

Well Name: TAYLORCREST 25 FEDERAL	Well Location: T17S / R28E / SEC 30 / LOT 2 / 32.8066028 / -104.2207246	County or Parish/State: EDDY / NM
Well Number: 90H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM025527	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001554742	Operator: SPUR ENERGY PARTNERS LLC	

Notice of Intent

Sundry ID: 2866973

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 08/06/2025	Time Sundry Submitted: 08:15
Date proposed operation will begin: 09/01/2025	

Procedure Description: Spur Energy Partners requests to change the landing zone (pool) and well name for the approved APD for the Taylorcrest 25 Federal 90H (APD ID 10400089603). Old Well Info: Taylorcrest 25 Federal 90H Pool Info: Red Lake; Glorieta-Yeso, Northeast (96836) Total Measured Depth: 4225'M/9909'M New Well Info: Taylorcrest B Federal Com 110H New Pool Info: Red Lake; Queen-Grayburg-SA (51300) Total Measured Depth: 3419'V/8009'M The SHL and BHL will remain the same. Please find updated C-102, drill plan, directional plan and NGMP attached for your review.

NOI Attachments

- Procedure Description**
- Taylorcrest_B_Federal_Com_110H_NGMP_20250806081500.pdf
 - Taylorcrest_B_Federal_Com_110H_Directional_Plan_20250805131354.pdf
 - Taylorcrest_B_Federal_Com_110H_Drill_Plan_20250805131354.pdf
 - Taylorcrest_B_Federal_Com_110H_C_102_20250805131354.pdf

Received by OCD: 10/22/2025 1:33:33 PM

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Lease Number: NMNM025527	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001554742	Operator: SPUR ENERGY PARTNERS LLC	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SARAH CHAPMAN	Signed on: AUG 05, 2025 01:14 PM
Name: SPUR ENERGY PARTNERS LLC	
Title: Regulatory Director	
Street Address: 9655 KATY FREEWAY SUITE 500	
City: HOUSTON	State: TX
Phone: (281) 642-5503	
Email address: SCHAPMAN@SPURENERGY.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Approved	Disposition Date: 10/22/2025
Signature: Jonathon Shepard	

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

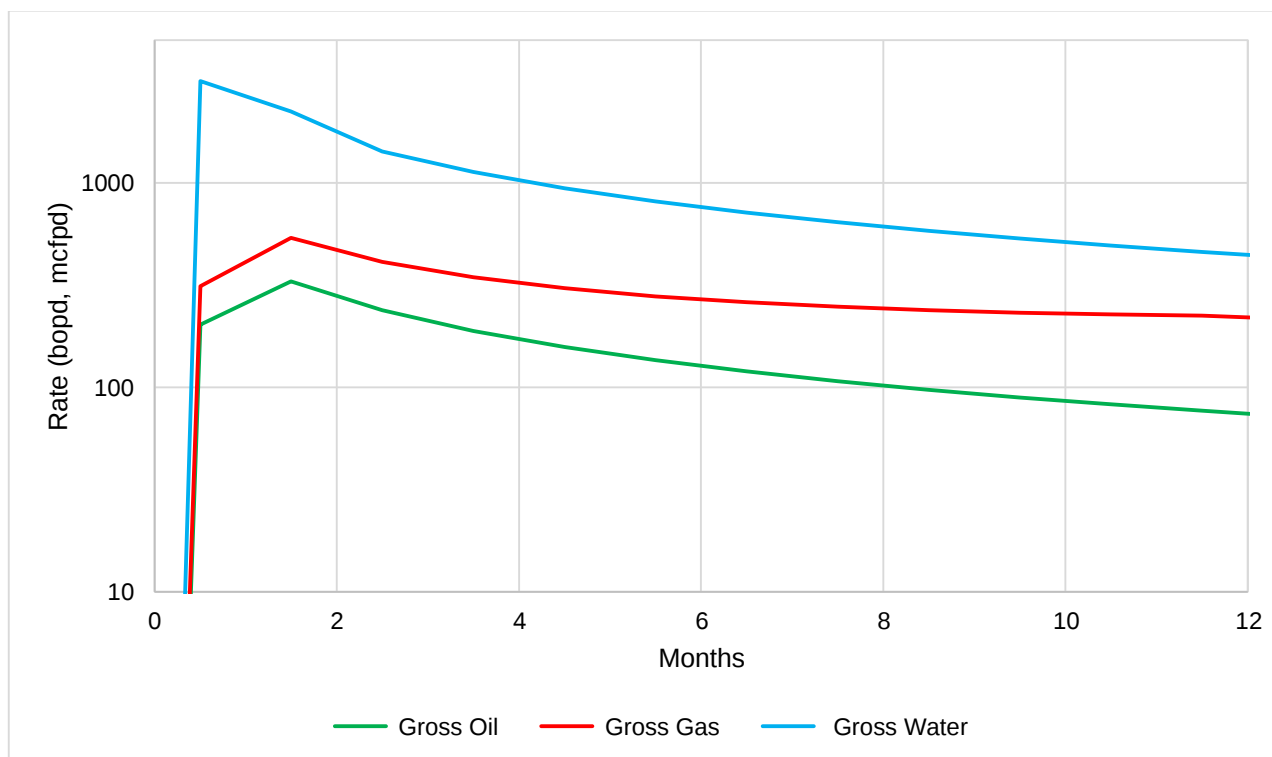
Additional Remarks

The SHL and BHL will remain the same. Please find updated C-102, drill plan, directional plan and NGMP attached for your review.

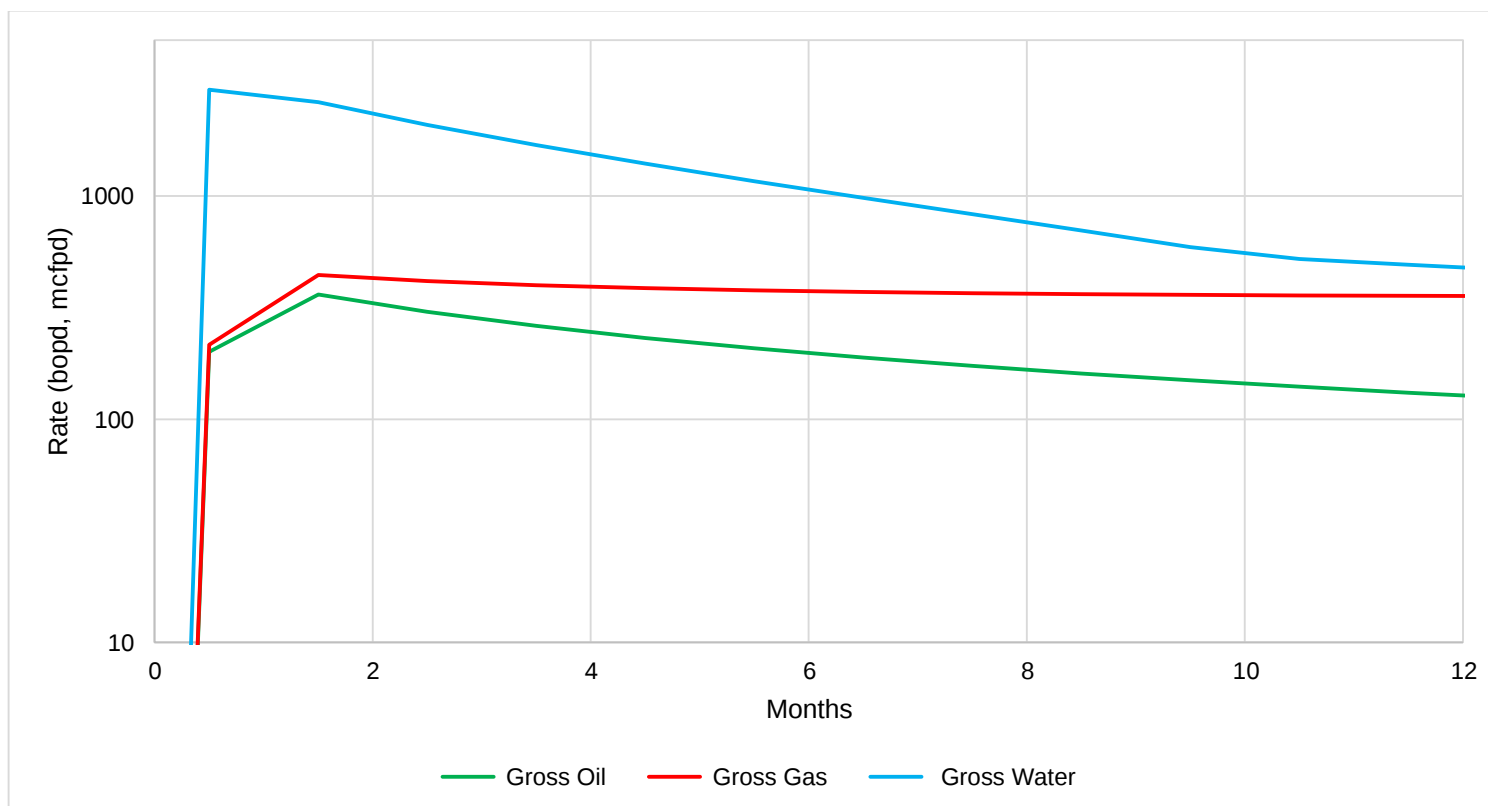
Location of Well

0. SHL: LOT 2 / 2081 FNL / 896 FWL / TWSP: 17S / RANGE: 28E / SECTION: 30 / LAT: 32.8066028 / LONG: -104.2207246 (TVD: 0 feet, MD: 0 feet)
PPP: SENE / 2043 FNL / 100 FEL / TWSP: 17S / RANGE: 27E / SECTION: 25 / LAT: 32.8066916 / LONG: -104.2239675 (TVD: 2475 feet, MD: 4778 feet)
PPP: SWNW / 2043 FNL / 1319 FWL / TWSP: 17S / RANGE: 27E / SECTION: 25 / LAT: 32.806749 / LONG: -104.236523 (TVD: 4238 feet, MD: 8638 feet)
PPP: SENW / 2043 FNL / 2639 FWL / TWSP: 17S / RANGE: 27E / SECTION: 25 / LAT: 32.80673 / LONG: -104.232227 (TVD: 4250 feet, MD: 7317 feet)
PPP: SWNE / 2043 FNL / 1321 FEL / TWSP: 17S / RANGE: 27E / SECTION: 25 / LAT: 32.80671 / LONG: -104.227931 (TVD: 4263 feet, MD: 5997 feet)
BHL: SWNW / 2043 FNL / 50 FWL / TWSP: 17S / RANGE: 27E / SECTION: 25 / LAT: 32.8067677 / LONG: -104.2406667 (TVD: 4225 feet, MD: 9909 feet)

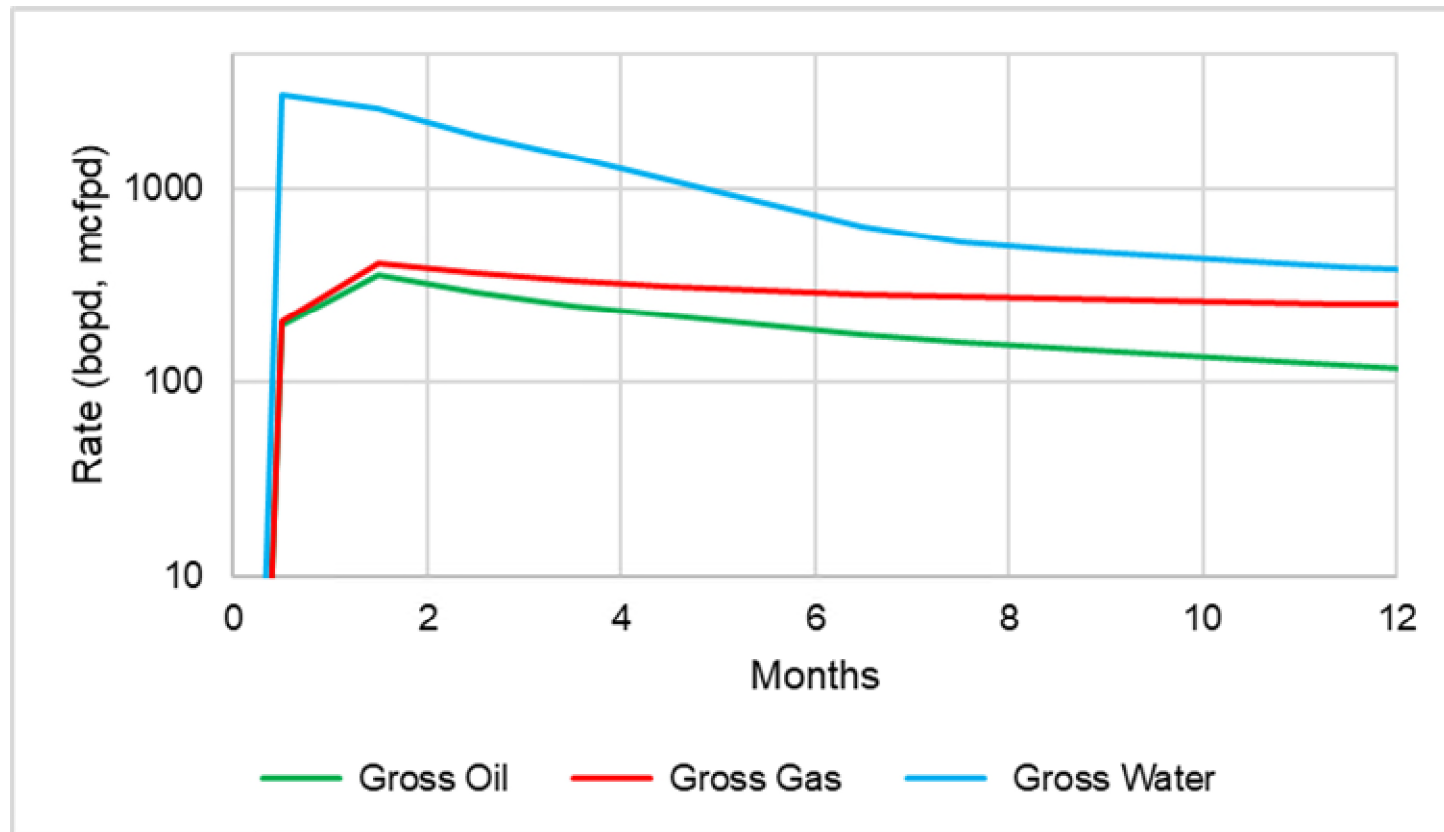
Spur Energy Partners LLC San Andres Type Curve



Loco Hills Paddock Type Curve



Loco Hills Blinebry Type Curve



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: SPUR ENERGY PARTNERS LLC **OGRID:** 328947 **Date:** 08 / 05 / 2025

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: Well numbering, landing zone changed and CTB information on Taylorcrest 25 Federal Com 90H

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
TAYLORCREST B FEDERAL COM 110H	30-015-54742	(LOT 2) E-30-17S-28E	2081' FNL 896' FWL	316 BBL/D	548 MCF/D	1897 BBL/D
TAYLORCREST 25 FEDERAL 71H	30-015-54741	(LOT 2) E-30-17-28E	2089' FNL 915' FWL	355 BBL/D	817 MCF/D	1101 BBL/D
TAYLORCREST 25 FEDERAL 21H	30-015-54739	(LOT 2) E-30-17-28E	2097' FNL 933' FWL	252 BBL/D	605 MCF/D	958 BBL/D

IV. Central Delivery Point Name: STALEY 30 STATE COM TANK BATTERY [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
TAYLORCREST B FEDERAL COM 110H	30-015-54742	12/29/2025	01/07/2026	01/31/2026	02/13/2026	02/23/2026
TAYLORCREST 25 FEDERAL 71H	30-015-54741	01/07/2026	01/17/2026	01/31/2026	02/13/2026	02/23/2026
TAYLORCREST 25 FEDERAL 21H	30-015-54739	01/17/2026	01/27/2026	01/31/2026	02/13/2026	02/23/2026

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:	<i>Sarah Chapman</i>
Printed Name:	SARAH CHAPMAN
Title:	REGULATORY DIRECTOR
E-mail Address:	SCHAPMAN@SPUREENERGY.COM
Date:	08/05/2025
Phone:	832-930-8613
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	



Natural Gas Management Plan – Attachment

VI. Separation equipment will be sized by construction engineering staff based on anticipated daily production to ensure adequate capacity.

VII. Spur Energy Partners LLC ("Spur") will take the following actions to comply with the regulations listed in 19.15.27.8:

- A. Spur will maximize the recovery of natural gas by minimizing waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. Spur will ensure that our wells will be connected to a natural gas gathering system with sufficient capacity to transport natural gas.
- B. All drilling operations will be equipped with a rig flare at least 100 feet from the nearest surface hole location. Rig flare will be utilized to combust any natural gas that is brought to surface during normal operations. In the case of emergency, flaring volumes will be reported appropriately.
- C. During completion operations any natural gas brought to surface will be flared. Immediately following completion operations, wells will flow to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. If natural gas does not meet gathering pipeline specifications, Spur will flare for 60 days or until natural gas meets the pipeline specifications. Spur will ensure flare is properly sized and is equipped with an automatic igniter or continuous pilot. Gas samples will be taken twice per week and natural gas will be routed into a gathering system as soon as the pipeline specifications are met.
- D. Natural gas will not be flared with the exception of 19.15.27.8(D)(1-4). If there is no adequate takeaway for the separator gas, wells will be shut-in until that natural gas gathering system is available with exception of emergency or malfunction situations. Volumes will be reported appropriately.
- E. Spur will comply with performance standards pursuant to 19.15.27.8(E)(1-8). All equipment will be designed and sized to handle maximum pressures to minimize waste. Storage tanks constructed after May 25, 2021 will be equipped with an automatic gauging system that reduces venting of natural gas. Flare stacks installed or replaced after May 25, 2021 will be equipped with an automatic igniter or continuous pilot. Spur will conduct AVO inspections as described in 19.15.27.8(E)(5)(a) with frequencies specified in 19.15.27.8(E)(5)(b) and (c). All emergencies or malfunctions will be resolved as quickly and safely as possible to minimize waste.
- F. The volume of natural gas that is vented or flared as the result of an emergency or malfunction during drilling and/or completion operations will be estimated and reported accordingly. The volume of natural gas that is vented, flared or beneficially used during production operations, will be measured and reported accordingly. Spur will install equipment to measure the volume of natural gas flared from existing piping or a flowline piped from equipment such as high-pressure separators, heater treaters, or VRUs associated with a well or facility associated with a well authorized by an APD after May 25, 2021 that has an average daily production of less than 60,000 cubic feet of natural gas. If metering is not practicable due to circumstances such as low flow rate or low pressure venting or flaring, Spur will estimate the volume of flared or vented natural gas. Measuring equipment will conform to industry standards and will not be equipped with a manifold



that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing equipment.

