

Well Name: GAVILON FED COM	Well Location: T20S / R33E / SEC 33 / SWSW / 32.522694 / -103.67458	County or Parish/State: LEA / NM
Well Number: 602H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM057683, NMNM57683	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546586	Well Status: Approved Application for Permit to Drill	Operator: ASCENT ENERGY LLC

Notice of Intent

Sundry ID: 2641909

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 10/27/2021

Time Sundry Submitted: 04:02

Date proposed operation will begin: 11/07/2021

Procedure Description: Ascent Energy respectfully requests to amend the surface hole location of the Gavilon Fed Com 602H. The current SHL is 155' FSL, 767' FWL. The new requested SHL is 130' FSL, 817' FWL. This requested change is located within the current well pad boundaries and there will be no additional surface disturbance. Please see attached revised C102

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

2018010118_ASCENT_GAVILON_602H_C_102_FINAL_10_25_2021_signed_20211027160223.pdf

Well Name: GAVILON FED COM	Well Location: T20S / R33E / SEC 33 / SWSW / 32.522694 / -103.67458	County or Parish/State: LEA / NM
Well Number: 602H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM057683, NMNM57683	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546586	Well Status: Approved Application for Permit to Drill	Operator: ASCENT ENERGY LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BEN METZ	Signed on: OCT 27, 2021 04:02 PM
Name: ASCENT ENERGY LLC	
Title: Vice President Exploration	
Street Address: PO BOX 270983	
City: LITTLETON	State: CO
Phone: (303) 513-8590	
Email address: BMETZ@ASCENTENERGY.US	

Field Representative

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

BLM Point of Contact

BLM POC Name: Cody Layton	BLM POC Title: Assistant Field Manager Lands & Minerals
BLM POC Phone: 5752345959	BLM POC Email Address: clayton@blm.gov
Disposition: Approved	Disposition Date: 11/05/2021
Signature: Cody R. Layton	

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 30-025 -46589	² Pool Code 30213	³ Pool Name HAT MESA; BONE SPRING
⁴ Property Code 326516	⁵ Property Name GAVILON FED COM	⁶ Well Number 602H
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY, LLC.	⁹ Elevation 3,661'

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	33	20 S	33 E		130	SOUTH	817	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	20 S	33 E		50	NORTH	330	WEST	LEA

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

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.

	¹⁶	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>W Ben Metz</i> 10-27-2021 Signature Date W Ben Metz Printed Name bmetz@ascentenergy.us 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. 10-25-2021 Date of Survey Signature and Seal of Professional Surveyor: 	SHL (NAD83 NME) Y = 554,520.1 X = 744,503.0 LAT. = 32.522708 °N LONG. = 103.674175 °W FTP (NAD83 NME) Y = 554,487.4 X = 744,016.2 LAT. = 32.522626 °N LONG. = 103.675755 °W LTP (NAD83 NME) Y = 564,849.6 X = 743,947.0 LAT. = 32.551109 °N LONG. = 103.675772 °W BHL (NAD83 NME) Y = 564,899.6 X = 743,946.7 LAT. = 32.551246 °N LONG. = 103.675772 °W CORNER COORDINATES (NAD83 NME) A - Y = 564,948.1 N , X = 743,616.3 E B - Y = 562,307.0 N , X = 743,634.1 E C - Y = 559,665.9 N , X = 743,652.0 E D - Y = 557,026.4 N , X = 743,669.6 E E - Y = 554,385.5 N , X = 743,686.9 E F - Y = 554,393.0 N , X = 745,009.1 E G - Y = 557,033.7 N , X = 744,991.7 E H - Y = 559,673.1 N , X = 744,974.2 E I - Y = 562,313.8 N , X = 744,956.5 E J - Y = 564,954.1 N , X = 744,938.9 E SHL (NAD27 NME) Y = 554,459.0 X = 703,322.3 LAT. = 32.522587 °N LONG. = 103.673681 °W FTP (NAD27 NME) Y = 554,426.3 X = 702,835.6 LAT. = 32.522506 °N LONG. = 103.675261 °W LTP (NAD27 NME) Y = 564,788.3 X = 702,766.7 LAT. = 32.550989 °N LONG. = 103.675277 °W BHL (NAD27 NME) Y = 564,838.3 X = 702,766.3 LAT. = 32.551126 °N LONG. = 103.675277 °W CORNER COORDINATES (NAD27 NME) A - Y = 564,886.8 N , X = 702,436.0 E B - Y = 562,245.7 N , X = 702,453.7 E C - Y = 559,604.6 N , X = 702,471.5 E D - Y = 556,965.2 N , X = 702,489.0 E E - Y = 554,324.4 N , X = 702,506.2 E F - Y = 554,331.9 N , X = 703,828.4 E G - Y = 556,972.5 N , X = 703,811.1 E H - Y = 559,611.9 N , X = 703,793.7 E I - Y = 562,252.5 N , X = 703,776.1 E J - Y = 564,892.8 N , X = 703,758.5 E

ASCENT ENERGY

**LEA COUNTY, NEW MEXICO (NAD 83) (GRID)
SEC. 33 T20S R33E N.M.P.M. (GRID)
GAVILON FED COM 602H**

ORIGINAL WELLBORE

27 October, 2021

Plan: PROPOSAL #3





Project: LEA COUNTY, NEW MEXICO (NAD 83) (GRID)
Site: SEC. 33 T20S R33E N.M.P.M. (GRID)
Well: GAVILON FED COM 602H
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #3

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 130ft FSL & 817ft FWL of Sec 33	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	START NUDGE (2°/100ft BUR)	
2400.00	8.00	190.00	2398.70	-27.46	-4.84	-27.42	27.88	EOB TO 8° INC	
2963.69	12.00	255.33	2955.29	-81.10	-68.55	-80.64	116.45	EOB & T TO 12° INC & 255.33° AZ	
4213.65	12.00	255.33	4177.93	-146.89	-319.96	-144.77	376.33	END OF TANGENT	
4813.65	0.00	255.33	4773.56	-162.74	-380.53	-160.21	438.93	EOD TO VERTICAL	
10779.14	0.00	0.00	10739.05	-162.74	-380.53	-160.21	438.93	KOP (10°/100ft BUR)	
11174.82	39.57	352.00	11104.02	-32.74	-398.80	-30.09	570.63	FTP: 100ft FSL & 418.11ft FWL of Sec 33	
11675.94	89.68	352.00	11312.00	401.47	-459.82	404.51	1008.68	HZ LP: 534.21ft FSL & 360ft FWL of Sec 33	
11775.94	89.68	352.00	11312.56	500.49	-473.74	503.62	1108.68	END OF TANGENT	
12029.88	89.68	359.62	11313.97	753.56	-492.28	756.81	1362.62	EOT TO 359.62° AZ	
21606.58	89.68	359.62	11366.72	10329.90	-556.09	10333.36	10939.17	LTP: 100ft FNL & 330ft FWL of Sec 33	
21656.58	89.68	359.62	11367.00	10379.90	-556.43	10383.36	10989.17	BHL: 50ft FNL & 330ft FWL of Sec 28	

