Energy	Submit To Appropriat State Lease - 6 post	e District Office			State of New 1								Form C-	
Display Disp	Fee Lease - 5		Eı	nergy,	Minerals and N	atural Re	sources		VELL AF	DI NO		R	evised June 10,	2003
Some of Companies Some	District II	3.77 Mark		0.11.0										
Santa Fe, NM 87505 Santa Fe, NM 87505 Santa Fe, NM 87505 Santa Gil & Gas Lease No. WELL COMPLETION OR RECOMP LETION REPORT AND LOG In Type of Completion New 20 WORK DEPPEN PLUG DIFF WHLL OVER BACK RESPECT OLD ARTESIA 7. Name of Operator WELL COMPLETION OR RECOMP LETION REPORT AND LOG In Type of Completion New 20 WORK DEPPEN PLUG DIFF WHLL OVER BACK RESPECT OLD ARTESIA 7. Name of Operator WHLL OVER BACK RESPECT OLD ARTESIA 7. Name of Operator WHLL OVER BACK RESPECT OLD ARTESIA 7. Name of Operator WHLL OVER BACK RESPECT OLD ARTESIA 7. Name of Operator WHLL OVER BACK RESPECT OLD ARTESIA 7. Name of Operator WHLL Leasten WHLL Completion Section Secti	1301 W. Grand Ven	768 C C C C C C C C C C C C C C C C C C C	0			5								
1990 S. Freedown 1990 S. State 1990 S. State 1990 S.	1000 Rio Brazos Rd.,	Aztec, NM 87410		1.2			1.	_					; <u>X</u>	
In. Type of Completion: Oil, WHILL OAS WELL DRY OTHER OTHE	1220 S. St. Francis Di							3	tate On a	z Gas	Lease	NO.		
WELL OVER BACK RESYED OF SUB- 1900 STORES AND STORES AN		OMPLETION	OR RECC)MP	LETION REPO	RT AND	LOG	<u> </u>	Lanca Nam	TI-	it A area	mont No		
WELL OVER BACK RESYED OF THE PAGE 2. Name of Operating. Inc. Chesapeake Operating, Inc. 3. Address of Operating. 3. Address of Operation 4. Well Location Unit Letter O 553 Feet From The South 10. Dute Spadded 11. Dute TD. Resched 12. Dute Compt. (Ready to Prod.) 13. Elevations (Prod.) 14. Elev. Casinghead 11. Dute TD. Resched 12. Dute Compt. (Ready to Prod.) 3124 GR	OIL WEI		ELL 🗌 DR	Y 🗆	OTHEROTHER	17 18 19 ₂₍	2 23/				nt Agree	ment iva	ine	
RECEIVED 1	NEW 🛛 V	VORK 🗌 DEE			DIFF. RESVE OF	TER 2000	1222							
Chesapeake Operating, Inc. 3. Address of Operating. 2010 Rankin Hiway Midland, TX 79701 4. Well Loadion Unit Letter O 553 Feet From The South Section 4 Township 22S Range 27E NMPM Eddy County 10. Date Spudded 11. Date T.D. Reached 12. Date Compl. (Ready to Prod) 13. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 15. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 13. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 15. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 13. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 15. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 19. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 15. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 19. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 15. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 19. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 15. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 19. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 15. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 19. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 16. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 19. Elevations (DF& RKB, RT, CR, etc.) 14. Elev. Casinghead 99/11/2006 16. Total Depth 16. Pfug Back T.D. 17. If Multiple Compl. (Neady to Prod) 18. Interval 19. Elevations (DF& RKB, RT, CR, etc.) 18. Elevations (DF& RKB, RT, CR, etc.) 18. Elevations (DF& RKB, RT, CR, etc.) 19.	2. Name of Operato	or .			(Post		12	8.	Well No.					
20 10 20 20 20 20 20 20					\o OCD	- ARTECI								
Section 4	3. Address of Oper	ator			/ 64.		13.4 /	ı						
Section 4	2010 Rankin F 4. Well Location	liway Midland	, TX 79701		2345	1-1808		Es	speranza	a;Dela	ware			
10. Date Spudded	Unit Letter	O : 5	Feet F	rom The	South	Line	e and 16	50		Feet Fr	om The_	Ea	st	Line
19/11/2006 09/23/2006 11/16/2006 3124 GR 15. Total Depth 16. Plug Back T.D. 17. If Multiple Compl. How Many 18. Intervals Rotary Tools Cable Tools		4												nty