VIII. For maintenance activities involving production equipment and compression, venting be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production equipment, the associated producing wells will be shut-in to eliminate venting. For maintenance of VRUs, all natural gas normally routed to the VRU will be routed to flare.



Project: EDDY COUNTY, NM (NAD 83 - NME)
Site: TAYLORCREST B FEDERAL COM
Well: 110H
Wellbore: OH
Design: PERMIT

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

WELL DETAILS: 110H

Rig Name:		AKITA 57 RKB = 20' @ 3586.00usft (AKITA 57)			
		Ground Elevation:		3566.00	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	657193.00	575935.80	32.80660	-104.22072

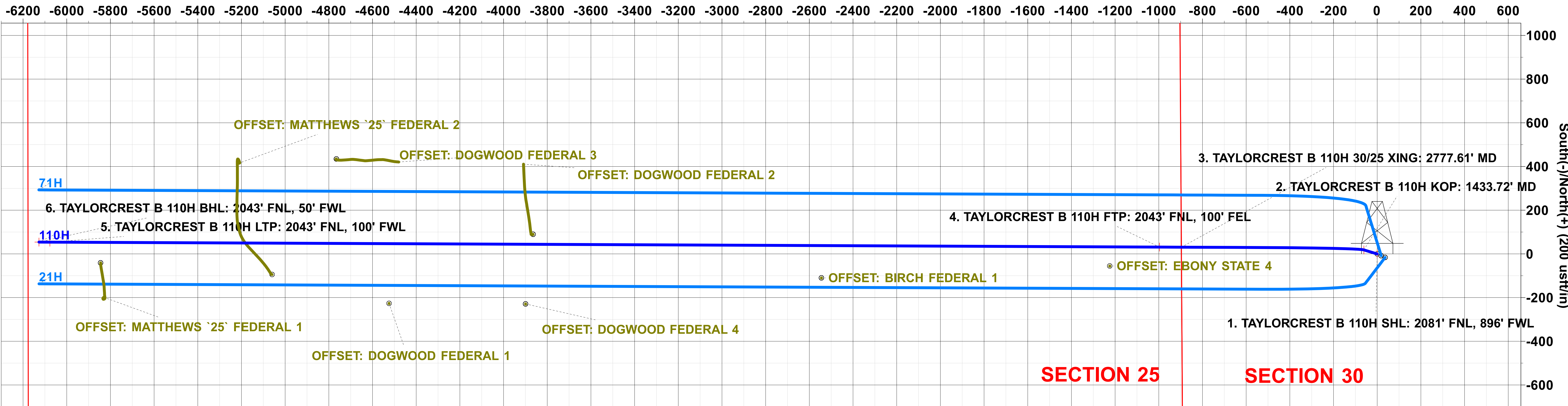
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	
3	474.05	3.48	286.72	473.95	1.52	-5.06	2.00	5.07	
4	1433.72	3.48	286.72	1431.84	18.28	-60.87	0.00	60.95	
5	2378.17	60.00	270.25	2203.24	29.26	-536.72	6.00	536.84	
6	2578.17	60.00	270.25	2303.24	30.03	-709.92	0.00	710.05	
7	2878.17	90.00	270.25	2380.00	31.30	-996.40	10.00	996.53	
8	7958.92	90.00	270.25	2380.00	53.88	-6077.10	0.00	6077.28	4. TAYLORCREST B 110H FTP: 2043' FNL, 100' FEL
9	8008.92	90.00	270.25	2380.00	54.10	-6127.10	0.00	6127.28	5. TAYLORCREST B 110H LTP: 2043' FNL, 100' FWL 6. TAYLORCREST B 110H BHL: 2043' FNL, 50' FWL

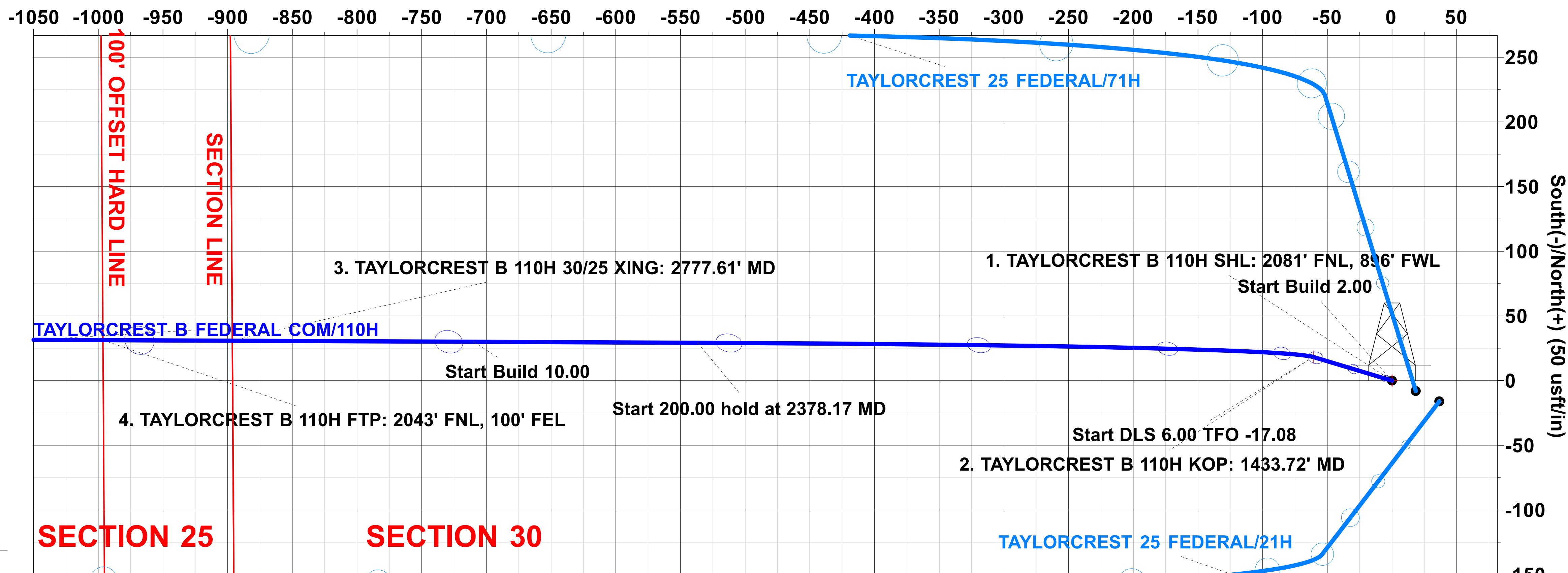
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
1. TAYLORCREST B 110H SHL: 2081' FNL, 896' FWL	0.00	0.00	0.00	657193.00	575935.80	32.80660	-104.22072
2. TAYLORCREST B 110H KOP: 1433.72' MD	1431.84	18.28	-60.87	657211.28	575874.93	32.80665	-104.22092
3. TAYLORCREST B 110H 30/25 XING: 2777.61' MD	2371.20	30.86	-896.36	657223.86	575039.44	32.80669	-104.22364
4. TAYLORCREST B 110H FTP: 2043' FNL, 100' FEL	2380.00	31.30	-996.40	657224.30	574939.40	32.80669	-104.22397
5. TAYLORCREST B 110H LTP: 2043' FNL, 100' FWL	2380.00	53.90	-6077.10	657246.90	569858.70	32.80677	-104.24050
6. TAYLORCREST B 110H BHL: 2043' FNL, 50' FWL	2380.00	54.10	-6127.10	657247.10	569808.70	32.80677	-104.24067

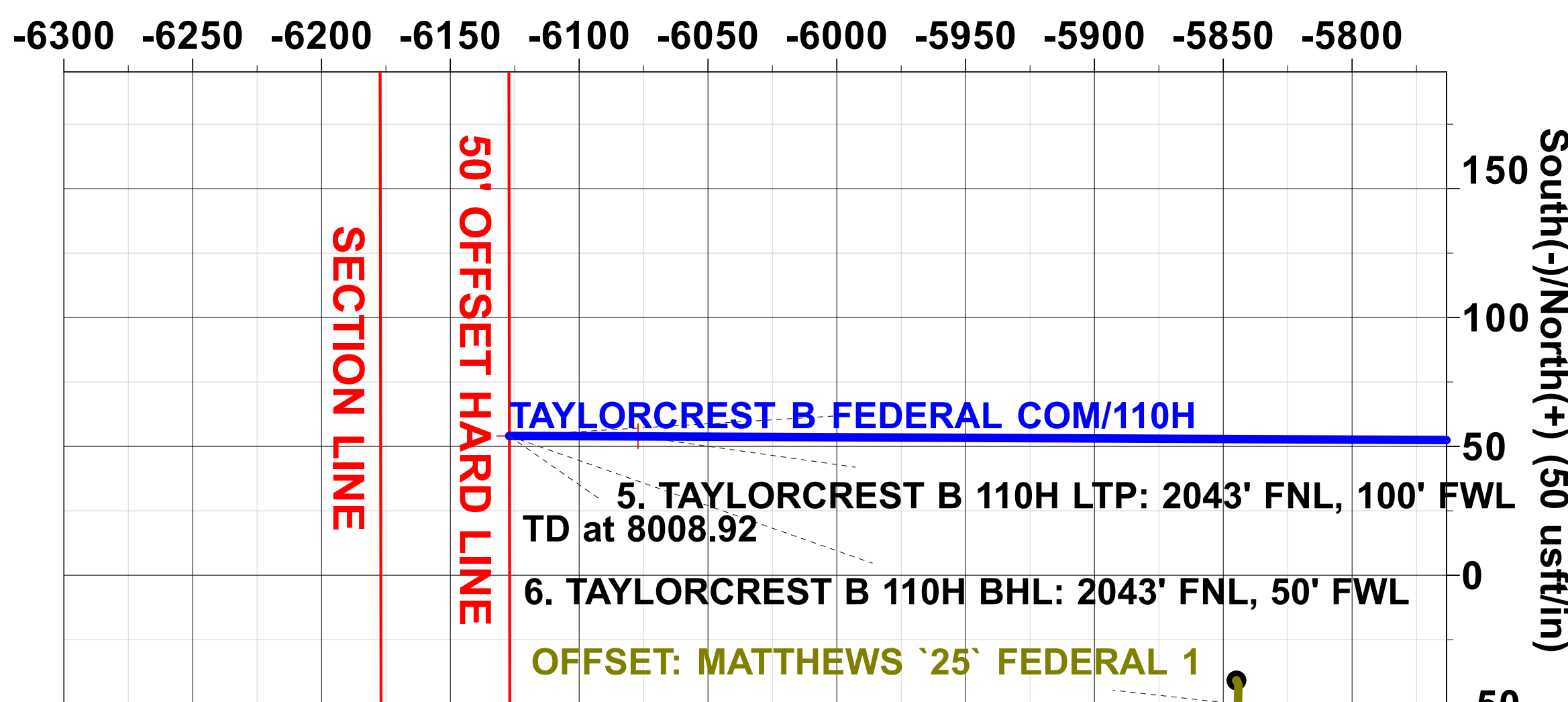
West(-)/East(+) (200 usft/in)



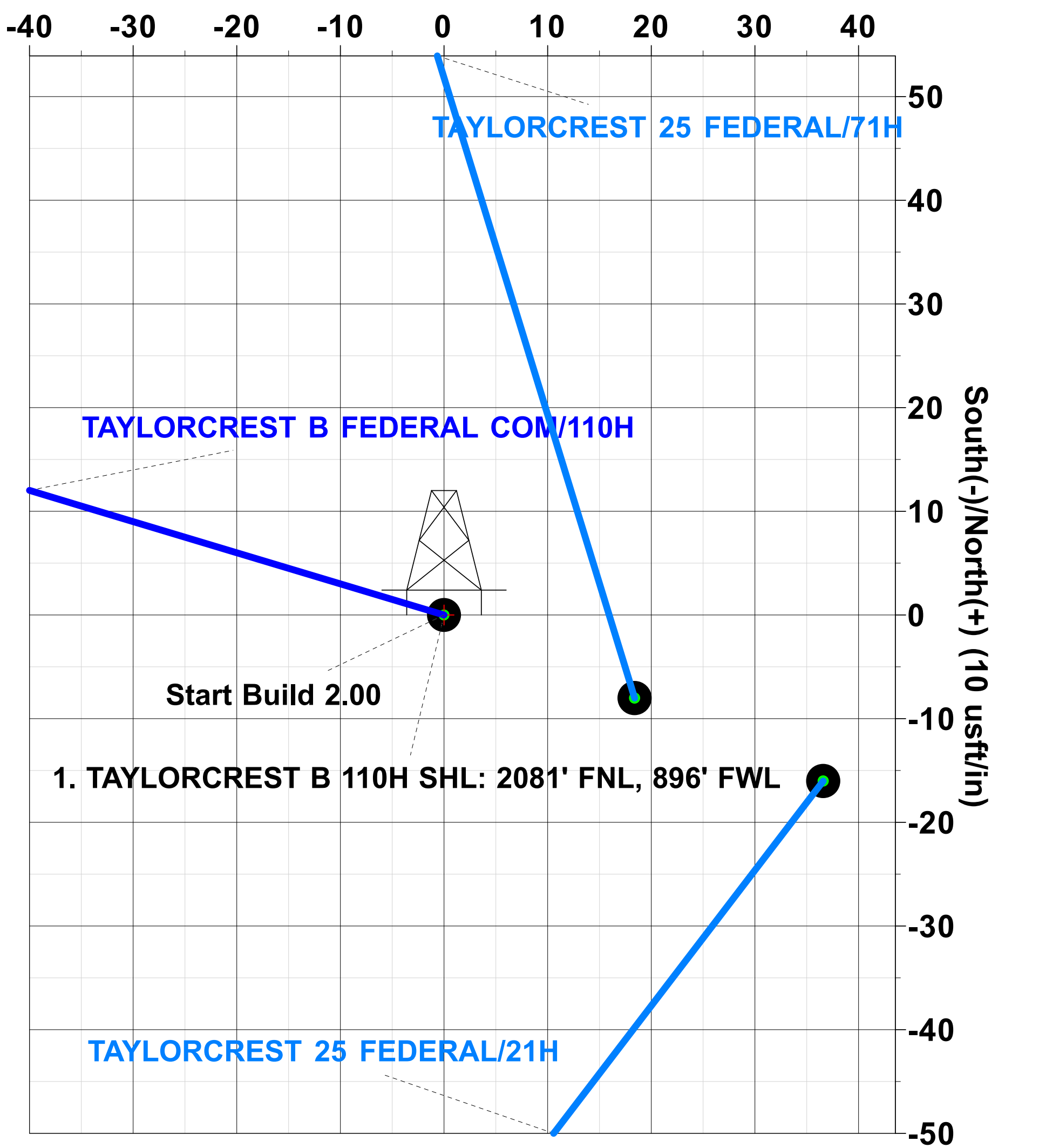
West(-)/East(+) (50 usft/in)



West(-)/East(+) (50 usft/in)

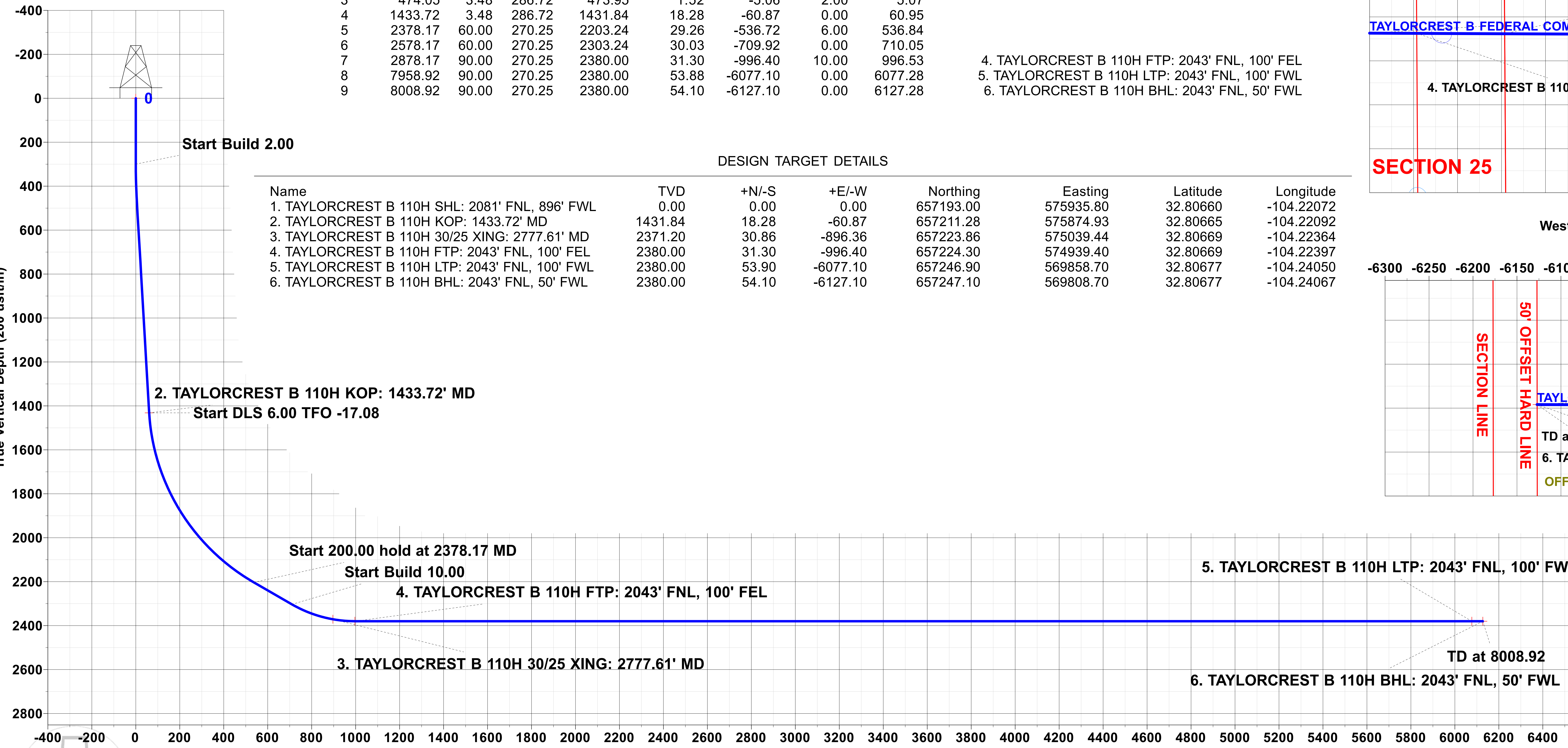


West(-)/East(+) (10 usft/in)



Plan: PERMIT (110H/OH)

Created By: PROTOTYPE WELL PLANNING Date: 12:21, July 22 2025



Vertical Section at 270.25° (200 usft/in)

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SPUR ENERGY PARTNERS, LLC

EDDY COUNTY, NM (NAD 83 - NME)

