District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 289098

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

1. Operator Name and Address	2. OGRID Number
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	3. API Number 30-015-47698

4. Property Code	5. Property Name	6. Well No.
329801	BIG N TASTY	020H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	2	17S	31E	M	1168	S	60	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	2	17S	31E	P	1200	S	50	E	Eddy

9. Pool Information

FREN; GLORIETA-YESO	26770

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3965
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	11158	Yeso		1/22/2021
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

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

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	9.625	36	1200	1361	0
Prod	8.75	7	32	5800	1542	0
Prod	8.75	5.5	20	11158	1542	0

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Blind	5	70	Control Technology Inc.

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

Signature:

OIL CONSERVATION DIVISION

Printed Name:	Electronically filed by Sarah Chapman	Approved By:	Kurt Simmons	
Title:	Regulatory Director	Title:	Petroleum Specialist - A	
Email Address:	schapman@spurepllc.com	Approved Date:	11/23/2020	Expiration Date: 11/23/2022
Date:	11/18/2020 Phone: 832-930-8613	Conditions of Approval Attached		

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015-	~~27660~~ 26770	Fren; Glorieta-Yeso

4 Property Code	5 Property Name	6 Well Number
	BIG 'N TASTY	20H

7 OGRID NO.	8 Operator Name	9 Elevation
328947	SPUR ENERGY PARTNERS LLC.	3965'

10 Surface Location

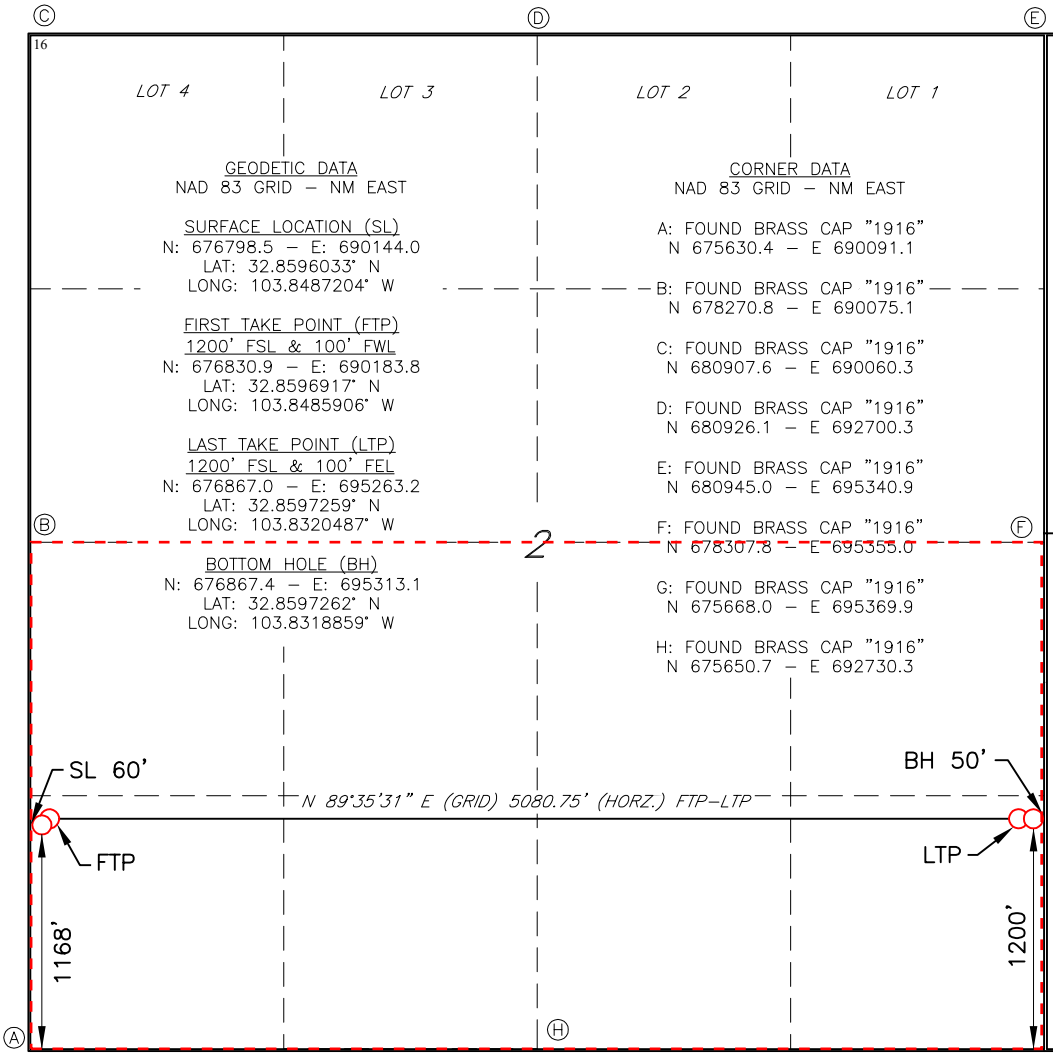
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
M	2	17S	31E		1168	SOUTH	60	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	17S	31E		1200	SOUTH	50	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sarah Chapman 11/13/2020
Signature Date

Sarah Chapman
Printed Name

schapman@spurepllc.com
E-mail Address

18 SURVEYOR CERTIFICATION

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

10-30-2020
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

19680
Certificate Number

Job No.: LS20100611

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GAS CAPTURE PLAN

Date: 11/23/2020

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: [328947] Spur Energy Partners LLC

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
BIG N TASTY #020H	30-015-47698	M-2-17S-31E	1168S 0060W	600	Flared	Will flare until tie-in complete.

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to FRONTIER FIELD SERVICES, LLC and will be connected to FRONTIER FIELD SERVICES, LLC Low Pressure gathering system located in Eddy County, New Mexico. It will require 500' of pipeline to connect the facility to Low Pressure gathering system. Spur Energy Partners LLC provides (periodically) to FRONTIER FIELD SERVICES, LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Spur Energy Partners LLC and FRONTIER FIELD SERVICES, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at FRONTIER FIELD SERVICES, LLC Processing Plant located in Sec. 21, Twn. 17S, Rng. 32E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on FRONTIER FIELD SERVICES, LLC system at that time. Based on current information, it is Spur Energy Partners LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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

Form APD Comments

Permit 289098

PERMIT COMMENTS

Operator Name and Address:	API Number:
Spur Energy Partners LLC [328947] 9655 Katy Freeway Houston, TX 77024	30-015-47698
	Well: BIG N TASTY #020H

Created By	Comment	Comment Date

District I
1625 N. French Dr., Hobbs, NM 88240
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Santa Fe, NM 87505

Form APD Conditions

Permit 289098

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
Spur Energy Partners LLC [328947] 9655 Katy Freeway Houston, TX 77024	30-015-47698
	Well: BIG N TASTY #020H

