District I

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Minerals and Natural Resources

Form C-101 May 27, 2004

District II

1301 W Grand Avenue, Artesia, NM

05/22/2008

District_III

MAY 2 7 2003 1000 Rio Brazos Road, Aztec, NM 87410 District IV

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

Submit to appropriate District Office

☐ AMENDED REPORT

1220 S St Fr	ancis Dr , S	anta Fe, NM	MOC	1C (a Bill	Santa									
APP	LICAT	<u>IONFO</u>	Operator Name	Pro D		RE-I	ENTE	ER, DI	EEPE:	- 1	BAC	K,OR A	DD A ZON	<u>E</u>	
Chesapeak	e Operati	ing, Inc.	•		ess					147179			· · · · · · · · · · · · · · · · · · ·		
P.O. Box	18496 Ok	lahoma C	ity, OK 7315	1-0496						30.025	-36391	³API Numbo		_	
¹ Prope	ertyCode				5 [Property N									
300164	/		Hornet S	State			1 /								
Wildcat; S	an Andre		Proposed Pool 1							Į a	Propose	ed Pool 2			
					⁷ Sı	ırface]	Locat	ion							
UL or lot no	Section 3	Township 19S	Range 34E	Lot	Idn	Feet fro 760'			outh line	Feet from th	-	East/Westline West	County Lea		
			8 Prope	osed Bott	tom Hol	le Locat	ion If I	Differe	nt From	Surface					
UL or lot no	Section	Township	Range	Lot		Feet fio			South line	Feet from th	e	East/Westline County			
	1			Ac	dditior	nal We	II Info	rmati	on	1			·		
11 Work	Type Code		12 Well Type Co			13 Cable				Lease Type Co	de	" G	round Level Elevation	n	
y r	, 	0			С				S			4002'			
No 16 N	fultiple	700	17 Proposed Dep O'	oth	San A	18 Form	nation		TBA	¹⁹ Contractor		05/	²⁰ Spud Date 26/2008		
Depth to Grou	undwater			Distanc	cefrom ne	arest fresl	n water v	vell		Distance	e from no	earest surface	water		
Pit. Liner	Synthetic	n	ulsthick Clay] Pit Vol	lume	bbls		Drıllı	ngMetho	d.		,			
Close	xd-Loop Syst	em 🛚					Fresh Water Brine Diesel/OI-based Gas/Air								
			2	Propo	sed Ca	ising a	nd Ce	ment	Progra	ım					
Hole S	Size	Ca	sing Size		ng weight/		Setting Depth Sacks of Cement Estimated TOC								
17 1/2"		13 3/8"		48#			911' 800 sxs.				Sur	Surface			
12 1/4"		8 5/8"		32#						2150 sxs.	2150 sxs. Surface				
7 7/8"		5 1/2"		17.5#	7.5#		13,80	13,800'		1950 sxs.		197	1970'		
					· ·										
Describe the Chesapeak Please find San Andres Steel work	blowout pre e Operation the recorest and site ing pits w	vention proging, Inc. re ing, Inc. re inpletion p map. ill be usec	gram, if any Use psectfully requoted ure, NM in the re-con	additional uest reco	sheets if and on the sheets if and the sheets if a sheet she	this we 102, we	ll bore	per the	e attach	ed procedur	e.		ew productive zoi		
NMOCD F	orm C-14	4 is also a	attached.												
			A \$7	m	A	1									
			es 2 Years			AST									
	`. D	ate Uni	ess Drilling	-Under	rway										
			Plugh	soct	K										
			given above is tr				OIL CONSERVATION DIVISION								
constructed	according t	o NMOCD	r certify that the guidelines 🔯, a proved plan 🗀.				Appro	ved by	1	1: 118	111.	-			
			7	a W	1/	6.	Title OC DISTRICT SUPERVISOR/GENERAL AAANAA CER								
Printed name				~ Y/	rxer	· •	B.C. B. L.								
Title.			Specialist				Appro	val D ate	AY Z	: 8 200€	Exp	iration Date			
E-mail Addre	ess linda.w	veeks@ch	k.com												
Date: 05/	22/2008		Phone.	405)879	-6854		Conditions of Approval Attached								

(405)879-6854

*District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III

1000 Rio Brazos Rd., Aztec, NM 87410

30-025-36391

300164

147179

Property Code

OGRID No.

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATIONDIVISION
1220 South St. Francis Dr.

Property Name

Operator Name

Pool Code

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

Fee Lease - 3 Copies

Well Number

Elevation

4002'

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

'API Number

Hornet State

Chesapeake Operating, Inc.