TAYLORCREST B FEDERAL COM

110H

OH

Plan: PERMIT

Standard Planning Report

22 July, 2025



**PROTOTYPE
WELL PLANNING**
WELL PLANNED. WELL EXECUTED.



PROTOTYPE

Planning Report



Database:	EDM 5000.17 Single User Db	Local Co-ordinate Reference:	Well 110H
Company:	SPUR ENERGY PARTNERS, LLC	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Project:	EDDY COUNTY, NM (NAD 83 - NME)	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site:	TAYLORCREST B FEDERAL COM	North Reference:	Grid
Well:	110H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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		

Well	110H			
Well Position	+N/-S	0.00 usft	Northing:	657,193.00 usft
	+E/-W	0.00 usft	Easting:	575,935.80 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft
Grid Convergence:		0.06 °	Ground Level:	3,566.00 usft

Design	PERMIT			
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	270.25

Plan Survey Tool Program	Date	7/22/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	8,008.92 PERMIT (OH)	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Mult	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	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	
474.05	3.48	286.72	473.95	1.52	-5.06	2.00	2.00	0.00	286.72	
1,433.72	3.48	286.72	1,431.84	18.28	-60.87	0.00	0.00	0.00	0.00	
2,378.17	60.00	270.25	2,203.24	29.26	-536.72	6.00	5.98	-1.74	-17.08	
2,578.17	60.00	270.25	2,303.24	30.03	-709.92	0.00	0.00	0.00	0.00	
2,878.17	90.00	270.25	2,380.00	31.30	-996.40	10.00	10.00	0.00	0.00	4. TAYLORCREST
7,958.92	90.00	270.25	2,380.00	53.88	-6,077.10	0.00	0.00	0.00	0.00	5. TAYLORCREST
8,008.92	90.00	270.25	2,380.00	54.10	-6,127.10	0.00	0.00	0.00	0.00	6. TAYLORCREST



PROTOTYPE Planning Report



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Company:	SPUR ENERGY PARTNERS, LLC	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Project:	EDDY COUNTY, NM (NAD 83 - NME)	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site:	TAYLORCREST B FEDERAL COM	North Reference:	Grid
Well:	110H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. TAYLORCREST B 110H SHL: 2081' FNL, 896' FWL									
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	286.72	399.98	0.50	-1.67	1.67	2.00	2.00	0.00
474.05	3.48	286.72	473.95	1.52	-5.06	5.07	2.00	2.00	0.00
500.00	3.48	286.72	499.85	1.97	-6.57	6.58	0.00	0.00	0.00
600.00	3.48	286.72	599.66	3.72	-12.39	12.40	0.00	0.00	0.00
700.00	3.48	286.72	699.48	5.47	-18.20	18.23	0.00	0.00	0.00
800.00	3.48	286.72	799.29	7.21	-24.02	24.05	0.00	0.00	0.00
900.00	3.48	286.72	899.11	8.96	-29.83	29.87	0.00	0.00	0.00
1,000.00	3.48	286.72	998.92	10.71	-35.65	35.69	0.00	0.00	0.00
1,100.00	3.48	286.72	1,098.74	12.45	-41.46	41.52	0.00	0.00	0.00
1,200.00	3.48	286.72	1,198.55	14.20	-47.28	47.34	0.00	0.00	0.00
1,300.00	3.48	286.72	1,298.37	15.95	-53.09	53.16	0.00	0.00	0.00
1,400.00	3.48	286.72	1,398.18	17.69	-58.91	58.99	0.00	0.00	0.00
1,433.72	3.48	286.72	1,431.84	18.28	-60.87	60.95	0.00	0.00	0.00
2. TAYLORCREST B 110H KOP: 1433.72' MD									
1,450.00	4.42	283.00	1,448.08	18.57	-61.95	62.04	6.00	5.79	-22.86
1,500.00	7.38	277.59	1,497.81	19.42	-67.02	67.10	6.00	5.90	-10.82
1,550.00	10.35	275.27	1,547.21	20.26	-74.67	74.76	6.00	5.96	-4.64
1,600.00	13.34	273.98	1,596.14	21.07	-84.91	85.00	6.00	5.98	-2.58
1,650.00	16.34	273.15	1,644.47	21.86	-97.69	97.78	6.00	5.99	-1.65
1,700.00	19.33	272.58	1,692.06	22.62	-112.98	113.07	6.00	5.99	-1.15
1,750.00	22.33	272.15	1,738.79	23.35	-130.74	130.84	6.00	5.99	-0.85
1,800.00	25.32	271.82	1,784.52	24.05	-150.92	151.02	6.00	5.99	-0.66
1,850.00	28.32	271.56	1,829.14	24.71	-173.47	173.58	6.00	6.00	-0.53
1,900.00	31.32	271.34	1,872.51	25.34	-198.32	198.43	6.00	6.00	-0.43
1,950.00	34.32	271.16	1,914.52	25.93	-225.41	225.52	6.00	6.00	-0.37
2,000.00	37.32	271.01	1,955.06	26.48	-254.66	254.78	6.00	6.00	-0.31
2,050.00	40.32	270.87	1,994.02	26.99	-286.00	286.11	6.00	6.00	-0.27
2,100.00	43.31	270.75	2,031.28	27.46	-319.33	319.44	6.00	6.00	-0.24
2,150.00	46.31	270.64	2,066.75	27.89	-354.56	354.68	6.00	6.00	-0.22
2,200.00	49.31	270.54	2,100.32	28.27	-391.60	391.72	6.00	6.00	-0.20
2,250.00	52.31	270.45	2,131.91	28.61	-430.35	430.47	6.00	6.00	-0.18
2,300.00	55.31	270.37	2,161.43	28.90	-470.70	470.82	6.00	6.00	-0.16
2,350.00	58.31	270.30	2,188.80	29.14	-512.54	512.66	6.00	6.00	-0.15
2,378.17	60.00	270.25	2,203.24	29.26	-536.72	536.84	6.00	6.00	-0.15
2,400.00	60.00	270.25	2,214.15	29.34	-555.63	555.75	0.00	0.00	0.00
2,500.00	60.00	270.25	2,264.15	29.73	-642.23	642.35	0.00	0.00	0.00
2,578.17	60.00	270.25	2,303.24	30.03	-709.92	710.05	0.00	0.00	0.00
2,600.00	62.18	270.25	2,313.79	30.11	-729.03	729.16	10.00	10.00	0.00
2,650.00	67.18	270.25	2,335.16	30.31	-774.22	774.34	10.00	10.00	0.00
2,700.00	72.18	270.25	2,352.52	30.52	-821.09	821.21	10.00	10.00	0.00
2,750.00	77.18	270.25	2,365.72	30.74	-869.30	869.42	10.00	10.00	0.00
2,777.61	79.94	270.25	2,371.20	30.86	-896.36	896.49	10.00	10.00	0.00
3. TAYLORCREST B 110H 30/25 XING: 2777.61' MD									
2,800.00	82.18	270.25	2,374.68	30.95	-918.47	918.60	10.00	10.00	0.00
2,850.00	87.18	270.25	2,379.31	31.17	-968.24	968.37	10.00	10.00	0.00
2,878.17	90.00	270.25	2,380.00	31.30	-996.40	996.53	10.00	10.00	0.00
4. TAYLORCREST B 110H FTP: 2043' FNL, 100' FEL									
2,900.00	90.00	270.25	2,380.00	31.40	-1,018.23	1,018.36	0.00	0.00	0.00
3,000.00	90.00	270.25	2,380.00	31.84	-1,118.23	1,118.36	0.00	0.00	0.00



PROTOTYPE Planning Report



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Project:	EDDY COUNTY, NM (NAD 83 - NME)	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site:	TAYLORCREST B FEDERAL COM	North Reference:	Grid
Well:	110H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,100.00	90.00	270.25	2,380.00	32.29	-1,218.23	1,218.36	0.00	0.00	0.00
3,200.00	90.00	270.25	2,380.00	32.73	-1,318.23	1,318.36	0.00	0.00	0.00
3,300.00	90.00	270.25	2,380.00	33.17	-1,418.23	1,418.36	0.00	0.00	0.00
3,400.00	90.00	270.25	2,380.00	33.62	-1,518.22	1,518.36	0.00	0.00	0.00
3,500.00	90.00	270.25	2,380.00	34.06	-1,618.22	1,618.36	0.00	0.00	0.00
3,600.00	90.00	270.25	2,380.00	34.51	-1,718.22	1,718.36	0.00	0.00	0.00
3,700.00	90.00	270.25	2,380.00	34.95	-1,818.22	1,818.36	0.00	0.00	0.00
3,800.00	90.00	270.25	2,380.00	35.40	-1,918.22	1,918.36	0.00	0.00	0.00
3,900.00	90.00	270.25	2,380.00	35.84	-2,018.22	2,018.36	0.00	0.00	0.00
4,000.00	90.00	270.25	2,380.00	36.29	-2,118.22	2,118.36	0.00	0.00	0.00
4,100.00	90.00	270.25	2,380.00	36.73	-2,218.22	2,218.36	0.00	0.00	0.00
4,200.00	90.00	270.25	2,380.00	37.17	-2,318.22	2,318.36	0.00	0.00	0.00
4,300.00	90.00	270.25	2,380.00	37.62	-2,418.22	2,418.36	0.00	0.00	0.00
4,400.00	90.00	270.25	2,380.00	38.06	-2,518.21	2,518.36	0.00	0.00	0.00
4,500.00	90.00	270.25	2,380.00	38.51	-2,618.21	2,618.36	0.00	0.00	0.00
4,600.00	90.00	270.25	2,380.00	38.95	-2,718.21	2,718.36	0.00	0.00	0.00
4,700.00	90.00	270.25	2,380.00	39.40	-2,818.21	2,818.36	0.00	0.00	0.00
4,800.00	90.00	270.25	2,380.00	39.84	-2,918.21	2,918.36	0.00	0.00	0.00
4,900.00	90.00	270.25	2,380.00	40.28	-3,018.21	3,018.36	0.00	0.00	0.00
5,000.00	90.00	270.25	2,380.00	40.73	-3,118.21	3,118.36	0.00	0.00	0.00
5,100.00	90.00	270.25	2,380.00	41.17	-3,218.21	3,218.36	0.00	0.00	0.00
5,200.00	90.00	270.25	2,380.00	41.62	-3,318.21	3,318.36	0.00	0.00	0.00
5,300.00	90.00	270.25	2,380.00	42.06	-3,418.21	3,418.36	0.00	0.00	0.00
5,400.00	90.00	270.25	2,380.00	42.51	-3,518.20	3,518.36	0.00	0.00	0.00
5,500.00	90.00	270.25	2,380.00	42.95	-3,618.20	3,618.36	0.00	0.00	0.00
5,600.00	90.00	270.25	2,380.00	43.40	-3,718.20	3,718.36	0.00	0.00	0.00
5,700.00	90.00	270.25	2,380.00	43.84	-3,818.20	3,818.36	0.00	0.00	0.00
5,800.00	90.00	270.25	2,380.00	44.28	-3,918.20	3,918.36	0.00	0.00	0.00
5,900.00	90.00	270.25	2,380.00	44.73	-4,018.20	4,018.36	0.00	0.00	0.00
6,000.00	90.00	270.25	2,380.00	45.17	-4,118.20	4,118.36	0.00	0.00	0.00
6,100.00	90.00	270.25	2,380.00	45.62	-4,218.20	4,218.36	0.00	0.00	0.00
6,200.00	90.00	270.25	2,380.00	46.06	-4,318.20	4,318.36	0.00	0.00	0.00
6,300.00	90.00	270.25	2,380.00	46.51	-4,418.20	4,418.36	0.00	0.00	0.00
6,400.00	90.00	270.25	2,380.00	46.95	-4,518.20	4,518.36	0.00	0.00	0.00
6,500.00	90.00	270.25	2,380.00	47.39	-4,618.19	4,618.36	0.00	0.00	0.00
6,600.00	90.00	270.25	2,380.00	47.84	-4,718.19	4,718.36	0.00	0.00	0.00
6,700.00	90.00	270.25	2,380.00	48.28	-4,818.19	4,818.36	0.00	0.00	0.00
6,800.00	90.00	270.25	2,380.00	48.73	-4,918.19	4,918.36	0.00	0.00	0.00
6,900.00	90.00	270.25	2,380.00	49.17	-5,018.19	5,018.36	0.00	0.00	0.00
7,000.00	90.00	270.25	2,380.00	49.62	-5,118.19	5,118.36	0.00	0.00	0.00
7,100.00	90.00	270.25	2,380.00	50.06	-5,218.19	5,218.36	0.00	0.00	0.00
7,200.00	90.00	270.25	2,380.00	50.51	-5,318.19	5,318.36	0.00	0.00	0.00
7,300.00	90.00	270.25	2,380.00	50.95	-5,418.19	5,418.36	0.00	0.00	0.00
7,400.00	90.00	270.25	2,380.00	51.39	-5,518.19	5,518.36	0.00	0.00	0.00
7,500.00	90.00	270.25	2,380.00	51.84	-5,618.18	5,618.36	0.00	0.00	0.00
7,600.00	90.00	270.25	2,380.00	52.28	-5,718.18	5,718.36	0.00	0.00	0.00
7,700.00	90.00	270.25	2,380.00	52.73	-5,818.18	5,818.36	0.00	0.00	0.00
7,800.00	90.00	270.25	2,380.00	53.17	-5,918.18	5,918.36	0.00	0.00	0.00
7,900.00	90.00	270.25	2,380.00	53.62	-6,018.18	6,018.36	0.00	0.00	0.00
7,958.92	90.00	270.25	2,380.00	53.88	-6,077.10	6,077.28	0.00	0.00	0.00
5. TAYLORCREST B 110H LTP: 2043' FNL, 100' FWL									
8,008.92	90.00	270.25	2,380.00	54.10	-6,127.10	6,127.28	0.00	0.00	0.00
6. TAYLORCREST B 110H BHL: 2043' FNL, 50' FWL									



PROTOTYPE
Planning Report



Database:	EDM 5000.17 Single User Db	Local Co-ordinate Reference:	Well 110H
Company:	SPUR ENERGY PARTNERS, LLC	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Project:	EDDY COUNTY, NM (NAD 83 - NME)	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site:	TAYLORCREST B FEDERAL COM	North Reference:	Grid
Well:	110H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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
1. TAYLORCREST B - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	657,193.00	575,935.80	32.80660	-104.22073
2. TAYLORCREST B - plan hits target center - Point	0.00	0.00	1,431.84	18.28	-60.87	657,211.29	575,874.93	32.80665	-104.22093
3. TAYLORCREST B - plan hits target center - Point	0.00	0.00	2,371.20	30.86	-896.36	657,223.86	575,039.44	32.80669	-104.22364
5. TAYLORCREST B - plan misses target center by 0.02usft at 7958.92usft MD (2380.00 TVD, 53.88 N, -6077.10 E) - Point	0.00	0.00	2,380.00	53.90	-6,077.10	657,246.90	569,858.70	32.80677	-104.24051
6. TAYLORCREST B - plan hits target center - Point	0.00	0.00	2,380.00	54.10	-6,127.10	657,247.10	569,808.70	32.80677	-104.24067
4. TAYLORCREST B - plan hits target center - Point	0.00	0.00	2,380.00	31.30	-996.40	657,224.30	574,939.40	32.80669	-104.22397



SPUR ENERGY PARTNERS, LLC

**EDDY COUNTY, NM (NAD 83 - NME)
TAYLORCREST B FEDERAL COM
110H**

**OH
PERMIT**

Anticollision Report

22 July, 2025



**PROTOTYPE
WELL PLANNING**
WELL PLANNED. WELL EXECUTED.



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Reference	PERMIT
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD Interval 100.00usft
Depth Range:	Unlimited
Results Limited by:	Maximum centre distance of 1,900.00usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date	7/22/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	8,008.92	PERMIT (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
TAYLORCREST 25 FEDERAL						
21H - Wellbore #1 - PERMIT	300.00	301.00	39.94	37.13	14.176	CC
21H - Wellbore #1 - PERMIT	304.45	305.47	39.95	37.09	13.986	ES
21H - Wellbore #1 - PERMIT	800.00	800.51	63.03	56.75	10.041	SF
71H - Wellbore #1 - PERMIT	300.00	300.00	20.06	17.25	7.129	CC
71H - Wellbore #1 - PERMIT	400.00	400.43	20.71	16.98	5.547	ES
71H - Wellbore #1 - PERMIT	600.00	600.62	26.43	21.43	5.289	SF
OFFSET: BIRCH FEDERAL 1 - Wellbore #1 - Wellbore #	4,425.50	2,353.07	147.78	80.40	2.193	CC, ES, SF
OFFSET: DOGWOOD FEDERAL 1 - Wellbore #1 - Wellb	6,404.76	2,382.66	272.64	179.20	2.918	CC, ES, SF
OFFSET: DOGWOOD FEDERAL 2 - Wellbore #1 - Wellb	5,769.69	2,354.27	143.43	92.78	2.832	CC, ES, SF
OFFSET: DOGWOOD FEDERAL 3 - Wellbore #1 - Wellb	6,549.73	2,384.27	382.67	323.15	6.429	CC, ES, SF
OFFSET: DOGWOOD FEDERAL 4 - Wellbore #1 - Wellb	5,779.59	2,370.11	273.18	187.52	3.189	CC, ES, SF
OFFSET: EBONY STATE 4 - Wellbore #1 - Wellbore #1	3,105.74	2,356.09	87.37	31.71	1.570	CC, ES, SF
OFFSET: MATTHEWS '25' FEDERAL 1 - Wellbore #1 - '	7,709.36	2,388.15	259.54	187.54	3.605	CC, ES, SF
OFFSET: MATTHEWS '25' FEDERAL 2 - Wellbore #1 - '	7,104.45	2,379.48	240.25	175.03	3.683	CC, ES, SF

Offset Design: TAYLORCREST 25 FEDERAL - 21H - Wellbore #1 - PERMIT													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+SAG+FDIR													Offset Well Error:	0.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	1.00	0.00	0.00	0.00	113.61	-16.00	36.60	39.94					
100.00	100.00	101.00	100.00	0.92	0.15	113.61	-16.00	36.60	39.94	38.87	1.07	37.290		
200.00	200.00	201.00	200.00	1.53	0.51	113.61	-16.00	36.60	39.94	37.91	2.03	19.660		
300.00	300.00	301.00	300.00	1.95	0.86	113.61	-16.00	36.60	39.94	37.13	2.82	14.176	CC	
304.45	304.45	305.47	304.47	1.98	0.88	113.62	-16.00	36.60	39.95	37.09	2.86	13.986	ES	
400.00	399.98	401.30	400.28	2.52	1.21	115.74	-17.42	35.51	41.28	37.56	3.72	11.100		
500.00	499.85	501.35	500.19	2.77	1.56	121.25	-21.62	32.30	45.47	41.17	4.30	10.573		
600.00	599.66	601.07	599.66	3.11	1.90	127.45	-27.22	28.01	50.89	45.92	4.97	10.235		
700.00	699.48	700.79	699.13	3.45	2.25	132.42	-32.83	23.72	56.78	51.16	5.63	10.092		
800.00	799.29	800.51	798.59	3.79	2.61	136.42	-38.44	19.43	63.03	56.75	6.28	10.041	SF	
900.00	899.11	900.23	898.06	4.13	2.96	139.69	-44.05	15.14	69.52	62.60	6.92	10.047		
1,000.00	998.92	999.94	997.53	4.47	3.32	142.40	-49.66	10.85	76.20	68.65	7.56	10.086		
1,100.00	1,098.74	1,099.66	1,096.99	4.82	3.68	144.66	-55.26	6.55	83.03	74.85	8.18	10.145		
1,200.00	1,198.55	1,199.38	1,196.46	5.16	4.04	146.58	-60.87	2.26	89.97	81.16	8.81	10.215		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - 21H - Wellbore #1 - PERMIT