OCD Reviewer	Condition
ksimmons	Will require a directional survey with the C-104
ksimmons	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days

Spur Energy Partners LLC – Big 'N Tasty 20H

1. Geologic Formations

Formation	TVD - RKB	Expected Fluids
Top San Andres	3616'	Oil/Gas
Top Lower San Andres	4488'	Oil/Gas
Top Glorieta	5113'	Oil/Gas
Top Yeso	**5208'**	**Oil/Gas**
Base Yeso	6539'	Oil/Gas

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

2. Casing Program

Primary Plan:

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	Body SF Tension	Joint SF Tension
	From (ft)	To (ft)								
17.5	0	1200	9.625	36	J-55	BTC	1.125	1.2	1.4	1.4
8.75	0	5800	7	32	L-80	BK-HT	1.125	1.2	1.4	1.4
8.75	5800	11158	5.5	20	L-80	BK-HT	1.125	1.2	1.4	1.4
							SF Values will meet or Exceed			

Contingency Plan:

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

*Spur requests the option to run the 13.375" surface string as a contingency string to be run at a shallower depth only if severe hole conditions dictate an additional casing string necessary.

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	Body SF Tension	Joint SF Tension
	From (ft)	To (ft)								
17.5	0	450	13.375	54.5	J-55	BTC	1.125	1.2	1.4	1.4
12.25	0	1200	9.625	36	J-55	BTC	1.125	1.2	1.4	1.4
8.75	0	5800	7	32	L-80	BK-HT	1.125	1.2	1.4	1.4
8.75	0	11158	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 – Big 'N Tasty 20H

	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 3rd 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 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Spur Energy Partners LLC – Big 'N Tasty 20H

3. Cementing Program

Primary Plan:

Casing String	Top (ft)	Bottom (ft)	% Excess
Surface (Lead)	0	950	100%
Surface (Tail)	950	1200	165%
Production (Lead)	0	4800	0%
Production (Tail)	4800	11158	50%

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H20 (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface (Lead)	931	12.2	2.31	13.48	8:12	Clas C Premium Plus Cement
Surface (Tail)	430	13.2	1.84	9.92	6:59	Clas C Premium Plus Cement
Production (Lead)	292	11.8	2.54	15.29	N/A	Clas C Premium Plus Cement
Production (Tail)	1250	13.2	1.81	9.81	N/A	Clas C Premium Plus Cement

Contingency Plan:

*Contingency design will only be employed if Spur elects to run 13.375" Intermediate string.

Casing String	Top (ft)	Bottom (ft)	% Excess
Surface Tail	0	450	165%
Intermediate (Lead)	0	450	100%
Intermediate (Tail)	450	950	165%
Production (Lead)	0	4800	0%
Production (Tail)	4800	11158	50%

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H20 (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface Tail	436	13.2	1.84	13.48	6:59	Clas C Premium Plus Cement
Intermediate (Lead)	89	13.2	1.84	9.92	8:12	Clas C Premium Plus Cement
Intermediate (Tail)	349	13.2	1.84	9.92	6:59	Clas C Premium Plus Cement
Production (Lead)	497	11.8	2.54	15.29	N/A	Clas C Premium Plus Cement
Production (Tail)	1252	13.2	1.81	9.81	N/A	Clas C Premium Plus Cement

Spur Energy Partners LLC – Big 'N Tasty 20H

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
17.5" Hole	11"	3M	Annular	✓	70% of working pressure
		3M	Blind Ram	✓	250 psi / 3000 psi
			Pipe Ram	✓	
			Double Ram		
			Other*		
8.75" Hole	11"	3M	Annular	✓	70% of working pressure
		3M	Blind Ram	✓	250 psi / 3000 psi
			Pipe Ram	✓	
			Double Ram		
			Other*		

Condition	Specify what type and where?
BH Pressure at deepest TVD	2557 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	125°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.
	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.

Spur Energy Partners LLC – Big 'N Tasty 20H

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	1200	Water-Based Mud	8.6-8.9	32-36	N/C
1200	11158	Water-Based Mud	8.6-8.9	32-36	N/C

What will be used to monitor the loss or gain of fluid?	PVT/PASON/Visual Monitoring

Spur Energy Partners LLC – Big 'N Tasty 20H

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 (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S 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	H2S is present
Y	H2S Plan attached

Total estimated cuttings volume: 1186 bbls**.**

Attachments
_x__ Directional Plan
_x__ H2S Contingency Plan
_x__ Akita 57 Attachments
_x__ BOP Schematics

9. Company Personnel

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

Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)
Big 'n Tasty
#20H

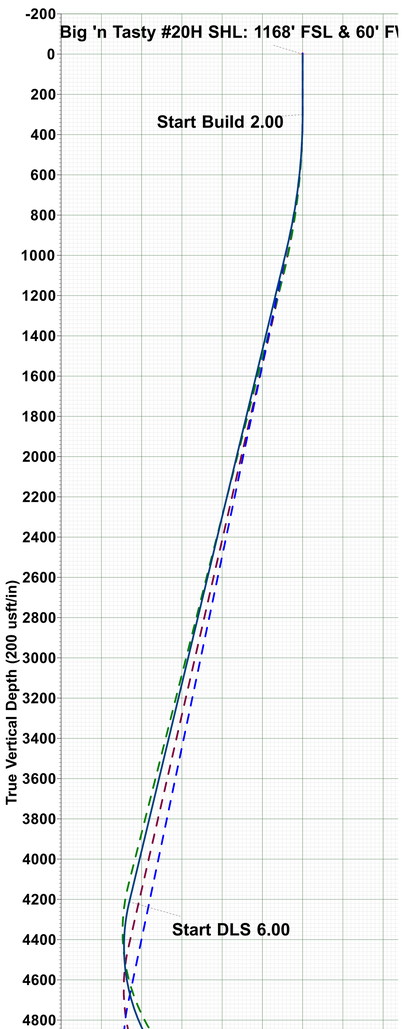
Wellbore #1

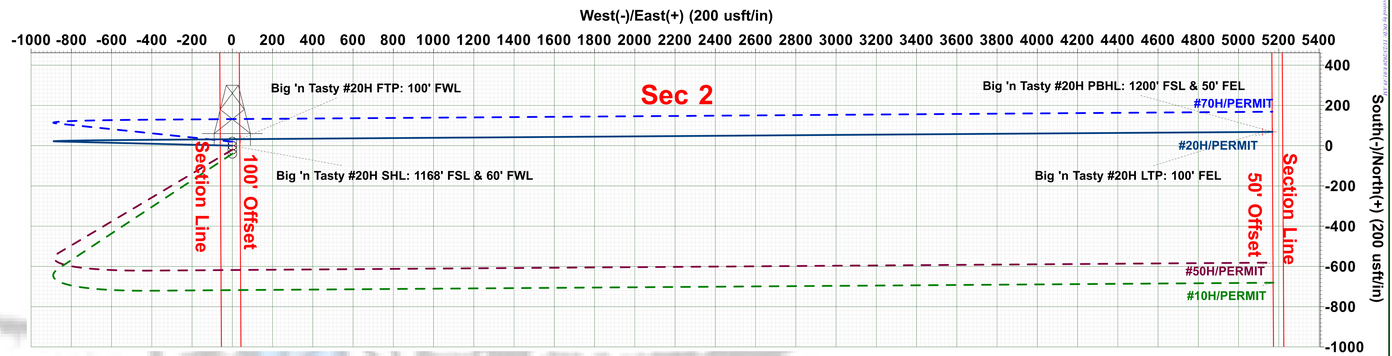
Plan: PERMIT

Standard Planning Report

10 November, 2020

Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Big 'n Tasty
Well: #20H
Wellbore: Wellbore #1
Rig:
Design: PERMIT / 17:07, November 10 2020