Santa Fe, NM 87505

Santa Fe, NM 87505

MELL LOCATION AND ACREAGE DEDICATION PLAT

Wildcat; San Andres Oil

					¹⁰ Surface	Location			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	3	19S	34E		760'	North	660'	West	Lea
	l		11 Bc	ttom Ho	le Location I	f Different Froi	m Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line		East/West line	County
" Dedicated Acres	s "Joint or	r Infill "C	Consolidation (Code "Or	der No.			'	
No allowable	will be ass	signed to th	nis completi	on until al	l interests have	been consolidated	or a non-standar	d unit has been ap	proved by the
1,01							I hereby certify the best of my working interes	PERATOR CERT that the information contained knowledge and belief, and that to st or unleased mineral interest in	herem is true and complete to his organization either owns a i the land including the
660'							pursuant to a c	om hole location or has a right to contract with an owner of such a rry pooling agreement or a comp ared by the division	mmeral or working interest, nulsory pooling order
							Signature Linda W Printed Name	Ja Ylee /eeks-Reg. Comp	Date
					,		I hereby c was plotte me or una	VEYOR CERT ertify that the well local and from field notes of a ler my supervision, and to the best of my be	ation shown on this p actual surveys made t d that the same is tru
							Date of Sur Signature a	nd Seal of Professional S Lase ref sinal pl	urveyor er To 9 T

Current Wellbore Schematic

HORNET STATE 1

Field:

LARICA MORROW EAST LEA

County:

State: NEW MEXICO

Elevation: GL 4,002.00 KB 4,023.00

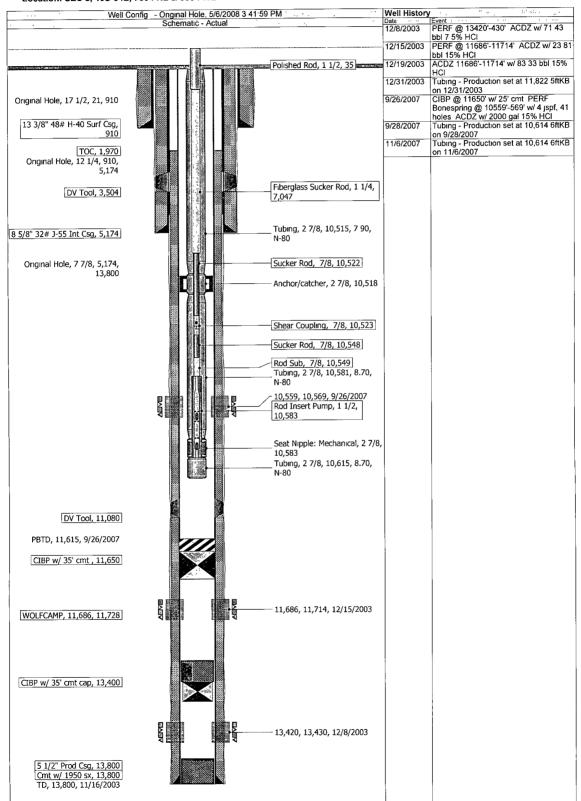
KB Height: 21.00

Location: SEC 3, 19S-34E, 760 FNL & 660 FWL

Spud Date: 9/13/2003 Initial Compl. Date: API #: 3002536391 CHK Property #: 890673 1st Prod Date: 1/7/2004 PBTD: Original Hole - 11615.0

TD: 13,800.0

Report Printed: 5/6/2008



Page 1/1



Hornet State 1 San Andres Re-Completion Lea County, New Mexico

Well Information

Location:

760' FNL & 660' FWL Sec. 3-T19S-R34E

Prod. Casing:

5-1/2", 17.5# casing 0-13,800', ID-4.892", Drift-4.767", Burst-7,740#, DV tool a

11,080', TOC @ 1,970'

Tubing:

2-7/8", N-80 production tubing with TAC set at 10,518' and SN at 10,583'

1-1/2" insert pump with 7/8" rod string

PBTD/TD:

11,650' / 13,800'

Existing Perfs:

10,559' - 10,569' E

Bone Springs

11,686' - 11,714'

Wolfcamp (below CIBP & 35' cmt at 11,650')

13,420' - 13,430'

Morrow (below CIBP & 35' cmt at 13,400')

Procedure

1. Safety meetings are to be held prior to each day as well as prior to each major operation.

- 2. Prepare location. MIRU workover rig. TOH with 7/8" rod string and 1-1/2" insert pump, LD.
- 3. ND WH. NU BOP. Unset TAC set at 11,518' and TOH with 2-7/8" production tubing (EOT at 10,615').
- 4. MIRU wireline unit. PU and RIH with 5-1/2" CIBP and set at 10,520', POH. RIH with dump bailer and dump 35' cement on top of CIBP set at 10,520', POH. RIH and set 5-1/2:" CIBP at ~7,000', POH. RIH with dump bailer and dump 35' cement on top of CIBP set at 7,000', POH. Pressure test plugs to ensure they are set and holding.
- 5. RIH and perforate San Andres as follows:

San Andres	5,680' - 5,698'	18'	4 SPF	72 holes
San Andres	5,632' - 5,642'	10'	4 SPF	40 holes
	5,632' - 5,698'	28'	4 SPF	112 holes

Correlate to original OH logs run in 2003. RDMO wireline unit.