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Survey Program: Reference		Offset		Semi Major Axis		Azimuth from North (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,300.00	1,298.37	1,299.09	1,295.93	5.51	4.40	148.22	-66.48	-2.03	96.99	87.57	9.42	10.292	
1,400.00	1,398.18	1,398.81	1,395.39	5.86	4.76	149.64	-72.09	-6.32	104.09	94.05	10.04	10.371	
1,500.00	1,497.81	1,498.44	1,494.77	6.21	5.12	149.85	-77.69	-10.61	112.35	101.73	10.62	10.580	
1,600.00	1,596.14	1,597.20	1,593.28	6.68	5.48	146.12	-83.24	-14.86	125.69	114.32	11.37	11.059	
1,700.00	1,692.06	1,694.00	1,689.84	7.17	5.83	139.83	-88.69	-19.02	145.68	133.42	12.26	11.884	
1,800.00	1,784.52	1,787.78	1,783.38	7.67	6.17	132.70	-93.96	-23.06	174.00	160.76	13.24	13.142	
1,900.00	1,872.51	1,877.51	1,872.89	8.17	6.50	125.96	-99.01	-26.92	211.76	197.52	14.23	14.878	
2,000.00	1,955.06	1,962.22	1,957.39	8.66	6.81	120.17	-103.77	-30.57	259.21	244.03	15.18	17.073	
2,100.00	2,031.28	2,040.97	2,035.94	9.13	7.09	115.43	-108.20	-33.95	316.01	299.95	16.06	19.676	
2,200.00	2,100.32	2,112.90	2,107.69	9.57	7.35	111.62	-112.24	-37.05	381.45	364.60	16.86	22.629	
2,300.00	2,161.43	2,177.23	2,171.86	9.98	7.59	108.57	-115.86	-39.82	454.67	437.10	17.57	25.884	
2,400.00	2,214.15	2,233.45	2,227.94	10.33	7.79	106.12	-119.02	-42.24	534.57	516.40	18.18	29.411	
2,500.00	2,264.15	2,287.03	2,281.38	10.65	7.99	104.25	-122.04	-44.54	616.89	598.16	18.73	32.940	
2,600.00	2,313.79	2,340.26	2,334.48	10.98	8.18	102.81	-125.03	-46.83	699.92	680.65	19.27	36.322	
2,700.00	2,352.52	2,382.83	2,376.94	11.31	8.33	101.56	-127.42	-48.67	788.78	769.03	19.76	39.922	
2,800.00	2,374.68	2,409.10	2,403.14	11.57	8.43	100.43	-128.90	-49.80	883.72	863.65	20.07	44.039	
2,900.00	2,380.00	2,418.67	2,412.70	11.89	8.46	99.43	-129.44	-50.21	981.84	961.65	20.19	48.630	
3,000.00	2,380.00	2,422.95	2,416.96	12.56	8.48	98.60	-129.68	-50.39	1,080.62	1,060.37	20.25	53.368	
3,100.00	2,380.00	4,199.04	3,457.19	13.46	17.50	-177.23	-158.57	-1,227.47	1,094.01	1,076.91	17.09	64.006	
3,200.00	2,380.00	4,299.04	3,456.41	14.44	18.29	-177.23	-158.13	-1,327.46	1,093.24	1,075.09	18.15	60.227	
3,300.00	2,380.00	4,399.03	3,455.63	15.46	19.12	-177.23	-157.69	-1,427.45	1,092.47	1,073.23	19.24	56.783	
3,400.00	2,380.00	4,499.03	3,454.85	16.50	19.98	-177.23	-157.25	-1,527.45	1,091.70	1,071.35	20.35	53.645	
3,500.00	2,380.00	4,599.03	3,454.07	17.55	20.86	-177.24	-156.80	-1,627.44	1,090.94	1,069.46	21.48	50.786	
3,600.00	2,380.00	4,699.03	3,453.29	18.61	21.77	-177.24	-156.36	-1,727.43	1,090.17	1,067.54	22.63	48.175	
3,700.00	2,380.00	4,799.02	3,452.51	19.68	22.70	-177.24	-155.92	-1,827.43	1,089.40	1,065.61	23.79	45.789	
3,800.00	2,380.00	4,899.02	3,451.73	20.76	23.64	-177.24	-155.48	-1,927.42	1,088.64	1,063.67	24.97	43.602	
3,900.00	2,380.00	4,999.02	3,450.95	21.84	24.60	-177.24	-155.03	-2,027.41	1,087.87	1,061.72	26.15	41.594	
4,000.00	2,380.00	5,099.01	3,450.17	22.93	25.57	-177.24	-154.59	-2,127.40	1,087.10	1,059.75	27.35	39.747	
4,100.00	2,380.00	5,199.01	3,449.40	24.02	26.56	-177.25	-154.15	-2,227.40	1,086.34	1,057.78	28.56	38.043	
4,200.00	2,380.00	5,299.01	3,448.62	25.11	27.55	-177.25	-153.71	-2,327.39	1,085.57	1,055.80	29.77	36.467	
4,300.00	2,380.00	5,399.00	3,447.84	26.21	28.56	-177.25	-153.26	-2,427.38	1,084.80	1,053.81	30.99	35.007	
4,400.00	2,380.00	5,499.00	3,447.06	27.31	29.57	-177.25	-152.82	-2,527.38	1,084.03	1,051.82	32.21	33.652	
4,500.00	2,380.00	5,599.00	3,446.28	28.41	30.59	-177.25	-152.38	-2,627.37	1,083.27	1,049.82	33.44	32.391	
4,600.00	2,380.00	5,698.99	3,445.50	29.51	31.62	-177.26	-151.94	-2,727.36	1,082.50	1,047.82	34.68	31.215	
4,700.00	2,380.00	5,798.99	3,444.72	30.62	32.66	-177.26	-151.50	-2,827.36	1,081.73	1,045.81	35.92	30.116	
4,800.00	2,380.00	5,898.99	3,443.94	31.72	33.70	-177.26	-151.05	-2,927.35	1,080.97	1,043.80	37.16	29.087	
4,900.00	2,380.00	5,998.99	3,443.16	32.83	34.74	-177.26	-150.61	-3,027.34	1,080.20	1,041.79	38.41	28.123	
5,000.00	2,380.00	6,098.98	3,442.38	33.94	35.79	-177.26	-150.17	-3,127.33	1,079.43	1,039.77	39.66	27.216	
5,100.00	2,380.00	6,198.98	3,441.60	35.05	36.85	-177.27	-149.73	-3,227.33	1,078.67	1,037.75	40.91	26.364	
5,200.00	2,380.00	6,298.98	3,440.82	36.16	37.91	-177.27	-149.28	-3,327.32	1,077.90	1,035.73	42.17	25.560	
5,300.00	2,380.00	6,398.97	3,440.04	37.28	38.97	-177.27	-148.84	-3,427.31	1,077.13	1,033.70	43.43	24.802	
5,400.00	2,380.00	6,498.97	3,439.26	38.39	40.04	-177.27	-148.40	-3,527.31	1,076.37	1,031.68	44.69	24.085	
5,500.00	2,380.00	6,598.97	3,438.48	39.50	41.11	-177.27	-147.96	-3,627.30	1,075.60	1,029.65	45.95	23.406	
5,600.00	2,380.00	6,698.96	3,437.70	40.62	42.18	-177.27	-147.51	-3,727.29	1,074.83	1,027.61	47.22	22.763	
5,700.00	2,380.00	6,798.96	3,436.92	41.73	43.26	-177.28	-147.07	-3,827.29	1,074.07	1,025.58	48.49	22.152	
5,800.00	2,380.00	6,898.96	3,436.14	42.85	44.33	-177.28	-146.63	-3,927.28	1,073.30	1,023.55	49.75	21.572	
5,900.00	2,380.00	6,998.96	3,435.37	43.97	45.41	-177.28	-146.19	-4,027.27	1,072.53	1,021.51	51.03	21.020	
6,000.00	2,380.00	7,098.95	3,434.59	45.08	46.50	-177.28	-145.75	-4,127.26	1,071.77	1,019.47	52.30	20.494	
6,100.00	2,380.00	7,198.95	3,433.81	46.20	47.58	-177.28	-145.30	-4,227.26	1,071.00	1,017.43	53.57	19.993	
6,200.00	2,380.00	7,298.95	3,433.03	47.32	48.67	-177.29	-144.86	-4,327.25	1,070.23	1,015.39	54.84	19.514	
6,300.00	2,380.00	7,398.94	3,432.25	48.44	49.75	-177.29	-144.42	-4,427.24	1,069.47	1,013.35	56.12	19.057	
6,400.00	2,380.00	7,498.94	3,431.47	49.56	50.84	-177.29	-143.98	-4,527.24	1,068.70	1,011.30	57.40	18.619	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - 21H - Wellbore #1 - PERMIT

Survey Program:		0-MWD+IFR1+SAG+FDIR						Rule Assigned:					Offset Well Error:	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
6,500.00	2,380.00	7,598.94	3,430.69	50.68	51.93	-177.29	-143.53	-4,627.23	1,067.93	1,009.26	58.67	18.201		
6,600.00	2,380.00	7,698.93	3,429.91	51.80	53.03	-177.29	-143.09	-4,727.22	1,067.17	1,007.21	59.95	17.800		
6,700.00	2,380.00	7,798.93	3,429.13	52.92	54.12	-177.29	-142.65	-4,827.21	1,066.40	1,005.17	61.23	17.415		
6,800.00	2,380.00	7,898.93	3,428.35	54.04	55.22	-177.30	-142.21	-4,927.21	1,065.63	1,003.12	62.51	17.046		
6,900.00	2,380.00	7,998.93	3,427.57	55.16	56.31	-177.30	-141.76	-5,027.20	1,064.87	1,001.07	63.80	16.692		
7,000.00	2,380.00	8,098.92	3,426.79	56.28	57.41	-177.30	-141.32	-5,127.19	1,064.10	999.02	65.08	16.351		
7,100.00	2,380.00	8,198.92	3,426.01	57.40	58.51	-177.30	-140.88	-5,227.19	1,063.33	996.97	66.36	16.023		
7,200.00	2,380.00	8,298.92	3,425.23	58.52	59.61	-177.30	-140.44	-5,327.18	1,062.57	994.92	67.65	15.708		
7,300.00	2,380.00	8,398.91	3,424.45	59.64	60.71	-177.31	-139.99	-5,427.17	1,061.80	992.87	68.93	15.404		
7,400.00	2,380.00	8,498.91	3,423.67	60.77	61.81	-177.31	-139.55	-5,527.17	1,061.04	990.82	70.22	15.111		
7,500.00	2,380.00	8,598.91	3,422.89	61.89	62.91	-177.31	-139.11	-5,627.16	1,060.27	988.77	71.50	14.828		
7,600.00	2,380.00	8,698.90	3,422.12	63.01	64.01	-177.31	-138.67	-5,727.15	1,059.50	986.71	72.79	14.556		
7,700.00	2,380.00	8,798.90	3,421.34	64.13	65.12	-177.31	-138.23	-5,827.14	1,058.74	984.66	74.08	14.292		
7,800.00	2,380.00	8,898.90	3,420.56	65.25	66.22	-177.31	-137.78	-5,927.14	1,057.97	982.61	75.37	14.038		
7,900.00	2,380.00	8,998.89	3,419.78	66.38	67.33	-177.32	-137.34	-6,027.13	1,057.20	980.55	76.65	13.792		
8,000.00	2,380.00	9,098.57	3,419.00	67.50	68.43	-177.42	-136.90	-6,126.80	1,056.44	978.50	77.94	13.554		
8,007.77	2,380.00	9,098.57	3,419.00	67.58	68.43	-179.75	-136.90	-6,126.80	1,056.41	978.32	78.09	13.529		
8,008.92	2,380.00	9,098.57	3,419.00	67.60	68.43	179.91	-136.90	-6,126.80	1,056.41	978.30	78.11	13.525		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - 71H - Wellbore #1 - PERMIT

Survey Program: 0-MWD+IFR1+SAG+FDIR														Offset Site Error: 0.00 usft	
Reference Offset				Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 0.00 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	0.00	0.00	0.00	0.00	113.50	-8.00	18.40	20.06						
100.00	100.00	100.00	100.00	0.92	0.14	113.50	-8.00	18.40	20.06	19.00	1.07	18.794			
200.00	200.00	200.00	200.00	1.53	0.50	113.50	-8.00	18.40	20.06	18.04	2.03	9.893			
300.00	300.00	300.00	300.00	1.95	0.86	113.50	-8.00	18.40	20.06	17.25	2.81	7.129 CC			
400.00	399.98	400.43	400.41	2.52	1.22	109.23	-6.32	17.88	20.71	16.98	3.73	5.547 ES			
500.00	499.85	500.70	500.54	2.77	1.59	98.09	-1.28	16.34	23.15	18.81	4.34	5.336			
600.00	599.66	600.62	600.09	3.11	1.95	83.39	6.76	13.86	26.43	21.43	5.00	5.289 SF			
700.00	699.48	700.33	699.41	3.45	2.30	71.47	15.33	11.23	31.04	25.43	5.61	5.534			
800.00	799.29	800.05	798.72	3.79	2.66	62.89	23.91	8.59	36.64	30.44	6.20	5.907			
900.00	899.11	899.76	898.03	4.13	3.01	56.69	32.48	5.96	42.84	36.05	6.78	6.314			
1,000.00	998.92	999.48	997.34	4.47	3.37	52.09	41.05	3.32	49.42	42.06	7.36	6.717			
1,100.00	1,098.74	1,099.19	1,096.65	4.82	3.73	48.59	49.62	0.69	56.24	48.32	7.92	7.099			
1,200.00	1,198.55	1,198.90	1,195.96	5.16	4.09	45.86	58.19	-1.95	63.22	54.74	8.48	7.456			
1,300.00	1,298.37	1,298.62	1,295.27	5.51	4.45	43.67	66.77	-4.58	70.33	61.29	9.03	7.786			
1,400.00	1,398.18	1,398.33	1,394.58	5.86	4.81	41.88	75.34	-7.22	77.51	67.93	9.58	8.092			
1,500.00	1,497.81	1,497.92	1,493.76	6.21	5.17	41.56	83.90	-9.85	86.27	76.17	10.09	8.546			
1,600.00	1,596.14	1,596.47	1,591.91	6.68	5.52	45.46	92.37	-12.45	101.74	90.93	10.81	9.413			
1,700.00	1,692.06	1,692.87	1,687.92	7.17	5.87	51.46	100.66	-15.00	125.33	113.63	11.69	10.718			
1,800.00	1,784.52	1,786.08	1,780.76	7.67	6.21	57.62	108.67	-17.46	158.07	145.40	12.68	12.470			
1,900.00	1,872.51	1,875.08	1,869.39	8.17	6.53	62.99	116.32	-19.82	200.38	186.71	13.67	14.655			
2,000.00	1,955.06	1,958.89	1,952.86	8.66	6.83	67.36	123.53	-22.03	252.08	237.45	14.63	17.230			
2,100.00	2,031.28	2,036.58	2,030.24	9.13	7.11	70.81	130.21	-24.08	312.61	297.09	15.52	20.141			
2,200.00	2,100.32	2,107.32	2,100.70	9.57	7.37	73.54	136.29	-25.95	381.27	364.94	16.33	23.343			
2,300.00	2,161.43	2,170.33	2,163.45	9.98	7.60	75.72	141.71	-27.62	457.22	440.16	17.06	26.803			
2,400.00	2,214.15	2,225.12	2,218.02	10.33	7.79	77.46	146.42	-29.07	539.43	521.75	17.69	30.502			
2,500.00	2,264.15	2,277.24	2,269.93	10.65	7.98	78.80	150.90	-30.44	623.70	605.45	18.25	34.182			
2,600.00	2,313.79	2,329.01	2,321.48	10.98	8.17	79.82	155.35	-31.81	708.42	689.63	18.79	37.692			
2,700.00	2,352.52	2,370.05	2,362.35	11.31	8.32	80.75	158.88	-32.89	798.64	779.35	19.29	41.399			
2,800.00	2,374.68	2,394.72	2,386.93	11.57	8.41	81.64	161.00	-33.55	894.51	874.90	19.61	45.617			
2,900.00	2,380.00	2,402.70	2,394.87	11.89	8.44	82.46	161.68	-33.76	993.17	973.42	19.74	50.304			
3,000.00	2,380.00	2,405.38	2,397.54	12.56	8.44	83.16	161.91	-33.83	1,092.31	1,072.50	19.81	55.136			
3,100.00	2,380.00	2,408.06	2,400.21	13.46	8.45	83.74	162.14	-33.90	1,191.60	1,171.72	19.87	59.956			
3,200.00	2,380.00	2,410.74	2,402.88	14.44	8.46	84.24	162.37	-33.97	1,290.99	1,271.05	19.93	64.760			
3,300.00	2,380.00	2,413.42	2,405.55	15.46	8.47	84.66	162.60	-34.04	1,390.46	1,370.46	19.99	69.546			
3,400.00	2,380.00	2,416.10	2,408.22	16.50	8.48	85.02	162.84	-34.11	1,489.99	1,469.94	20.05	74.313			
3,500.00	2,380.00	2,418.78	2,410.89	17.55	8.49	85.34	163.07	-34.18	1,589.59	1,569.48	20.11	79.059			
3,600.00	2,380.00	5,310.88	4,039.13	18.61	23.25	-5.54	273.59	-1,741.42	1,676.43	1,654.20	22.23	75.415			
3,700.00	2,380.00	5,410.87	4,037.67	19.68	24.13	-5.54	274.03	-1,841.40	1,674.98	1,651.63	23.35	71.741			
3,800.00	2,380.00	5,510.86	4,036.21	20.76	25.02	-5.53	274.48	-1,941.38	1,673.53	1,649.05	24.48	68.364			
3,900.00	2,380.00	5,610.85	4,034.74	21.84	25.94	-5.53	274.92	-2,041.36	1,672.09	1,646.46	25.62	65.255			
4,000.00	2,380.00	5,710.83	4,033.28	22.93	26.87	-5.52	275.36	-2,141.33	1,670.64	1,643.86	26.78	62.388			
4,100.00	2,380.00	5,810.82	4,031.82	24.02	27.81	-5.52	275.80	-2,241.31	1,669.19	1,641.25	27.94	59.737			
4,200.00	2,380.00	5,910.81	4,030.36	25.11	28.77	-5.51	276.25	-2,341.29	1,667.74	1,638.63	29.11	57.282			
4,300.00	2,380.00	6,010.80	4,028.90	26.21	29.74	-5.51	276.69	-2,441.27	1,666.30	1,636.00	30.29	55.003			
4,400.00	2,380.00	6,110.79	4,027.43	27.31	30.72	-5.50	277.13	-2,541.24	1,664.85	1,633.37	31.48	52.884			
4,500.00	2,380.00	6,210.78	4,025.97	28.41	31.71	-5.50	277.57	-2,641.22	1,663.40	1,630.73	32.67	50.910			
4,600.00	2,380.00	6,310.77	4,024.51	29.51	32.71	-5.49	278.01	-2,741.20	1,661.96	1,628.08	33.87	49.067			
4,700.00	2,380.00	6,410.76	4,023.05	30.62	33.71	-5.49	278.46	-2,841.18	1,660.51	1,625.43	35.07	47.343			
4,800.00	2,380.00	6,510.75	4,021.59	31.72	34.73	-5.48	278.90	-2,941.16	1,659.06	1,622.78	36.28	45.728			
4,900.00	2,380.00	6,610.74	4,020.13	32.83	35.75	-5.48	279.34	-3,041.13	1,657.61	1,620.12	37.49	44.213			
5,000.00	2,380.00	6,710.73	4,018.66	33.94	36.77	-5.47	279.78	-3,141.11	1,656.17	1,617.46	38.71	42.788			
5,100.00	2,380.00	6,810.72	4,017.20	35.05	37.80	-5.47	280.23	-3,241.09	1,654.72	1,614.80	39.92	41.447			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - 71H - Wellbore #1 - PERMIT