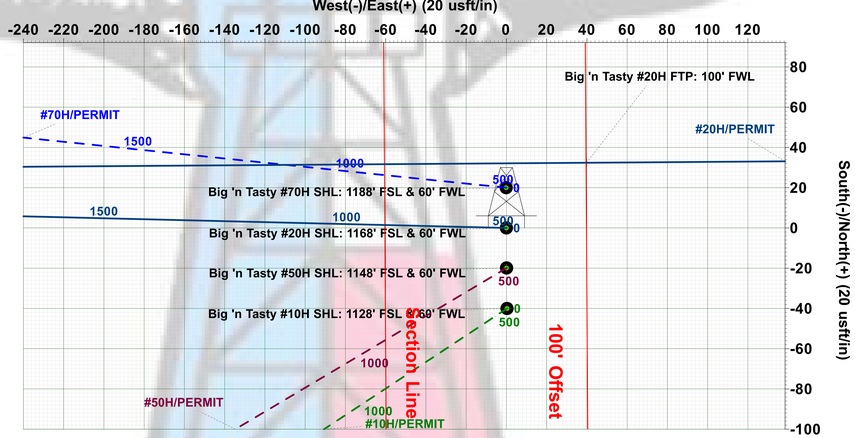
WELL DETAILS: #20H

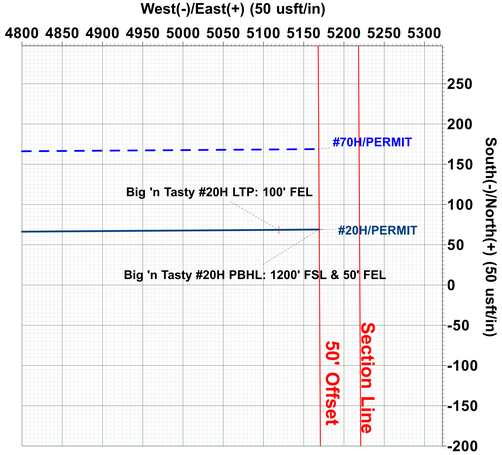
RKB = 20' @ 3985.00usft
3965.00

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.00	0.00	676798.50	690144.00	32.8596032	-103.8487206

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
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	977.96	13.56	271.38	971.65	1.92	-79.82	2.00	-79.81
4	4311.79	13.56	271.38	4212.56	20.76	-861.21	0.00	-861.04
5	5537.67	60.00	89.59	5263.32	29.20	-410.38	6.00	-410.16
6	5737.67	60.00	89.59	5363.32	30.43	-237.18	0.00	-236.95
7	6028.18	89.05	89.59	5440.00	32.40	39.80	10.00	40.03
8	11108.40	89.05	89.59	5524.17	68.54	5119.20	0.00	5119.56
9	11158.31	89.05	89.59	5525.00	68.90	5169.10	0.00	5169.46





DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Big 'n Tasty #20H SHL: 1168' FSL & 60' FWL	0.00	0.00	0.00	676798.50	690144.00	32.8596032	-103.8487206
Big 'n Tasty #20H FTP: 100' FWL	5440.00	32.40	39.80	676830.90	690183.80	32.8596918	-103.8485905
Big 'n Tasty #20H LTP: 100' FEL	5524.17	68.50	5119.20	676867.00	695263.20	32.8597258	-103.8320485
Big 'n Tasty #20H PBHL: 1200' FSL & 50' FEL	5525.00	68.90	5169.10	676867.40	695313.10	32.8597262	-103.8318860

Azimuths to Grid North
True North: -0.26°
Magnetic North: 6.53°

Magnetic Field
Strength: 47899.1snT
Dip Angle: 60.46°
Date: 11/09/2020
Model: IGRF2020

CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 6.531°
To convert a True Direction to a Grid Direction, Subtract 0.263°
To convert a Magnetic Direction to a True Direction, Add 6.794° East
Magnetic Declination: 6.794°
Grid Convergence: 0.263° West
Magnetic Dip Angle: 60.456°
Magnetic Field Strength: 47899.12392637nT

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

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

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

Plan: PERMIT (#20H/Wellbore #1)

