	-82.35	-4,312.26	4,311.16	0.00	0.00	0.00
7,700.00	91.72	270.60	3,492.47	-81.31	-4,412.21	4,411.11	0.00	0.00	0.00
7,800.00	91.72	270.60	3,489.46	-80.28	-4,512.16	4,511.07	0.00	0.00	0.00
7,900.00	91.72	270.60	3,486.46	-79.24	-4,612.11	4,611.02	0.00	0.00	0.00
8,000.00	91.72	270.60	3,483.45	-78.20	-4,712.06	4,710.98	0.00	0.00	0.00
8,100.00	91.72	270.60	3,480.45	-77.16	-4,812.01	4,810.93	0.00	0.00	0.00
8,200.00	91.72	270.60	3,477.45	-76.12	-4,911.96	4,910.89	0.00	0.00	0.00
8,300.00	91.72	270.60	3,474.44	-75.08	-5,011.91	5,010.84	0.00	0.00	0.00
8,400.00	91.72	270.60	3,471.44	-74.04	-5,111.85	5,110.80	0.00	0.00	0.00
8,500.00	91.72	270.60	3,468.44	-73.00	-5,211.80	5,210.75	0.00	0.00	0.00
8,600.00	91.72	270.60	3,465.43	-71.97	-5,311.75	5,310.71	0.00	0.00	0.00
8,700.00	91.72	270.60	3,462.43	-70.93	-5,411.70	5,410.66	0.00	0.00	0.00



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well 11H
Company:	Spur Energy Partners, LLC	TVD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Project:	Eddy County, NM (NAD 83 - NME)	MD Reference:	RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)
Site:	WAUKEE C 36 STATE COM	North Reference:	Grid
Well:	11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #3		

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)
8,800.00	91.72	270.60	3,459.42	-69.89	-5,511.65	5,510.62	0.00	0.00	0.00
8,900.00	91.72	270.60	3,456.42	-68.85	-5,611.60	5,610.57	0.00	0.00	0.00
9,000.00	91.72	270.60	3,453.42	-67.81	-5,711.55	5,710.53	0.00	0.00	0.00
9,100.00	91.72	270.60	3,450.41	-66.77	-5,811.50	5,810.48	0.00	0.00	0.00
9,200.00	91.72	270.60	3,447.41	-65.73	-5,911.45	5,910.44	0.00	0.00	0.00
9,230.17	91.72	270.60	3,446.50	-65.42	-5,941.60	5,940.59	0.00	0.00	0.00
9,280.19	91.72	270.60	3,445.00	-64.90	-5,991.60	5,990.59	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
PLAT SHL 11H: 2240 - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	650,954.00	575,811.40	32.7894542	-104.2211511
PLAN KOP 11H: 2548 - plan hits target center - Point	0.00	0.00	2,542.90	-101.03	119.41	650,852.97	575,930.81	32.7891761	-104.2207629
PLAT BHL 11H: 2135 - plan hits target center - Point	0.00	0.00	3,445.00	-64.90	-5,991.60	650,889.10	569,819.80	32.7892918	-104.2406486
PLAT LTP 11H: 2135 I - plan misses target center by 0.02usft at 9230.17usft MD (3446.50 TVD, -65.42 N, -5941.60 E) - Point	0.00	0.00	3,446.50	-65.40	-5,941.60	650,888.60	569,869.80	32.7892903	-104.2404859
PLAT FTP 11H: 2135' - plan hits target center - Point	0.00	0.00	3,600.00	-118.50	-834.00	650,835.50	574,977.40	32.7891309	-104.2238654



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: WAUKEE C 36 STATE COM
Well: 11H
Wellbore: Wellbore #1
Rig: AKITA 57
Design: PLAN #3 / 6:54, November 17 2021



WELL DETAILS: 11H

RKB = 20' (BIG RIG) @ 3696.00usft (AKITA 57)

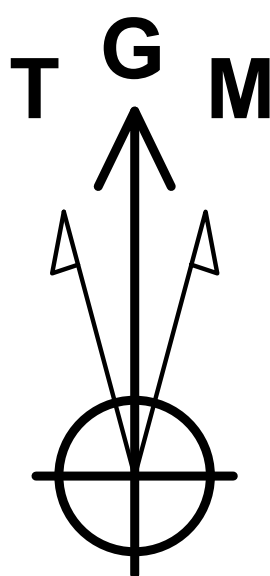
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	650954.00	575811.40	32.7894542	-104.2211511