PROPOSED LOCAL COORDINATES:

SHL: 130ft FSL & 817ft FWL of Sec 33

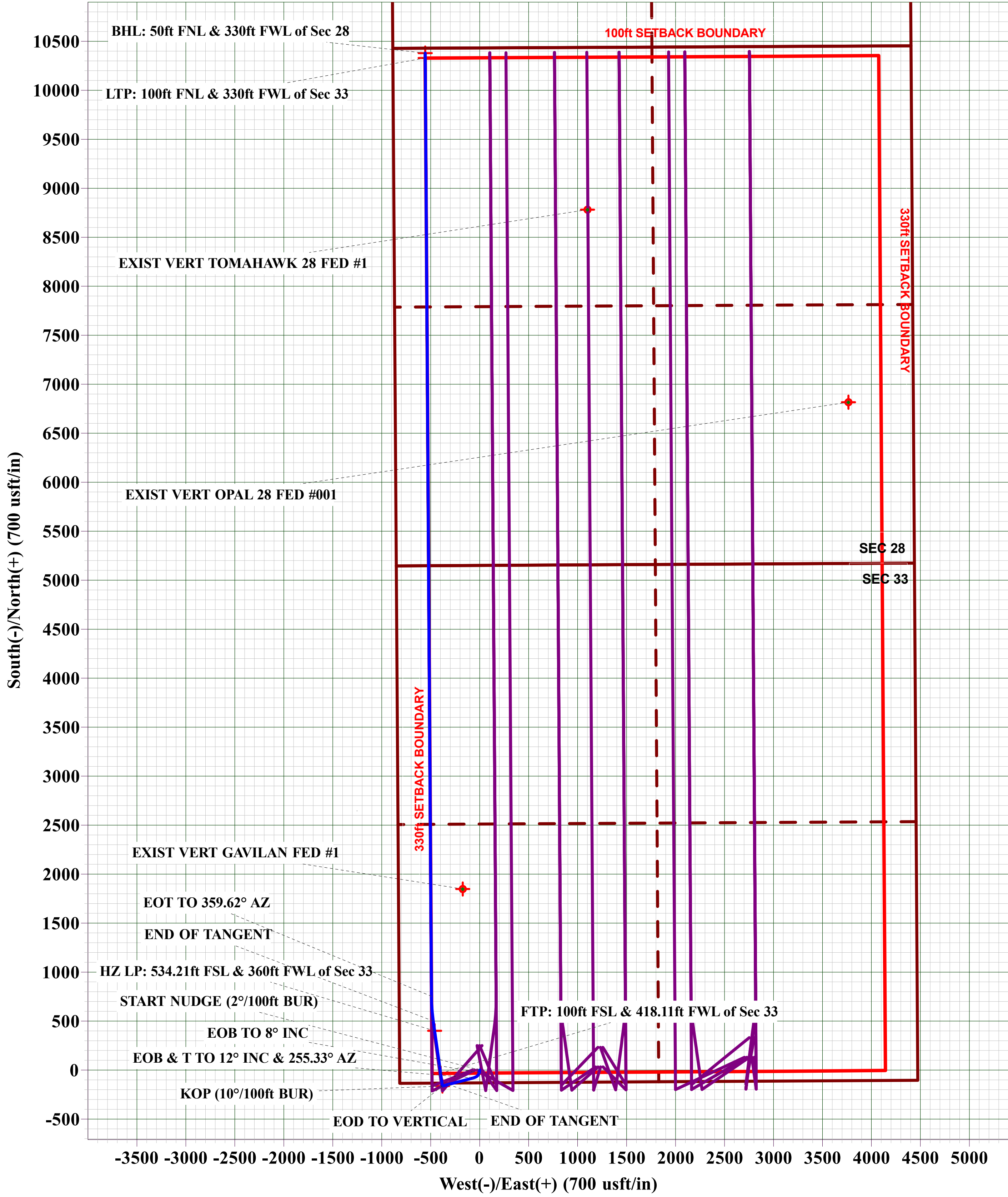
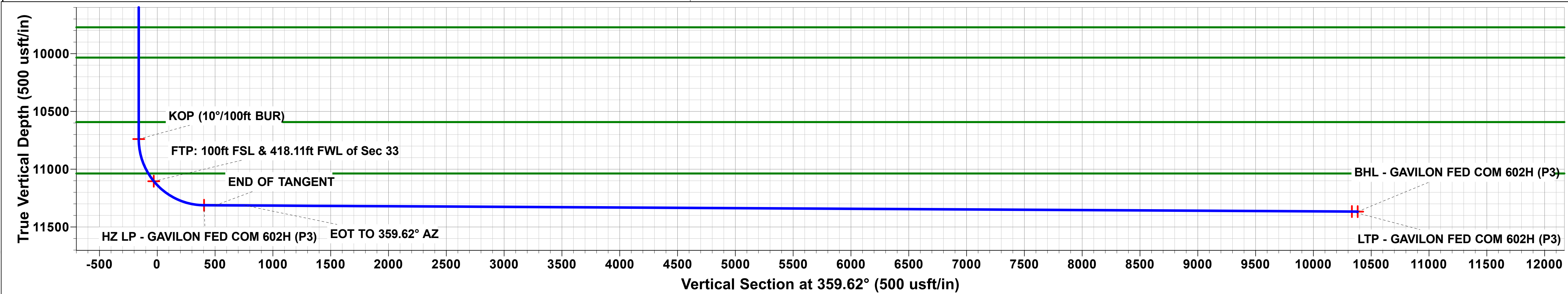
