U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

10/12/2021

Well Name: GAVILON FED COM	**Well Location:** T20S / R33E / SEC 33 / SWSW / 32.522694 / -103.674256	**County or Parish/State:** LEA / NM
Well Number: 704H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM057683, NMNM57683	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002546588	**Well Status:** Approved Application for Permit to Drill	**Operator:** ASCENT ENERGY LLC

Notice of Intent

Sundry ID: 2634081

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 09/14/2021

Time Sundry Submitted: 11:06

Date proposed operation will begin: 09/25/2021

Procedure Description: Ascent Energy respectfully requests approval on the Gavilon Fed Com 704H 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_704H_Sundry_27SEPT2021_COA_Surface_Casing_20210927085552.pdf

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Operator: ASCENT ENERGY LLC

Conditions of Approval

Additional Reviews

Gavilon_Fed_Com_704H_SUNDRY_COA_20210929190641.pdf

33_20S_33E_M_ATS_18_2005_Gavilon_Fed_Com_704H_SUNDRY_Lea_NMNM057683_Ascent_Energy_LLC_13_22b_09_29_2021_Yolanda_Jimenez_20210929190631.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 08:55 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: 09/30/2021

Signature: Chris Walls

Ascent Energy respectfully requests approval on the Gavilon Fed Com 704H 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
											2.9	2.8	10.4
INT. #1	17.5	13.375	0	3,487	3,500	54.5	J-55	BTC	8.3	10.0	2,730	1,130	853
											1.8	1.6	4.5
INT. #2	12.25	9.625	0	4,807	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	11,408	21,695	20	P-110	BTC	8.7	9.6	12,630	11,100	641
											3.3	2.5	1.5

Cement:

DESCRIPTION	HOLE (IN)	CSG (IN)	TOP	BTM	LENGTH (FT)	SLURRY DESCRIPTION	FT^3 / SACKS	EXCESS	WEIGHT (ppg)	YIELD (FT^3/SK)
CONDUCTOR	36	30	0	120	120	Class G	518 443	100%	15.8	1.17
SURFACE - LEAD	26	20	0	1,020	1,020	Class C	2962 1722	100%	13.5	1.72
SURFACE - TAIL	26	20	1,020	1,520	500	Class C	1506 1132	100%	14.8	1.33
INT #1 - LEAD	17.5	13.375	0	3,000	3,000	Class C	3349 1443	75%	12.7	2.32
INT #1 - TAIL	17.5	13.375	3,000	3,500	500	Class C	608 457	75%	14.8	1.33
INT #2 - LEAD	12.25	9.625	0	4,350	4,350	50/50Poz Class C	1802 819	100%	11.5	2.2
INT # 2 - TAIL	12.25	9.625	4,350	4,850	500	Class C	313 236	100%	14.8	1.33
INT #2 - DV LEAD	12.25	9.625	0	3,050	3,050	50/50Poz Class C	1058 481	50%	11.5	2.2
INT # 2 - DV TAIL	12.25	9.625	3,050	3,550	500	Class C	235 177	50%	14.8	1.33
PRODUCTION - LEAD	8.75	5.5	0	9,000	9,000	Nine Lite	2523 1017	20%	11.0	2.48
PRODUCTION - TAIL	8.75	5.5	9,000	21,695	12,695	35/65 Poz Class H	3849 2618	20%	13.2	1.47

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	8.4	9.6
1520	3500	OTHER: Brine Water	10	10
3500	4850	Fresh Water	8.4	9.6
4850	21695	Oil-Based Mud	8.5	9.5

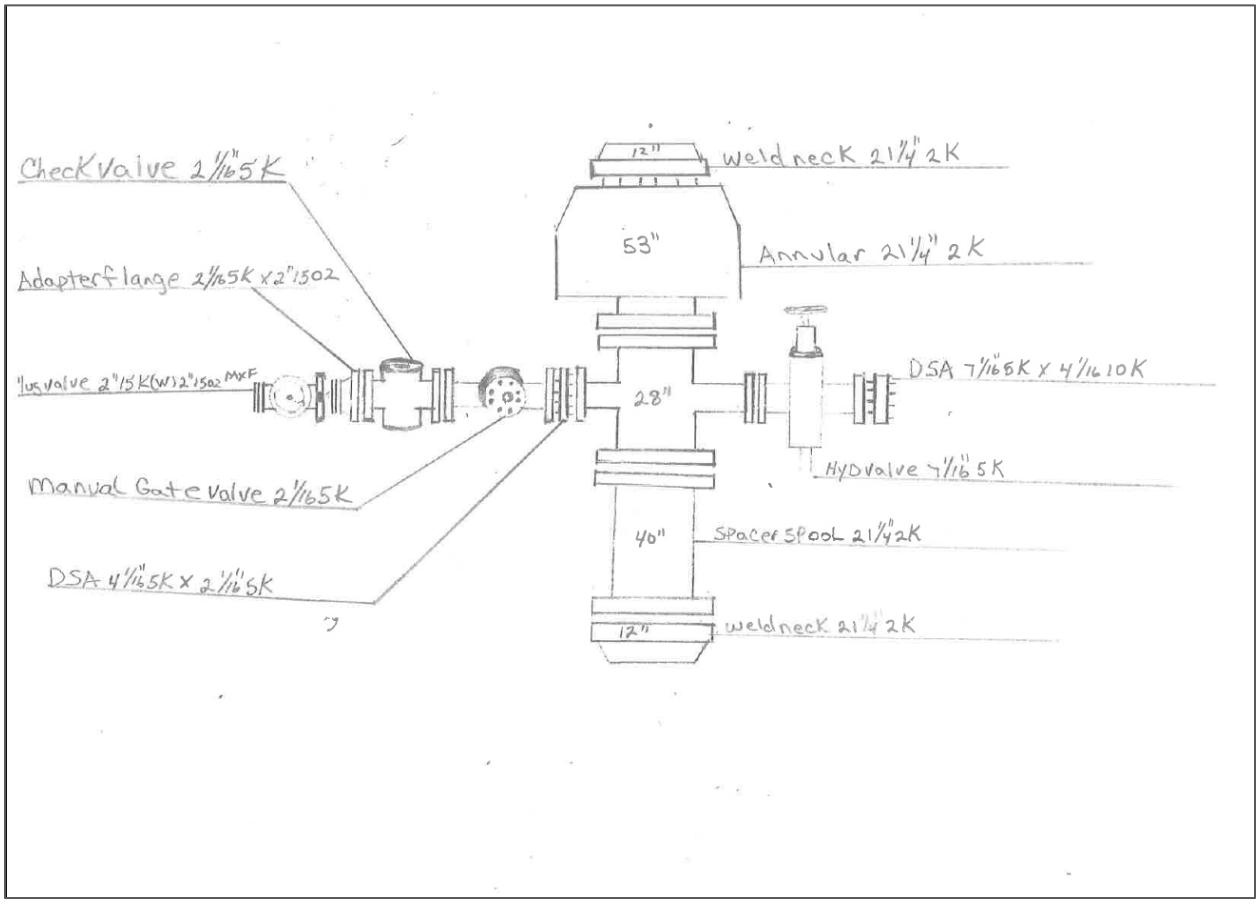
New Proposed BOP:

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



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

CONDITIONS

Action 55412

CONDITIONS

Operator: ASCENT ENERGY, LLC. 1125 17th St Denver, CO 80202	OGRID: 325830
	Action Number: 55412
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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