

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: Drilling Well	Operator: ASCENT ENERGY LLC

Notice of Intent

Sundry ID: 2646359

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 11/30/2021

Time Sundry Submitted: 07:34

Date proposed operation will begin: 12/15/2021

Procedure Description: Ascent Energy respectfully requests approval on the Gavilon Fed Com 602H for an option to:
 • Addition of an External Casing Packer on the 13-3/8" • Circulating Medium change to a combination of Cut Brine and/or Oil-Based Mud in the Production Hole Section. Please see attached detailed request of our request for the option to add an additional DV tool and the option to adjust our proposed mud system in the production section of our well bore. The new proposed options are highlighted in the attachment.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Gavilon_602H_Sundry_30NOV_2021__20211130193427.pdf

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Operator: ASCENT ENERGY LLC

Conditions of Approval

Additional Reviews

Gavilon_Fed_Com_602H_Sundry_ID_2646359_20211202090201.pdf

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: NOV 30, 2021 07:34 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: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 12/02/2021

Signature: Chris Walls

Ascent Energy respectfully requests approval on the Gavilon Fed Com 602H for an option to:

- Addition of an External Casing Packer on the 13-3/8"
- Circulating Medium change to a combination of Cut Brine and/or Oil-Based Mud in the Production Hole Section.

The reason for the request is based on improved cementing in-place for each casing string. We believe the larger casing diameters in the vertical section will increase the likelihood of getting cement to surface for each string.

There will be no change in Geology formations, and casing depths as noted in the COA of the approved APD.

External Casing Packer:

Pending hole conditions, the addition of an External Casing Packer to the Intermediate #1 13-3/8" casing string is requested. A DV Tool is already approved, and the cement volumes will not change with the addition of an External Casing Packer.

New/Optional proposed design:

Casing:

DESCRIPTION	Hole Size (in)	CSG Size (in)	INTERVAL (ft)			WEIGHT (ppf)	GRADE	COUPLING	FORMATION PRESS @ CSG DEPTH (PPG)	MW @ CSG DEPTH (PPG)	SAFETY FACTORS		
			TOP MD	BTM TVD	BTM MD						BURST (psi)	COLLAPSE (psi)	TENSION (1000 lbs)
CONDUCTOR	36	30	0	120	120	---	---	WELD	---	---	---	---	---
SURFACE	26	20	0	1,520	1,520	94	J-55	BTC	8.3	9.0	2,110	520	1480
											3.0	2.8	10.4
INT. #1	17.5	13.375	0	3,283	3,300	54.5	J-55	BTC	8.3	10.0	2,730	1,130	853
											1.8	1.7	4.7
INT. #2	12.25	9.625	0	4,792	4,850	40	L-80	BTC	8.3	9.2	5,750	3,090	630
											1.5	4.4	3.2
PRODUCTION	8.75	5.5	0	11,311	21,666	20	P-110	BTC	8.7	9.6	12,630	11,100	641
											3.3	2.6	1.5

Cement:

DESCRIPTION	HOLE (IN)	CSG (IN)	TOP	BTM	LENGTH (FT)	SLURRY DESCRIPTION	FT ³	EXCESS	WEIGHT (PPG)	YIELD (FT ³ /SK)
							SACKS			
CONDUCTOR	36	30	0	120	120	Class G	518	100%	15.8	1.17
							443			
SURFACE - LEAD	26	20	0	1,020	1,020	Class C	2962	100%	13.5	1.72
							1722			
SURFACE - TAIL	26	20	1,020	1,520	500	Class C	1506	100%	14.8	1.33
							1132			
INT #1 - LEAD	17.5	13.375	0	2,800	2,800	Class C	3106	75%	12.7	2.32
							1339			
INT #1 - TAIL	17.5	13.375	2,800	3,300	500	Class C	608	75%	14.8	1.33
							457			
INT #1 - DV TAIL	17.5	13.375	0	1,570	1,570	Class C	1610	75%	14.8	1.33
							1211			
INT #2 - LEAD	12.25	9.625	0	4,350	4,350	50/50Poz Class C	1855	100%	11.5	2.2
							843			
INT #2 - TAIL	12.25	9.625	4,350	4,850	500	Class C	313	100%	14.8	1.33
							236			
INT #2 - DV LEAD	12.25	9.625	0	2,850	2,850	50/50Poz Class C	986	50%	11.5	2.2
							448			
INT #2 - DV TAIL	12.25	9.625	2,850	3,350	500	Class C	235	50%	14.8	1.33
							177			
PRODUCTION - LEAD	8.75	5.5	0	9,000	9,000	Nine Lite	2523	20%	11.0	2.48
							1017			
PRODUCTION - TAIL	8.75	5.5	9,000	21,666	12,666	35/65 Poz Class H	3840	20%	13.2	1.47
							2612			

Note 1: Int 1 is two stage cement job. DVT and External Casing packer to be placed @ approximately 1570' MD, 50ft from previous casing shoe and will be adjusted real time

Note 2: Int 2 is two stage cement job. DVT and External Casing packer to be placed @ approximately 3350' MD, 50ft from previous casing shoe and will be adjusted real time

Circulating Medium / Mud Program:

Top Depth	Bottom Depth	Mud Type	Min Weight (PPG)	Max Weight (PPG)
0	1520	Fresh Water	8.4	9.6
1520	3300	Brine Water	10	10
3300	4850	Fresh Water	8.4	9.6
4850	21666	Cut Brine/ OBM	8.5	9.5

Note: Operator requests optionality to use a Cut Brine Mud in the Production section for the vertical, curve and partial lateral of the well prior to swapping mud fluid systems to an Oil-Based Mud to complete the Production section.

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 67067

CONDITIONS

Operator: ASCENT ENERGY, LLC. 1125 17th St Denver, CO 80202	OGRID: 325830
	Action Number: 67067
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	12/16/2021