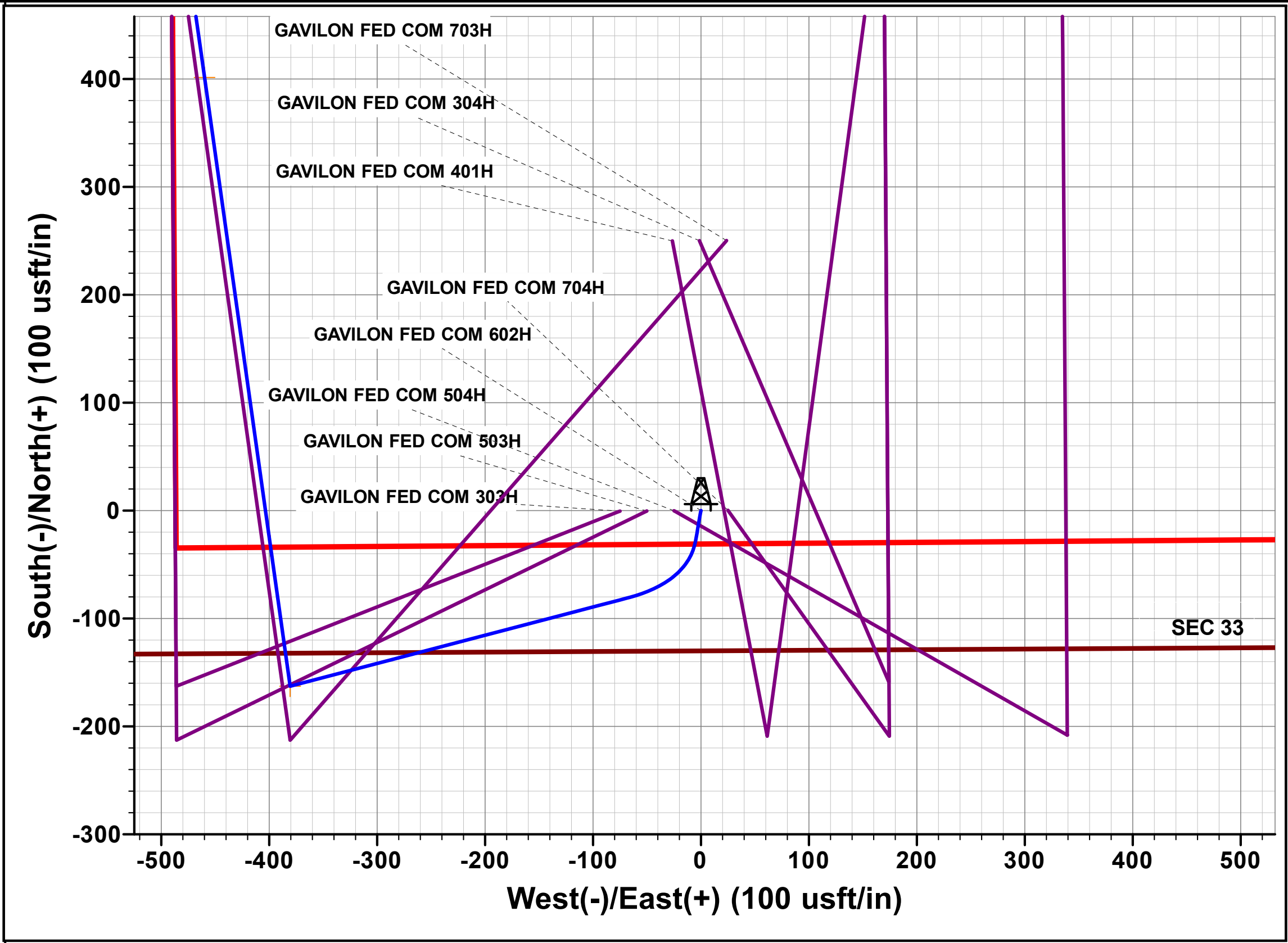
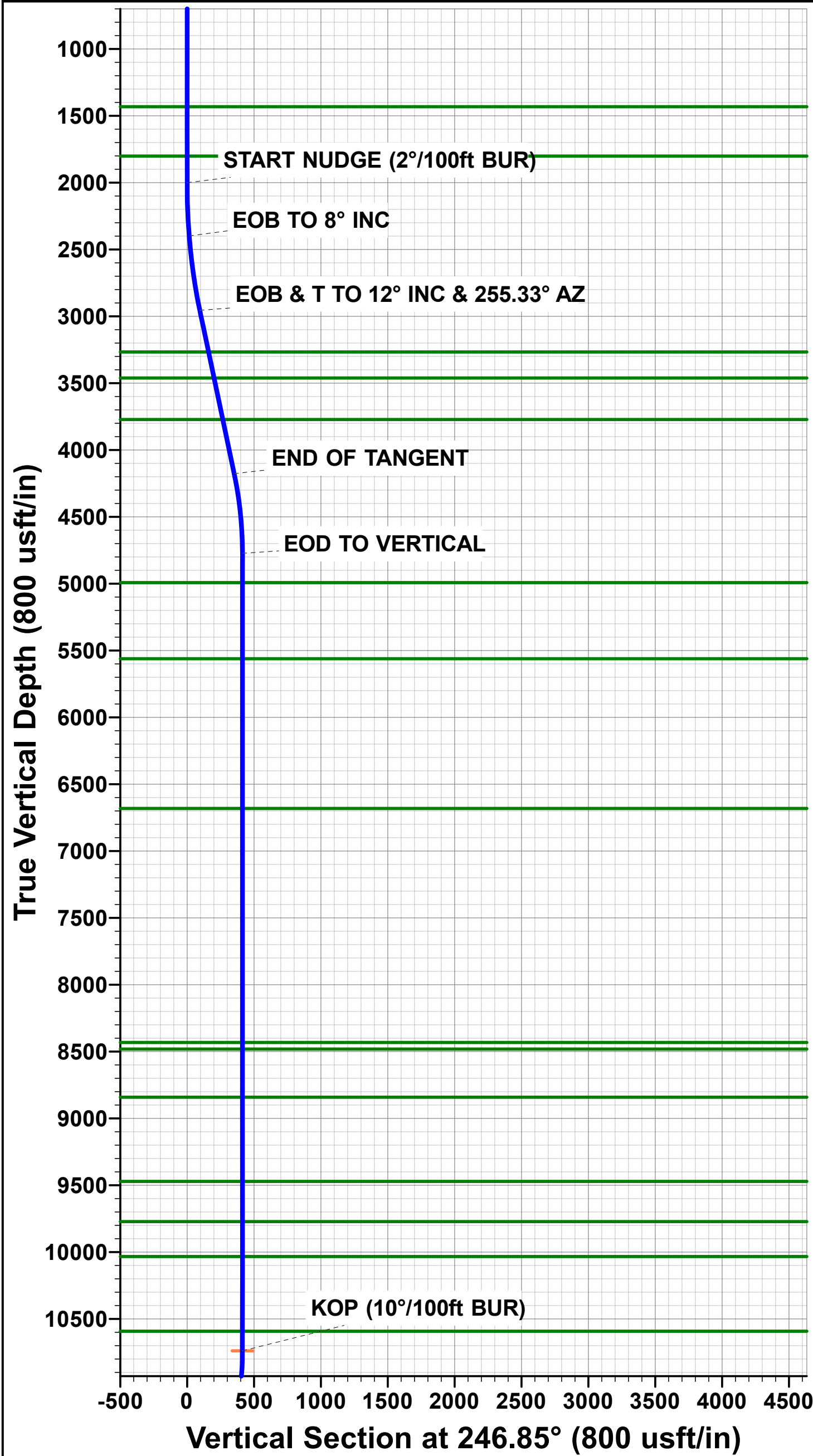
FTP: 100ft FSL & 418.11ft FWL of Sec 33

