<u>District I</u> 1625 N. French Dr., 1 Phone: (575) 393-610	720	State of New Mexico Energy Minerals and Natural Resources						Form C-101 Revised November 14, 2012		
Natrice II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 r				Oil C	onservation	n Division	ui ces		MENDED REPORT	
			1220 S			rancis Dr.				
<u>District IV</u> 1220 S. St. Francis D Phone: (505) 476-34	or., Santa Fe, NM 87 50 Fax: (505) 476-34	505 HOI	HOBBS OCD San			87505				
APPLIC	ATION F	OR PER	0 1 2013 MIT TO) DRILL, RE-	ENTER, D	EEPEN, P	LUGBACI	K, OR AI	DD A ZONE	
		¹ Oper	ator Name an	d Address			2	^{2.} OGRID Num 785	ıber	
AMTEX ENERGY INC P.O. Box 3418							³ API Number			
		M	idland, TX 7	79702				30-025-299	91	
⁴ Propert 4 O f	y Code			^{5.} Prope MERCHANT	rty Name STATE UNIT			6. 1	Well No. 1	
	<u> </u>			^{7.} Surface	Location			L		
UL - Lot I	Section Tov 35 2	vnship R 21S 3	ange B3E	Lot Idn Fe	et from 2309'	N/S Line South	Feet From 990'	E/W Line East	County Lea	
L I				⁸ Proposed Bo	ttom Hole Lo	eation	I		۹ <u>ـــــــــــــــ</u> ا	
UL - Lot	Section Tov	vnship R	ange	Lot Idn Fe	et from	N/S Line	Feet From	E/W Line	County	
		ł		^{9.} Pool In	formation				_ , 1	
			Wildcat	Pool Name , West Grama Ridge	Bone Springs					
				Additional We	ell Informatio	on		*	211	
E Call Call Call Call Call Call Call Cal					ble/Rotary	totary 14 Lease Type 15 Ground Level Eleve State 3661.41 ***			ound Level Elevation 3661.4	
¹⁶ Multiple ¹⁷ Proposed Depth				^{18.} Fc St	rmation ^{19.} Contractor				^{20.} Spud Date	
Depth to Ground water Dista				Distance from ne	earest fresh water 5 miles	rest fresh water well Distance to nearest surface water miles 3 miles			arest surface water iles	
L			^{21.} P	roposed Casing a	and Cement l	Program	1			
Туре	Hole Size	Casir	1g Size	Casing Weight/ft	t Set	tting Depth	Sacks of Cement		Estimated TOC	
Surf	20"	13	3/8"	48		615'	35	50 75	Surface	
Prod.	8.75"	7	.0"	40.5/ 45.5		12,550'	1675		2,500 (inside 10 ³ / ₄)	
			Casing	/Cament Program	n: Additiona	Comments	- 7 .			
MIRU Alliance Pullii 300sx +/-, of 18lb./i MIRU Drilling Rig ar new logs and sidew into the Intermedia 7.0" Casing Slips are Cement.	ng Unit Rig X weld gal. Kick-off CMT. nd PU a 8.75" bit, all cores. Then co te Casing, and 7.0 e set and landed i	on new Well He Plug from 5,794 bend and motor ndition hole and " Casing cemen n the Well Head	aad and drill ou " up to 5,100'. and RIH and B d LD the drill pip ted in 2 stages, . Drill out w/6.1	t CMT Plugs with 9 ½" Bit POH X RIMO Rig in order lind Sidetrack at 7,247'. A pe, collars and bit. RIH wi 1 st stage is 800sx Class H L25" Bit to 13,600' X Set 4	t inside of the 10 % to allow CMT Plug After sidetracking, o th 7.0" Casing, 29H cement, DV Tool (\$ ½", HCP110, 13.5	" Intermediate Cas to set up and hard frop back to vertica ./ft., HCP110 Butti @ 8.000', 2 nd stage # Liberty FJ Liner fr	ing. Drill to 5,794' a len. al and drill new 8.75 ress, from the surfac is 850sx Class C Cer om 13,600' to 12,45	nd POH w/9.5" f " hole down to : ce to 12,550', an nent and TOC @ 0' X Cement wit	Bit and RIH and Pump 12,550'. At 12,550' run Id cement back to tie back 9 800' from surface. The th 300sx of Completion	
			^{22.} P	roposed Blowout	Prevention	Program				
DoubleRam Wor			3000	Ig ressure Test Pressure 000 3000			Cameron			
^{23.} I hereby cert best of my know I further certi	ify that the info wledge and beli fy that I have o	ormation giver ef.	n above is tru n 19.15.14.9 (e and complete to the	Approved B	OIL CO	NSERVATIO		ION	
and/or 19.15.1 Signature:	4.9 (B) NMAC V <i>illiaw</i>	, it applie	apic. Tavaq	e/	2	Fin	John			
Printed name:	William J. Sa	vage	/		Title: 🖌	IST ME	FF-			
Title: Presider	nt				Approved Da	ate/0-1-2	0/3 Expiratio	n Date: /0	-1-2015	

E-mail Address: bsavage@amtexenergy.com

Phone: (432) 686-0847

Date: 09/18/2013

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001	7 1	10.1

Conditions of Approval Attached

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AMTEX ENERGY, INC. P. O. Box 3418 MIDLAND, TX 79702 432/686-0847 888/789.5245 fax

Merchant State Unit Well No. 1

API #30-025-29991

Objective – Re-entry Multiple Completions in the Wildcat, West Grama Ridge- Bone Springs.