- 6. TIH w/ 2-7/8" work string and 5-1/2" treating packer to bottom perf 5,698' and spot 15% HCl acid across San Andres perfs (5,632' 5,698'). PUH and set packer at 5,550'.
- 7. RU frac service. NU frac valve, test lines and backside. Spearhead with acid and frac San Andres (5,632' 5,698') with 30,000# 16/30 sand (tail in with resin coated sand to prevent flowback) and frac gel via 2-7/8" tubing as per frac design. Frac design/schedule will be sent separate from this procedure once finalized with service company. SI well and record ISIP-5 min-10 min-15 min pressures.
- 8. Close frac valve. RDMO frac service equipment. Open well and flow back to open top tank until dead monitor fluid volumes recovered. SI well.
- 9. Unset 5-1/2" treating packer and TOH with packer and 2-7/8" tubing. LD packer.
- 10. PU BHA, SN, 2-7/8" tubing and TAC and RIH to 5,600' and set.
- 11. ND BOP. NU WH. RIH with rod string and 1-1/2" pump and land in SN set at 5,600'. NOTE: rod design will be sent separate from this procedure and once a better estimate of production volumes is obtained.
- 12. Load and test well. Turn well over to production.
- 13. RDMO workover rig. Clean location.

Schlumberger

Company: CONCHO RESOURCES INC.

Hornet State No. 1 Larica, East (Morrow) Field

Field: County: State: New Mexico

				ci		PLATFORM EXPRESS Three Detector Litho Density										
	arica, East (Morrow) Field			CONCHO RESOURCES INC.												
	Ow)	Ă M	_	ğ		Com	Compensated Neutron / Gamma Ray									
	Mor	Ö	ė.	ಜ್ಞ		760' FNL & 660' FWL						Elev.:	K.B.	4023 ft		
	st (l	ž	ate	뿐	احا	Section	Section 3, Township 19 S, Range 34 E						G.L.	4002 ft		
	щ,	~ 	ί̈ς	오	ē								D.F. 4022 ft			
۱ _	ğ		ruet	2	S	Perma	Permanent Datum: GROUND LEVEL					Elev.: 4002 ft				
٦	Lead Larica, East (Morrow 760' FNL & 660' FWL 760' FWL 8 660' FWL									Y BUSI		21.0 ft above Perm. Datum				
l				<u>:</u>			g Measur			LY BUSH		21.0 1	40010) / CITAL D	alom	
Ì≥	٠	Location:		Sompany:	L	Dinan	y ivieasur	eu Fiulli	_ ACLI	_ i buor	11110					
County:	Field:	Š	Well:	Ψc			API Sei	ial No.		Section		Township			ange	
_		_		_	L	_	30-025				3	198	3	3	4 E	
	Loggin)				16-Nov-	2003							
1	Run Number								ONE							
	Depth			- 5			-		13796 ft							
	Schlun							13810 ft 13790 ft								
Bottom Log Interval Top Log Interval								5150 ft	l .							
Casing Driller Size @ Depth						ന Depti	h	8.625 in		@	5164 ft			@		
	Casing							5150 ft								
	Bit Siz							7.875 in	l							
-	Type F	بإيرا	d In	Ho	ļ9				Polymer							
۵	Densi	ity			_	Viscosity	<i>t</i>	10.7 lbm/gal 42 s								
II₹	Fluid	Los	SS			PH		6.8 cm3		10				1		
1	Source	ce (Ot S						ion Tank							
I						mperati		0.072 0		<u>@</u>	62 degF	· · · · · · · · · · · · · · · · · · ·				
RMF @ Measured Temperature								0.072 o	nm.m	@	62 degF					
RMC @ Measured Temperature						rempera	11018	@ Rmf=Rm (Calculated)				72.1.		<u>@</u>		
Source RMF RMC RM @ MRT RMF @ MRT							MRT	0.028	@ 169		@ 169		@		@	
Maximum Recorded Temperatures								169 de		5,525	<u> </u>	<u> </u>	<u> </u>	 	<u> </u>	
Circulation Stopped Time								15-Nav-2003 18:00						٠	<u> </u>	
	Logge		_	<u> </u>	<u> </u>	1	Time	16-Nov	-2003		7:01					
	Unit N					Loca	tion	3125 Hobbs, New Mexico								
Recorded By								Miguel Martinez								
Witnessed By								Jim Linsley, Ted Gawloski, Dale Lilbinski								