HZ LP: 624.21ft FSL & 360ft FWL of Sec 33

LTP: 100ft FNL & 330ft FWL of Sec 28

BHL: 50ft FNL & 330ft FWL of Sec 28

WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
KOP - GAVILON FED COM 602H (P3)	10739.05	-162.74	-380.53	32.522267	-103.675413	
FTP - GAVILON FED COM 602H (P3)	11104.01	-32.74	-398.80	32.522625	-103.675469	
HZ LP - GAVILON FED COM 602H (P3)	11312.00	401.47	-459.82	32.523819	-103.675658	
LTP - GAVILON FED COM 602H (P3)	11366.72	10329.90	-556.09	32.551109	-103.675772	
BHL - GAVILON FED COM 602H (P3)	11367.00	10379.90	-556.43	32.551246	-103.675772	



Planning Report



Database:	Database 1	Local Co-ordinate Reference:	Well GAVILON FED COM 602H
Company:	ASCENT ENERGY	TVD Reference:	KB EST 24.5ft @ 3682.00usft
Project:	LEA COUNTY, NEW MEXICO (NAD 83) (GRID)	MD Reference:	KB EST 24.5ft @ 3682.00usft
Site:	SEC. 33 T20S R33E N.M.P.M. (GRID)	North Reference:	Grid
Well:	GAVILON FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Project	LEA COUNTY, NEW MEXICO (NAD 83) (GRID)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	SEC. 33 T20S R33E N.M.P.M. (GRID)		
Site Position:		Northing:	554,744.90 usft
From:	Map	Easting:	744,451.60 usft
Position Uncertainty:	0.00 usft	Slot Radius:	1.10 ft
		Latitude:	32.523326
		Longitude:	-103.674337
		Grid Convergence:	0.35 °

Well	GAVILON FED COM 602H					
Well Position	+N/-S	-224.81 usft	Northing:	554,520.10 usft	Latitude:	32.522708
	+E/-W	51.40 usft	Easting:	744,503.00 usft	Longitude:	-103.674175
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,657.50 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2020-03-19	6.76	60.20	47,787.78673816

Design	PROPOSAL #3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.62

Plan Sections											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (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	-3,682.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	-1,682.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	8.00	190.00	2,398.70	-1,283.30	-27.46	-4.84	2.00	2.00	0.00	190.00	
2,963.69	12.00	255.33	2,955.29	-726.71	-81.10	-68.55	2.00	0.71	11.59	104.88	
4,213.65	12.00	255.33	4,177.94	495.94	-146.89	-319.96	0.00	0.00	0.00	0.00	
4,813.65	0.00	0.00	4,773.56	1,091.56	-162.74	-380.53	2.00	-2.00	0.00	180.00	
10,779.14	0.00	0.00	10,739.05	7,057.05	-162.74	-380.53	0.00	0.00	0.00	0.00	KOP - GAVILON FE
11,675.94	89.68	352.00	11,312.00	7,630.00	401.47	-459.82	10.00	10.00	0.00	352.00	
11,775.94	89.68	352.00	11,312.56	7,630.56	500.50	-473.74	0.00	0.00	0.00	0.00	
12,029.88	89.68	359.62	11,313.97	7,631.97	753.56	-492.28	3.00	0.00	3.00	89.99	
21,656.58	89.68	359.62	11,367.00	7,685.00	10,379.90	-556.43	0.00	0.00	0.00	0.00	BHL - GAVILON FE

Planning Report



Database:	Database 1	Local Co-ordinate Reference:	Well GAVILON FED COM 602H
Company:	ASCENT ENERGY	TVD Reference:	KB EST 24.5ft @ 3682.00usft
Project:	LEA COUNTY, NEW MEXICO (NAD 83) (GRID)	MD Reference:	KB EST 24.5ft @ 3682.00usft
Site:	SEC. 33 T20S R33E N.M.P.M. (GRID)	North Reference:	Grid
Well:	GAVILON FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
SHL: 130ft FSL & 817ft FWL of Sec 33										
0.00	0.00	0.00	0.00	3,682.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	3,582.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	3,482.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	3,382.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	3,282.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	3,182.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	3,082.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	2,982.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	2,882.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	2,782.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	2,682.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	2,582.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	2,482.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	2,382.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	2,282.00	0.00	0.00	0.00	0.00	0.00	0.00
RSTLR										
1,432.00	0.00	0.00	1,432.00	2,250.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	2,182.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	2,082.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	1,982.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	1,882.00	0.00	0.00	0.00	0.00	0.00	0.00
SALDO										
1,802.00	0.00	0.00	1,802.00	1,880.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	1,782.00	0.00	0.00	0.00	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
2,000.00	0.00	0.00	2,000.00	1,682.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	2.00	190.00	2,099.98	1,582.02	-1.72	-0.30	-1.72	2.00	2.00	0.00
2,200.00	4.00	190.00	2,199.84	1,482.16	-6.87	-1.21	-6.86	2.00	2.00	0.00
2,300.00	6.00	190.00	2,299.45	1,382.55	-15.46	-2.73	-15.44	2.00	2.00	0.00
EOB TO 8° INC										
2,400.00	8.00	190.00	2,398.70	1,283.30	-27.46	-4.84	-27.42	2.00	2.00	0.00
2,500.00	7.73	204.52	2,497.77	1,184.23	-40.43	-8.84	-40.37	2.00	-0.27	14.52
2,600.00	7.97	219.11	2,596.84	1,085.16	-51.93	-16.00	-51.82	2.00	0.24	14.58
2,700.00	8.67	232.09	2,695.80	986.20	-61.93	-26.32	-61.76	2.00	0.70	12.99
2,800.00	9.73	242.71	2,794.52	887.48	-70.44	-39.78	-70.17	2.00	1.07	10.62
2,900.00	11.06	251.03	2,892.88	789.12	-77.43	-56.37	-77.06	2.00	1.33	8.32
EOB & T TO 12° INC & 255.33° AZ										
2,963.69	12.00	255.33	2,955.29	726.71	-81.10	-68.55	-80.64	2.00	1.48	6.75
3,000.00	12.00	255.33	2,990.80	691.20	-83.01	-75.85	-82.50	0.00	0.00	0.00
3,100.00	12.00	255.33	3,088.62	593.38	-88.27	-95.96	-87.63	0.00	0.00	0.00
3,200.00	12.00	255.33	3,186.43	495.57	-93.53	-116.08	-92.76	0.00	0.00	0.00
TANSIL										
3,282.37	12.00	255.33	3,267.00	415.00	-97.87	-132.65	-96.99	0.00	0.00	0.00
3,300.00	12.00	255.33	3,284.25	397.75	-98.80	-136.19	-97.89	0.00	0.00	0.00
3,400.00	12.00	255.33	3,382.06	299.94	-104.06	-156.31	-103.02	0.00	0.00	0.00
YATES										
3,481.72	12.00	255.33	3,462.00	220.00	-108.36	-172.74	-107.22	0.00	0.00	0.00
3,500.00	12.00	255.33	3,479.88	202.12	-109.33	-176.42	-108.15	0.00	0.00	0.00
3,600.00	12.00	255.33	3,577.69	104.31	-114.59	-196.53	-113.28	0.00	0.00	0.00
3,700.00	12.00	255.33	3,675.51	6.49	-119.85	-216.65	-118.41	0.00	0.00	0.00
CAPTAN_REEF_TOP										