API# 30-025-29991	Location - Lea Co Sec 35(I) - T21S - R33E
GL – 3,661.4'	КВ - 3,683.4′
TD - 13,600	

Casing	OD	WT/FT	Grade	Тор	Bottom	тос	Collapse (psi)	Burst (psi)
Surface	13.375″	48#	H40	0	615′	Surface	770	1,730
Intermediate	10 3/4	40.5,45.5#	K-55 & S-80	0	5,183'	Surface	2,570	3,950
Production	7 "	29#	HCP110	0	12,550′	2,500′	8,510	11,220

Marker Joints: TBD

OFFSET WELLS WITHIN 1/4 MILE- NONE

Operator:	Well Name:	Sec-T-R:	Surf Loc:	Distance: Frac Stg Proximity		Weil Status
	NONE					

Completion Procedure

- 1) Reconnect to wellhead.
- 2) Drill out cement plugs.
- 3) Pump 300sx +/-, of 18lb./gal. Kick off- CMT. Plug from 5,794' up to 5,100'. POH X RIMO Rig to allow CMT plug to set up and harden.
- 4) MIRU Drilling Rig and PU a 8.75" bit, bend and motor and RIH and Blind Sidetrack at 7,247'. After sidetracking, drop back to vertical and drill new 8.75" hole down to 12,550'. At 12,550' run new logs and sidewall cores.
- 5) Condition hold and LD the drill pipe, collars and bit. RIH with 7.0" CSG, 29lb./ft., HCP110 Buttress, from the surface to 12,550' and CMT.
- 6) Drill out w/6.125" bit to 13,600' X set 4 ¹/₂", HCP110, 13.5# Liberty FJ Liner from 13,600' to 12,450' X CMT with 300sx of Completion Cement. RDMODR X Prep to Complete.







"The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated, a Shaffer Tool Works stripper, valves ; chokes and connections, as illustrated. If a topered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and taking rams to fit the preventers are to be evailable as needed. The ram preventer must be two singles or a double type. If correct in size, the floaged outlets of the ram preventer may be used for connecting to the 4-inch i.D. shake flow line and kill lino. The substructure health shall be sufficient to install a rotation blowout preventer.

Minimum operating equipment for the preventers shall be as follows: (1) Pump (4), driven by a continuous source of power, capable of closing oil the pressure-aperated devices simultaneously within _____econds. The pump (4) is to be connected to a closed type hydroulic operating system. (2) <u>When requested</u>, accumulators with a precharge of nitrogen of not less than 750 PSi and connected so as to receive a fluid charge from the above pump (4). With the charging pump (5) shut down, the pressure of fluid volume stored in the accumulators must be sufficient to close oil the pressureaperated devices simultaneously within _____ seconds; after closure, the remaining accumulator pressure shall be not less than 1000 PSi with the remaining accumulator fluid volume at least _____porcent of the original. (3) <u>When requested</u>, an additional source of power, remote and equivalent, is to be available to aperate the above pump (4); or there shall be an additional pump (a) operated by separate power and equal in performance caesabilities.

The closing manifold shell have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided if a Hydril preventor is used. Guif Logion No. 38 hydrastic all, an equivalent ar batter, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, a hake flow line, and choke lines are to be supported by metal stands and adequately anahared. The choke flow line and choke lines shall be constructed as straight as possible and without sharp bonds. Easy and safe access is to be maintained to the choke manifold. All valves are to be selected for operation in the presence of all grav, and drilling fluids. The choke flow line valve connected to the drilling space and all ram type proventers must be equipped with stars and the rank of the daried, and wheels which are to extend by and all ram type proventers. All other valves are to be exclusions, universal joints if needed, and wheels which are to extend by and the choice of the daried stars which are to extend by an other sectors.

