



APD ID: 10400031732

Submission Date: 07/24/2018

Highlighted data
reflects the most
recent changes

Operator Name: AMEREDEV OPERATING LLC

Well Name: PIMENTO FED COM 26 36 03

Well Number: 111H

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Well Type: OIL WELL

Well Work Type: Drill

Section 1 - General

APD ID: 10400031732

Tie to previous NOS? 10400024490 Submission Date: 07/24/2018

BLM Office: CARLSBAD

User: Julia Steger

Title: Engineer

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM137804

Lease Acres: 160

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? NO

Permitting Agent? NO

APD Operator: AMEREDEV OPERATING LLC

Operator letter of designation:

Operator Info

Operator Organization Name: AMEREDEV OPERATING LLC

Operator Address: 5707 Southwest Parkway, Building 1, Suite 275

Zip: 78735

Operator PO Box:

Operator City: Austin

State: TX

Operator Phone: (737)300-4700

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: PIMENTO FED COM 26 36 03

Well Number: 111H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: JAL

Pool Name: WOLFCAMP
WEST

Is the proposed well in an area containing other mineral resources? USEABLE WATER

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Describe other minerals:

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** NO **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name:

Number: 111H

Well Class: HORIZONTAL

PIMENTO

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 5 Miles

Distance to nearest well: 8515 FT

Distance to lease line: 230 FT

Reservoir well spacing assigned acres Measurement: 640 Acres

Well plat: Pimento_Fed_Com_26_36_03_111H___BLM_LEASE_MAP_REV_20190118121042.pdf

Pimento_Fed_Com_26_36_03_111H___C_102_REV_SIG_20190118121044.pdf

Pimento_Fed_Com_26_36_03_111H___VICINITY_MAP_REV_20190118121044.pdf

PIMENTO_FED_COM_26_36_03_111H___EXH_2AB_20190118121045.pdf

Pimento_Fed_Com_26_36_03_111H___Gas_Capture_Plan_20190118121055.pdf

Well work start Date: 02/15/2019

Duration: 90 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: 18329

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	230	FNL	250	FWL	26S	36E	3	Lot D	32.07894 86	- 103.2607 521	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 137804	299 1	0	0

Operator Name: AMEREDEV OPERATING LLC

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	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
KOP Leg #1	367	FSL	123	FEL	25S	36E	33	Aliquot SESE	32.08059 97	- 103.2616 667	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 136233	- 823 4	112 61	112 25
PPP Leg #1	1	FNL	106	FWL	25S	36E	34	Aliquot SWS W	32.07958 83	- 103.2611 111	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 136233	- 175 4	475 9	474 5
EXIT Leg #1	50	FSL	200	FWL	26S	36E	10	Lot M	32.05068 61	- 103.2609 062	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	- 872 9	224 96	117 20
BHL Leg #1	200	FSL	380	FWL	26S	36E	10	Lot M	32.05109 81	- 103.2603 254	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	- 872 9	217 72	117 20



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Well Work Type: Drill

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	RUSTLER	1254	1763	1763	ANHYDRITE	NONE	No
2	SALADO	-731	1985	1985	SALT	NONE	No
3	TANSILL	-2008	3262	3262	LIMESTONE	NONE	No
4	CAPITAN REEF	-2551	3805	3805	LIMESTONE	USEABLE WATER	No
5	LAMAR	-3709	4963	4963	LIMESTONE	NONE	No
6	BELL CANYON	-3905	5159	5159	SANDSTONE	NATURAL GAS,OIL	No
7	BRUSHY CANYON	-5450	6704	6704	SANDSTONE	NATURAL GAS,OIL	No
8	BONE SPRING LIME	-6434	7688	7688	LIMESTONE	NONE	No
9	BONE SPRING 1ST	-8046	9300	9300	SANDSTONE	NATURAL GAS,OIL	No
10	BONE SPRING 2ND	-8631	9885	9885	SANDSTONE	NATURAL GAS,OIL	No
11	BONE SPRING 3RD	-9291	10545	10545	LIMESTONE	NATURAL GAS,OIL	No
12	BONE SPRING 3RD	-9886	11140	11140	SANDSTONE	NATURAL GAS,OIL	No
13	WOLFCAMP	-10067	11321	11321	SHALE	NATURAL GAS,OIL	Yes

Section 2 - Blowout Prevention

Operator Name: AMEREDEV OPERATING LLC

Well Name: PIMENTO FED COM 26 36 03

Well Number: 111H

Pressure Rating (PSI): 10M

Rating Depth: 15000

Equipment: 10M BOPE SYSTEM WILL BE USED AFTER THE SURFACE CASING IS SET. A KELLY COCK WILL BE KEPT IN THE DRILL STRING AT ALL TIMES. A FULL OPENING DRILL PIPE STABBING VALVE WITH PROPER DRILL PIPE CONNECTIONS WILL BE ON THE RIG FLOOR AT ALL TIMES.