Planning Report



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Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,798.65	12.00	255.33	3,772.00	-90.00	-125.05	-236.49	-123.48	0.00	0.00	0.00
3,800.00	12.00	255.33	3,773.32	-91.32	-125.12	-236.76	-123.54	0.00	0.00	0.00
3,900.00	12.00	255.33	3,871.14	-189.14	-130.38	-256.87	-128.68	0.00	0.00	0.00
4,000.00	12.00	255.33	3,968.95	-286.95	-135.65	-276.99	-133.81	0.00	0.00	0.00
4,100.00	12.00	255.33	4,066.77	-384.77	-140.91	-297.10	-138.94	0.00	0.00	0.00
4,200.00	12.00	255.33	4,164.58	-482.58	-146.17	-317.22	-144.07	0.00	0.00	0.00
END OF TANGENT										
4,213.65	12.00	255.33	4,177.93	-495.93	-146.89	-319.96	-144.77	0.00	0.00	0.00
4,300.00	10.27	255.33	4,262.65	-580.65	-151.11	-336.10	-148.88	2.00	-2.00	0.00
4,400.00	8.27	255.33	4,361.34	-679.34	-155.19	-351.68	-152.86	2.00	-2.00	0.00
4,500.00	6.27	255.33	4,460.53	-778.53	-158.40	-363.93	-155.98	2.00	-2.00	0.00
4,600.00	4.27	255.33	4,560.10	-878.10	-160.73	-372.82	-158.25	2.00	-2.00	0.00
4,700.00	2.27	255.33	4,659.93	-977.93	-162.17	-378.34	-159.66	2.00	-2.00	0.00
4,800.00	0.27	255.33	4,759.91	-1,077.91	-162.73	-380.49	-160.21	2.00	-2.00	0.00
EOD TO VERTICAL										
4,813.65	0.00	255.33	4,773.56	-1,091.56	-162.74	-380.53	-160.21	2.00	-2.00	0.00
4,900.00	0.00	0.00	4,859.91	-1,177.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,000.00	0.00	0.00	4,959.91	-1,277.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
TOP DELAWARE SAND										
5,032.09	0.00	0.00	4,992.00	-1,310.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,100.00	0.00	0.00	5,059.91	-1,377.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,200.00	0.00	0.00	5,159.91	-1,477.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,300.00	0.00	0.00	5,259.91	-1,577.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,400.00	0.00	0.00	5,359.91	-1,677.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,500.00	0.00	0.00	5,459.91	-1,777.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,600.00	0.00	0.00	5,559.91	-1,877.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
CHERRY CANYON										
5,602.09	0.00	0.00	5,562.00	-1,880.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,700.00	0.00	0.00	5,659.91	-1,977.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,800.00	0.00	0.00	5,759.91	-2,077.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
5,900.00	0.00	0.00	5,859.91	-2,177.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,000.00	0.00	0.00	5,959.91	-2,277.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,100.00	0.00	0.00	6,059.91	-2,377.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,200.00	0.00	0.00	6,159.91	-2,477.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,300.00	0.00	0.00	6,259.91	-2,577.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,400.00	0.00	0.00	6,359.91	-2,677.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,500.00	0.00	0.00	6,459.91	-2,777.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,600.00	0.00	0.00	6,559.91	-2,877.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,700.00	0.00	0.00	6,659.91	-2,977.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
BRUSHY CANYON										
6,722.09	0.00	0.00	6,682.00	-3,000.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,800.00	0.00	0.00	6,759.91	-3,077.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
6,900.00	0.00	0.00	6,859.91	-3,177.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,000.00	0.00	0.00	6,959.91	-3,277.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,100.00	0.00	0.00	7,059.91	-3,377.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,200.00	0.00	0.00	7,159.91	-3,477.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,300.00	0.00	0.00	7,259.91	-3,577.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,400.00	0.00	0.00	7,359.91	-3,677.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,500.00	0.00	0.00	7,459.91	-3,777.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,600.00	0.00	0.00	7,559.91	-3,877.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,700.00	0.00	0.00	7,659.91	-3,977.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
7,800.00	0.00	0.00	7,759.91	-4,077.91	-162.74	-380.53	-160.21	0.00	0.00	0.00

Planning Report



Database:	Database 1	Local Co-ordinate Reference:	Well GAVILON FED COM 602H
Company:	ASCENT ENERGY	TVD Reference:	KB EST 24.5ft @ 3682.00usft
Project:	LEA COUNTY, NEW MEXICO (NAD 83) (GRID)	MD Reference:	KB EST 24.5ft @ 3682.00usft
Site:	SEC. 33 T20S R33E N.M.P.M. (GRID)	North Reference:	Grid
Well:	GAVILON FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,900.00	0.00	0.00	7,859.91	-4,177.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,000.00	0.00	0.00	7,959.91	-4,277.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,100.00	0.00	0.00	8,059.91	-4,377.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,200.00	0.00	0.00	8,159.91	-4,477.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,300.00	0.00	0.00	8,259.91	-4,577.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,400.00	0.00	0.00	8,359.91	-4,677.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
BSPG_LIME										
8,472.09	0.00	0.00	8,432.00	-4,750.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,500.00	0.00	0.00	8,459.91	-4,777.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
AVLN										
8,522.09	0.00	0.00	8,482.00	-4,800.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,600.00	0.00	0.00	8,559.91	-4,877.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,700.00	0.00	0.00	8,659.91	-4,977.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,800.00	0.00	0.00	8,759.91	-5,077.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
LEONARD_B										
8,882.09	0.00	0.00	8,842.00	-5,160.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
8,900.00	0.00	0.00	8,859.91	-5,177.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,000.00	0.00	0.00	8,959.91	-5,277.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,100.00	0.00	0.00	9,059.91	-5,377.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,200.00	0.00	0.00	9,159.91	-5,477.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,300.00	0.00	0.00	9,259.91	-5,577.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,400.00	0.00	0.00	9,359.91	-5,677.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,500.00	0.00	0.00	9,459.91	-5,777.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
1ST_BSPG_SND										
9,512.09	0.00	0.00	9,472.00	-5,790.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,600.00	0.00	0.00	9,559.91	-5,877.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,700.00	0.00	0.00	9,659.91	-5,977.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,800.00	0.00	0.00	9,759.91	-6,077.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
2ND_BSPG										
9,812.09	0.00	0.00	9,772.00	-6,090.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
9,900.00	0.00	0.00	9,859.91	-6,177.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,000.00	0.00	0.00	9,959.91	-6,277.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
2ND_BSPG_SND										
10,074.09	0.00	0.00	10,034.00	-6,352.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,100.00	0.00	0.00	10,059.91	-6,377.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,200.00	0.00	0.00	10,159.91	-6,477.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,300.00	0.00	0.00	10,259.91	-6,577.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,400.00	0.00	0.00	10,359.91	-6,677.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,500.00	0.00	0.00	10,459.91	-6,777.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,600.00	0.00	0.00	10,559.91	-6,877.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
3RD_BSPG										
10,632.09	0.00	0.00	10,592.00	-6,910.00	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,700.00	0.00	0.00	10,659.91	-6,977.91	-162.74	-380.53	-160.21	0.00	0.00	0.00
KOP (10°/100ft BUR)										
10,779.14	0.00	0.00	10,739.05	-7,057.05	-162.74	-380.53	-160.21	0.00	0.00	0.00
10,800.00	2.09	352.00	10,759.90	-7,077.90	-162.37	-380.58	-159.84	10.00	10.00	0.00
10,900.00	12.09	352.00	10,859.01	-7,177.01	-150.17	-382.29	-147.63	10.00	10.00	0.00
11,000.00	22.09	352.00	10,954.48	-7,272.48	-121.11	-386.38	-118.54	10.00	10.00	0.00
3RD BSPG S										
11,092.48	31.33	352.00	11,037.00	-7,355.00	-79.99	-392.16	-77.39	10.00	10.00	0.00
11,100.00	32.09	352.00	11,043.40	-7,361.40	-76.08	-392.71	-73.47	10.00	10.00	0.00
FTP: 100ft FSL & 418.11ft FWL of Sec 33										