Survey Program: 0-MWD+IFR1+SAG+FDIR										Offset Site Error:	0.00 usft
Rule Assigned:										Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Minimum Separation (usft)	Warning
5,200.00	2,380.00	6,910.71	4,015.74	36.16	38.84	-5.46	280.67	-3,341.07	1,653.27	41.14	40.182
5,300.00	2,380.00	7,010.70	4,014.28	37.28	39.88	-5.46	281.11	-3,441.04	1,651.83	42.37	38.987
5,400.00	2,380.00	7,110.69	4,012.82	38.39	40.93	-5.45	281.55	-3,541.02	1,650.38	43.59	37.857
5,500.00	2,380.00	7,210.67	4,011.35	39.50	41.98	-5.45	282.00	-3,641.00	1,648.93	44.82	36.787
5,600.00	2,380.00	7,310.66	4,009.89	40.62	43.03	-5.44	282.44	-3,740.98	1,647.49	46.05	35.773
5,700.00	2,380.00	7,410.65	4,008.43	41.73	44.09	-5.44	282.88	-3,840.95	1,646.04	47.29	34.810
5,800.00	2,380.00	7,510.64	4,006.97	42.85	45.15	-5.43	283.32	-3,940.93	1,644.59	48.52	33.894
5,900.00	2,380.00	7,610.63	4,005.51	43.97	46.22	-5.43	283.77	-4,040.91	1,643.15	49.76	33.023
6,000.00	2,380.00	7,710.62	4,004.05	45.08	47.28	-5.42	284.21	-4,140.89	1,641.70	51.00	32.192
6,100.00	2,380.00	7,810.61	4,002.58	46.20	48.35	-5.42	284.65	-4,240.86	1,640.25	52.24	31.401
6,200.00	2,380.00	7,910.60	4,001.12	47.32	49.43	-5.41	285.09	-4,340.84	1,638.81	53.48	30.645
6,300.00	2,380.00	8,010.59	3,999.66	48.44	50.50	-5.41	285.54	-4,440.82	1,637.36	54.72	29.923
6,400.00	2,380.00	8,110.58	3,998.20	49.56	51.58	-5.40	285.98	-4,540.80	1,635.91	55.96	29.232
6,500.00	2,380.00	8,210.57	3,996.74	50.68	52.66	-5.40	286.42	-4,640.78	1,634.47	57.21	28.571
6,600.00	2,380.00	8,310.56	3,995.27	51.80	53.74	-5.39	286.86	-4,740.75	1,633.02	58.45	27.937
6,700.00	2,380.00	8,410.55	3,993.81	52.92	54.82	-5.39	287.31	-4,840.73	1,631.57	59.70	27.329
6,800.00	2,380.00	8,510.54	3,992.35	54.04	55.90	-5.38	287.75	-4,940.71	1,630.13	60.95	26.746
6,900.00	2,380.00	8,610.52	3,990.89	55.16	56.99	-5.38	288.19	-5,040.69	1,628.68	62.20	26.185
7,000.00	2,380.00	8,710.51	3,989.43	56.28	58.07	-5.37	288.63	-5,140.66	1,627.23	63.45	25.647
7,100.00	2,380.00	8,810.50	3,987.97	57.40	59.16	-5.37	289.08	-5,240.64	1,625.79	64.70	25.128
7,200.00	2,380.00	8,910.49	3,986.50	58.52	60.25	-5.36	289.52	-5,340.62	1,624.34	65.95	24.630
7,300.00	2,380.00	9,010.48	3,985.04	59.64	61.34	-5.36	289.96	-5,440.60	1,622.90	67.20	24.149
7,400.00	2,380.00	9,110.47	3,983.58	60.77	62.44	-5.35	290.40	-5,540.57	1,621.45	68.46	23.686
7,500.00	2,380.00	9,210.46	3,982.12	61.89	63.53	-5.35	290.85	-5,640.55	1,620.00	69.71	23.239
7,600.00	2,380.00	9,310.45	3,980.66	63.01	64.62	-5.34	291.29	-5,740.53	1,618.56	70.96	22.808
7,700.00	2,380.00	9,410.44	3,979.19	64.13	65.72	-5.34	291.73	-5,840.51	1,617.11	72.22	22.391
7,800.00	2,380.00	9,510.43	3,977.73	65.25	66.82	-5.33	292.17	-5,940.48	1,615.66	73.48	21.989
7,900.00	2,380.00	9,610.42	3,976.27	66.38	67.91	-5.33	292.62	-6,040.46	1,614.22	74.73	21.600
8,000.00	2,380.00	9,697.37	3,975.00	67.50	68.87	-2.21	293.00	-6,127.40	1,612.82	76.02	21.216
8,008.92	2,380.00	9,697.37	3,975.00	67.60	68.87	-0.07	293.00	-6,127.40	1,612.79	76.15	21.179

