District I

. 1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410 District IV.

1220 S. St. Francis Dr., Santa Fe, NM 87505

005

State of New Mexico
Energy Minerals and Natural Resources

May 27, 2004 ubmit to appropriate District Office

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

mine to appropriate Bisarce office

☐ AMENDED REPORT

Form C-101

APP	LICAT	IONE	OR I	<u>PERMI</u>	T TO D	RILI	L , RE- l	ENTI	ER, D	EEPE	N.PLUČBA	CK,	OR AD	D A ZONE	
¹ Operator Name and Address								147179	2 OCDID Number						
Chesapeake Operating Inc. 2010 Rankin Hwy Midland, TX 79701								30.015-25	³ API Number 30 015-25237						
³ PropertyCode ⁵ Property						Name					il No.				
30	117	<u>/</u>		FORT	18 COM								1		
MALAGA	; DELAV	VARE		posedPool 1	l			¹⁰ Proposed Pool 2							
				,		⁷ S	urface	Locat	tion						
UL or lot no.	o. Section Township Range 18 24S 29E		Lot Idn F		Feet fro				Feet from the 895	Eas WE	st/Westline EST	County EDDY			
⁸ Proposed Bottom Hole Location If Different From Surface															
UL or lot no.	Section 18	Towns 24S		Range 29E	Lot		Feet fro		1	South line	Feet from the 895	Eas WE	st/Westline EST	County EDDY	
					Ac	ditio	nal We	ell Info	ormati	on					
	Type Code			² Well Type C				e/Rotary		l-	Lease Type Code		15 Ground Level Elevation		
P 16 x	/ultiple		OIL 1	⁷ Proposed D	41-		18 Form	mation	S		19 Contractor	19 0		GR 20 Spud Date	
· N	nuitipie	1	13058	Proposed D	epun	BRU	ISHY C				Contractor	'' Contractor		5/2007	
Depth to Grou	undwater				Distanc	efrom	nearestfres				Distance from near				
Pit: Liner	r: Synthetic	<u>45</u> □	milsth	nick Clay	X Pit Vol	lume:12	2129 _{bbls}		000 Drill:	ing <u>Metho</u>	<u> </u>		1()00	
	ed-Loop Sys			,						_	Brine Diesel/	Ol-base	ed 🗆 Gas/	Air 🗆	
0.100	a Loop 535				21 Propo	nad C	asing a	nd Ca							
													<u> </u>	- 1 1 TO G	
Hole S	Size	12.2/	Casing	Size		g weigh	it/foot	Setting Depth Sacks of C 600 580 sx		ement Estimate		Estimated TOC			
17 1/2 12 1/4		13 3/8 9 5/8			36#	61#		2610		1550 sx CL C					
8 1/2		7		23#		10650		1400 SX CL C							
0 1,2		 			122.7			1002			1100 511 02				
4 1/2 LNR					10317-13058 250 SX										
Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. CHESAPEAKE, RESPECTFULLY, REQUEST PERMISSION TO PLUG BACK TO BRUSHY CANYON ZONE PER THE ATTACHED.															
²³ I hereby certify that the information given above is true and complete to the best							OIL CONSERVATION DIVISION								
of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or						Appro	Approved by:								
an (attached) alternative OCD-approved plan .					BRYAN G. ARRANT										
Printed name: Shay Stricklin						Title:			DISTRIC	TH	GEOLC	GIST			
Title: Regulatory Tech.						Approval Data PR 0 4 2007 Expiration Date: APR 0 4 2008									
E-mail Addre	E-mail Address: sstricklin@chkenergy.com														
Date: 03/30/2007 Phone: (432)687-2992					Conditions of Approval Attached										

<u>District I</u>	
1625 N. French Dr., Hobbs, NM 88240	
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District IV

State of New Mexico

OIL CONSERVATIONDIVISION Energy, Minerals & Natural Resources Department

CONSERVATION DIVINION 1220 South St. Francis Dr. APR 2 2007
NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

1220 S. St. Francis Dr., Santa Fe, NM 87505							NA /	L	→ AME	NDED R	EPORT		
			WELL LO	CATIC	N AND ACR	<u>EAGE DEDIC</u>	ATIONPLA	T					
¹ A	PI Number	•		² Pool Cod	e	' Pool Name							
30-015-2523	37			4294	6 M	ALAGA; DELA	WARE (OIL)						
' Property C			⁵ Property Name					' Well Number					
004915	FORT	18 COM							1				
OGRID N			Operator Name					'Elevation					
147179 Chesapeake Operating Inc.						29					2955.8 GR		
					¹⁰ Surface	Location	-						
UL or lot no.	Section	Township	p Range	Lot Idn		North/South line	Feet from the	East	t/West line		County		
E	18	24S	29E		1980	NORTH	895	WEST		EDDY			
			¹¹ Bo	ottom Ho	ole Location If	f Different Fron	n Surface						
UL or lot no.	Section	Township	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line			County		
Е	18	24S	29E		1980	NORTH	895	WEST		EDDY			
¹² Dedicated Acres	" Joint or	Infill	" Consolidation	Code "O	rder No.								
320 4c													