Planning Report



Database:	Database 1	Local Co-ordinate Reference:	Well GAVILON FED COM 602H
Company:	ASCENT ENERGY	TVD Reference:	KB EST 24.5ft @ 3682.00usft
Project:	LEA COUNTY, NEW MEXICO (NAD 83) (GRID)	MD Reference:	KB EST 24.5ft @ 3682.00usft
Site:	SEC. 33 T20S R33E N.M.P.M. (GRID)	North Reference:	Grid
Well:	GAVILON FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,174.82	39.57	352.00	11,104.02	-7,422.02	-32.74	-398.80	-30.09	10.00	10.00	0.00
11,200.00	42.09	352.00	11,123.07	-7,441.07	-16.44	-401.09	-13.78	10.00	10.00	0.00
11,300.00	52.09	352.00	11,191.07	-7,509.07	55.99	-411.27	58.72	10.00	10.00	0.00
11,400.00	62.09	352.00	11,245.34	-7,563.34	139.02	-422.94	141.82	10.00	10.00	0.00
11,500.00	72.09	352.00	11,284.23	-7,602.23	230.11	-435.74	233.00	10.00	10.00	0.00
11,600.00	82.09	352.00	11,306.55	-7,624.55	326.51	-449.29	329.49	10.00	10.00	0.00
HZ LP: 534.21ft FSL & 360ft FWL of Sec 33										
11,675.94	89.68	352.00	11,312.00	-7,630.00	401.47	-459.82	404.51	10.00	10.00	0.00
11,700.00	89.68	352.00	11,312.13	-7,630.13	425.29	-463.17	428.35	0.00	0.00	0.00
END OF TANGENT										
11,775.94	89.68	352.00	11,312.56	-7,630.56	500.49	-473.74	503.62	0.00	0.00	0.00
11,800.00	89.68	352.72	11,312.69	-7,630.69	524.34	-476.94	527.49	3.00	0.00	3.00
11,900.00	89.68	355.72	11,313.25	-7,631.25	623.82	-487.00	627.03	3.00	0.00	3.00
12,000.00	89.68	358.72	11,313.80	-7,631.80	723.69	-491.85	726.93	3.00	0.00	3.00
EOT TO 359.62° AZ										
12,029.88	89.68	359.62	11,313.97	-7,631.97	753.56	-492.28	756.81	3.00	0.00	3.00
12,100.00	89.68	359.62	11,314.35	-7,632.35	823.68	-492.75	826.93	0.00	0.00	0.00
12,200.00	89.68	359.62	11,314.91	-7,632.91	923.68	-493.41	926.93	0.00	0.00	0.00
12,300.00	89.68	359.62	11,315.46	-7,633.46	1,023.67	-494.08	1,026.93	0.00	0.00	0.00
12,400.00	89.68	359.62	11,316.01	-7,634.01	1,123.67	-494.75	1,126.92	0.00	0.00	0.00
12,500.00	89.68	359.62	11,316.56	-7,634.56	1,223.66	-495.41	1,226.92	0.00	0.00	0.00
12,600.00	89.68	359.62	11,317.11	-7,635.11	1,323.66	-496.08	1,326.92	0.00	0.00	0.00
12,700.00	89.68	359.62	11,317.66	-7,635.66	1,423.66	-496.75	1,426.92	0.00	0.00	0.00
12,800.00	89.68	359.62	11,318.21	-7,636.21	1,523.65	-497.41	1,526.92	0.00	0.00	0.00
12,900.00	89.68	359.62	11,318.76	-7,636.76	1,623.65	-498.08	1,626.92	0.00	0.00	0.00
13,000.00	89.68	359.62	11,319.31	-7,637.31	1,723.65	-498.75	1,726.92	0.00	0.00	0.00
13,100.00	89.68	359.62	11,319.86	-7,637.86	1,823.64	-499.41	1,826.91	0.00	0.00	0.00
13,200.00	89.68	359.62	11,320.41	-7,638.41	1,923.64	-500.08	1,926.91	0.00	0.00	0.00
13,300.00	89.68	359.62	11,320.96	-7,638.96	2,023.63	-500.74	2,026.91	0.00	0.00	0.00
13,400.00	89.68	359.62	11,321.52	-7,639.52	2,123.63	-501.41	2,126.91	0.00	0.00	0.00
13,500.00	89.68	359.62	11,322.07	-7,640.07	2,223.63	-502.08	2,226.91	0.00	0.00	0.00
13,600.00	89.68	359.62	11,322.62	-7,640.62	2,323.62	-502.74	2,326.91	0.00	0.00	0.00
13,700.00	89.68	359.62	11,323.17	-7,641.17	2,423.62	-503.41	2,426.90	0.00	0.00	0.00
13,800.00	89.68	359.62	11,323.72	-7,641.72	2,523.62	-504.08	2,526.90	0.00	0.00	0.00
13,900.00	89.68	359.62	11,324.27	-7,642.27	2,623.61	-504.74	2,626.90	0.00	0.00	0.00
14,000.00	89.68	359.62	11,324.82	-7,642.82	2,723.61	-505.41	2,726.90	0.00	0.00	0.00
14,100.00	89.68	359.62	11,325.37	-7,643.37	2,823.60	-506.07	2,826.90	0.00	0.00	0.00
14,200.00	89.68	359.62	11,325.92	-7,643.92	2,923.60	-506.74	2,926.90	0.00	0.00	0.00
14,300.00	89.68	359.62	11,326.47	-7,644.47	3,023.60	-507.41	3,026.90	0.00	0.00	0.00
14,400.00	89.68	359.62	11,327.02	-7,645.02	3,123.59	-508.07	3,126.89	0.00	0.00	0.00
14,500.00	89.68	359.62	11,327.58	-7,645.58	3,223.59	-508.74	3,226.89	0.00	0.00	0.00
14,600.00	89.68	359.62	11,328.13	-7,646.13	3,323.59	-509.41	3,326.89	0.00	0.00	0.00
14,700.00	89.68	359.62	11,328.68	-7,646.68	3,423.58	-510.07	3,426.89	0.00	0.00	0.00
14,800.00	89.68	359.62	11,329.23	-7,647.23	3,523.58	-510.74	3,526.89	0.00	0.00	0.00
14,900.00	89.68	359.62	11,329.78	-7,647.78	3,623.57	-511.41	3,626.89	0.00	0.00	0.00
15,000.00	89.68	359.62	11,330.33	-7,648.33	3,723.57	-512.07	3,726.89	0.00	0.00	0.00
15,100.00	89.68	359.62	11,330.88	-7,648.88	3,823.57	-512.74	3,826.88	0.00	0.00	0.00
15,200.00	89.68	359.62	11,331.43	-7,649.43	3,923.56	-513.40	3,926.88	0.00	0.00	0.00
15,300.00	89.68	359.62	11,331.98	-7,649.98	4,023.56	-514.07	4,026.88	0.00	0.00	0.00
15,400.00	89.68	359.62	11,332.53	-7,650.53	4,123.56	-514.74	4,126.88	0.00	0.00	0.00
15,500.00	89.68	359.62	11,333.08	-7,651.08	4,223.55	-515.40	4,226.88	0.00	0.00	0.00
15,600.00	89.68	359.62	11,333.64	-7,651.64	4,323.55	-516.07	4,326.88	0.00	0.00	0.00
15,700.00	89.68	359.62	11,334.19	-7,652.19	4,423.54	-516.74	4,426.87	0.00	0.00	0.00