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - OFFSET: BIRCH FEDERAL 1 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 323-INC-ONLY		Reference Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
2,600.00	2,313.79	2,286.60	2,313.55	10.98	38.56	-94.40	-109.49	-2,544.42	1,820.75	1,771.44	49.30	36.929		
2,700.00	2,352.52	2,325.29	2,352.24	11.31	39.27	-94.65	-109.56	-2,544.42	1,729.01	1,678.70	50.31	34.367		
2,800.00	2,374.68	2,347.74	2,374.68	11.57	39.69	-94.94	-109.60	-2,544.42	1,632.01	1,581.11	50.90	32.063		
2,900.00	2,380.00	2,353.07	2,380.00	11.89	39.79	-95.28	-109.60	-2,544.42	1,532.69	1,481.63	51.06	30.018		
3,000.00	2,380.00	2,353.07	2,380.00	12.56	39.79	-95.66	-109.60	-2,544.42	1,433.19	1,382.11	51.08	28.059		
3,100.00	2,380.00	2,353.07	2,380.00	13.46	39.79	-96.11	-109.60	-2,544.42	1,333.76	1,282.66	51.10	26.101		
3,200.00	2,380.00	2,353.07	2,380.00	14.44	39.79	-96.62	-109.60	-2,544.42	1,234.43	1,183.30	51.13	24.143		
3,300.00	2,380.00	2,353.07	2,380.00	15.46	39.79	-97.23	-109.60	-2,544.42	1,135.21	1,084.04	51.17	22.186		
3,400.00	2,380.00	2,353.07	2,380.00	16.50	39.79	-97.95	-109.60	-2,544.42	1,036.14	984.92	51.22	20.229		
3,500.00	2,380.00	2,353.07	2,380.00	17.55	39.79	-98.82	-109.60	-2,544.42	937.27	885.98	51.29	18.273		
3,600.00	2,380.00	2,353.07	2,380.00	18.61	39.79	-99.89	-109.60	-2,544.42	838.67	787.28	51.40	16.318		
3,700.00	2,380.00	2,353.07	2,380.00	19.68	39.79	-101.26	-109.60	-2,544.42	740.45	688.90	51.55	14.365		
3,800.00	2,380.00	2,353.07	2,380.00	20.76	39.79	-103.04	-109.60	-2,544.42	642.77	590.99	51.78	12.414		
3,900.00	2,380.00	2,353.07	2,380.00	21.84	39.79	-105.45	-109.60	-2,544.42	545.93	493.77	52.16	10.467		
4,000.00	2,380.00	2,353.07	2,380.00	22.93	39.79	-108.90	-109.60	-2,544.42	450.48	397.67	52.81	8.531		
4,100.00	2,380.00	2,353.07	2,380.00	24.02	39.79	-114.16	-109.60	-2,544.42	357.52	303.52	54.00	6.620		
4,200.00	2,380.00	2,353.07	2,380.00	25.11	39.79	-122.98	-109.60	-2,544.42	269.65	213.30	56.35	4.786		
4,300.00	2,380.00	2,353.07	2,380.00	26.21	39.79	-139.39	-109.60	-2,544.42	193.91	133.02	60.89	3.185		
4,400.00	2,380.00	2,353.07	2,380.00	27.31	39.79	-169.94	-109.60	-2,544.42	149.97	83.27	66.70	2.248		
4,425.50	2,380.00	2,353.07	2,380.00	27.59	39.79	-179.73	-109.60	-2,544.42	147.78	80.40	67.38	2.193	CC, ES, SF	
4,500.00	2,380.00	2,353.07	2,380.00	28.41	39.79	153.52	-109.60	-2,544.42	165.47	99.61	65.87	2.512		
4,600.00	2,380.00	2,353.07	2,380.00	29.51	39.79	130.52	-109.60	-2,544.42	228.63	167.51	61.11	3.741		
4,700.00	2,380.00	2,353.07	2,380.00	30.62	39.79	118.55	-109.60	-2,544.42	311.71	253.83	57.88	5.386		
4,800.00	2,380.00	2,353.07	2,380.00	31.72	39.79	111.79	-109.60	-2,544.42	402.56	346.53	56.03	7.185		
4,900.00	2,380.00	2,353.07	2,380.00	32.83	39.79	107.55	-109.60	-2,544.42	496.93	442.00	54.94	9.046		
5,000.00	2,380.00	2,353.07	2,380.00	33.94	39.79	104.68	-109.60	-2,544.42	593.15	538.90	54.25	10.933		
5,100.00	2,380.00	2,353.07	2,380.00	35.05	39.79	102.61	-109.60	-2,544.42	690.45	636.65	53.80	12.833		
5,200.00	2,380.00	2,353.07	2,380.00	36.16	39.79	101.06	-109.60	-2,544.42	788.42	734.93	53.50	14.737		
5,300.00	2,380.00	2,353.07	2,380.00	37.28	39.79	99.85	-109.60	-2,544.42	886.85	833.57	53.28	16.644		
5,400.00	2,380.00	2,353.07	2,380.00	38.39	39.79	98.88	-109.60	-2,544.42	985.59	932.46	53.13	18.550		
5,500.00	2,380.00	2,353.07	2,380.00	39.50	39.79	98.09	-109.60	-2,544.42	1,084.57	1,031.54	53.02	20.454		
5,600.00	2,380.00	2,353.07	2,380.00	40.62	39.79	97.43	-109.60	-2,544.42	1,183.71	1,130.77	52.95	22.357		
5,700.00	2,380.00	2,353.07	2,380.00	41.73	39.79	96.87	-109.60	-2,544.42	1,282.99	1,230.10	52.89	24.257		
5,800.00	2,380.00	2,353.07	2,380.00	42.85	39.79	96.39	-109.60	-2,544.42	1,382.37	1,329.52	52.86	26.154		
5,900.00	2,380.00	2,353.07	2,380.00	43.97	39.79	95.98	-109.60	-2,544.42	1,481.84	1,429.01	52.83	28.048		
6,000.00	2,380.00	2,353.07	2,380.00	45.08	39.79	95.62	-109.60	-2,544.42	1,581.37	1,528.55	52.82	29.938		
6,100.00	2,380.00	2,353.07	2,380.00	46.20	39.79	95.30	-109.60	-2,544.42	1,680.96	1,628.14	52.82	31.825		
6,200.00	2,380.00	2,353.07	2,380.00	47.32	39.79	95.02	-109.60	-2,544.42	1,780.59	1,727.77	52.82	33.708		
6,300.00	2,380.00	2,353.07	2,380.00	48.44	39.79	94.76	-109.60	-2,544.42	1,880.27	1,827.43	52.84	35.587		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - OFFSET: DOGWOOD FEDERAL 1 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Survey Program: 164-INC-ONLY		Reference		Offset		Semi Major Axis		Azimuth from North (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Reference	Offset		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,600.00	2,380.00	2,382.68	2,379.55	29.51	43.83	-98.34	-225.66	-4,524.17	1,825.24	1,769.10	56.14	32.513			
4,700.00	2,380.00	2,382.68	2,379.54	30.62	43.83	-98.83	-225.66	-4,524.17	1,726.43	1,670.12	56.31	30.660			
4,800.00	2,380.00	2,382.67	2,379.54	31.72	43.83	-99.39	-225.66	-4,524.17	1,627.76	1,571.25	56.51	28.805			
4,900.00	2,380.00	2,382.67	2,379.54	32.83	43.83	-100.01	-225.66	-4,524.17	1,529.26	1,472.51	56.75	26.948			
5,000.00	2,380.00	2,382.67	2,379.54	33.94	43.83	-100.73	-225.66	-4,524.17	1,430.98	1,373.94	57.04	25.088			
5,100.00	2,380.00	2,382.67	2,379.54	35.05	43.83	-101.55	-225.66	-4,524.17	1,332.94	1,275.55	57.39	23.226			
5,200.00	2,380.00	2,382.67	2,379.54	36.16	43.83	-102.50	-225.66	-4,524.17	1,235.23	1,177.40	57.82	21.362			
5,300.00	2,380.00	2,382.67	2,379.54	37.28	43.83	-103.61	-225.66	-4,524.17	1,137.91	1,079.54	58.36	19.497			
5,400.00	2,380.00	2,382.67	2,379.54	38.39	43.83	-104.93	-225.66	-4,524.17	1,041.10	982.05	59.05	17.632			
5,500.00	2,380.00	2,382.67	2,379.54	39.50	43.83	-106.51	-225.66	-4,524.17	944.95	885.03	59.92	15.771			
5,600.00	2,380.00	2,382.67	2,379.54	40.62	43.83	-108.46	-225.66	-4,524.17	849.69	788.65	61.04	13.919			
5,700.00	2,380.00	2,382.67	2,379.54	41.73	43.83	-110.89	-225.66	-4,524.17	755.66	693.13	62.53	12.086			
5,800.00	2,380.00	2,382.67	2,379.54	42.85	43.83	-114.01	-225.66	-4,524.17	663.38	598.87	64.51	10.284			
5,900.00	2,380.00	2,382.67	2,379.54	43.97	43.83	-118.12	-225.66	-4,524.17	573.69	506.50	67.19	8.539			
6,000.00	2,380.00	2,382.67	2,379.53	45.08	43.83	-123.71	-225.66	-4,524.17	488.02	417.16	70.86	6.887			
6,100.00	2,380.00	2,382.66	2,379.53	46.20	43.83	-131.56	-225.66	-4,524.17	408.92	333.07	75.85	5.391			
6,200.00	2,380.00	2,382.66	2,379.53	47.32	43.83	-142.84	-225.66	-4,524.17	340.97	258.68	82.28	4.144			
6,300.00	2,380.00	2,382.66	2,379.53	48.44	43.83	-158.73	-225.66	-4,524.17	292.07	202.87	89.20	3.274			
6,400.00	2,380.00	2,382.66	2,379.53	49.56	43.83	-178.74	-225.66	-4,524.17	272.68	179.30	93.37	2.920			
6,404.76	2,380.00	2,382.66	2,379.53	49.61	43.83	-179.74	-225.66	-4,524.17	272.64	179.20	93.44	2.918 CC, ES, SF			
6,500.00	2,380.00	2,382.66	2,379.53	50.68	43.83	161.00	-225.66	-4,524.17	288.79	196.89	91.90	3.142			
6,600.00	2,380.00	2,382.66	2,379.53	51.80	43.83	144.65	-225.66	-4,524.17	335.33	248.67	86.66	3.869			
6,700.00	2,380.00	2,382.66	2,379.53	52.92	43.83	132.98	-225.66	-4,524.17	401.87	320.84	81.02	4.960			
6,800.00	2,380.00	2,382.66	2,379.53	54.04	43.83	124.85	-225.66	-4,524.17	480.15	403.79	76.36	6.288			
6,900.00	2,380.00	2,382.66	2,379.53	55.16	43.83	119.09	-225.66	-4,524.17	565.32	492.52	72.80	7.766			
7,000.00	2,380.00	2,382.66	2,379.53	56.28	43.83	114.86	-225.66	-4,524.17	654.70	584.59	70.12	9.338			
7,100.00	2,380.00	2,382.66	2,379.53	57.40	43.83	111.67	-225.66	-4,524.17	746.78	678.70	68.08	10.969			
7,200.00	2,380.00	2,382.66	2,379.53	58.52	43.83	109.18	-225.66	-4,524.17	840.67	774.16	66.51	12.639			
7,300.00	2,380.00	2,382.66	2,379.53	59.64	43.83	107.19	-225.66	-4,524.17	935.83	870.54	65.29	14.334			
7,400.00	2,380.00	2,382.65	2,379.52	60.77	43.83	105.57	-225.66	-4,524.17	1,031.90	967.58	64.32	16.043			
7,500.00	2,380.00	2,382.65	2,379.52	61.89	43.83	104.23	-225.66	-4,524.17	1,128.66	1,065.11	63.55	17.761			
7,600.00	2,380.00	2,382.65	2,379.52	63.01	43.83	103.10	-225.66	-4,524.17	1,225.94	1,163.02	62.92	19.485			
7,700.00	2,380.00	2,382.65	2,379.52	64.13	43.83	102.14	-225.66	-4,524.17	1,323.62	1,261.22	62.40	21.211			
7,800.00	2,380.00	2,382.65	2,379.52	65.25	43.83	101.31	-225.66	-4,524.17	1,421.62	1,359.64	61.98	22.937			
7,900.00	2,380.00	2,382.65	2,379.52	66.38	43.83	100.59	-225.66	-4,524.17	1,519.89	1,458.26	61.63	24.662			
8,000.00	2,380.00	2,382.65	2,379.52	67.50	43.83	99.95	-225.66	-4,524.17	1,618.37	1,557.03	61.34	26.385			
8,008.92	2,380.00	2,382.65	2,379.52	67.60	43.83	99.90	-225.66	-4,524.17	1,627.16	1,565.85	61.31	26.539			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - OFFSET: DOGWOOD FEDERAL 2 - Wellbore #1 - Wellbore #1													Offset Site Error:
Survey Program: 100-MWD													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
3,900.00	2,380.00	2,323.50	2,335.03	21.84	8.12	-85.47	183.77	-3,886.76	1,874.93	1,854.82	20.11	93.219	
4,000.00	2,380.00	2,325.11	2,336.63	22.93	8.13	-85.23	183.93	-3,886.79	1,775.25	1,755.06	20.19	87.936	
4,100.00	2,380.00	2,326.71	2,338.23	24.02	8.14	-84.95	184.09	-3,886.81	1,675.61	1,655.34	20.27	82.662	
4,200.00	2,380.00	2,328.33	2,339.83	25.11	8.14	-84.64	184.25	-3,886.84	1,576.02	1,555.65	20.36	77.396	
4,300.00	2,380.00	2,329.94	2,341.44	26.21	8.15	-84.29	184.42	-3,886.87	1,476.47	1,456.00	20.47	72.137	
4,400.00	2,380.00	2,331.56	2,343.05	27.31	8.16	-83.89	184.58	-3,886.89	1,376.99	1,356.41	20.59	66.886	
4,500.00	2,380.00	2,333.19	2,344.67	28.41	8.16	-83.42	184.74	-3,886.92	1,277.59	1,256.87	20.73	61.640	
4,600.00	2,380.00	2,334.82	2,346.29	29.51	8.17	-82.88	184.91	-3,886.94	1,178.29	1,157.40	20.89	56.399	
4,700.00	2,380.00	2,336.46	2,347.92	30.62	8.17	-82.24	185.07	-3,886.97	1,079.12	1,058.02	21.09	51.159	
4,800.00	2,380.00	2,338.10	2,349.55	31.72	8.18	-81.46	185.23	-3,887.00	980.11	958.77	21.34	45.920	
4,900.00	2,380.00	2,339.75	2,351.19	32.83	8.19	-80.52	185.40	-3,887.02	881.32	859.66	21.66	40.680	
5,000.00	2,380.00	2,341.40	2,352.83	33.94	8.19	-79.33	185.57	-3,887.05	782.84	760.75	22.09	35.437	
5,100.00	2,380.00	2,343.05	2,354.48	35.05	8.20	-77.80	185.73	-3,887.08	684.79	662.11	22.68	30.197	
5,200.00	2,380.00	2,344.71	2,356.13	36.16	8.20	-75.77	185.90	-3,887.11	587.39	563.87	23.52	24.972	
5,300.00	2,380.00	2,346.38	2,357.79	37.28	8.21	-72.93	186.06	-3,887.13	491.04	466.24	24.80	19.798	
5,400.00	2,380.00	2,348.05	2,359.45	38.39	8.22	-68.72	186.23	-3,887.16	396.49	369.63	26.86	14.762	
5,500.00	2,380.00	2,349.73	2,361.12	39.50	8.22	-61.93	186.40	-3,887.19	305.43	275.05	30.38	10.054	
5,600.00	2,380.00	2,351.41	2,362.79	40.62	8.23	-49.73	186.57	-3,887.21	222.17	185.50	36.67	6.059	
5,700.00	2,380.00	2,353.10	2,364.47	41.73	8.24	-25.79	186.74	-3,887.24	159.46	113.03	46.43	3.434	
5,769.69	2,380.00	2,354.27	2,365.64	42.51	8.24	0.25	186.86	-3,887.26	143.43	92.78	50.65	2.832 CC, ES, SF	
5,800.00	2,380.00	2,354.79	2,366.15	42.85	8.24	12.24	186.91	-3,887.27	146.59	96.61	49.98	2.933	
5,900.00	2,380.00	2,356.48	2,367.84	43.97	8.25	42.60	187.08	-3,887.30	193.77	152.46	41.31	4.690	
6,000.00	2,380.00	2,358.18	2,369.53	45.08	8.26	58.39	187.25	-3,887.33	271.29	237.52	33.77	8.033	
6,100.00	2,380.00	2,359.89	2,371.23	46.20	8.26	66.80	187.42	-3,887.35	360.06	330.62	29.44	12.231	
6,200.00	2,380.00	2,361.60	2,372.94	47.32	8.27	71.81	187.59	-3,887.38	453.52	426.57	26.95	16.825	
6,300.00	2,380.00	2,363.32	2,374.64	48.44	8.27	75.10	187.76	-3,887.41	549.29	523.83	25.46	21.578	
6,400.00	2,380.00	2,365.04	2,376.36	49.56	8.28	77.40	187.93	-3,887.44	646.33	621.82	24.50	26.375	
6,500.00	2,380.00	2,366.77	2,378.08	50.68	8.29	79.10	188.11	-3,887.47	744.15	720.27	23.88	31.164	
6,600.00	2,380.00	2,368.50	2,379.80	51.80	8.29	80.40	188.28	-3,887.50	842.48	819.03	23.45	35.920	
6,700.00	2,380.00	2,370.24	2,381.53	52.92	8.30	81.43	188.45	-3,887.53	941.16	918.00	23.16	40.635	
6,800.00	2,380.00	2,371.98	2,383.26	54.04	8.31	82.27	188.63	-3,887.56	1,040.09	1,017.14	22.96	45.305	
6,900.00	2,380.00	2,373.73	2,385.00	55.16	8.31	82.96	188.80	-3,887.58	1,139.21	1,116.39	22.82	49.930	
7,000.00	2,380.00	2,375.49	2,386.75	56.28	8.32	83.54	188.98	-3,887.61	1,238.46	1,215.74	22.72	54.510	
7,100.00	2,380.00	2,377.25	2,388.50	57.40	8.33	84.03	189.15	-3,887.64	1,337.82	1,315.16	22.66	59.046	
7,200.00	2,380.00	2,379.01	2,390.26	58.52	8.33	84.46	189.33	-3,887.67	1,437.27	1,414.65	22.62	63.540	
7,300.00	2,380.00	2,380.78	2,392.02	59.64	8.34	84.83	189.51	-3,887.70	1,536.79	1,514.19	22.60	67.993	
7,400.00	2,380.00	2,382.56	2,393.78	60.77	8.35	85.15	189.68	-3,887.73	1,636.36	1,613.76	22.60	72.405	
7,500.00	2,380.00	2,384.34	2,395.56	61.89	8.35	85.44	189.86	-3,887.76	1,735.99	1,713.38	22.61	76.779	
7,600.00	2,380.00	2,386.13	2,397.34	63.01	8.36	85.70	190.04	-3,887.79	1,835.65	1,813.02	22.63	81.114	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - OFFSET: DOGWOOD FEDERAL 3 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program:	100-MWD											Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Rule Assigned:								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,700.00	2,380.00	2,533.77	2,531.97	30.62	8.86	-78.02	428.94	-4,654.47	1,883.27	1,862.45	20.82	90.455	
4,800.00	2,380.00	2,525.46	2,523.69	31.72	8.83	-77.37	429.02	-4,655.14	1,785.78	1,764.71	21.08	84.733	
4,900.00	2,380.00	2,517.19	2,515.45	32.83	8.80	-76.64	429.09	-4,655.80	1,688.56	1,667.17	21.39	78.952	
5,000.00	2,380.00	2,508.95	2,507.23	33.94	8.77	-75.83	429.17	-4,656.46	1,591.64	1,569.87	21.77	73.124	
5,100.00	2,380.00	2,500.74	2,499.05	35.05	8.74	-74.91	429.25	-4,657.12	1,495.07	1,472.85	22.23	67.261	
5,200.00	2,380.00	2,492.57	2,490.91	36.16	8.71	-73.86	429.32	-4,657.77	1,398.95	1,376.16	22.79	61.385	
5,300.00	2,380.00	2,484.41	2,482.78	37.28	8.68	-72.66	429.40	-4,658.42	1,303.36	1,279.88	23.47	55.522	
5,400.00	2,380.00	2,476.05	2,474.45	38.39	8.65	-71.26	429.48	-4,659.09	1,208.42	1,184.11	24.31	49.700	
5,500.00	2,380.00	2,467.75	2,466.18	39.50	8.61	-69.64	429.56	-4,659.74	1,114.32	1,088.97	25.34	43.968	
5,600.00	2,380.00	2,459.52	2,457.97	40.62	8.58	-67.71	429.64	-4,660.39	1,021.27	994.65	26.61	38.375	
5,700.00	2,380.00	2,451.34	2,449.81	41.73	8.55	-65.40	429.71	-4,661.04	929.59	901.41	28.18	32.984	
5,800.00	2,380.00	2,443.22	2,441.72	42.85	8.52	-62.59	429.78	-4,661.67	839.74	809.60	30.14	27.863	
5,900.00	2,380.00	2,435.16	2,433.69	43.97	8.49	-59.12	429.85	-4,662.30	752.38	719.79	32.58	23.092	
6,000.00	2,380.00	2,427.16	2,425.71	45.08	8.46	-54.77	429.92	-4,662.92	668.47	632.83	35.64	18.757	
6,100.00	2,380.00	2,419.22	2,417.79	46.20	8.43	-49.20	429.99	-4,663.54	589.49	550.05	39.44	14.946	
6,200.00	2,380.00	2,411.33	2,409.93	47.32	8.40	-42.02	430.06	-4,664.15	517.72	473.66	44.06	11.750	
6,300.00	2,380.00	2,403.50	2,402.12	48.44	8.38	-32.73	430.12	-4,664.75	456.55	407.20	49.35	9.251	
6,400.00	2,380.00	2,395.72	2,394.36	49.56	8.35	-21.01	430.18	-4,665.35	410.76	356.11	54.65	7.516	
6,500.00	2,380.00	2,388.04	2,386.70	50.68	8.32	-7.11	430.24	-4,665.93	385.87	327.29	58.58	6.587	
6,549.73	2,380.00	2,384.27	2,382.95	51.23	8.30	0.25	430.27	-4,666.22	382.67	323.15	59.53	6.429 CC, ES, SF	
6,600.00	2,380.00	2,380.45	2,379.14	51.80	8.29	7.70	430.30	-4,666.51	385.94	326.29	59.66	6.469	
6,700.00	2,380.00	2,372.82	2,371.53	52.92	8.26	21.58	430.37	-4,667.10	410.96	353.29	57.67	7.126	
6,800.00	2,380.00	2,365.13	2,363.86	54.04	8.23	33.28	430.43	-4,667.69	456.85	402.99	53.85	8.484	
6,900.00	2,380.00	2,357.39	2,356.14	55.16	8.20	42.54	430.50	-4,668.29	518.08	468.52	49.56	10.454	
7,000.00	2,380.00	2,349.59	2,348.37	56.28	8.17	49.71	430.57	-4,668.90	589.91	544.34	45.56	12.947	
7,100.00	2,380.00	2,341.74	2,340.55	57.40	8.15	55.25	430.64	-4,669.51	668.91	626.78	42.13	15.876	
7,200.00	2,380.00	2,333.84	2,332.67	58.52	8.12	59.60	430.71	-4,670.12	752.85	713.58	39.27	19.170	
7,300.00	2,380.00	2,325.88	2,324.73	59.64	8.09	63.06	430.78	-4,670.75	840.23	803.33	36.91	22.766	
7,400.00	2,380.00	2,317.86	2,316.74	60.77	8.06	65.86	430.86	-4,671.38	930.10	895.14	34.95	26.610	
7,500.00	2,380.00	2,309.79	2,308.69	61.89	8.03	68.17	430.94	-4,672.02	1,021.78	988.45	33.33	30.659	
7,600.00	2,380.00	2,301.65	2,300.59	63.01	8.00	70.09	431.02	-4,672.66	1,114.84	1,082.88	31.96	34.878	
7,700.00	2,380.00	2,293.54	2,292.50	64.13	7.97	71.71	431.10	-4,673.30	1,208.95	1,178.14	30.81	39.236	
7,800.00	2,380.00	2,285.59	2,284.57	65.25	7.94	73.10	431.18	-4,673.94	1,303.90	1,274.06	29.83	43.704	
7,900.00	2,380.00	2,277.64	2,276.65	66.38	7.91	74.30	431.26	-4,674.57	1,399.50	1,370.50	29.00	48.264	
8,000.00	2,380.00	2,269.69	2,268.72	67.50	7.88	75.35	431.35	-4,675.20	1,495.63	1,467.36	28.27	52.901	
8,008.92	2,380.00	2,268.98	2,268.01	67.60	7.88	75.43	431.35	-4,675.26	1,504.23	1,476.02	28.21	53.318	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - OFFSET: DOGWOOD FEDERAL 4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program:	103-INC-ONLY											Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
3,900.00	2,380.00	2,370.11	2,380.00	21.84	43.03	-98.01	-228.98	-3,899.00	1,899.33	1,844.58	54.76	34.688	
4,000.00	2,380.00	2,370.11	2,380.00	22.93	43.03	-98.47	-228.98	-3,899.00	1,800.43	1,745.57	54.85	32.822	
4,100.00	2,380.00	2,370.11	2,380.00	24.02	43.03	-98.98	-228.98	-3,899.00	1,701.66	1,646.68	54.97	30.954	
4,200.00	2,380.00	2,370.11	2,380.00	25.11	43.03	-99.56	-228.98	-3,899.00	1,603.03	1,547.92	55.12	29.084	
4,300.00	2,380.00	2,370.11	2,380.00	26.21	43.03	-100.21	-228.98	-3,899.00	1,504.59	1,449.30	55.29	27.212	
4,400.00	2,380.00	2,370.11	2,380.00	27.31	43.03	-100.95	-228.98	-3,899.00	1,406.37	1,350.87	55.51	25.337	
4,500.00	2,380.00	2,370.11	2,380.00	28.41	43.03	-101.80	-228.98	-3,899.00	1,308.42	1,252.65	55.77	23.461	
4,600.00	2,380.00	2,370.11	2,380.00	29.51	43.03	-102.78	-228.98	-3,899.00	1,210.80	1,154.70	56.10	21.582	
4,700.00	2,380.00	2,370.11	2,380.00	30.62	43.03	-103.95	-228.98	-3,899.00	1,113.61	1,057.09	56.52	19.702	
4,800.00	2,380.00	2,370.11	2,380.00	31.72	43.03	-105.33	-228.98	-3,899.00	1,016.96	959.90	57.07	17.821	
4,900.00	2,380.00	2,370.11	2,380.00	32.83	43.03	-107.00	-228.98	-3,899.00	921.03	863.26	57.77	15.943	
5,000.00	2,380.00	2,370.11	2,380.00	33.94	43.03	-109.06	-228.98	-3,899.00	826.06	767.36	58.70	14.072	
5,100.00	2,380.00	2,370.11	2,380.00	35.05	43.03	-111.64	-228.98	-3,899.00	732.43	672.48	59.96	12.216	
5,200.00	2,380.00	2,370.11	2,380.00	36.16	43.03	-114.98	-228.98	-3,899.00	640.74	579.07	61.67	10.390	
5,300.00	2,380.00	2,370.11	2,380.00	37.28	43.03	-119.41	-228.98	-3,899.00	551.93	487.90	64.03	8.620	
5,400.00	2,380.00	2,370.11	2,380.00	38.39	43.03	-125.49	-228.98	-3,899.00	467.66	400.36	67.30	6.948	
5,500.00	2,380.00	2,370.11	2,380.00	39.50	43.03	-134.08	-228.98	-3,899.00	390.89	319.09	71.79	5.445	
5,600.00	2,380.00	2,370.11	2,380.00	40.62	43.03	-146.42	-228.98	-3,899.00	326.92	249.43	77.49	4.219	
5,700.00	2,380.00	2,370.11	2,380.00	41.73	43.03	-163.50	-228.98	-3,899.00	284.53	201.35	83.18	3.421	
5,779.59	2,380.00	2,370.11	2,380.00	42.62	43.03	-179.75	-228.98	-3,899.00	273.18	187.52	85.65	3.189 CC, ES, SF	
5,800.00	2,380.00	2,370.11	2,380.00	42.85	43.03	-175.98	-228.98	-3,899.00	273.94	188.15	85.79	3.193	
5,900.00	2,380.00	2,370.11	2,380.00	43.97	43.03	156.47	-228.98	-3,899.00	298.54	214.89	83.65	3.569	
6,000.00	2,380.00	2,370.11	2,380.00	45.08	43.03	141.36	-228.98	-3,899.00	351.01	271.93	79.08	4.438	
6,100.00	2,380.00	2,370.11	2,380.00	46.20	43.03	130.70	-228.98	-3,899.00	421.06	346.47	74.59	5.645	
6,200.00	2,380.00	2,370.11	2,380.00	47.32	43.03	123.27	-228.98	-3,899.00	501.37	430.39	70.98	7.063	
6,300.00	2,380.00	2,370.11	2,380.00	48.44	43.03	117.95	-228.98	-3,899.00	587.76	519.51	68.25	8.612	
6,400.00	2,380.00	2,370.11	2,380.00	49.56	43.03	114.02	-228.98	-3,899.00	677.89	611.70	66.19	10.242	
6,500.00	2,380.00	2,370.11	2,380.00	50.68	43.03	111.02	-228.98	-3,899.00	770.47	705.84	64.63	11.921	
6,600.00	2,380.00	2,370.11	2,380.00	51.80	43.03	108.67	-228.98	-3,899.00	864.70	801.27	63.43	13.633	
6,700.00	2,380.00	2,370.11	2,380.00	52.92	43.03	106.79	-228.98	-3,899.00	960.10	897.61	62.49	15.364	
6,800.00	2,380.00	2,370.11	2,380.00	54.04	43.03	105.24	-228.98	-3,899.00	1,056.35	994.60	61.75	17.107	
6,900.00	2,380.00	2,370.11	2,380.00	55.16	43.03	103.96	-228.98	-3,899.00	1,153.24	1,092.08	61.16	18.857	
7,000.00	2,380.00	2,370.11	2,380.00	56.28	43.03	102.87	-228.98	-3,899.00	1,250.62	1,189.94	60.67	20.612	
7,100.00	2,380.00	2,370.11	2,380.00	57.40	43.03	101.94	-228.98	-3,899.00	1,348.38	1,288.10	60.28	22.368	
7,200.00	2,380.00	2,370.11	2,380.00	58.52	43.03	101.14	-228.98	-3,899.00	1,446.45	1,386.49	59.96	24.124	
7,300.00	2,380.00	2,370.11	2,380.00	59.64	43.03	100.44	-228.98	-3,899.00	1,544.76	1,485.07	59.69	25.878	
7,400.00	2,380.00	2,370.11	2,380.00	60.77	43.03	99.82	-228.98	-3,899.00	1,643.28	1,583.81	59.47	27.631	
7,500.00	2,380.00	2,370.11	2,380.00	61.89	43.03	99.28	-228.98	-3,899.00	1,741.97	1,682.68	59.29	29.380	
7,600.00	2,380.00	2,370.11	2,380.00	63.01	43.03	98.79	-228.98	-3,899.00	1,840.80	1,781.66	59.14	31.127	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - OFFSET: EBONY STATE 4 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Survey Program: 111-INC-ONLY		Reference		Offset		Semi Major Axis		Azimuth from North (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	24.00	0.00	0.00	0.00	0.00	-92.57	-55.06	-1,224.36	1,225.83				
100.00	100.00	76.00	100.00	0.92	0.59	0.92	0.59	-92.57	-55.06	-1,224.36	1,225.60	1,224.09	1.51	811.979	
200.00	200.00	176.00	200.00	1.53	2.02	1.53	2.02	-92.57	-55.06	-1,224.36	1,225.60	1,222.05	3.55	345.497	
300.00	300.00	276.00	300.00	1.95	3.81	1.95	3.81	-92.57	-55.06	-1,224.36	1,225.60	1,219.83	5.77	212.491	
400.00	399.98	375.98	399.98	2.52	5.59	2.52	5.59	-92.60	-55.06	-1,224.36	1,223.95	1,215.87	8.08	151.514	
500.00	499.85	475.85	499.85	2.77	7.34	2.77	7.34	-92.68	-55.06	-1,224.36	1,219.12	1,209.04	10.08	120.923	
600.00	599.66	575.66	599.66	3.11	9.10	3.11	9.10	-92.77	-54.95	-1,224.36	1,213.39	1,201.21	12.18	99.635	
700.00	699.48	675.46	699.45	3.45	10.86	3.45	10.86	-92.87	-54.97	-1,224.36	1,207.67	1,193.41	14.26	84.681	
800.00	799.29	775.25	799.25	3.79	12.61	3.79	12.61	-92.97	-55.03	-1,224.36	1,201.96	1,185.61	16.35	73.532	
900.00	899.11	875.11	899.11	4.13	14.40	4.13	14.40	-93.07	-55.06	-1,224.36	1,196.24	1,177.78	18.46	64.807	
1,000.00	998.92	974.93	998.92	4.47	16.20	4.47	16.20	-93.17	-55.06	-1,224.36	1,190.53	1,169.94	20.59	57.819	
1,100.00	1,098.74	1,074.74	1,098.73	4.82	18.00	4.82	18.00	-93.25	-54.73	-1,224.36	1,184.80	1,162.08	22.72	52.141	
1,200.00	1,198.55	1,174.49	1,198.48	5.16	19.80	5.16	19.80	-93.35	-54.79	-1,224.36	1,179.10	1,154.25	24.85	47.440	
1,300.00	1,298.37	1,274.23	1,298.22	5.51	21.61	5.51	21.61	-93.46	-54.96	-1,224.36	1,173.41	1,146.42	26.99	43.481	
1,400.00	1,398.18	1,374.20	1,398.18	5.86	23.44	5.86	23.44	-93.57	-55.06	-1,224.36	1,167.72	1,138.57	29.15	40.061	
1,500.00	1,497.81	1,473.83	1,497.81	6.21	25.28	6.21	25.28	-93.68	-55.06	-1,224.36	1,159.74	1,128.41	31.33	37.017	
1,600.00	1,596.14	1,572.14	1,596.11	6.68	27.10	6.68	27.10	-93.80	-54.55	-1,224.36	1,141.96	1,108.35	33.61	33.977	
1,700.00	1,692.06	1,667.92	1,691.90	7.17	28.88	7.17	28.88	-93.98	-54.67	-1,224.36	1,114.07	1,078.20	35.87	31.058	
1,800.00	1,784.52	1,760.25	1,784.23	7.67	30.59	7.67	30.59	-94.21	-54.94	-1,224.36	1,076.34	1,038.26	38.08	28.267	
1,900.00	1,872.51	1,848.55	1,872.51	8.17	32.28	8.17	32.28	-94.48	-55.06	-1,224.36	1,029.18	988.92	40.26	25.560	
2,000.00	1,955.06	1,931.11	1,955.06	8.66	33.89	8.66	33.89	-94.81	-55.06	-1,224.36	973.12	930.76	42.36	22.975	
2,100.00	2,031.28	2,007.32	2,031.28	9.13	35.38	9.13	35.38	-95.21	-55.06	-1,224.36	908.79	864.49	44.30	20.515	
2,200.00	2,100.32	2,076.30	2,100.26	9.57	36.72	9.57	36.72	-95.67	-54.41	-1,224.36	836.85	790.78	46.07	18.165	
2,300.00	2,161.43	2,137.31	2,161.26	9.98	37.91	9.98	37.91	-96.31	-54.49	-1,224.36	758.26	710.62	47.64	15.916	
2,400.00	2,214.15	2,189.95	2,213.90	10.33	38.94	10.33	38.94	-97.16	-54.62	-1,224.36	673.99	625.00	48.99	13.758	
2,500.00	2,264.15	2,239.86	2,263.82	10.65	39.91	10.65	39.91	-98.26	-54.80	-1,224.36	588.24	538.00	50.24	11.708	
2,600.00	2,313.79	2,289.42	2,313.37	10.98	40.88	10.98	40.88	-99.75	-55.03	-1,224.36	502.59	451.11	51.48	9.763	
2,700.00	2,352.52	2,328.61	2,352.52	11.31	41.68	11.31	41.68	-101.98	-55.06	-1,224.36	412.25	359.73	52.52	7.849	
2,800.00	2,374.68	2,350.77	2,374.68	11.57	42.13	11.57	42.13	-105.71	-55.06	-1,224.36	317.75	264.66	53.09	5.985	
2,900.00	2,380.00	2,356.09	2,380.00	11.89	42.24	11.89	42.24	-112.75	-55.06	-1,224.36	223.53	170.31	53.22	4.200	
3,000.00	2,380.00	2,356.09	2,380.00	12.56	42.24	12.56	42.24	-129.31	-55.06	-1,224.36	137.17	83.66	53.52	2.563	
3,100.00	2,380.00	2,356.09	2,380.00	13.46	42.24	13.46	42.24	-175.98	-55.06	-1,224.36	87.56	32.03	55.53	1.577	
3,105.74	2,380.00	2,356.09	2,380.00	13.52	42.24	13.52	42.24	-179.74	-55.06	-1,224.36	87.37	31.71	55.66	1.570 CC, ES, SF	
3,200.00	2,380.00	2,356.09	2,380.00	14.44	42.24	14.44	42.24	-133.08	-55.06	-1,224.36	128.52	72.96	55.56	2.313	
3,300.00	2,380.00	2,356.09	2,380.00	15.46	42.24	15.46	42.24	-114.47	-55.06	-1,224.36	213.00	158.21	54.79	3.888	
3,400.00	2,380.00	2,356.09	2,380.00	16.50	42.24	16.50	42.24	-106.79	-55.06	-1,224.36	306.95	252.52	54.44	5.639	
3,500.00	2,380.00	2,356.09	2,380.00	17.55	42.24	17.55	42.24	-102.75	-55.06	-1,224.36	403.82	349.56	54.26	7.442	
3,600.00	2,380.00	2,356.09	2,380.00	18.61	42.24	18.61	42.24	-100.28	-55.06	-1,224.36	501.92	447.75	54.17	9.265	
3,700.00	2,380.00	2,356.09	2,380.00	19.68	42.24	19.68	42.24	-98.62	-55.06	-1,224.36	600.64	546.53	54.12	11.099	
3,800.00	2,380.00	2,356.09	2,380.00	20.76	42.24	20.76	42.24	-97.43	-55.06	-1,224.36	699.73	645.64	54.09	12.936	
3,900.00	2,380.00	2,356.09	2,380.00	21.84	42.24	21.84	42.24	-96.53	-55.06	-1,224.36	799.05	744.97	54.08	14.777	
4,000.00	2,380.00	2,356.09	2,380.00	22.93	42.24	22.93	42.24	-95.83	-55.06	-1,224.36	898.51	844.44	54.07	16.617	
4,100.00	2,380.00	2,356.09	2,380.00	24.02	42.24	24.02	42.24	-95.28	-55.06	-1,224.36	998.09	944.01	54.07	18.458	
4,200.00	2,380.00	2,356.09	2,380.00	25.11	42.24	25.11	42.24	-94.82	-55.06	-1,224.36	1,097.74	1,043.66	54.08	20.298	
4,300.00	2,380.00	2,356.09	2,380.00	26.21	42.24	26.21	42.24	-94.44	-55.06	-1,224.36	1,197.45	1,143.35	54.10	22.136	
4,400.00	2,380.00	2,356.09	2,380.00	27.31	42.24	27.31	42.24	-94.12	-55.06	-1,224.36	1,297.20	1,243.09	54.11	23.973	
4,500.00	2,380.00	2,356.09	2,380.00	28.41	42.24	28.41	42.24	-93.84	-55.06	-1,224.36	1,396.99	1,342.86	54.13	25.808	
4,600.00	2,380.00	2,356.09	2,380.00	29.51	42.24	29.51	42.24	-93.60	-55.06	-1,224.36	1,496.81	1,442.65	54.15	27.640	
4,700.00	2,380.00	2,356.09	2,380.00	30.62	42.24	30.62	42.24	-93.39	-55.06	-1,224.36	1,596.65	1,542.47	54.18	29.471	
4,800.00	2,380.00	2,356.09	2,380.00	31.72	42.24	31.72	42.24	-93.21	-55.06	-1,224.36	1,696.51	1,642.30	54.20	31.298	
4,900.00	2,380.00	2,356.09	2,380.00	32.83	42.24	32.83	42.24	-93.04	-55.06	-1,224.36	1,796.38	1,742.15	54.23	33.123	
5,000.00	2,380.00	2,356.09	2,380.00	33.94	42.24	33.94	42.24	-92.90	-55.06	-1,224.36	1,896.27	1,842.01	54.26	34.946	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