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order
<u>268</u>	Signature Date Shay Stricklin Printed Name
	18SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey
	Signature and Seal of Professional Surveyor: Certificate Number

Fort 18 Com #1 Plug Back to Brushy Canyon Eddy County, New Mexico

GENERAL INFORMATION

February 15, 2007

Location: 1980' FNL & 895' FWL, Sec 18 - T24S - R29E

API No.: 30-015-25237

WELL INFORMATION

String OD	Weight & Grade	Depth	ID	Drift_	Burst	TOC
13-3/8"	61# K55	0' - 600'	12.515"	12.359"	3090	0'
9-5/8"	36# K55	0' - 2610'	8.921"	8.765"	3950	0,
7"	23# S95	0' - 10650'	6.366"	6.241"	7530	6390'
4-1/2"	13.5# N80	10306' - 13058'	3.920"	3.795"	9020	10306'

Atoka 11922 – 76' (OA); Bone Spring 8806 – 50'

TD/PBTD: 13058'/12000'

Recommended Perforations

Brushy Canyon 6046 - 68'

Re-Completion Procedure

- 1. MIRU Service Rig and requisite equipment. NU BOP. POOH with pump, rods, and 2-3/8" tubing.
- 2. MIRU Wireline Service Co. Make a gauge ring trip in and out to ~11900'. Correlate to CBL/CCL dated 4/25/1995. Set a 4-1/2" CIBP at 11875'. Bail 2 sx of cement on plug. Correlate to CBL/CCL dated 6/10/1998. Set a 7" CIBP at 8760'. Load hole with 2% KCL and test to 1000#. Run strip log and correlate to Litho Density log dated 4/19/1985. Shoot two squeeze holes at 6200'. Shoot two squeeze holes at 5850'. Set a cement retainer at 6175'. RDMO Wireline Service Co.
- 3. RIH picking up 2-7/8" 6.5# N80 workstring. Sting into retainer. Break/establish circulation with KCL water. Pump 15 bbl of mud sweep and cement with 200 sacks of Class C cement plus additives per squeeze recommendation. Sting out of retainer, reverse clean, and POOH with tubing.
- 4. Run temperature log to establish TOC. WOC overnight.
- 5. Load hole and pressure test casing to 500#.
- 6. RU lubricator and RIH w/ 3-3/8" casing gun. Perforate the Brushy Canyon w/ 2 SPF, 120 degree phasing, 23 gram charge, .37" holes from 6046 68' (45 holes).
- 7. RIH w/ 7" treating packer and SN on 2-7/8" tubing. Space out with the EOT at 6068'.
- RU Acid Service Company. Spot 200 gal of 7-1/2% HCL Acid containing 4 gpt of iron control, 1 gpt each of corrosion inhibitor, surface tension reducer, and non-emulsifier. Pull packer to ~ 6000'. Reverse circulate excess acid into tubing, set packer. Pressure test annulus to 500#.

- 9. ND BOP. NU tree. Pressure annulus to 500 psi. Displace spot acid, establish rate of 3 to 4 BPM w/ 2% KCL. (Keep KCL water usage to a minimum). Acidize w/ 1,300 gal of same acid. Displace w/ 2% KCL. Do not over-displace. Pump at 3 to 4 BPM max. Launch 55 ball sealers during job. Note rates and pressures. Note ISIP. Max pressure 2500#.
- 10. Flow/swab back job. Swab test zone.
- 11. Prep to frac. Kill well with 2% KCL if required. Release and lower packer through perfs to clear of ball sealers. NU frac valve. M!RU Frac Service Company. Pressure annulus to 500#. Tie on to tubing and establish rate with a 2000 gal pre-pad of 30# linear gel. Pump a 10,000 gallon pad of 30# XL gel pad containing additives per frac schedule. Scour zone with ½ #/gal 16/30 Ottawa in 4000 gal of 30# XL gel. Frac per frac schedule ramping 50,000# of 16/30 Ottawa from 1 lb/gal to 5 #/gal in 15,000 gal of 30# linear gel. Tail in with 10000# of 16/30 resin coat at 6 #/gal in 1700 gal of linear gel. Total sand 51,000 lb of 16/30 Ottawa, 10,000 lb of 16/30 resin coat. Obtain rates approaching 12 15 BPM, max pr 4000#. Cut resin activator in last tub of sand. Displace to top perf with linear gel. Anticipated treating pressure ~2500#.
- 12. Obtain 5, 10, and 15 min SI data. RDMO Frac Service Company. Wait on frac overnight.
- 13. Flow back job. Swab to clean up and test.
- 14. ND tree, NU BOP. POOH with tubing and packer laying down workstring.
- 15. RIH w/ MA, PS, SN, TAC (at ~ 5700') and 2-3/8" tubing. Space out and land SN ~6075'. Swab to clean up.
- 16. RIH w/ 1-1/2" pump and a high strength tapered rod string. Run pump, 300' of 1-1/2" sinker bars, 140 3/4", and 91 7/8". Space out/seat pump. Load and test. PWOP.