Planning Report



Database:	Database 1	Local Co-ordinate Reference:	Well GAVILON FED COM 602H
Company:	ASCENT ENERGY	TVD Reference:	KB EST 24.5ft @ 3682.00usft
Project:	LEA COUNTY, NEW MEXICO (NAD 83) (GRID)	MD Reference:	KB EST 24.5ft @ 3682.00usft
Site:	SEC. 33 T20S R33E N.M.P.M. (GRID)	North Reference:	Grid
Well:	GAVILON FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Planned Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,800.00	89.68	359.62	11,334.74	-7,652.74	4,523.54	-517.40	4,526.87	0.00	0.00	0.00
15,900.00	89.68	359.62	11,335.29	-7,653.29	4,623.54	-518.07	4,626.87	0.00	0.00	0.00
16,000.00	89.68	359.62	11,335.84	-7,653.84	4,723.53	-518.74	4,726.87	0.00	0.00	0.00
16,100.00	89.68	359.62	11,336.39	-7,654.39	4,823.53	-519.40	4,826.87	0.00	0.00	0.00
16,200.00	89.68	359.62	11,336.94	-7,654.94	4,923.53	-520.07	4,926.87	0.00	0.00	0.00
16,300.00	89.68	359.62	11,337.49	-7,655.49	5,023.52	-520.73	5,026.87	0.00	0.00	0.00
16,400.00	89.68	359.62	11,338.04	-7,656.04	5,123.52	-521.40	5,126.86	0.00	0.00	0.00
16,500.00	89.68	359.62	11,338.59	-7,656.59	5,223.51	-522.07	5,226.86	0.00	0.00	0.00
16,600.00	89.68	359.62	11,339.14	-7,657.14	5,323.51	-522.73	5,326.86	0.00	0.00	0.00
16,700.00	89.68	359.62	11,339.69	-7,657.69	5,423.51	-523.40	5,426.86	0.00	0.00	0.00
16,800.00	89.68	359.62	11,340.25	-7,658.25	5,523.50	-524.07	5,526.86	0.00	0.00	0.00
16,900.00	89.68	359.62	11,340.80	-7,658.80	5,623.50	-524.73	5,626.86	0.00	0.00	0.00
17,000.00	89.68	359.62	11,341.35	-7,659.35	5,723.50	-525.40	5,726.85	0.00	0.00	0.00
17,100.00	89.68	359.62	11,341.90	-7,659.90	5,823.49	-526.06	5,826.85	0.00	0.00	0.00
17,200.00	89.68	359.62	11,342.45	-7,660.45	5,923.49	-526.73	5,926.85	0.00	0.00	0.00
17,300.00	89.68	359.62	11,343.00	-7,661.00	6,023.48	-527.40	6,026.85	0.00	0.00	0.00
17,400.00	89.68	359.62	11,343.55	-7,661.55	6,123.48	-528.06	6,126.85	0.00	0.00	0.00
17,500.00	89.68	359.62	11,344.10	-7,662.10	6,223.48	-528.73	6,226.85	0.00	0.00	0.00
17,600.00	89.68	359.62	11,344.65	-7,662.65	6,323.47	-529.40	6,326.85	0.00	0.00	0.00
17,700.00	89.68	359.62	11,345.20	-7,663.20	6,423.47	-530.06	6,426.84	0.00	0.00	0.00
17,800.00	89.68	359.62	11,345.75	-7,663.75	6,523.47	-530.73	6,526.84	0.00	0.00	0.00
17,900.00	89.68	359.62	11,346.31	-7,664.31	6,623.46	-531.40	6,626.84	0.00	0.00	0.00
18,000.00	89.68	359.62	11,346.86	-7,664.86	6,723.46	-532.06	6,726.84	0.00	0.00	0.00
18,100.00	89.68	359.62	11,347.41	-7,665.41	6,823.46	-532.73	6,826.84	0.00	0.00	0.00
18,200.00	89.68	359.62	11,347.96	-7,665.96	6,923.45	-533.39	6,926.84	0.00	0.00	0.00
18,300.00	89.68	359.62	11,348.51	-7,666.51	7,023.45	-534.06	7,026.84	0.00	0.00	0.00
18,400.00	89.68	359.62	11,349.06	-7,667.06	7,123.44	-534.73	7,126.83	0.00	0.00	0.00
18,500.00	89.68	359.62	11,349.61	-7,667.61	7,223.44	-535.39	7,226.83	0.00	0.00	0.00
18,600.00	89.68	359.62	11,350.16	-7,668.16	7,323.44	-536.06	7,326.83	0.00	0.00	0.00
18,700.00	89.68	359.62	11,350.71	-7,668.71	7,423.43	-536.73	7,426.83	0.00	0.00	0.00
18,800.00	89.68	359.62	11,351.26	-7,669.26	7,523.43	-537.39	7,526.83	0.00	0.00	0.00
18,900.00	89.68	359.62	11,351.81	-7,669.81	7,623.43	-538.06	7,626.83	0.00	0.00	0.00
19,000.00	89.68	359.62	11,352.37	-7,670.37	7,723.42	-538.72	7,726.82	0.00	0.00	0.00
19,100.00	89.68	359.62	11,352.92	-7,670.92	7,823.42	-539.39	7,826.82	0.00	0.00	0.00
19,200.00	89.68	359.62	11,353.47	-7,671.47	7,923.41	-540.06	7,926.82	0.00	0.00	0.00
19,300.00	89.68	359.62	11,354.02	-7,672.02	8,023.41	-540.72	8,026.82	0.00	0.00	0.00
19,400.00	89.68	359.62	11,354.57	-7,672.57	8,123.41	-541.39	8,126.82	0.00	0.00	0.00
19,500.00	89.68	359.62	11,355.12	-7,673.12	8,223.40	-542.06	8,226.82	0.00	0.00	0.00
19,600.00	89.68	359.62	11,355.67	-7,673.67	8,323.40	-542.72	8,326.82	0.00	0.00	0.00
19,700.00	89.68	359.62	11,356.22	-7,674.22	8,423.40	-543.39	8,426.81	0.00	0.00	0.00
19,800.00	89.68	359.62	11,356.77	-7,674.77	8,523.39	-544.06	8,526.81	0.00	0.00	0.00
19,900.00	89.68	359.62	11,357.32	-7,675.32	8,623.39	-544.72	8,626.81	0.00	0.00	0.00
20,000.00	89.68	359.62	11,357.87	-7,675.87	8,723.38	-545.39	8,726.81	0.00	0.00	0.00
20,100.00	89.68	359.62	11,358.43	-7,676.43	8,823.38	-546.05	8,826.81	0.00	0.00	0.00
20,200.00	89.68	359.62	11,358.98	-7,676.98	8,923.38	-546.72	8,926.81	0.00	0.00	0.00
20,300.00	89.68	359.62	11,359.53	-7,677.53	9,023.37	-547.39	9,026.80	0.00	0.00	0.00
20,400.00	89.68	359.62	11,360.08	-7,678.08	9,123.37	-548.05	9,126.80	0.00	0.00	0.00
20,500.00	89.68	359.62	11,360.63	-7,678.63	9,223.37	-548.72	9,226.80	0.00	0.00	0.00
20,600.00	89.68	359.62	11,361.18	-7,679.18	9,323.36	-549.39	9,326.80	0.00	0.00	0.00
20,700.00	89.68	359.62	11,361.73	-7,679.73	9,423.36	-550.05	9,426.80	0.00	0.00	0.00
20,800.00	89.68	359.62	11,362.28	-7,680.28	9,523.35	-550.72	9,526.80	0.00	0.00	0.00
20,900.00	89.68	359.62	11,362.83	-7,680.83	9,623.35	-551.39	9,626.80	0.00	0.00	0.00
21,000.00	89.68	359.62	11,363.38	-7,681.38	9,723.35	-552.05	9,726.79	0.00	0.00	0.00