Created By: Matthew May Date: 17:07, November 10 2020

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name

4 Property Code	5 Property Name	6 Well Number
	BIG 'N TASTY	20H

7 OGRID NO.	8 Operator Name	9 Elevation
	SPUR ENERGY PARTNERS LLC.	3965'

10 Surface Location

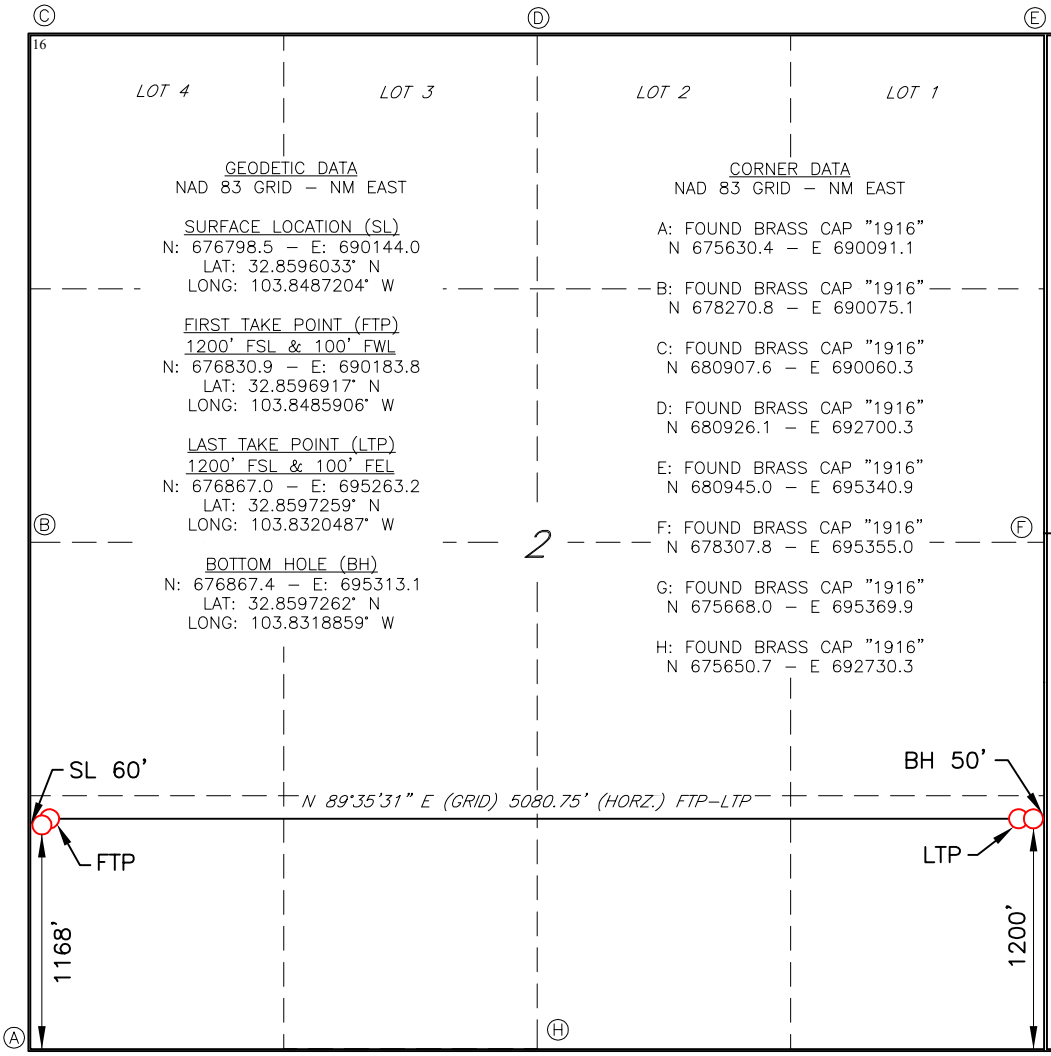
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
M	2	17S	31E		1168	SOUTH	60	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	17S	31E		1200	SOUTH	50	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Date

Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

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

10-30-2020
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT
NEW MEXICO
19680
PROFESSIONAL SURVEYOR

19680
Certificate Number

Job No.: LS20100611

Planning Report

Database:	WBDS_SQL_2	**Local Co-ordinate Reference:**	Well #20H
Company:	Spur Energy Partners, LLC	**TVD Reference:**	RKB = 20' @ 3985.00usft
Project:	Eddy County, NM (NAD 83 - NME)	**MD Reference:**	RKB = 20' @ 3985.00usft
Site:	Big 'n Tasty	**North Reference:**	Grid
Well:	#20H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
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		

Site Big 'n Tasty

Site Position:		**Northing:**	677,890.20 usft	**Latitude:**	32.8626039
From:	Map	**Easting:**	690,137.40 usft	**Longitude:**	-103.8487257
Position Uncertainty:	0.00 usft	**Slot Radius:**	13.200 in	**Grid Convergence:**	0.263 °

Well #20H

Well Position	**+N/-S**	-1,091.70 usft	**Northing:**	676,798.50 usft	**Latitude:**	32.8596032
	+E/-W	6.60 usft	**Easting:**	690,144.00 usft	**Longitude:**	-103.8487206
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,965.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/09/20	6.794	60.456	47,899.12392637

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	89.59

Plan Survey Tool Program **Date** 11/10/20

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	11,158.31	PERMIT (Wellbore #1)	MWD+IGRF	
				OWSG MWD + IGRF or WM	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.000	
977.96	13.56	271.38	971.65	1.92	-79.82	2.00	2.00	0.00	271.381	
4,311.79	13.56	271.38	4,212.56	20.76	-861.21	0.00	0.00	0.00	0.000	
5,537.67	60.00	89.59	5,263.32	29.20	-410.38	6.00	3.79	14.54	178.385	
5,737.67	60.00	89.59	5,363.32	30.43	-237.18	0.00	0.00	0.00	0.000	
6,028.18	89.05	89.59	5,440.00	32.40	39.80	10.00	10.00	0.00	0.000	Big 'n Tasty #20H F
11,108.40	89.05	89.59	5,524.17	68.54	5,119.20	0.00	0.00	0.00	0.000	Big 'n Tasty #20H L
11,158.31	89.05	89.59	5,525.00	68.90	5,169.10	0.00	0.00	0.00	0.000	Big 'n Tasty #20H P