CURRENT WELLBORE SCHEMATIC CHESAPEAKE OPERATING INC.

WELL

: FORT 18 COM # 1

FIELD

: MALAGA - ATOKA

LOCATION: 1,980' FNL & 895' FWL, SEC. 18-T24S-R29E

COUNTY

: EDDY

STATE: NM

ELEVATION: GL - 2,955.8' KB - 2,976'

API#:

30-015-25237 03/23/1985

Chesabeake

SPUD DATE:

Natural Advantages

RIG RELEASED: 09/24/2002

FIRST SALES:

12/14/2002

CHK PN:

891241

HOLE SIZE

17-172

12-1/4

8-1/2"

6-1/8

13-3/8" 61# K-55 STC Surf. Csg. @ 600"

Cmt: 350 sx HL+additives & 200 sx class H+additives. Circ 30 sx to surf

sx Class C+additives. Circ 100 sx to surf

9-5/8" 36# K-55 Cag. @ 2.610' Cmt: Lead: 1200 sx HL+ additives.Tail: 350

Well History:

9-19-95: Run CNL/Sonic/Duel log. 9-24-85: Perf Morrow 12,879' to 890'. Acdz w/ 3000 gal 7-15% MS acid,500 SCF N2/bbl. 9-25-85: Sgad Perf with 50 sx Class H cmt w/additives. 8-27-95: Perf Afoka 12,027 to 036'. Acdz w/ 5000 gal 7-15% Mor Fio BC

acid w/20 RS in acid

acid wi20 BS in acid.
2/14/92: RiWwi 1-11/16" sinker ber to 10,800", seet-assembley @
10,330". Swab dry-not flowing. Rild w/ CCL_gamma gun. Reperf existing perf
12,027" to 038" w/4 spf 180 degree phasing. Drop 2 scap slick.
1/24/94: Rild w/1-y" colled big w/ wash tool & 750 SCF N2 PM to 7,200".
Wash to 12,200". Work colled tig timu perfs several times wi40 & foamer.
Spot 750gal 7-5% HCl. Close annulus & dsp acd wi402 & foamer, jet hole
dry, PCOH w/ 1-14" coll tog. Weld dead. Cls out did not benefit well.
3 & 4/1996: Set CIBP @ 12010". Perf Ackks 11922 — 30 & 11968 - 76".
Acdz perf 11,922 to 976" w/ 5000 gal 7-5% NEFE.
6/30/98: Alloke depleted. Perf Bone apring from 8,906" to 850". Frac w/
1878 bbl spectraftic gel & 151,5408 sand.
16/08/01: RU. Petroplex acdz w/280 gal 16% HCL mitred w/220 gal Gas
plus w/45 bbl of 2% KCL.
10/01/03: Changed Pmp. Load lbg w/24 bbl. Test to 5008 for 5 min. Good.

pus w/45 bb or 2% KCL.

10/01/03: Changed Pnp. Load tbg w/24 bbl. Test to 500# for 6 min. Good.

4/2/04: RJ pulling unit. Removed horse's head, stuffing box and polish rod liner. Replod 1-½"X26" polish rod & 1-½"X16" rod liner. Load tbg w/3 bbl water and test tbg. Pressure test OX'd.

Water and rest up, Fresonia tool Unit. 822004: Repair pmp. 12/3/04: Repair pmp. Change bell. 1/19/08: C/O Parallin from surf to 6,000'. Pump change.

TOC @ 6,390°

Rod Detail; 2"X1-1/16X24" RHBM 8 1-1/1" K-Bars 335 %" rods 2' 7/8" SUB 8' 7/8" SUB 1 1/4X24' Posts 1 1/4X16' LNR The Detail: 2-3/8" 4.7# N80 SN~11,925' from KB

Bone Spring Perfs @ 8,806'-8,850' w/4 spf (176 holes)

TOL & 10,306'

7" 23# S-96 Cag. @ 10.650" Cmt: Lead: 850 sx HL + additives. Tail: 550 sx Class

H+ additives

Upper Atoka Perfs @ 11,922'-30', 11,968'-76' w/4 spf (64 holes) CIBP @ 12.010' W/10' CMT.

Atoka Parfs @ 12,027'-12,038' w/1 spf (12 holes)

Moπow Perfs @ 12,879'-12,890' w/1 spf (12 holes) sqzd

4-1/2" 13.5# N-80 Liner @ 13.058' Cmt: 250 sx Class H w/additives.

PREPARED BY: _ Myo Htoon UPDATED BY: _ AJM

TD @ 13,058' PBTD @ 12,000

> 5/25/06 DATE: __

DATE: 2/16/07