3000 PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP



bilde. dy within, hydraulia operating system which is to be a eleved system. (2) Accumulators with a proclarge pressure to its rehad pressure within a sinutes. Also, is by developed of each with the pressule of field volume stared in the occasation of an interopen of each start and 2000 SM with the charging punge and a set and conserted devices starting accumulators with the second of the occasations of the sound of the pressure operated devices starting accumulators with the second of the occasations of the starting accumulators and a second in the occasation of the starting accumulator of the starting to the starting accumulator of the starting accumulator of the starting accumulator of the starting to the starting accumulator of the starting accumulator of the starting to the starting accumulator of the starting to the starting accumulator of the starting to the starti

The closing marifold and measte claime manifold shell have a seperate control for each pressure-operated daviee. Controli ere to lebolad, with earlied helicating open and closed f A pressure reducer and new later mest be provided for queering the Mydell preventer. When requested, a socond pressure reducer dell be oveilable to licit aperating fluid pressure to ma prev Gult Legian No. 38 hydroulle oil, en aquivelent or braver, is no le and as fluid to operate the hydraulle operation operation.

enchared. The checks frow line, relief line, and checks lines shall be constructed and necessary, welknown and extrange the libe answed in our encourt the checks have obtained the velves connected to the defiling good and all reas types have the edge of the derivet externations. All effect velves are to be equipped and the edge of the derivet externations. All effect velves are to be equipped percenter on the applying with stem extension, universal joints if mechad, and willing fields. The chaice flow the with hondles. , unone memifold. If des fluids. The chaite fl-The obole mentional, okaine floor lloo, neled kine, and chaine kinen one ho bo supported by metrol stands and as streight as prostible and without sharp boads. Eary and nelo escous is to be analyterhed to the chaine merify mentional. All vertues are to be acted for operators in the pressure of eils, gas, and drilling fluids. The a

To lectude denich floor mounted controls.

Amtex Energy, Inc.

Operating and Maintenance for a Closed Loop System

19.15.17.12 OPERATIONAL REQUIREMENTS:

- **A.** General specifications. An operator shall maintain and operate a pit, closed-loop system, below-grade tank or sump in accordance with the following requirements.
- (1) The operator shall operate and maintain a pit, closed-loop system, below-grade tank or sump to contain liquids and solids and maintain the integrity of the liner, liner system or secondary containment system, prevent contamination of fresh water and protect public health and the environment.

Operator shall operate and maintain a Closed Loop System.

(2) The operator shall recycle, reuse or reclaim or dispose of all drilling fluids in a manner, approved by division rules, that prevents the contamination of fresh water and protects public health and the environment.

Operator shall recycle, reuse or reclaim all drilling fluids used. Excess or unused fluid shall be disposed of at division approved facilities.

(3) The operator shall not discharge into or store any hazardous waste in a pit, closed-loop system, below-grade tank or sump.

Operator shall not knowingly discharge hazardous waste into the closed loop system.

(4) If any pit liner's integrity is compromised, or if any penetration of the liner occurs above the liquid's surface, then the operator shall notify the appropriate division district office within 48 hours of the discovery and repair the damage or replace the liner.

No Pit Liner. A Closed Loop System will be used.

(5) If a pit develops a leak, or if any penetration of the pit liner, below-grade tank liquid's surface, then the operator shall remove all liquid above the damage or leak line within 48 hours and repair the damage or replace the pit liner.

No Pit Liner. A Closed Loop System will be used. If a leak develops in any of the closed loop tanks, all liquids shall be removed from the effected tank within 48 hours and any damage shall be repaired prior to putting the tank back in service. (6) The operator shall operate and install a level measuring device in a lined pit containing fluids to monitor the level of the fluid surface, so that the operator may recognize unanticipated change in volume of fluids.

No pit. A Closed Loop System will be used. Excess fluid shall be removed appropriately from the catch tanks.

(7) The injection or withdrawal of liquids from a lined pit shall be accomplished through a header, diverter or other hardware that prevents damage to the liner by erosion, fluid jets or impact from installation and removal of hoses or pipes.

No pit. A Closed Loop System will be used. Excess fluid shall be removed appropriately from the catch tanks using a re-circulating pump or vacuum trucks.

(8) The operator shall operate and install a pit, below-grade tank or sump to prevent the collection of surface water run-on.

Operator shall berm or collect surface water run-on and dispose of it at a division approved facility.

(9) The operator shall install, or maintain on site, an oil absorbent boom or other device to contain and remove oil from a pit's surface.

Operator shall install a skimmer system on catch tanks, circulating tanks and over-flow tanks as need to collect oil.

Amtex Energy, Inc. Closed Loop Location Design Plan



Amtex Energy, Inc.

Closure Plan for Closed Loop Drilling System

1. METHODS OF HANDLING WASTE MATERIALS

- A. Drill cuttings shall be disposed of in steel cuttings bins (catch tanks) on the drilling pad (behind the steel mud tanks). The bin and cuttings shall be hauled to a division approved facility be an approved facility by an approved transporter. At the facility, the cuttings shall be removed from the bin and the bin shall be returned to the drilling site for reuse, moved to the next drilling site or returned to the provider.
- B. Remaining drilling fluids shall be hauled off be approved transports to a division approved disposal facility. Water produced during completion shall be put in storage tanks and disposed of at a division approved facility. Oil and condensate produced shall be put in a storage tank and sold or put in a sales pipeline.

2. RECLAMATION

A. Within 120 days after the drilling and completion of the well, the location area shall be reduced as determined by operator to minimum area necessary to safely and effectively operate the well. The reclaimed location area shall be restored to the condition that existed prior to oil and gas operations.