SPUR ENERGY PARTNERS

Planning Report

WELLBENDERS DIRECTIONAL SERVICES

Database:	WBDS_SQL_2	**Local Co-ordinate Reference:**	Well #20H
Company:	Spur Energy Partners, LLC	**TVD Reference:**	RKB = 20' @ 3985.00usft
Project:	Eddy County, NM (NAD 83 - NME)	**MD Reference:**	RKB = 20' @ 3985.00usft
Site:	Big 'n Tasty	**North Reference:**	Grid
Well:	#20H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	2.00	271.38	399.98	0.04	-1.74	-1.74	2.00	2.00	0.00
500.00	4.00	271.38	499.84	0.17	-6.98	-6.98	2.00	2.00	0.00
600.00	6.00	271.38	599.45	0.38	-15.69	-15.69	2.00	2.00	0.00
700.00	8.00	271.38	698.70	0.67	-27.87	-27.87	2.00	2.00	0.00
800.00	10.00	271.38	797.47	1.05	-43.51	-43.50	2.00	2.00	0.00
900.00	12.00	271.38	895.62	1.51	-62.58	-62.57	2.00	2.00	0.00
977.96	13.56	271.38	971.65	1.92	-79.82	-79.81	2.00	2.00	0.00
1,000.00	13.56	271.38	993.08	2.05	-84.99	-84.97	0.00	0.00	0.00
1,100.00	13.56	271.38	1,090.29	2.61	-108.43	-108.41	0.00	0.00	0.00
1,200.00	13.56	271.38	1,187.50	3.18	-131.87	-131.84	0.00	0.00	0.00
1,300.00	13.56	271.38	1,284.71	3.74	-155.30	-155.27	0.00	0.00	0.00
1,400.00	13.56	271.38	1,381.93	4.31	-178.74	-178.71	0.00	0.00	0.00
1,500.00	13.56	271.38	1,479.14	4.87	-202.18	-202.14	0.00	0.00	0.00
1,600.00	13.56	271.38	1,576.35	5.44	-225.62	-225.57	0.00	0.00	0.00
1,700.00	13.56	271.38	1,673.57	6.00	-249.06	-249.01	0.00	0.00	0.00
1,800.00	13.56	271.38	1,770.78	6.57	-272.49	-272.44	0.00	0.00	0.00
1,900.00	13.56	271.38	1,867.99	7.14	-295.93	-295.87	0.00	0.00	0.00
2,000.00	13.56	271.38	1,965.20	7.70	-319.37	-319.31	0.00	0.00	0.00
2,100.00	13.56	271.38	2,062.42	8.27	-342.81	-342.74	0.00	0.00	0.00
2,200.00	13.56	271.38	2,159.63	8.83	-366.25	-366.18	0.00	0.00	0.00
2,300.00	13.56	271.38	2,256.84	9.40	-389.69	-389.61	0.00	0.00	0.00
2,400.00	13.56	271.38	2,354.05	9.96	-413.12	-413.04	0.00	0.00	0.00
2,500.00	13.56	271.38	2,451.27	10.53	-436.56	-436.48	0.00	0.00	0.00
2,600.00	13.56	271.38	2,548.48	11.09	-460.00	-459.91	0.00	0.00	0.00
2,700.00	13.56	271.38	2,645.69	11.66	-483.44	-483.34	0.00	0.00	0.00
2,800.00	13.56	271.38	2,742.91	12.22	-506.88	-506.78	0.00	0.00	0.00
2,900.00	13.56	271.38	2,840.12	12.79	-530.31	-530.21	0.00	0.00	0.00
3,000.00	13.56	271.38	2,937.33	13.35	-553.75	-553.64	0.00	0.00	0.00
3,100.00	13.56	271.38	3,034.54	13.92	-577.19	-577.08	0.00	0.00	0.00
3,200.00	13.56	271.38	3,131.76	14.48	-600.63	-600.51	0.00	0.00	0.00
3,300.00	13.56	271.38	3,228.97	15.05	-624.07	-623.94	0.00	0.00	0.00
3,400.00	13.56	271.38	3,326.18	15.61	-647.51	-647.38	0.00	0.00	0.00
3,500.00	13.56	271.38	3,423.40	16.18	-670.94	-670.81	0.00	0.00	0.00
3,600.00	13.56	271.38	3,520.61	16.74	-694.38	-694.24	0.00	0.00	0.00
3,700.00	13.56	271.38	3,617.82	17.31	-717.82	-717.68	0.00	0.00	0.00
3,800.00	13.56	271.38	3,715.03	17.87	-741.26	-741.11	0.00	0.00	0.00
3,900.00	13.56	271.38	3,812.25	18.44	-764.70	-764.55	0.00	0.00	0.00
4,000.00	13.56	271.38	3,909.46	19.00	-788.13	-787.98	0.00	0.00	0.00
4,100.00	13.56	271.38	4,006.67	19.57	-811.57	-811.41	0.00	0.00	0.00
4,200.00	13.56	271.38	4,103.89	20.13	-835.01	-834.85	0.00	0.00	0.00
4,300.00	13.56	271.38	4,201.10	20.70	-858.45	-858.28	0.00	0.00	0.00
4,311.79	13.56	271.38	4,212.56	20.76	-861.21	-861.04	0.00	0.00	0.00
4,350.00	11.27	271.71	4,249.87	20.98	-869.42	-869.25	6.00	-6.00	0.87
4,400.00	8.27	272.42	4,299.14	21.28	-877.90	-877.73	6.00	-6.00	1.41
4,450.00	5.27	273.92	4,348.79	21.59	-883.79	-883.61	6.00	-5.99	3.00
4,500.00	2.29	279.31	4,398.67	21.91	-887.07	-886.89	6.00	-5.96	10.79
4,550.00	0.83	62.68	4,448.66	22.24	-887.73	-887.55	6.00	-2.92	286.73
4,600.00	3.76	84.04	4,498.62	22.57	-885.78	-885.60	6.00	5.86	42.72
4,650.00	6.75	86.61	4,548.40	22.92	-881.22	-881.03	6.00	5.98	5.15
4,700.00	9.75	87.61	4,597.88	23.27	-874.05	-873.86	6.00	5.99	1.99