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PLAT SHL 11H: 2240 FSL, 735' FWL	0.00	0.00	0.00	650954.00	575811.40	32.7894542	-104.2211511
PLAN KOP 11H: 2548.52' MD	2542.90	-101.03	119.41	650852.97	575930.81	32.7891761	-104.2207629
PLAT BHL 11H: 2135 FSL, 50' FWL	3445.00	-64.90	-5991.60	650889.10	569819.80	32.7892917	-104.2406487
PLAT LTP 11H: 2135 FSL, 100' FWL	3446.50	-65.40	-5941.60	650888.60	569869.80	32.7892902	-104.2404860
PLAT FTP 11H: 2135' FSL, 100' FEL	3600.00	-118.50	-834.00	650835.50	574977.40	32.7891309	-104.2238654

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	0.000	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.000	0.00	
3	509.19	4.18	130.24	509.00	-4.93	5.83	2.00	130.236	-5.88	
4	2548.52	4.18	130.24	2542.90	-101.03	119.41	0.00	0.000	-120.46	
5	3602.77	60.00	270.60	3423.50	-123.46	-357.13	6.00	141.780	355.82	
6	3802.77	60.00	270.60	3523.50	-121.66	-530.33	0.00	0.000	529.02	
7	4119.98	91.72	270.60	3600.00	-118.50	-834.00	10.00	0.000	832.71	
8	9230.17	91.72	270.60	3446.50	-65.42	-5941.60	0.00	0.000	5940.59	
9	9280.19	91.72	270.60	3445.00	-64.90	-5991.60	0.00	0.000	5990.59	



