

Well Name: GAVILON FED COM	Well Location: T20S / R33E / SEC 33 / SWSW / 32.522694 / -103.674418	County or Parish/State: LEA / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM057683, NMNM57683	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546584	Well Status: Approved Application for Permit to Drill	Operator: ASCENT ENERGY LLC

Notice of Intent

Sundry ID: 2634061

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 09/14/2021	Time Sundry Submitted: 09:55
Date proposed operation will begin: 09/25/2021	

Procedure Description: Ascent Energy respectfully requests approval on the Gavilon Fed Com 503H for an option to:

- Addition of an External Casing Packer on the 9-5/8" Casing
- Increase the casing size of our vertical casing strings
- Circulating Medium change to Oil-Based Mud in the Production Hole Section.
- Revise proposed BOP beneath the base of the 20" surface shoe to setting the 1st Intermediate casing string only (13 3/8").

The reason for the request is based on improved drilling efficiencies and 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. Please see the attached document for further details.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Gavilon_503H_Sundry_27SEPT_2021_COA_Surface_20210927085950.pdf

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Conditions of Approval

Additional Reviews

Gavilon_Fed_Com_503H_SUNDRY_COA_20210929115537.pdf

33_20S_33E_M_ATS_18_1804_Gavilon_Fed_Com_503_Lea_NMNM057683_Ascent_Energy_LLC_13_22b_09_29_2021_Yolanda_Jimenez_20210929115531.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: SEP 27, 2021 08:59 AM
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: 09/29/2021
Signature: Chris Walls	

Ascent Energy respectfully requests approval on the Gavilon Fed Com 503H for an option to:

- Addition of an External Casing Packer on the 9-5/8" Casing
- Increase the casing size of our vertical casing strings
- Circulating Medium change to Oil-Based Mud in the Production Hole Section.
- Revise proposed BOP beneath the base of the 20" surface shoe to setting the 1st Intermediate casing string only (13 3/8").

The reason for the request is based on improved drilling efficiencies and 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:

The pending hole conditions the addition of an External Casing Packer to the Intermediate #2 9-5/8" 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	3,293	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	4,815	4,850	40	J-55	BTC	8.3	9.2	3,950	2,570	630
											1.1	3.7	3.2
PRODUCTION	8.75	5.5	0	10,448	20,702	20	P-110	BTC	8.7	9.6	12,630	11,100	641
											3.6	2.8	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 #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	20,702	11,702	35/65 Poz Class H	3548	20%	13.2	1.47
							2414			

Note: 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

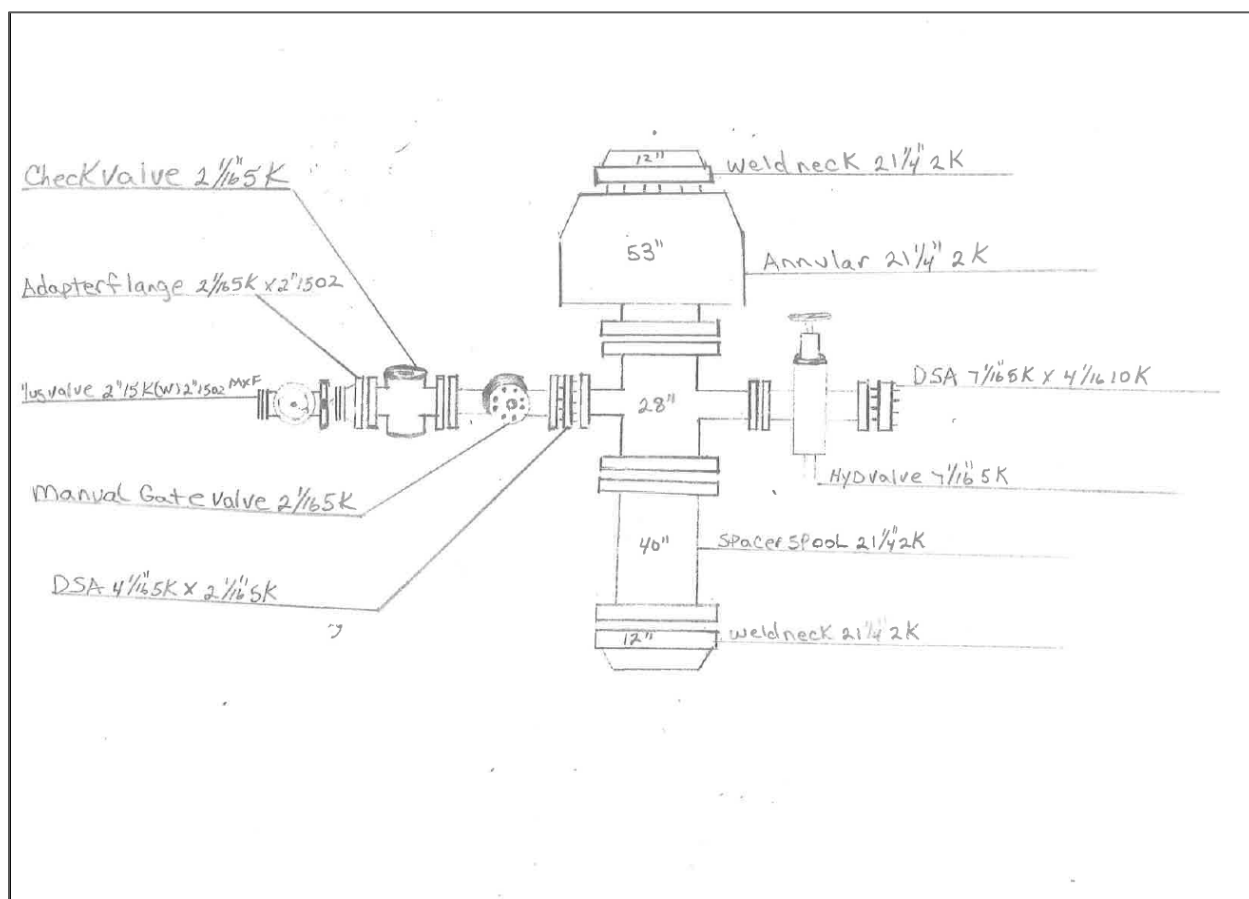
Circulating Medium / Mud Program:

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)
0	1520	OTHER: Fresh	8.6	9
1520	3300	OTHER: Brine Water	9	9.6
3300	4850	Fresh Water	8.6	9.2
4850	20702	Oil-Based Mud	8.8	9.5

New Proposed BOP:

From the Base of the 20" Surface pipe, the well will be equipped with a 2M Annular system. Before drilling out the 20" surface pipe, the 2M system will be tested to 250psi low and 1000psi high by an 3rd party service company. The 2M BOPE and related equipment will meet or exceed the requirements of a 2M psi system as set forth in On Shore Order No. 2 while drilling below the 20" surface shoe and to TD of Intermediate #1 (13-3/8" Casing). Once the Intermediate #1 13-3/8" Casing is cemented the 20" 2M BOPE and 21-1/4" wellhead will be removed and a 13-5/8" Multi-bowl wellhead and previously permitted 13-5/8" 5M BOPE will be installed. From the base of the Intermediate #1 13-3/8" casing string through running of the 5-1/2" production string the 5M BOPE will be equipped.

The previously permitted 5M choke will be utilized in conjunction with the 2M Annular System.

ASCENT ENERGY**2M ANNULAR BOPE & DIAGRAM**

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 55405

CONDITIONS

Operator: ASCENT ENERGY, LLC. 1125 17th St Denver, CO 80202	OGRID: 325830
	Action Number: 55405
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	10/12/2021