SPUR ENERGY PARTNERS

Planning Report

WELLBENDERS DIRECTIONAL SERVICES

Database:	WBDS_SQL_2	**Local Co-ordinate Reference:**	Well #20H
Company:	Spur Energy Partners, LLC	**TVD Reference:**	RKB = 20' @ 3985.00usft
Project:	Eddy County, NM (NAD 83 - NME)	**MD Reference:**	RKB = 20' @ 3985.00usft
Site:	Big 'n Tasty	**North Reference:**	Grid
Well:	#20H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,750.00	12.74	88.14	4,646.91	23.62	-864.31	-864.12	6.00	6.00	1.06
4,800.00	15.74	88.47	4,695.37	23.99	-852.02	-851.82	6.00	6.00	0.66
4,850.00	18.74	88.69	4,743.12	24.35	-837.20	-837.00	6.00	6.00	0.45
4,900.00	21.74	88.86	4,790.03	24.72	-819.91	-819.71	6.00	6.00	0.33
4,950.00	24.74	88.99	4,835.96	25.09	-800.18	-799.98	6.00	6.00	0.26
5,000.00	27.74	89.09	4,880.80	25.46	-778.08	-777.88	6.00	6.00	0.20
5,050.00	30.74	89.17	4,924.43	25.82	-753.66	-753.46	6.00	6.00	0.17
5,100.00	33.74	89.24	4,966.71	26.19	-726.99	-726.79	6.00	6.00	0.14
5,150.00	36.74	89.30	5,007.55	26.56	-698.15	-697.94	6.00	6.00	0.12
5,200.00	39.74	89.36	5,046.81	26.92	-667.20	-666.99	6.00	6.00	0.10
5,250.00	42.74	89.40	5,084.41	27.28	-634.25	-634.04	6.00	6.00	0.09
5,300.00	45.74	89.44	5,120.22	27.63	-599.37	-599.16	6.00	6.00	0.08
5,350.00	48.74	89.48	5,154.17	27.97	-562.67	-562.45	6.00	6.00	0.07
5,400.00	51.74	89.51	5,186.14	28.31	-524.24	-524.02	6.00	6.00	0.07
5,450.00	54.74	89.54	5,216.06	28.64	-484.19	-483.97	6.00	6.00	0.06
5,500.00	57.74	89.57	5,243.84	28.96	-442.62	-442.40	6.00	6.00	0.06
5,537.67	60.00	89.59	5,263.32	29.20	-410.38	-410.16	6.00	6.00	0.05
5,600.00	60.00	89.59	5,294.48	29.58	-356.40	-356.18	0.00	0.00	0.00
5,700.00	60.00	89.59	5,344.48	30.20	-269.80	-269.58	0.00	0.00	0.00
5,737.67	60.00	89.59	5,363.32	30.43	-237.18	-236.95	0.00	0.00	0.00
5,750.00	61.23	89.59	5,369.37	30.51	-226.44	-226.21	10.00	10.00	0.00
5,800.00	66.23	89.59	5,391.49	30.82	-181.61	-181.39	10.00	10.00	0.00
5,850.00	71.23	89.59	5,409.62	31.16	-135.04	-134.81	10.00	10.00	0.00
5,900.00	76.23	89.59	5,423.62	31.50	-87.05	-86.83	10.00	10.00	0.00
5,950.00	81.23	89.59	5,433.38	31.85	-38.03	-37.81	10.00	10.00	0.00
6,000.00	86.23	89.59	5,438.84	32.20	11.65	11.88	10.00	10.00	0.00
6,028.18	89.05	89.59	5,440.00	32.40	39.80	40.03	10.00	10.00	0.00
6,100.00	89.05	89.59	5,441.19	32.91	111.61	111.84	0.00	0.00	0.00
6,200.00	89.05	89.59	5,442.85	33.62	211.59	211.83	0.00	0.00	0.00
6,300.00	89.05	89.59	5,444.50	34.33	311.58	311.82	0.00	0.00	0.00
6,400.00	89.05	89.59	5,446.16	35.05	411.56	411.80	0.00	0.00	0.00
6,500.00	89.05	89.59	5,447.82	35.76	511.55	511.79	0.00	0.00	0.00
6,600.00	89.05	89.59	5,449.47	36.47	611.53	611.78	0.00	0.00	0.00
6,700.00	89.05	89.59	5,451.13	37.18	711.51	711.76	0.00	0.00	0.00
6,800.00	89.05	89.59	5,452.79	37.89	811.50	811.75	0.00	0.00	0.00
6,900.00	89.05	89.59	5,454.45	38.60	911.48	911.73	0.00	0.00	0.00
7,000.00	89.05	89.59	5,456.10	39.31	1,011.46	1,011.72	0.00	0.00	0.00
7,100.00	89.05	89.59	5,457.76	40.03	1,111.45	1,111.71	0.00	0.00	0.00
7,200.00	89.05	89.59	5,459.42	40.74	1,211.43	1,211.69	0.00	0.00	0.00
7,300.00	89.05	89.59	5,461.07	41.45	1,311.42	1,311.68	0.00	0.00	0.00
7,400.00	89.05	89.59	5,462.73	42.16	1,411.40	1,411.67	0.00	0.00	0.00
7,500.00	89.05	89.59	5,464.39	42.87	1,511.38	1,511.65	0.00	0.00	0.00
7,600.00	89.05	89.59	5,466.04	43.58	1,611.37	1,611.64	0.00	0.00	0.00
7,700.00	89.05	89.59	5,467.70	44.29	1,711.35	1,711.62	0.00	0.00	0.00
7,800.00	89.05	89.59	5,469.36	45.01	1,811.33	1,811.61	0.00	0.00	0.00
7,900.00	89.05	89.59	5,471.01	45.72	1,911.32	1,911.60	0.00	0.00	0.00
8,000.00	89.05	89.59	5,472.67	46.43	2,011.30	2,011.58	0.00	0.00	0.00
8,100.00	89.05	89.59	5,474.33	47.14	2,111.29	2,111.57	0.00	0.00	0.00
8,200.00	89.05	89.59	5,475.98	47.85	2,211.27	2,211.56	0.00	0.00	0.00
8,300.00	89.05	89.59	5,477.64	48.56	2,311.25	2,311.54	0.00	0.00	0.00
8,400.00	89.05	89.59	5,479.30	49.28	2,411.24	2,411.53	0.00	0.00	0.00
8,500.00	89.05	89.59	5,480.96	49.99	2,511.22	2,511.51	0.00	0.00	0.00
8,600.00	89.05	89.59	5,482.61	50.70	2,611.20	2,611.50	0.00	0.00	0.00
8,700.00	89.05	89.59	5,484.27	51.41	2,711.19	2,711.49	0.00	0.00	0.00

Planning Report

Database:	WBDS_SQL_2	**Local Co-ordinate Reference:**	Well #20H
Company:	Spur Energy Partners, LLC	**TVD Reference:**	RKB = 20' @ 3985.00usft
Project:	Eddy County, NM (NAD 83 - NME)	**MD Reference:**	RKB = 20' @ 3985.00usft
Site:	Big 'n Tasty	**North Reference:**	Grid
Well:	#20H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