Requesting Variance? YES

Variance request: Co-Flex Choke Line, 5M Annular Preventer

Testing Procedure: See Attachment

Choke Diagram Attachment:

10M_Choke_Manifold_REV_20190131135836.pdf

BOP Diagram Attachment:

5M_BOP_System_20190118122400.pdf

5M_Annular_Preventer_Variance_and_Well_Control_Plan_20190131133051.pdf

Pressure_Control_Plan_Single_Well_MB4_3String_Big_Hole_BLM_20190131133142.pdf

4_String_MB_Ameredev_Wellhead_Drawing_net_REV_20190131141059.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1888	0	1888	2991		1888	J-55	54.5	OTHER - BTC	4.86	0.52	DRY	8.89	DRY	8.29
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5013	0	5013			5013	HCL-80	40	OTHER - BTC	1.29	1.11	DRY	2.19	DRY	2.2
3	PRODUCTION	8.5	5.5	NEW	API	N	0	22496	0	11720			22496	OTHER	20	OTHER - BTC	1.56	1.68	DRY	2.79	DRY	3.11

Casing Attachments

Operator Name: AMEREDEV OPERATING LLC

Well Name: PIMENTO FED COM 26 36 03

Well Number: 111H

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375_54.50_J55_SEAH_20190118122547.pdf

PIMENTO_FED_COM_26_36_03_111H___WELLBORE_DIAGRAM_AND_CDA_20190118123402.pdf

Casing ID: 2 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

9.625_40_SeAH80HC_4100_Collapse_20190118122742.pdf

PIMENTO_FED_COM_26_36_03_111H___WELLBORE_DIAGRAM_AND_CDA_20190118123422.pdf

Casing ID: 3 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

TMK_UP_SF_TORQ___5.500in_x_20.00__P_110_CYHP_20190118122912.pdf

PIMENTO_FED_COM_26_36_03_111H___WELLBORE_DIAGRAM_AND_CDA_20190118123442.pdf

Operator Name: AMEREDEV OPERATING LLC

Well Name: PIMENTO FED COM 26 36 03

Well Number: 111H

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1502	965	1.76	13.5	1697.63	50	Class C	Bentonite, Accelerator, Kolseal, Defoamer, Celloflake
SURFACE	Tail		1502	1888	200	1.34	14.8	268	100	Class C	Salt
INTERMEDIATE	Lead	5013	0	4163	686	2.47	11.9	1694.94	25	Class C	Salt, Bentonite, Kolseal, Defoamer, Celloflake, Anti-Settling Expansion Additive
INTERMEDIATE	Tail		4163	5013	200	1.33	14.8	266	25	Class C	Retarder
INTERMEDIATE	Lead	5013	5013	9414	1531	2.47	11.9	3780.79	25	Class H	Bentonite, Salt, Kolseal, Defoamer, Celloflake, Retarder, Anti-settling
INTERMEDIATE	Tail		9414	10670	300	1.24	14.5	371.1	25	Class H	Salt, Bentonite, Retarder, Dispersant, Fluid Loss
PRODUCTION	Lead		0	22496	4803	1.34	14.2	6436.4	25	Class H	Salt, Bentonite, Fluid Loss, Dispersant, Retarder, Defoamer

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: All necessary supplies (e.g. bentonite, cedar bark) for fluid control will be on site.

Describe the mud monitoring system utilized: An electronic pit volume totalizer (PVT) will be utilized on the circulating system to monitor pit volume, flow rate, pump pressure, and pump rate.

Circulating Medium Table

Operator Name: AMEREDEV OPERATING LLC

Well Name: PIMENTO FED COM 26 36 03

Well Number: 111H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1888	WATER-BASED MUD	8.4	8.6							
1888	10670	OTHER : DIESEL BRINE EMULSION	8.5	9.4							
10670	11720	OIL-BASED MUD	10.5	14							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

A directional survey, measurement while drilling and a mudlog/geologic lithology log will all be run from surface to TD.

List of open and cased hole logs run in the well:

DS,MWD,MUDLOG

Coring operation description for the well:

No coring will be done on this well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5000

Anticipated Surface Pressure: 2421.6

Anticipated Bottom Hole Temperature(F): 160

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

H2S_Plan_20180628162029.pdf

Operator Name: AMEREDEV OPERATING LLC

Well Name: PIMENTO FED COM 26 36 03

Well Number: 111H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Pim111_DR_20190118125320.pdf

Pim111_LLR__002__20190118125320.pdf

Pressure_Control_Plan_Single_Well_MB4_3String_Big_Hole_BLM_20190131140233.pdf

Other proposed operations facets description:

4 String Contingency Plan Attached

Other proposed operations facets attachment:

CAPITAN_PROTECTION_CONTINGENCY_PLAN_V3_20190219153040.pdf

Other Variance attachment:

R616__CoC_for_hoses_12_18_17_20180628162114.pdf

Requested_Exceptions__3_String_Revised_01312019_20190131140210.pdf

13 5/8" 5M BOP
Configuration

CO-FLEX LINE TO
CHOKE MANIFOLD

2" KILL LINE

4" 10M VALVES &

10M Check Valve

13 5/8" 5M
ANNULAR

10M PIPE RAMS
5 - 5-3/4" VBR

10M BLIND RAMS

10M PIPE RAMS
5-5-3/4" VBR