PROTOTYPE
Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
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Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - OFFSET: MATTHEWS '25' FEDERAL 1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 423-MWD												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Azimuth from North (°)	Offset Wellbore Centre	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,900.00	2,380.00	2,374.91	2,365.91	43.97	8.15	-97.91	-206.72	-5,828.60	1,827.83	1,805.98	21.85	83.640	
6,000.00	2,380.00	2,375.63	2,366.63	45.08	8.15	-98.38	-206.73	-5,828.60	1,728.90	1,706.78	22.13	78.129	
6,100.00	2,380.00	2,376.35	2,367.35	46.20	8.15	-98.91	-206.73	-5,828.61	1,630.11	1,607.66	22.45	72.616	
6,200.00	2,380.00	2,377.07	2,368.08	47.32	8.15	-99.50	-206.73	-5,828.61	1,531.47	1,508.65	22.82	67.103	
6,300.00	2,380.00	2,377.80	2,368.80	48.44	8.16	-100.18	-206.73	-5,828.62	1,433.02	1,409.75	23.27	61.595	
6,400.00	2,380.00	2,378.52	2,369.52	49.56	8.16	-100.96	-206.73	-5,828.62	1,334.80	1,311.01	23.79	56.099	
6,500.00	2,380.00	2,379.25	2,370.25	50.68	8.16	-101.86	-206.74	-5,828.63	1,236.86	1,212.43	24.43	50.625	
6,600.00	2,380.00	2,379.98	2,370.98	51.80	8.16	-102.91	-206.74	-5,828.63	1,139.29	1,114.07	25.21	45.189	
6,700.00	2,380.00	2,380.71	2,371.71	52.92	8.17	-104.16	-206.74	-5,828.64	1,042.17	1,015.99	26.18	39.813	
6,800.00	2,380.00	2,381.44	2,372.44	54.04	8.17	-105.67	-206.74	-5,828.65	945.65	918.26	27.39	34.530	
6,900.00	2,380.00	2,382.17	2,373.17	55.16	8.17	-107.52	-206.75	-5,828.65	849.93	821.01	28.93	29.383	
7,000.00	2,380.00	2,382.90	2,373.90	56.28	8.17	-109.84	-206.75	-5,828.66	755.33	724.41	30.92	24.430	
7,100.00	2,380.00	2,383.64	2,374.64	57.40	8.18	-112.82	-206.75	-5,828.66	662.31	628.77	33.54	19.747	
7,200.00	2,380.00	2,384.37	2,375.38	58.52	8.18	-116.75	-206.75	-5,828.67	571.66	534.61	37.05	15.430	
7,300.00	2,380.00	2,385.11	2,376.11	59.64	8.18	-122.12	-206.75	-5,828.67	484.69	442.87	41.82	11.590	
7,400.00	2,380.00	2,385.85	2,376.85	60.77	8.18	-129.74	-206.76	-5,828.68	403.80	355.50	48.31	8.359	
7,500.00	2,380.00	2,386.59	2,377.59	61.89	8.19	-140.85	-206.76	-5,828.68	333.45	276.67	56.78	5.873	
7,600.00	2,380.00	2,387.33	2,378.33	63.01	8.19	-156.90	-206.76	-5,828.69	281.63	215.53	66.10	4.261	
7,700.00	2,380.00	2,388.08	2,379.08	64.13	8.19	-177.68	-206.76	-5,828.69	259.71	187.86	71.85	3.615	
7,709.36	2,380.00	2,388.15	2,379.15	64.24	8.19	-179.75	-206.76	-5,828.70	259.54	187.54	71.99	3.605 CC, ES, SF	
7,800.00	2,380.00	2,388.82	2,379.82	65.25	8.19	-161.00	-206.77	-5,828.70	274.91	205.32	69.58	3.951	
7,900.00	2,380.00	2,389.57	2,380.57	66.38	8.20	143.96	-206.77	-5,828.71	322.03	259.99	62.04	5.191	
8,000.00	2,380.00	2,390.32	2,381.32	67.50	8.20	132.02	-206.77	-5,828.71	389.65	335.51	54.14	7.197	
8,008.92	2,380.00	2,390.38	2,381.38	67.60	8.20	131.16	-206.77	-5,828.71	396.35	342.85	53.50	7.408	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Offset Design: TAYLORCREST 25 FEDERAL - OFFSET: MATTHEWS '25' FEDERAL 2 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 437-MWD												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Azimuth from North (°)	Offset Wellbore Centre	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)					
5,300.00	2,380.00	2,398.70	2,336.20	37.28	10.03	-82.26	287.02	-5,219.39	1,818.29	1,795.33	22.96	79.196	
5,400.00	2,380.00	2,397.49	2,335.03	38.39	10.03	-81.83	286.71	-5,219.40	1,719.22	1,696.04	23.18	74.157	
5,500.00	2,380.00	2,396.30	2,333.88	39.50	10.02	-81.35	286.41	-5,219.41	1,620.27	1,596.83	23.44	69.115	
5,600.00	2,380.00	2,395.13	2,332.75	40.62	10.01	-80.82	286.11	-5,219.43	1,521.45	1,497.71	23.75	64.071	
5,700.00	2,380.00	2,393.98	2,331.64	41.73	10.01	-80.20	285.82	-5,219.44	1,422.80	1,398.70	24.10	59.029	
5,800.00	2,380.00	2,392.85	2,330.54	42.85	10.00	-79.50	285.52	-5,219.45	1,324.35	1,299.82	24.53	53.993	
5,900.00	2,380.00	2,391.73	2,329.46	43.97	10.00	-78.68	285.24	-5,219.46	1,226.15	1,201.11	25.04	48.969	
6,000.00	2,380.00	2,390.63	2,328.40	45.08	9.99	-77.72	284.96	-5,219.48	1,128.26	1,102.60	25.66	43.966	
6,100.00	2,380.00	2,389.54	2,327.35	46.20	9.99	-76.57	284.68	-5,219.49	1,030.78	1,004.35	26.43	39.000	
6,200.00	2,380.00	2,388.47	2,326.32	47.32	9.98	-75.19	284.40	-5,219.50	933.83	906.43	27.39	34.090	
6,300.00	2,380.00	2,387.42	2,325.30	48.44	9.98	-73.48	284.13	-5,219.51	837.59	808.97	28.62	29.267	
6,400.00	2,380.00	2,386.38	2,324.30	49.56	9.97	-71.33	283.86	-5,219.52	742.35	712.14	30.21	24.572	
6,500.00	2,380.00	2,385.36	2,323.31	50.68	9.97	-68.56	283.60	-5,219.53	648.55	616.23	32.32	20.067	
6,600.00	2,380.00	2,384.35	2,322.33	51.80	9.96	-64.84	283.34	-5,219.54	556.90	521.73	35.17	15.834	
6,700.00	2,380.00	2,383.36	2,321.37	52.92	9.95	-59.67	283.08	-5,219.55	468.68	429.57	39.11	11.985	
6,800.00	2,380.00	2,382.38	2,320.42	54.04	9.95	-52.16	282.83	-5,219.56	386.23	341.65	44.58	8.664	
6,900.00	2,380.00	2,381.41	2,319.49	55.16	9.95	-40.79	282.58	-5,219.57	314.16	262.21	51.94	6.048	
7,000.00	2,380.00	2,380.46	2,318.57	56.28	9.94	-23.54	282.33	-5,219.58	261.17	200.89	60.28	4.332	
7,100.00	2,380.00	2,379.52	2,317.66	57.40	9.94	-0.35	282.09	-5,219.59	240.26	175.07	65.18	3.686	
7,104.45	2,380.00	2,379.48	2,317.62	57.45	9.94	0.75	282.08	-5,219.59	240.25	175.03	65.23	3.683 CC, ES, SF	
7,200.00	2,380.00	2,378.59	2,316.77	58.52	9.93	23.08	281.85	-5,219.60	259.30	197.12	62.18	4.170	
7,300.00	2,380.00	2,377.67	2,315.88	59.64	9.93	40.73	281.61	-5,219.61	311.04	256.41	54.63	5.694	
7,400.00	2,380.00	2,376.77	2,315.01	60.77	9.92	52.39	281.37	-5,219.62	382.44	335.05	47.38	8.071	
7,500.00	2,380.00	2,375.88	2,314.15	61.89	9.92	60.09	281.14	-5,219.63	464.50	422.67	41.83	11.104	
7,600.00	2,380.00	2,375.00	2,313.30	63.01	9.91	65.36	280.91	-5,219.63	552.51	514.72	37.79	14.620	
7,700.00	2,380.00	2,374.14	2,312.47	64.13	9.91	69.15	280.69	-5,219.64	644.03	609.18	34.85	18.480	
7,800.00	2,380.00	2,373.28	2,311.64	65.25	9.90	71.98	280.46	-5,219.65	737.75	705.07	32.68	22.577	
7,900.00	2,380.00	2,372.44	2,310.83	66.38	9.90	74.16	280.24	-5,219.66	832.94	801.89	31.04	26.831	
8,000.00	2,380.00	2,371.60	2,310.02	67.50	9.90	75.88	280.03	-5,219.67	929.13	899.34	29.79	31.187	
8,008.92	2,380.00	2,371.53	2,309.95	67.60	9.90	76.02	280.01	-5,219.67	937.75	908.05	29.70	31.579	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB = 20' @ 3586.00usft (AKITA 57) Coordinates are relative to: 110H