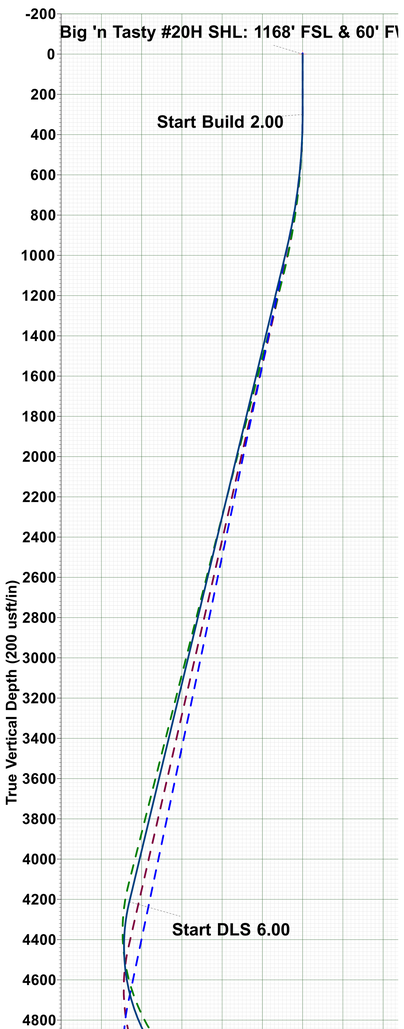
Planned Survey

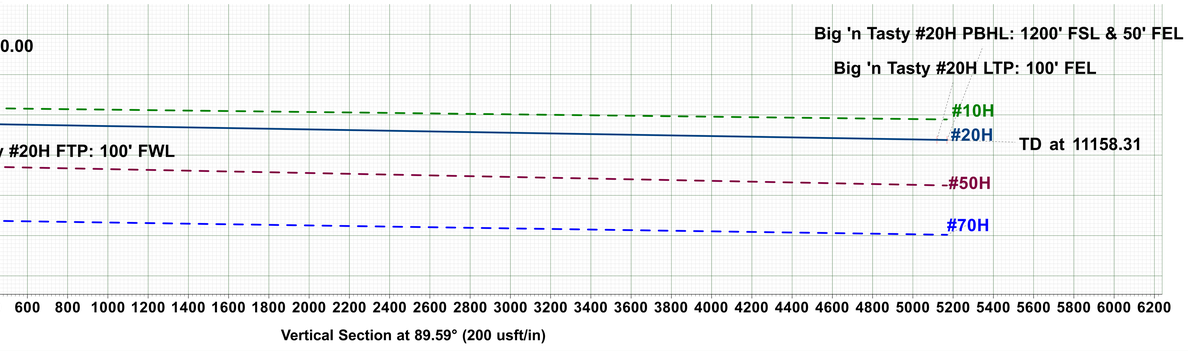
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,800.00	89.05	89.59	5,485.93	52.12	2,811.17	2,811.47	0.00	0.00	0.00
8,900.00	89.05	89.59	5,487.58	52.83	2,911.16	2,911.46	0.00	0.00	0.00
9,000.00	89.05	89.59	5,489.24	53.54	3,011.14	3,011.45	0.00	0.00	0.00
9,100.00	89.05	89.59	5,490.90	54.26	3,111.12	3,111.43	0.00	0.00	0.00
9,200.00	89.05	89.59	5,492.55	54.97	3,211.11	3,211.42	0.00	0.00	0.00
9,300.00	89.05	89.59	5,494.21	55.68	3,311.09	3,311.40	0.00	0.00	0.00
9,400.00	89.05	89.59	5,495.87	56.39	3,411.07	3,411.39	0.00	0.00	0.00
9,500.00	89.05	89.59	5,497.52	57.10	3,511.06	3,511.38	0.00	0.00	0.00
9,600.00	89.05	89.59	5,499.18	57.81	3,611.04	3,611.36	0.00	0.00	0.00
9,700.00	89.05	89.59	5,500.84	58.52	3,711.03	3,711.35	0.00	0.00	0.00
9,800.00	89.05	89.59	5,502.49	59.24	3,811.01	3,811.34	0.00	0.00	0.00
9,900.00	89.05	89.59	5,504.15	59.95	3,910.99	3,911.32	0.00	0.00	0.00
10,000.00	89.05	89.59	5,505.81	60.66	4,010.98	4,011.31	0.00	0.00	0.00
10,100.00	89.05	89.59	5,507.47	61.37	4,110.96	4,111.29	0.00	0.00	0.00
10,200.00	89.05	89.59	5,509.12	62.08	4,210.94	4,211.28	0.00	0.00	0.00
10,300.00	89.05	89.59	5,510.78	62.79	4,310.93	4,311.27	0.00	0.00	0.00
10,400.00	89.05	89.59	5,512.44	63.50	4,410.91	4,411.25	0.00	0.00	0.00
10,500.00	89.05	89.59	5,514.09	64.22	4,510.90	4,511.24	0.00	0.00	0.00
10,600.00	89.05	89.59	5,515.75	64.93	4,610.88	4,611.23	0.00	0.00	0.00
10,700.00	89.05	89.59	5,517.41	65.64	4,710.86	4,711.21	0.00	0.00	0.00
10,800.00	89.05	89.59	5,519.06	66.35	4,810.85	4,811.20	0.00	0.00	0.00
10,900.00	89.05	89.59	5,520.72	67.06	4,910.83	4,911.18	0.00	0.00	0.00
11,000.00	89.05	89.59	5,522.38	67.77	5,010.81	5,011.17	0.00	0.00	0.00
11,108.40	89.05	89.59	5,524.17	68.54	5,119.20	5,119.56	0.00	0.00	0.00
11,158.31	89.05	89.59	5,525.00	68.90	5,169.10	5,169.46	0.00	0.00	0.00

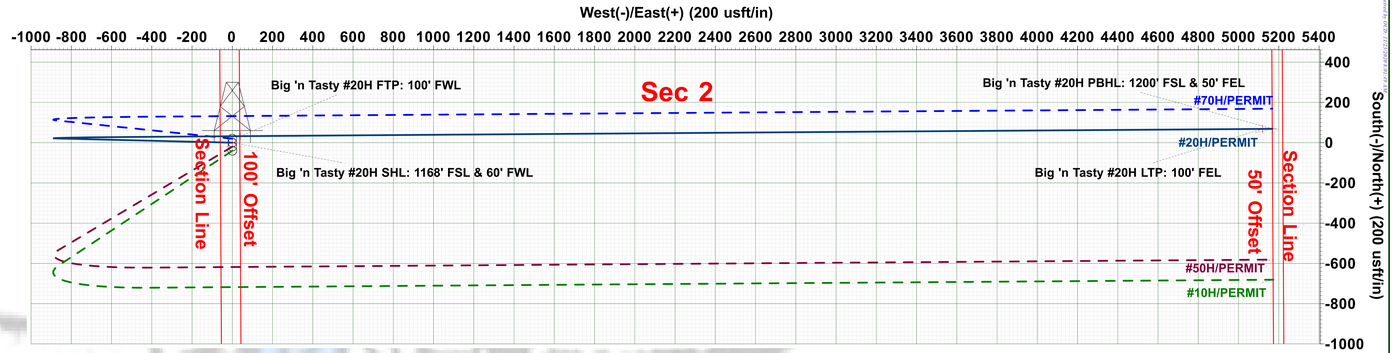
Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Big 'n Tasty #20H SHL - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	676,798.50	690,144.00	32.8596032	-103.8487206
Big 'n Tasty #20H FTP - plan hits target center - Point	0.00	0.00	5,440.00	32.40	39.80	676,830.90	690,183.80	32.8596918	-103.8485905
Big 'n Tasty #20H LTP - plan misses target center by 0.05usft at 11108.40usft MD (5524.17 TVD, 68.54 N, 5119.20 E) - Point	0.00	0.00	5,524.17	68.50	5,119.20	676,867.00	695,263.20	32.8597258	-103.8320485
Big 'n Tasty #20H PBH - plan hits target center - Point	0.00	0.00	5,525.00	68.90	5,169.10	676,867.40	695,313.10	32.8597263	-103.8318860

Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Big 'n Tasty
Well: #20H
Wellbore: Wellbore #1
Rig:
Design: PERMIT / 17:07, November 10 2020







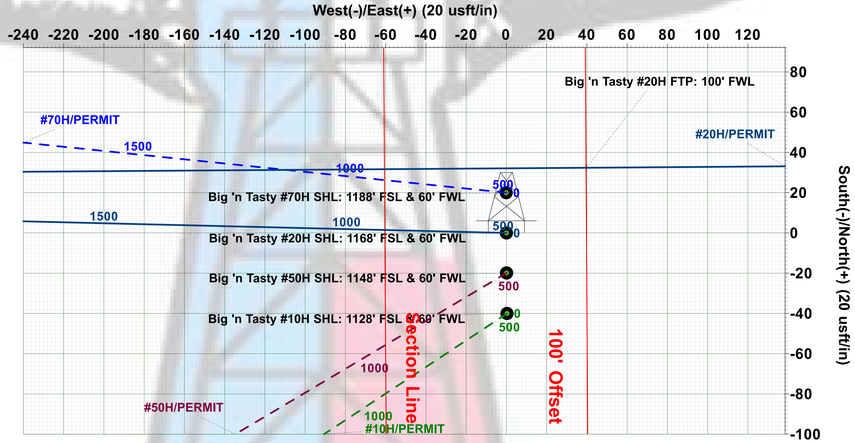
WELL DETAILS: #20H

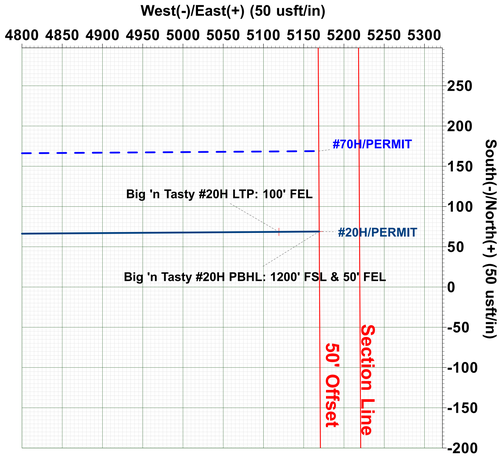
RKB = 20' @ 3985.00usft
3965.00

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.00	0.00	676798.50	690144.00	32.8596032	-103.8487206