19. Producing Interval(s) of this completion - Top, Bottom, Name 20. Was Directional Survey Made No	10. Date Spudded 09/11/2006			Date C /16/20	ompl. (Ready to Prod.) 206) 13. 312	Elevations (D ! 4 GR	F& R	KB, RT, G	R, etc.)	1	4. Elev.	Casinghead	
19. Producting Interval(s), of this completion - Top, Bottom, Name 20. Was Directional Survey Made No	15. Total Depth	_	Back T.D.				18. Intervals	s F	Rotary Tool	S	 	Cable T	ools	
1022 Brushy Canyon; 5224 Delaware No	5325		1 T. D						1	20 11		· -1.0:		
22. Was Well Cored None				ottom, f	Name						as Direct	tional Su	irvey Made	
ABOUNT PULLED AMOUNT AND PULLED AMOUNT AND RECORD AMOU										ell Core	đ			
ABOUNT PULLED AMOUNT PULLED AMOUNT PULLED AMOUNT PULLED	23.			CA	ASING RECO	RD (Rep	ort all sti	ring	s set in	well)				
24. LINER RECORD 25. TUBING RECORD 25. TUBING RECORD 25. TUBING RECORD 27. SIZE DEPTH SET PACKER SET 278" 5138" 278" 278" 5138" 278			GHT LB./FT.	100	DEPTH SET		LE SIZE				CORD	Al	MOUNT PULLED)
24. LINER RECORD SCREEN SIZE DEPTH SET PACKER SET 25. TUBING RECORD 26. Perforation record (interval, size, and number) 26. Perforation record (interval, size, and number) 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. 28. PEPTH INTERVAL 29. AMOUNT AND KIND MATERIAL USED 29. STORM SACKS CEMENT SQUEEZE, ETC. 29. Disposition of Test 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. 29. Disposition of Gas (Sold, wsed for fuel, vented, etc.) 29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold 30. List Attachments C-104; C102 31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and beltef Printed Name Brenda Coffman Title Sr. Regulatory Comp. SpecialsDate 12/14/2006					z'			\rightarrow			207 0 (
SIZE TOP BOTTOM SACKS CEMENT CALL SCREEN SIZE DEPTH SET PACKER SET 2 7/8" 5138' 5138	3 1/2	10.5#		332	3	1 110			120 5x 0	U/3U F	- UZ Q (<u> </u>		
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pump 80867# 16/30 Wh sd, tail w/2000# 16/30 RC siberprop 28 PRODUCTION Date First Production 10/23/2006 Date of Test 11/23/2006 Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2" x 1 3/4" x 24' RHBC pump Date of Test 11/23/2006 Prod For Test Period 70 Signature Prod Size Prod For Test Period 70 Test Water - Bbl. Oil Gravity - API - (Corr.) Test Witnessed By Sold 30. List Attachments C-104; C102 Test Witnessed By Signature Title Sr. Regulatory Comp. SpecialsDate 12/14/2006				7.5% r	neFe+40BS;			E	acid. w/1	500ga	als7.5%	%NeFe	e+40BS	
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Date of Test Hours Tested Choke Size Prod'n For Test Period 70 51 147 728		on	Production Me	ethod (F					Well State	is (Prod	l or Shu	t-in)		
Date of Test 11/23/2006 24 Choke Size Prod'n For Test Period 70 51 147 728 Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate 70 51 147 Coil Gravity - API - (Corr.) Flow Tubing Press. Calculated 24-Hour Rate 70 51 147 Test Witnessed By Sold 30. List Attachments C-104; C102 31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief Printed Name Brenda Coffman Title Sr. Regulatory Comp. SpecialsDate 12/14/2006							ypc pq/				. 01 21141	,		
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31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief Printed Signature Name Brenda Coffman Title Sr. Regulatory Comp. SpecialsDate 12/14/2006	30. List Attachmen	ts						_		l				
Printed Name Brenda Coffman Title Sr. Regulatory Comp. SpecialsDate 12/14/2006		h, that the infe	nation al	m L = 41	aidea of this C	- A	1-1	J 1	4 . / 1		,	(1 1· · · ·		
Signature Title Sr. Regulatory Comp. SpecialsDate 12/14/2006	31.1 nereby certi	y inai ine injorn	ration shown (n ooth		s true and c	ompiete to t	ne be	est of my k	nowled	ige and	pelief		
E-mail Address bcoffman@chkenergy.com	Signature	. ·	· · · · · · · · · · · · · · · · · · ·			offman	Title	e Sr	. Regula	itory C	comp.	Specia	alsDate 12/14/	2006
	E-mail Address	bcoffman	@chkenergy.	com										