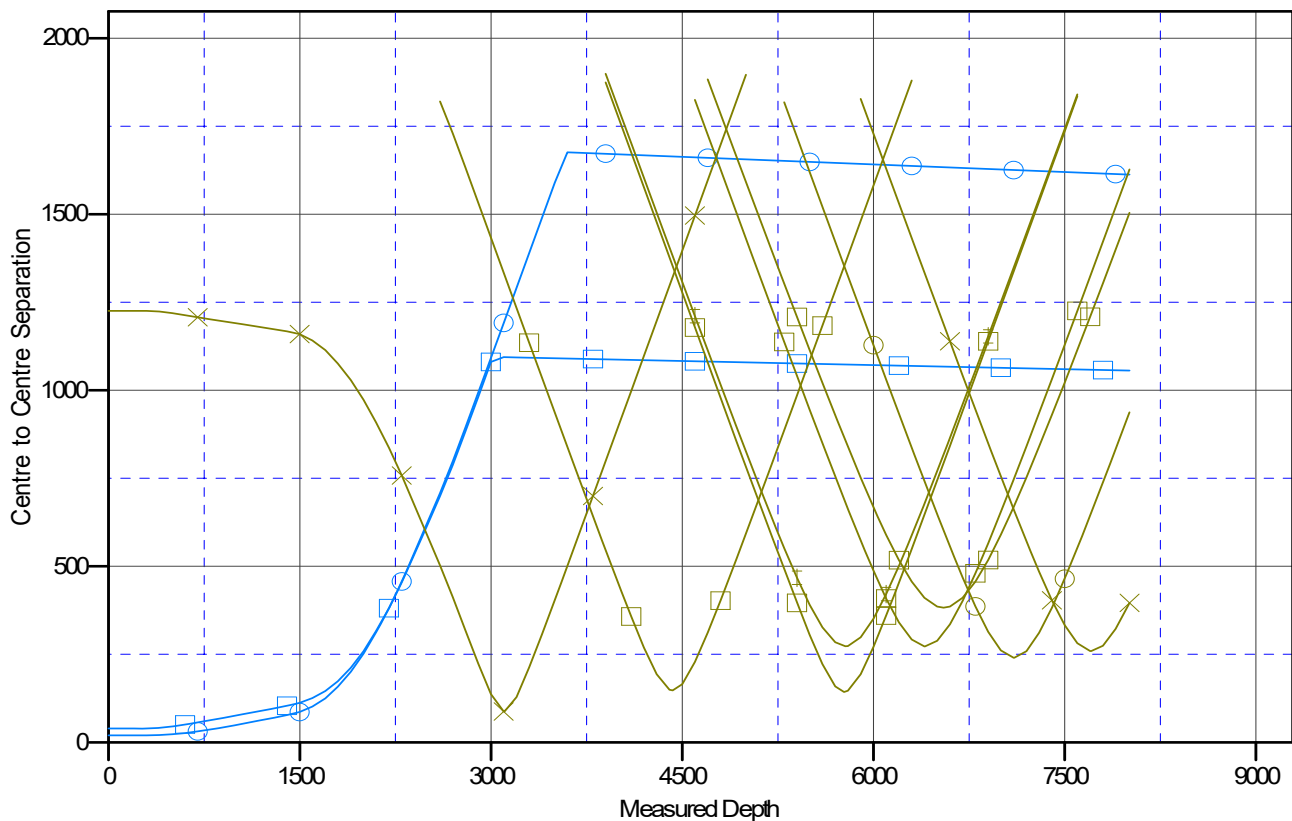
Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Central Meridian is -104.33334

Grid Convergence at Surface is: 0.06°

Ladder Plot



LEGEND

21H, Wellbore #1, PERMIT V0	OFFSET: DOGWOOD FEDERAL 2, Wellbore #1, Wellbore #1 V0	OFFSET: MATTHEWS '25' FEDERAL 1, Wellbore #1, Wellbore #1 V0
71H, Wellbore #1, PERMIT V0	OFFSET: DOGWOOD FEDERAL 3, Wellbore #1, Wellbore #1 V0	OFFSET: MATTHEWS '25' FEDERAL 2, Wellbore #1, Wellbore #1 V0
OFFSET: BIRCH FEDERAL 1, Wellbore #1, Wellbore #1 V0	OFFSET: DOGWOOD FEDERAL 4, Wellbore #1, Wellbore #1 V0	
OFFSET: DOGWOOD FEDERAL 1, Wellbore #1, Wellbore #1 V0	OFFSET: EBONY STATE 4, Wellbore #1, Wellbore #1 V0	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



PROTOTYPE

Anticollision Report



Company:	SPUR ENERGY PARTNERS, LLC	Local Co-ordinate Reference:	Well 110H
Project:	EDDY COUNTY, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Reference Site:	TAYLORCREST B FEDERAL COM	MD Reference:	RKB = 20' @ 3586.00usft (AKITA 57)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.17 Single User Db
Reference Design:	PERMIT	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB = 20' @ 3586.00usft (AKITA 57) Coordinates are relative to: 110H

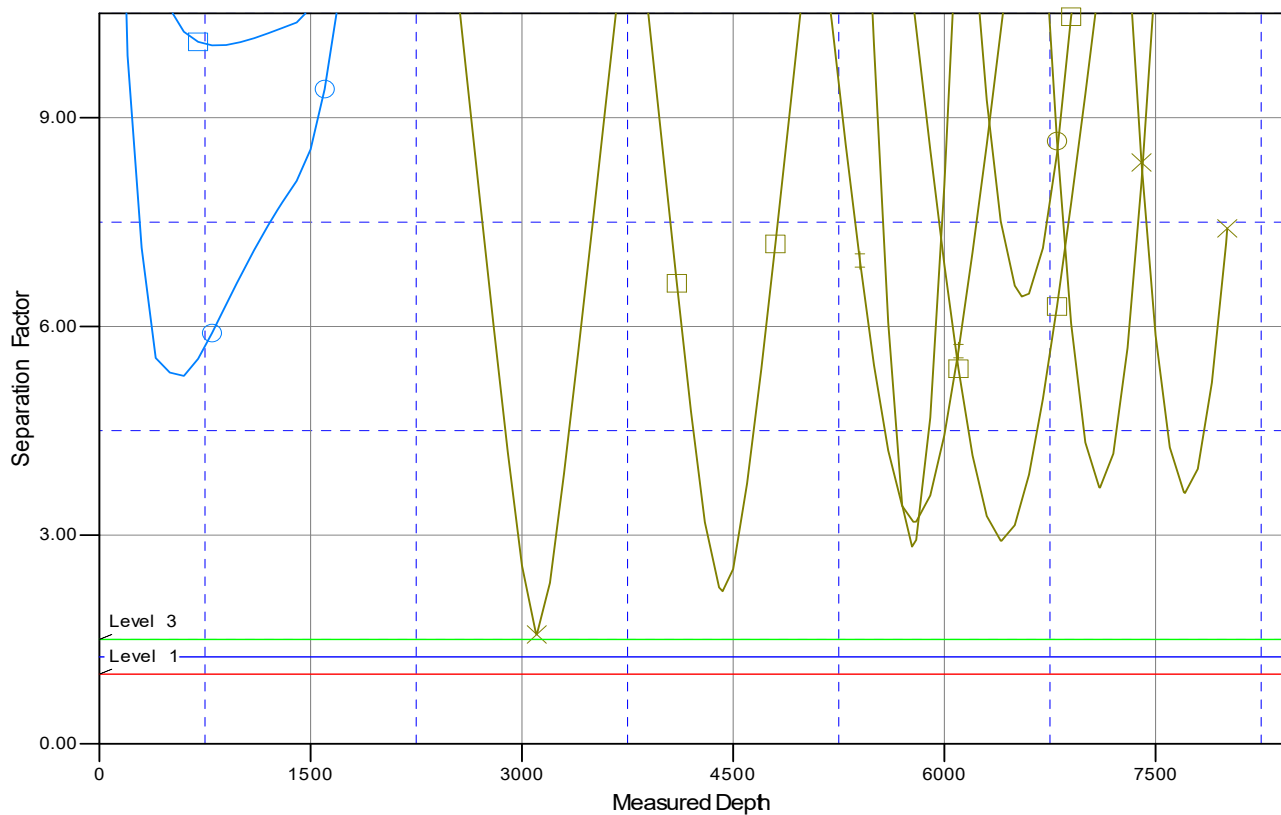
Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Central Meridian is -104.33334

Grid Convergence at Surface is: 0.06°

Separation Factor Plot



LEGEND

21H, Wellbore #1, PERMIT V0
 71H, Wellbore #1, PERMIT V0
 OFFSET: BIRCH FEDERAL 1, Wellbore #1, Wellbore #1 V0
 OFFSET: DOGWOOD FEDERAL 1, Wellbore #1, Wellbore #1 V0

OFFSET: DOGWOOD FEDERAL 2, Wellbore #1, Wellbore #1 V0
 OFFSET: DOGWOOD FEDERAL 3, Wellbore #1, Wellbore #1 V0
 OFFSET: DOGWOOD FEDERAL 4, Wellbore #1, Wellbore #1 V0
 OFFSET: EBONY STATE 4, Wellbore #1, Wellbore #1 V0

OFFSET: MATTHEWS '25' FEDERAL 1, Wellbore #1, Wellbore #1 V0
 OFFSET: MATTHEWS '25' FEDERAL 2, Wellbore #1, Wellbore #1 V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06

Spur Energy Partners LLC – Taylorcrest B Federal Com 110H

1. Geologic Formations

TVD of Target	2,380'
MD at TD	8,009'

Formation	Depth	Lithology	Expected Fluids
Quaternary	0'	Dolomite, other: Caliche	Useable Water
Tansill	135'	Sandstone, Dolomite	None
Yates	225'	Dolomite, Limestone, Shale, Siltstone	None
Seven Rivers	465'	Dolomite, Limestone	Natural Gas, Oil
Queen	1005'	Anhydrite, Dolomite, Sandstone	Natural Gas, Oil
Grayburg	1450'	Anhydrite	Natural Gas, Oil
San Andres	1765'	Limestone, Dolomite	Natural Gas, Oil
Middle San Andres	2155'	Dolomite, Limestone	Natural Gas, Oil
Glorieta	3150'	Dolomite, Siltstone	Natural Gas, Oil
Paddock	3250'	Dolomite, Limestone	Natural Gas, Oil

*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

Casing Formation Set Interval	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
Yates	17.5	0	250	13.375	54.5	J-55	BTC	1.125	1.2	1.4	1.4
Seven Rivers	12.25	0	875	9.625	36	J-55	BTC	1.125	1.2	1.4	1.4
N/A	8.75	0	2650	7	32	L-80	BK-HT	1.125	1.2	1.4	1.4
San Andres	8.75	2650	8009	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 – Taylorcrest B Federal Com 110H

	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?	Y
If yes, are there two strings cemented to surface?	Y
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 Tail	0	250	165%
Intermediate (Lead)	0	250	100%
Intermediate (Tail)	250	875	100%
Production (Lead)	0	1650	100%
Production (Tail)	1650	8009	25%

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H2O (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface Tail	232	13.2	1.87	9.92	6:59	Clas C Premium Plus Cement
Intermediate (Lead)	38	12	2.4	13.48	8:12	Clas C Premium Plus Cement
Intermediate (Tail)	220	13.2	1.87	9.92	6:59	Clas C Premium Plus Cement
Production (Lead)	314	11.4	2.42	15.29	N/A	Clas C Premium Plus Cement
Production (Tail)	1211	13.2	1.56	9.81	N/A	Clas C Premium Plus Cement

Spur Energy Partners LLC – Taylorcrest B Federal Com 110H

4. Pressure Control Equipment

Spur Energy Partners LLC variance for flex hose

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	1102 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	100°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.

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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	250	Water-Based Mud	8.6-8.9	32-36	N/C
250	875	Brine	10.0-10.5	32-36	N/C
875	8009	Brine	10.0-10.5	38-50	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 – Taylorcrest B Federal Com 110H

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: 858.1 bbls.

Spur Energy Partners LLC – Taylorcrest B Federal Com 110H**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

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:	☐ Initial Submittal		
		☒ Amended Report		
		☐ As Drilled		

WELL LOCATION INFORMATION

API Number 30-015-54742	Pool Code 51300	Pool Name RED LAKE; QUEEN-GRAYBURG-SA
Property Code	Property Name TAYLORCREST B FEDERAL COM	Well Number 110H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS LLC.	Ground Level Elevation 3566'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL E	Section 30	Township 17S	Range 28E	Lot 2	Ft. from N/S 2081 FNL	Ft. from E/W 896 FWL	Latitude 32.8066028°N	Longitude 104.2207246°W	County EDDY
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Bottom Hole Location

UL E	Section 25	Township 17S	Range 27E	Lot	Ft. from N/S 2043 FNL	Ft. from E/W 50 FWL	Latitude 32.8067677°N	Longitude 104.2406667°W	County EDDY
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Dedicated Acres 160	Infill or Defining Well N/A	Defining Well API N/A	Overlapping Spacing Unit (Y/N) Y	Consolidation Code F & C
Order Numbers. PENDING			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL E	Section 30	Township 17S	Range 28E	Lot 2	Ft. from N/S 2062 FNL	Ft. from E/W 836 FWL	Latitude 32.8066531°N	Longitude 104.2209227°W	County EDDY
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First Take Point (FTP)

UL H	Section 25	Township 17S	Range 27E	Lot	Ft. from N/S 2043 FNL	Ft. from E/W 100 FEL	Latitude 32.8066916°N	Longitude 104.2239675°W	County EDDY
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Last Take Point (LTP)

UL E	Section 25	Township 17S	Range 27E	Lot	Ft. from N/S 2043 FNL	Ft. from E/W 100 FWL	Latitude 32.8067669°N	Longitude 104.2405040°W	County EDDY
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3566'
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OPERATOR CERTIFICATIONS <i>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.</i> <i>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.</i> <i>Sarah Chapman</i> 08/05/2025 Signature Date		SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor	
Printed Name SARAH CHAPMAN SCHAPMAN@SPURENERGY.COM Email Address		Certificate Number 14400 Date of Survey 05/21/2025	

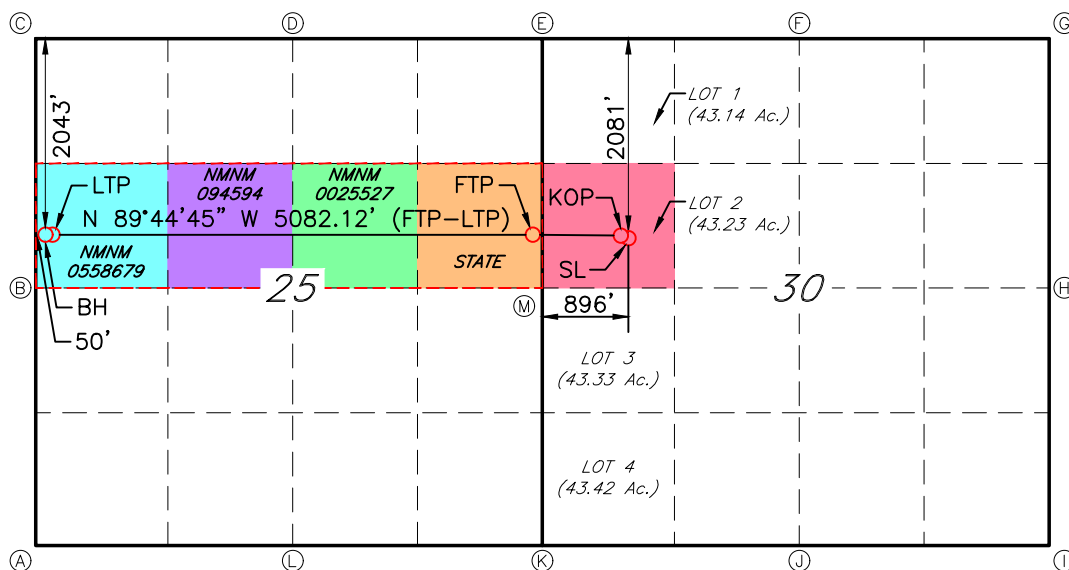
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

TAYLORCREST B FEDERAL COM #110H



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
2081' FNL & 896' FWL SEC.30
N: 657193.0 - E: 575935.8

LAT: 32.8066028° N
LONG: 104.2207246° W

KICK OFF POINT (KOP)
2062' FNL & 836' FWL SEC.30
N: 657211.3 - E: 575874.9

LAT: 32.8066531° N
LONG: 104.2209227° W

FIRST TAKE POINT (FTP)
2043' FNL & 100' FWL SEC.25
N: 657224.3 - E: 574939.4

LAT: 32.8066916° N
LONG: 104.2239675° W

LAST TAKE POINT (LTP)
2043' FNL & 100' FWL SEC.25
N: 657246.9 - E: 569858.7

LAT: 32.8067669° N
LONG: 104.2405040° W

BOTTOM HOLE (BH)
2043' FNL & 50' FWL SEC.25
N: 657247.1 - E: 569808.7

LAT: 32.8067677° N
LONG: 104.2406667° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1941"
N: 654022.0 - E: 569763.3

B: FOUND BRASS CAP "1941"
N: 656655.2 - E: 569759.5

C: FOUND BRASS CAP "1941"
N: 659289.8 - E: 569756.0

D: FOUND BRASS CAP "1941"
N: 659278.4 - E: 572390.9

E: FOUND BRASS CAP "1941"
N: 659266.3 - E: 575026.6

F: FOUND BRASS CAP "1941"
N: 659287.7 - E: 577748.5

G: FOUND BRASS CAP "1914"
N: 659309.9 - E: 580369.6

H: FOUND BRASS CAP "1914"
N: 656663.6 - E: 580349.6

I: FOUND BRASS CAP "1914"
N: 654017.3 - E: 580331.9

J: FOUND BRASS CAP "1941"
N: 653999.6 - E: 577752.7

K: FOUND BRASS CAP "1941"
N: 653983.4 - E: 575058.5

L: FOUND BRASS CAP "1941"
N: 654002.1 - E: 572411.1

M: FOUND BRASS CAP "1941"
N: 656625.0 - E: 575043.2



JOB #: LS22060680D3

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/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 519018

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 519018
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.	11/14/2025
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	11/14/2025