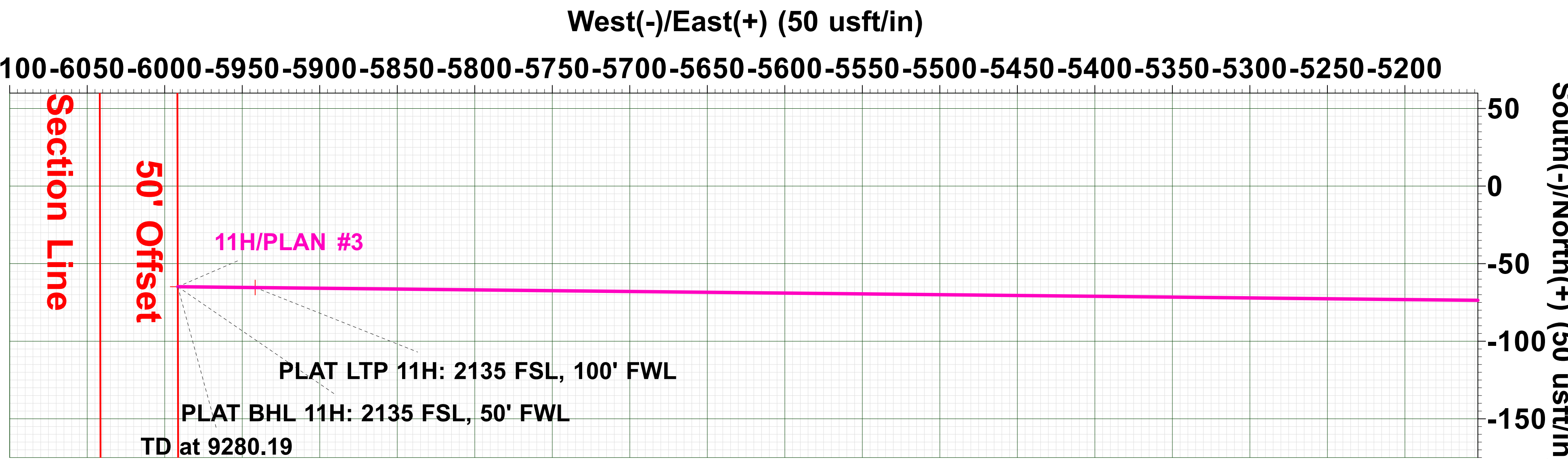
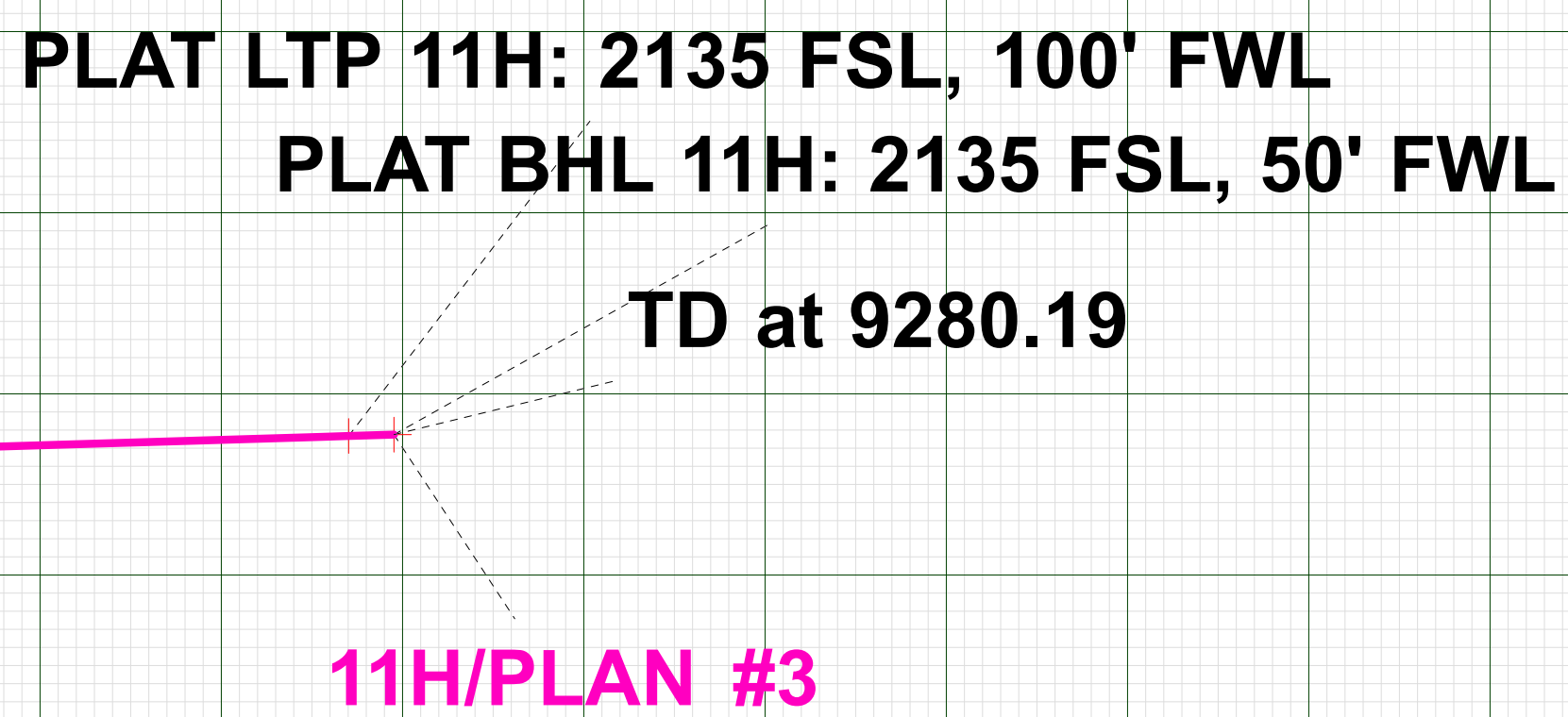
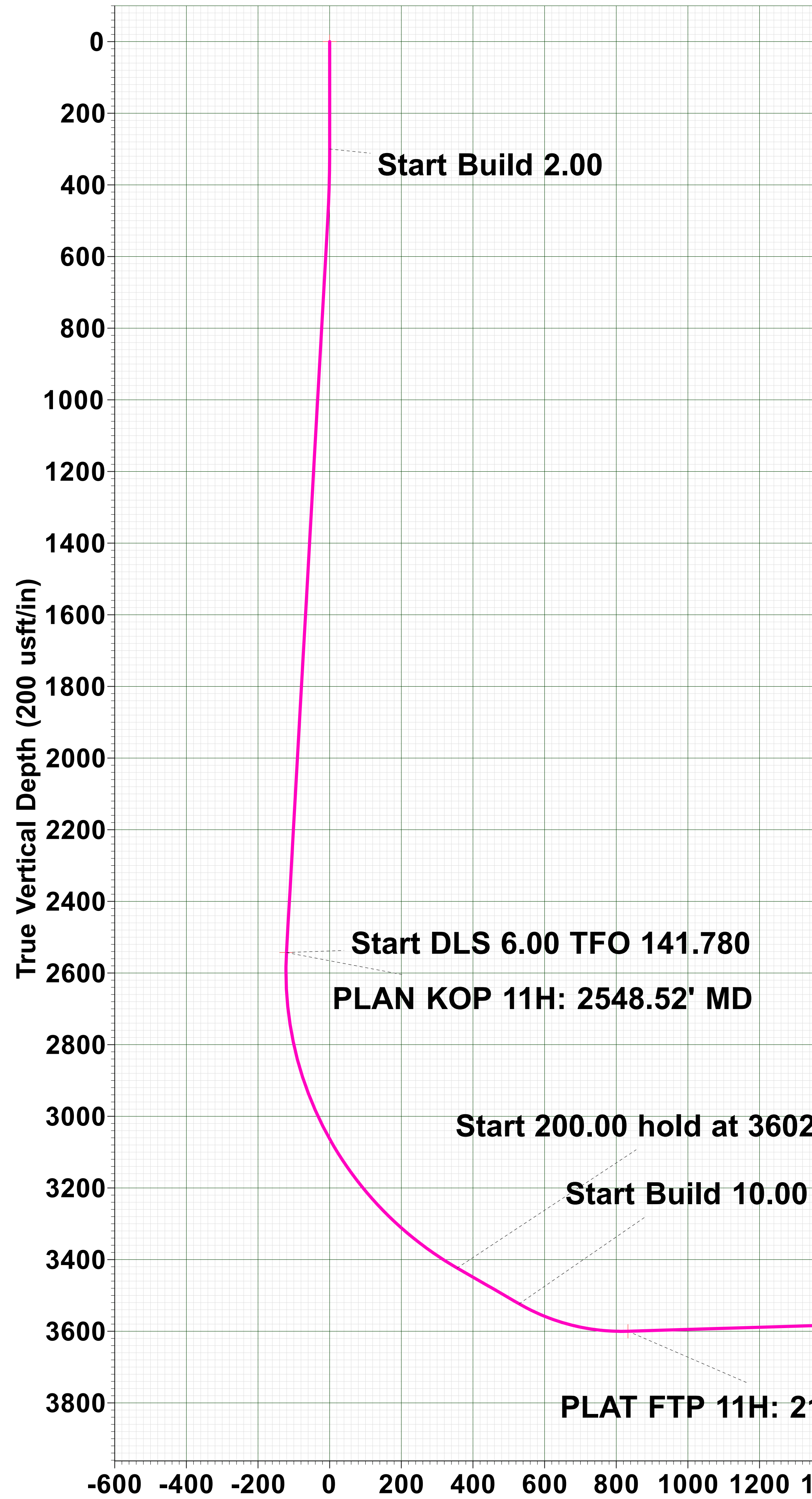
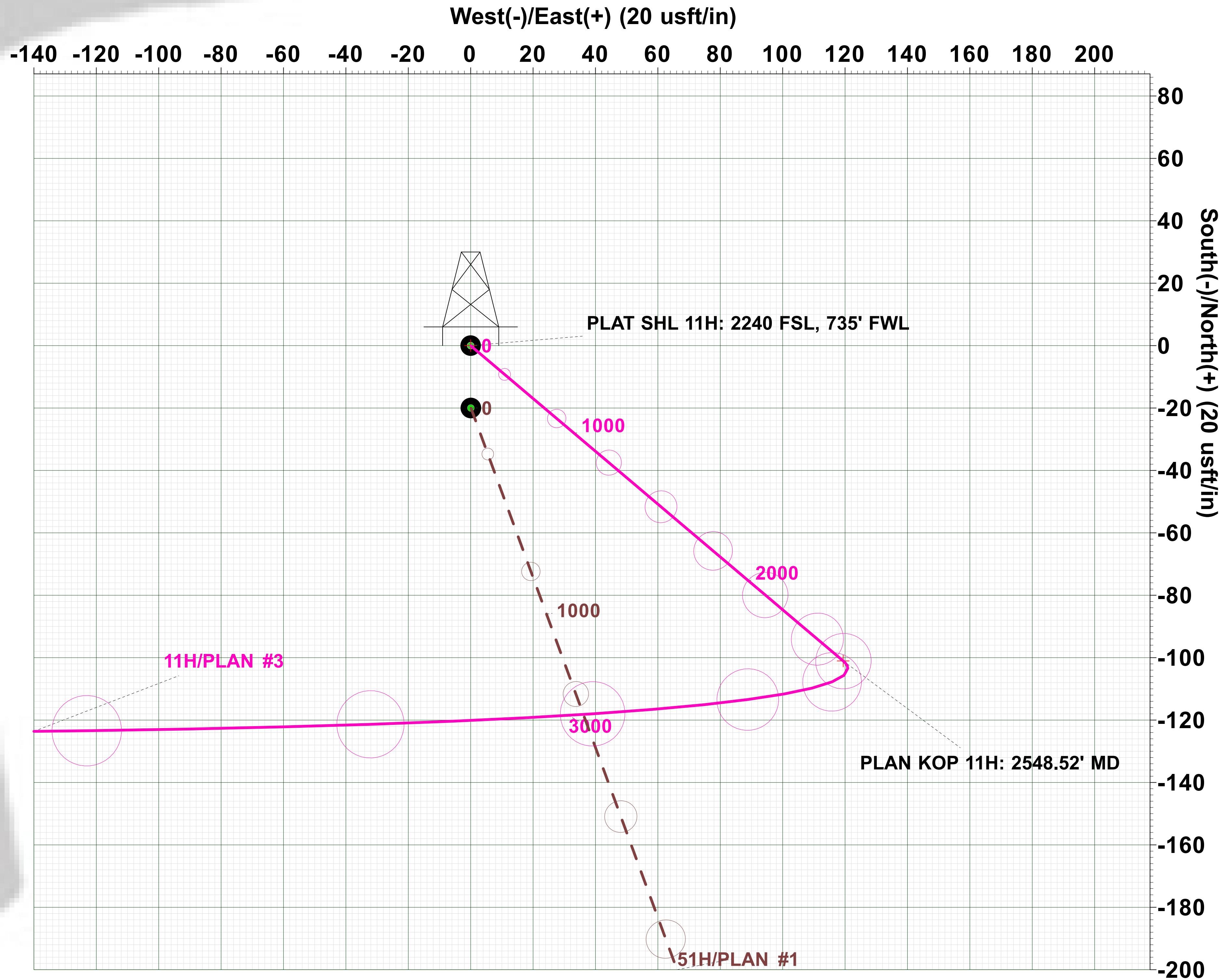
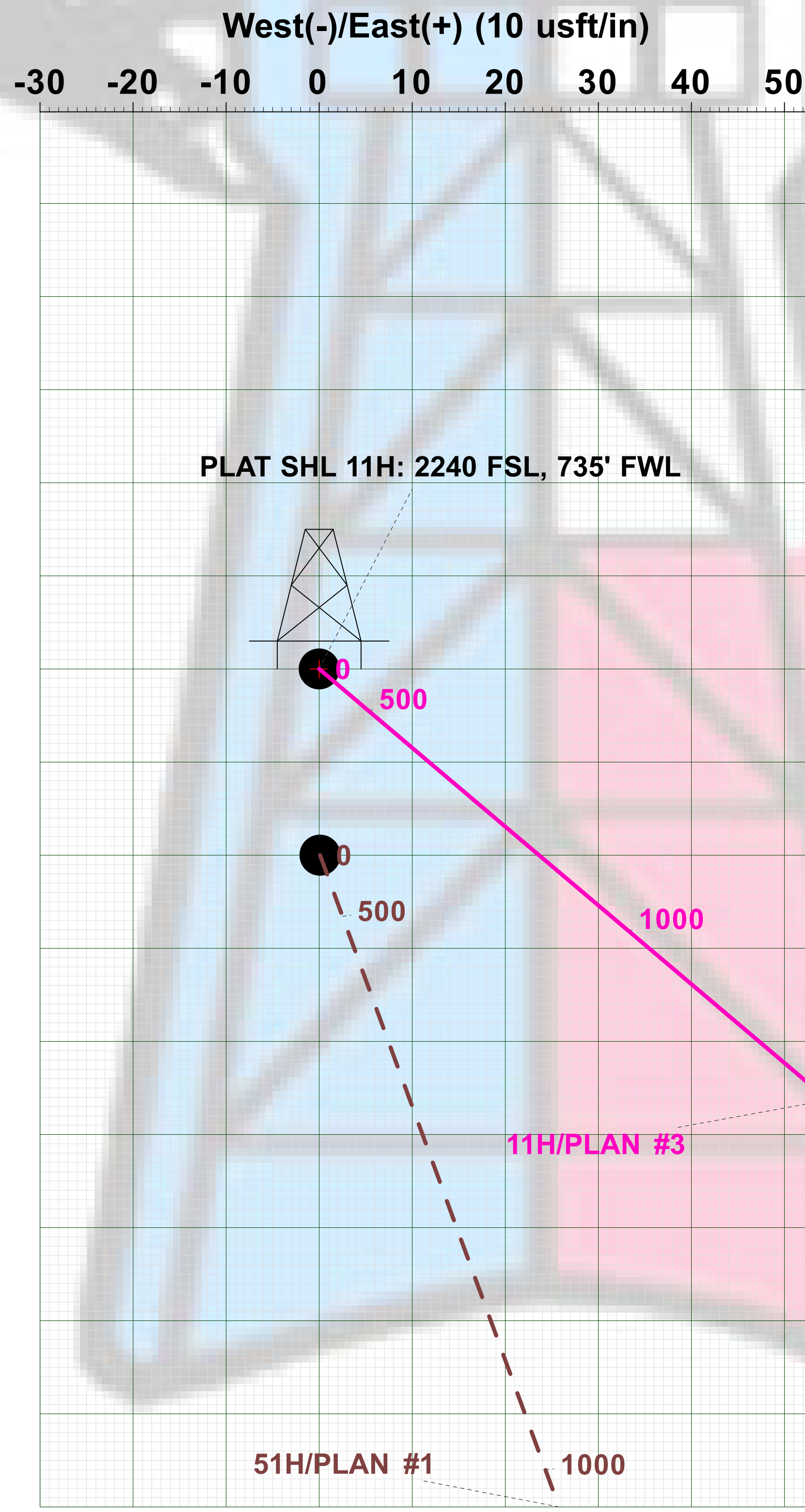
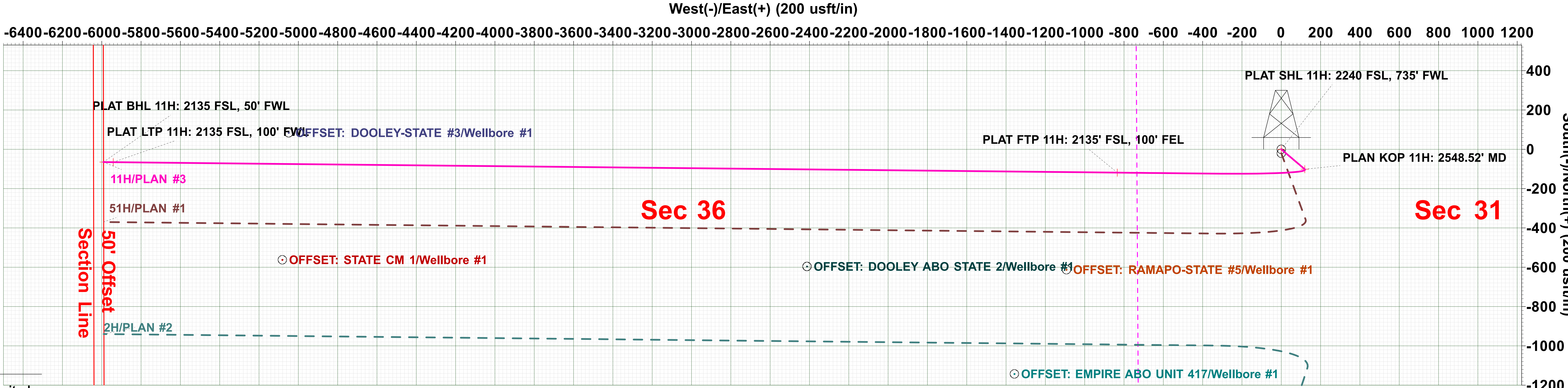
Azimuths to Grid North
True North: -0.06°
Magnetic North: 6.80°

Magnetic Field
Strength: 47727.8snT
Dip Angle: 60.31°
Date: 9/30/2021
Model: IGRF2020

PROJECT DETAILS: Eddy County, NM (NAD 83 - NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

Disclaimer:
All Plan Details, boundary
lines and offset well
location/ survey data is
provided by customer and
subject to customer
approval.



Plan: PLAN #3 (11H/Wellbore #1) AKITA 57

Created By: Matthew May Date: 6:54, November 17 2021

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

COMMENTS

Action 62218

COMMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 62218
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 11/23/2021	11/23/2021

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 62218

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 62218
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	FTP and LTP must be at least 110' from the spacing unit boundary. Otherwise an NSL administrative application for an NSL must be approved prior to putting the well into production.	11/23/2021