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southe	astern New Mexico	Northwe	Northwestern New Mexico			
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn "B"			
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"			
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"			
T. Yates	T. Miss	T. Cliff House	T. Leadville			
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison			
T. Queen	T. Silurian	T. Point Lookout	T. Elbert			
T. Grayburg	T. Montoya	T. Mancos	T. McCracken			
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte			
T. Glorieta	T. McKee	Base Greenhorn	T. Granite			
T. Paddock	T. Ellenburger	T. Dakota	Т.			
T. Blinebry	T. Gr. Wash	T. Morrison	T			
T.Tubb	T. Delaware Sand 2029	T.Todilto	Т			
T. Drinkard	T. Bone Springs 5227	T. Entrada	T.			
T. Abo	T. BrCan3861	T. Wingate	Т.			
T. Wolfcamp	Т.	T. Chinle	Т.			
T. Penn	Т.	T. Permian	Т.			
T. Cisco (Bough C)	Т.	T. Penn "A"	T. OIL OR GAS			

			SANDS OR ZONES
No. 1. from	to		to
- · -· -· , · · · · · · · · · ·		RTANT WATER SANDS	
Include data on rate of w	vater inflow and elevation to	which water rose in hole.	
No. 1. from	to	feet	•••••

No. 2, from ______to_______to_______

	From	То	Thickness In Feet	Lithology		From	То	In Feet	Lithology
	0	450	450	Red Beds					
	450	1876	1426	Salt/Anhydrite					
	1876	2029	153	Limestone					
	2029	5227	3198	Sand/Silt/Shale					
	5227	5325	98	Limestone			ļ		
						,			
					İ				
- {	1	1	1	ł	- 1			· ·	

12/18/2006

Wellbore Diagram

r263

ESPERANZA 4 No. 005

30-015-34938-00-00

Company Name: CHESAPEAKE OPERATING, INC.

Location: Sec: 4 T: 22S R: 27E Spot:

Lat: 32.4160288367341 Long: -104.191613165492

Property Name: ESPERANZA 4

County Name: Eddy

String Information

Cement Information

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
99999	99999			

Formation Information

I IIII OI III alioti	
Formation	Depth
Salado	432
Base of Salt	1426
Lamar Limestone	1814
Bell Canyon	2029
Brushy Canyon	3816
Bone Spring	5227
	Salado Base of Salt Lamar Limestone Bell Canyon Brushy Canyon

Hole: Unknown

TD:

TVD: 0

PBTD:

DISTRICT I 1625 N. PRENCE DR., HO DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

Rnergy, Minerals and Natural Resources Departm

OIL CONSERVATION DIVISION OF FRANCIS DR. OCD. ADVED 1220 SOUTH ST. FRANCIS PR. OCD Santa Fe, New Mexico 87505

Form C-102 Revised October 12, 2005 Appropriate District Office State Lease - 4 Copies

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT IV

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name	
3(-15-3493	2.37.46	1 Capaning in a	C. C 2 L. /
Property Code	Proj	perty Name	Well Number
3 3498	ESPE	RANZA 4	5
OGRID No.	•	rator Name	Elevation
<i>(1) (1)</i> (1)	CHESAPEAKE	OPERATING, INC.	3124'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	4	22-S	27-E		553	SOUTH	1650	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section To	wnship	Range Lo	t ldn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or In	ofill Conse	olidation Code	Ore	ler No.				

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

	OPERATOR CERTIFICATION
	I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	Signature Date Printed Name
GEODETIC COORDINATES	SURVEYOR CERTIFICATION I hereby certify that the well location
NAD 27 NME Y=515134.1 N X=543979.0 E	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.
LAT.=32.416137* N LONG.=104.190816* W	MAY 15, 2006 Date Surveyed MR Signature & Seal of Order Professional Surveyor
1650'——	Kanalit Control 5/18/06
	Certificate No. GARY RIDSON 12641 RONALD J. PROSON 3239

WELL NAM	E AND N	IUMBI	ER Esp	eranza	a 4 #
LOCATION	Sectio 4	T22S	R27E	553 I	FSL.

Sectio 4, T22S, R27E, 553 FSL, 1650 FEL, Eddy County

OPERATOR Chesapeake

DRILLING CONTRACTOR United Drilling, Inc.