Planning Report



Database:	Database 1	Local Co-ordinate Reference:	Well GAVILON FED COM 602H
Company:	ASCENT ENERGY	TVD Reference:	KB EST 24.5ft @ 3682.00usft
Project:	LEA COUNTY, NEW MEXICO (NAD 83) (GRID)	MD Reference:	KB EST 24.5ft @ 3682.00usft
Site:	SEC. 33 T20S R33E N.M.P.M. (GRID)	North Reference:	Grid
Well:	GAVILON FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,100.00	89.68	359.62	11,363.93	-7,681.93	9,823.34	-552.72	9,826.79	0.00	0.00	0.00
21,200.00	89.68	359.62	11,364.48	-7,682.48	9,923.34	-553.38	9,926.79	0.00	0.00	0.00
21,300.00	89.68	359.62	11,365.04	-7,683.04	10,023.34	-554.05	10,026.79	0.00	0.00	0.00
21,400.00	89.68	359.62	11,365.59	-7,683.59	10,123.33	-554.72	10,126.79	0.00	0.00	0.00
21,500.00	89.68	359.62	11,366.14	-7,684.14	10,223.33	-555.38	10,226.79	0.00	0.00	0.00
21,600.00	89.68	359.62	11,366.69	-7,684.69	10,323.32	-556.05	10,326.79	0.00	0.00	0.00
LTP: 100ft FNL & 330ft FWL of Sec 33										
21,606.58	89.68	359.62	11,366.72	-7,684.72	10,329.90	-556.09	10,333.36	0.00	0.00	0.00
BHL: 50ft FNL & 330ft FWL of Sec 28										
21,656.58	89.68	359.62	11,367.00	-7,685.00	10,379.90	-556.43	10,383.36	0.00	0.00	0.00

Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,432.00	1,432.00	RSTLR		0.00	
1,802.00	1,802.00	SALDO		0.00	
3,282.37	3,267.00	TANSIL		0.00	
3,481.72	3,462.00	YATES		0.00	
3,798.65	3,772.00	CAPITAN_REEF_TOP		0.00	
5,032.09	4,992.00	TOP_DELAWARE_SAND		0.00	
5,602.09	5,562.00	CHERRY_CANYON		0.00	
6,722.09	6,682.00	BRUSHY_CANYON		0.00	
8,472.09	8,432.00	BSPG_LIME		0.00	
8,522.09	8,482.00	AVLN		0.00	
8,882.09	8,842.00	LEONARD_B		0.00	
9,512.09	9,472.00	1ST_BSPG_SND		0.00	
9,812.09	9,772.00	2ND_BSPG		0.00	
10,074.09	10,034.00	2ND_BSPG_SND		0.00	
10,632.09	10,592.00	3RD_BSPG		0.00	
11,092.48	11,037.00	3RD BSPG S		0.00	

Planning Report



Database:	Database 1	Local Co-ordinate Reference:	Well GAVILON FED COM 602H
Company:	ASCENT ENERGY	TVD Reference:	KB EST 24.5ft @ 3682.00usft
Project:	LEA COUNTY, NEW MEXICO (NAD 83) (GRID)	MD Reference:	KB EST 24.5ft @ 3682.00usft
Site:	SEC. 33 T20S R33E N.M.P.M. (GRID)	North Reference:	Grid
Well:	GAVILON FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.00	0.00	0.00	0.00	SHL: 130ft FSL & 817ft FWL of Sec 33
2,000.00	2,000.00	0.00	0.00	START NUDGE (2°/100ft BUR)
2,400.00	2,398.70	-27.46	-4.84	EOB TO 8° INC
2,963.69	2,955.29	-81.10	-68.55	EOB & T TO 12° INC & 255.33° AZ
4,213.65	4,177.93	-146.89	-319.96	END OF TANGENT
4,813.65	4,773.56	-162.74	-380.53	EOD TO VERTICAL
10,779.14	10,739.05	-162.74	-380.53	KOP (10°/100ft BUR)
11,174.82	11,104.02	-32.74	-398.80	FTP: 100ft FSL & 418.11ft FWL of Sec 33
11,675.94	11,312.00	401.47	-459.82	HZ LP: 534.21ft FSL & 360ft FWL of Sec 33
11,775.94	11,312.56	500.49	-473.74	END OF TANGENT
12,029.88	11,313.97	753.56	-492.28	EOT TO 359.62° AZ
21,606.58	11,366.72	10,329.90	-556.09	LTP: 100ft FNL & 330ft FWL of Sec 33
21,656.58	11,367.00	10,379.90	-556.43	BHL: 50ft FNL & 330ft FWL of Sec 28

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 60515

CONDITIONS

Operator: ASCENT ENERGY, LLC. 1125 17th St Denver, CO 80202	OGRID: 325830
	Action Number: 60515
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	11/8/2021