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
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	977.96	13.56	271.38	971.65	1.92	-79.82	2.00	-79.81
4	4311.79	13.56	271.38	4212.56	20.76	-861.21	0.00	-861.04
5	5537.67	60.00	89.59	5263.32	29.20	-410.38	6.00	-410.16
6	5737.67	60.00	89.59	5363.32	30.43	-237.18	0.00	-236.95
7	6028.18	89.05	89.59	5440.00	32.40	39.80	10.00	40.03
8	11108.40	89.05	89.59	5524.17	68.54	5119.20	0.00	5119.56
9	11158.31	89.05	89.59	5525.00	68.90	5169.10	0.00	5169.46





DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Big 'n Tasty #20H SHL: 1168' FSL & 60' FWL	0.00	0.00	0.00	676798.50	690144.00	32.8596032	-103.8487206
Big 'n Tasty #20H FTP: 100' FWL	5440.00	32.40	39.80	676830.90	690183.80	32.8596918	-103.8485905
Big 'n Tasty #20H LTP: 100' FEL	5524.17	68.50	5119.20	676867.00	695263.20	32.8597258	-103.8320485
Big 'n Tasty #20H PBHL: 1200' FSL & 50' FEL	5525.00	68.90	5169.10	676867.40	695313.10	32.8597262	-103.8318860

Azimuths to Grid North
True North: -0.26°
Magnetic North: 6.53°

Magnetic Field
Strength: 47899.1snT
Dip Angle: 60.46°
Date: 11/09/2020
Model: IGRF2020

CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 6.531°
To convert a True Direction to a Grid Direction, Subtract 0.263°
To convert a Magnetic Direction to a True Direction, Add 6.794° East
Magnetic Declination: 6.794°
Grid Convergence: 0.263° West
Magnetic Dip Angle: 60.456°
Magnetic Field Strength: 47899.12392637nT

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

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

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

Plan: PERMIT (#20H/Wellbore #1)

Created By: Matthew May Date: 17:07, November 10 2020

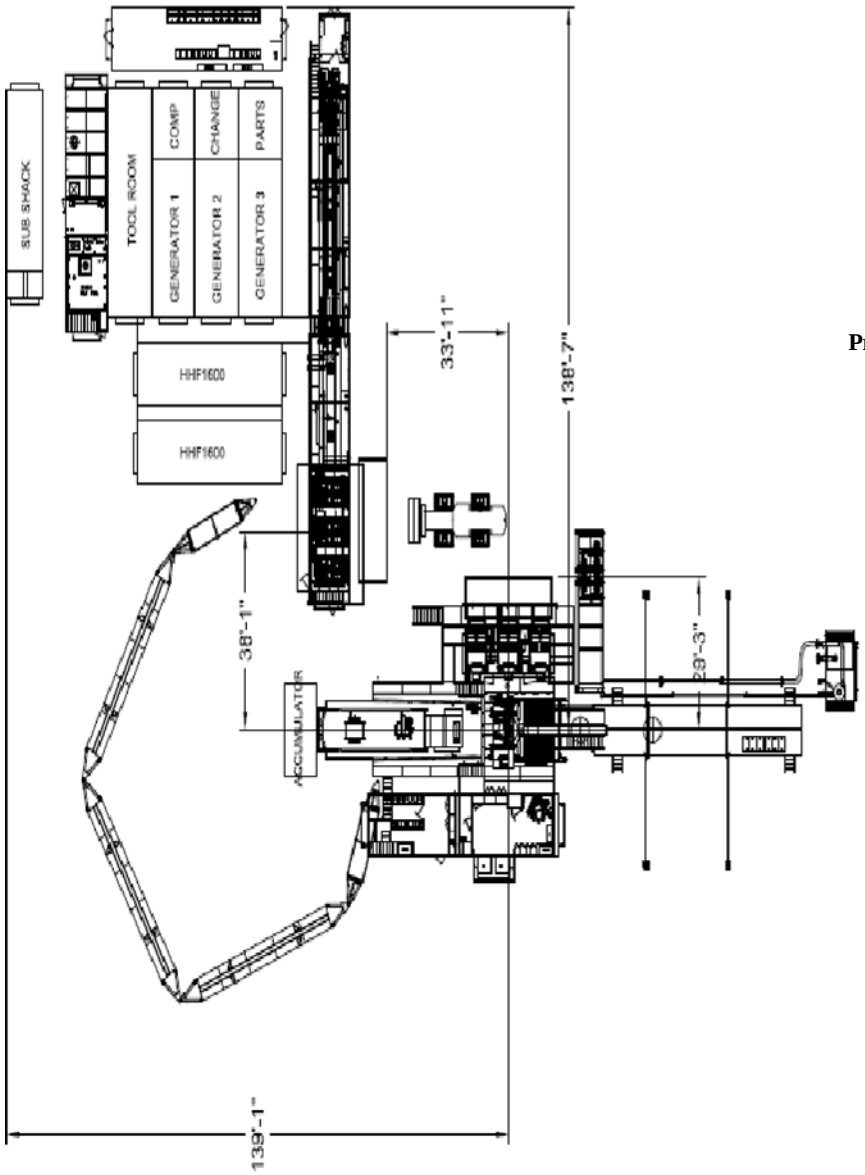
Permian Drilling
Hydrogen Sulfide Drilling Operations Plan
Big 'N Tasty 20H

Open drill site. No homes or buildings are near the proposed location.

1. Escape

   Personnel shall escape upwind of wellbore in the event of an emergency gas release. Escape can take place through the lease road on the Southeast side of the location. Personnel need to move to a safe distance and block the entrance to location. If the primary route is not an option due to the wind direction, then a secondary egress route should be taken.

Secondary Briefing Area



Primary Briefing Area

Exit to road. Caution sign placed here.

N

Secondary Egress

WIND: Prevailing winds are from the Southwest

Intent ☐ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018