The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
1 @ 408'	<u>2@ 3188'</u>	***************************************
1-1/4 @ 780'	1-3/4 @ 3405'	
1 @ 1061'	1-1/2 @ 3594'	**
3/4 @ 1561'	1-1/2 @ 3719'	4
1 @ 2055'	1 @ 4121'	
2 @ 2526'	<u>1@ 4585'</u>	444
2-3/4 @ 2965'	<u>1@ 5048'</u>	
2 @ 3057'		······
	Drilling Contractor	UNITED DRILLING, INC.
	Drining Contractor-	10 . /.
	By:	(Luisa Garcia)
	Т41	,
	rue:	Assistant Office Manger
Subscribed and s	sworn to before me this <u> </u>	y of <u>0c+</u> , 2006.
		Aug a Cho
		Notary Public
	_	chaves NM
My Commission Expires:	10-8-08	County State

District I 1625 N. French Dr., Hobbs, NM 88240 District II

1301 W. Grand Avenue, Artesia, NM 882

State of New Mexico
pergy, Minerals & Natural Resources

Oil Conservation Division Conservation

Form C-104 Revised June 10, 2003

District III 1000 Rio Brazo District IV	s Rd., A	Aztec, NM	87410		O:	il Conserva 220 South S	ation Divi St. Franci	SIGNECE SCOT. AF	IVED	428		iii to ripp	5 Copie	
1220 S. St. Fran	ncis Dr.,					Santa Fe, OWABLE	11/11/1 6°83/0	13		$\mathcal{L} = \mathcal{L}(I)$			AMENDED REPOR	
Operator na		d Addre	ss	EST FC	OK ALL	OWABLE	AND XA			GRID Nur		ANSPC	JK1	
2010 Rani Midland,		³ Reason for Filing Code/ Effective Date NW10/23/06												
⁴ API Number 30 -015-34			ool Name Speranza; Delaware 6 Pool Code 22640											
7 Property Code 8 Property Name Esperanza; Delaware						⁹ Well Number 5						er		
II. 10 Surface Loca			ion wnship Range Lot.Id			Feet from the	North/South Line		Feet from the		East/West line		County	
O 4		228		27E		553	South		1650		East		Eddy	
UL or lot no. Section			Location Cownship Range		Lot Idn	Feet from the	ne North/South line		Feet from the				County	
O 4 12 Lse Code 13 Pro					onnection	553 15 C-129 Pe	South mit Number 16		1650 C-129 Effective		East Date 17 C-1		Eddy 29 Expiration Date	
P	P pumping			10/23/2006										
18 Transpor	ter	as Transporters 19 Transporter Name					⁰ POD ²¹ O/G				POD ULSTR Location			
OGRID 034053	and Address Plains Marketing, L.P.					Oil					and Descr	uption		
												. 1-00-10		
	Duke Energy Field Services, L.P.					Gas								
														
]				
IV. Proc	duced	Water	²⁴ POI	O ULSTR	Location	and Description	on							
V. Well	Com			Date	7	²⁷ TD	28 pi	OTD	1	²⁹ Perforat	ions	1	³⁰ DHC, MC	
09/11/2006 31 Hole Siz		²⁶ Ready Date 10/23/2006			5325	5325		²⁸ PBTD 5275		5159 - 5224		24	1946	
11	ze	32 Casing & Tubing Siz 8 5/8			ig Size	33 Depth Set 408				34 Sacks Cement 200sx Cl.C				
7 7/8			5	1/2	T.4 11		5325				1125sx Poz C			
VI. Wel			sta 5 Gas Delivery Date 37 Test Date					38 Test Length 39			ha Drac		⁴⁰ Csg. Pressure	
10/23/200	6	10/23/2006 11/23/20		23/2006	24 hrs.			³⁹ Tbg. Pressure			Csg. Flessure			
41 Choke Size		⁴² Oil 70			147			⁴⁴ Gas 51		⁴⁵ AOF			46 Test Method cumping	
⁴⁷ I hereby cer been complied complete to the	d with	and that	the info	rmation gi	iven above				OIL	. CONSEF	RVATIO	N DIVISI	ON	
Signature:							Approved by: BRYAN G: ARRANT Title: DISTRICT II GEOLOGIST							
Printed name: Brenda Coffman Title:							Approval Date: DISTRICT II GEOLOGICAL Approval Date:							
Sr. Regulatory Comp. Specialst E-mail Address:							Approvar					1		
Date: 12/14/2006 Phone: (432)687-2992							-						,	
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