District I

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Avenue, Artesia, NM 88210

District III

State of New Mexico

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1000 South St. Ex

Form C-102 Revised October 15,2009 Submit one copy to appropriate District Office

1000 Rio Brazos Rd., Aztec, NM 87410		1220 South St. Francis Dr.						D	EOENT	-5
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1220 S. St. Francis Dr., Santa Fe, NM 87505								ı	ALIC 9 A 201	0
WELL LOCATION AND ACREAGE DEDICATION PLAT										U
¹ APi Number			² Pool Code ³ Pool Name					NIM		-61
9		96100	970	103 SV	VD; D elaware C	HERRY C	ANYOR	IAIAI	OCD Anii	-01/
ode	⁵ Property Name							⁶ Well Number		7
,	Pogo 36 State							2		
OGRID No.				⁸ Operator Name						1
	Chesapeake	e Operating, Inc. 3044								
				¹⁰ Surface	Location					_
Section	Township	Range	Lot Idn	Feet from th	North/South line	Feet from the	East/West line (Count	У
36	25S	29E		990'	South	330'	West		Eddy	
		¹¹ Bot	tom Hol	e Location	If Different Fro	m Surface	,			
Section	Township	Range	Lotidn	Feet from th	ne North/South line	Feet from the	East/	West line	Count	У
		į								
¹³ Joint o	Infill 14 Cor	solidation	Code 15 Or	der No.						7
			R-	Order Pendin	g					
	Section	Pogo 36 St. Section Township Section Township	Pogo 36 State Chesapeake Operation Section Township Range 36 25S 29E Section Township Range	Dr., Santa Fe, NM 87505 WELL LOCATION	Santa Fe, No. 87505 WELL LOCATION AND AC WELL LOCATION AND AC Property Pogo 36 State Chesapeake Operating, Inc. 10 Surface Section Township Range Lot Idn Feet from the Section Township Range Range Lot Idn Feet from the Section Range Ran	Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION SWD; Delaware Carrollo SwD; Delawa	Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLA PI Number Pogo 36 State Chesapeake Operating, Inc. 10 Surface Location Section Township Range Lot Idn Feet from the North/South line Feet from the 36 258 29E 990' South 330' 11 Bottom Hole Location If Different From Surface Section Township Range Lot Idn Feet from the North/South line Feet from the North/South line Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line In North/South line In North/South line In North/South line In North/	Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT WELL LOCATION AND ACREAGE DEDICATION PLAT Political	Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT Proposition of the property Name of the property Na	Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT PI Number Pogo 36 State Swp; Delaware CHERRY CANYON NMOCD ARTE Well Number Pogo 36 State Sproperty Name Chesapeake Operating, Inc. Section Township Range Lot Idn Feet from the South 330' West Eddy 10 Surface Location If Different From Surface Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County The North Pole Location If Different From Surface Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County The North Pole Location If Different From Surface Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County The North Pole Location Idn Feet from the North/South line Feet from the East/West line County The North Pole Location Idn Idn Feet from the North/South line Feet from the East/West line County The North Pole Location Idn Idn Feet from the North/South line Feet from the East/West line County The North Pole Location Idn Idn Feet from the North/South line Feet from the East/West line County The North Pole Location Idn Idn Idn Idn Idn Idn Idn Idn Idn Id

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 heretofore entered
			by the division
			08/19/2010
			Signature Date
			Day Award
	•		Bryan Arrant Printed Name
			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
330' -			Ogradica in Sear of Professional Surveyor
, .			
∥			Please refer to original Plat
			,
066			
			Certificate Number
			·

Pogo 36 State 2 Eddy County, New Mexico Re-enter and Convert to SWD Procedure

Date: April 14, 2010

Location: 990' FSL & 330' FWL Sec. 36-T25S-R29E

Casing: 5 1/2" 15.5# K-55 0-5,900' ID - 4.950", Drift - 4.825", Burst - 4,810 psi

PBTD/TD: 0'/5,900'

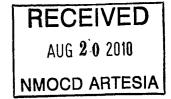
Current Perfs: Bell Canyon 3,262-84' (below CIBP)

Brushy Canyon 5,680-5,710 (below CIBP)

Propose Perfs: Cherry Canyon 4180-5115'

Recommended Procedure:

- Dig out casing and secure casing stub. MIRU PU. NU BOP. Unload, rack and tally 2 7/8" L-80 work string.
- 2. RIH w/ 4 3/4" bit and drill collars on tbg. Drill out cement plugs to CIBP @ 3,212'. Drill out CIBP's @ 3,212', and 3,450'. Continue to clean out to cement on top of CIBP @ 5,350'. Do <u>not</u> drill out CIBP @ 5,350'. POH w/ bit.
- 3. RIH w/ cement retainer on tubing. Set retainer at 3,200'. Shear off the retainer, and sting back into it. Establish injection into perfs 3,262-84'. Squeeze off perfs 3,262-84' per squeeze recommendation. Sting out of retainer and POH w/ tubintg.
- RIH w/4 3/4" bit and drill collars on tubing. Drill out cement retainer and cement down to 5,350'.
 Pressure test squeeze to 500 psi. POH w/ bit.
- 5. RU wireline co. Perforate Cherry Canyon 5060-5115', 1 spf w/ HSC gun.
- RIH packer on 2 7/8" tbg to 4,900'. Acidize perfs 5060-5115' w/ 5,000 gal 15% NEFE acid. Frac
 perfs per frac recommendation (anticipate 50,000# sand in X-linked fluid at 30 BPM). POH w/
 packer.
- 7. RU wireline co. Set Composite BP @ 5,000'. Perforate Cherry Canyon 4590-4610', 4630-56', 4,710-80' 1 spf w/ HSC gun.
- 8. RIH packer on 2 7/8" tbg to 4,500'. Acidize perfs 4590-4780' w/ 5,000 gal 15% NEFE acid dropping 175 perf balls evenly throughout job. Release packer and drop down through perfs and knock off balls. Pull packer back up to 4,500'. Frac perfs per frac recommendation (anticipate 50,000# sand in X-linked fluid at 30 BPM). POH w/ packer.
- RU wireline co. Set Composite BP @ 4,500'. Perforate Cherry Canyon 4180-4210', 4240-70', 4,310-30' 1 spf w/ HSC gun.
- 10. RIH packer on 2 7/8" tbg to 4,100'. Acidize perfs 4180-4330' w/ 5,000 gal 15% NEFE acid dropping 120 perf balls evenly throughout job. Release packer and drop down through perfs and knock off balls. Pull packer back up to 4,100'. Frac perfs per frac recommendation (anticipate 50,000# sand in X-linked fluid at 30 BPM). POH w/ packer.
- 11. RIH w/4 3/4" bit and drill collars on tubing. Drill BP's @ 4,500' and 5,000'. Cleanout to 5,350'. POH w/ bit.
- 12. RIH w/ 2 3/8" plastic lined tbg and 5 ½" Lock-set packer to 4,150'. Load back side with packer fluid. Set packer and pressure test to 500 psi.
- 13. ND BOP. NU WH. Rig down.



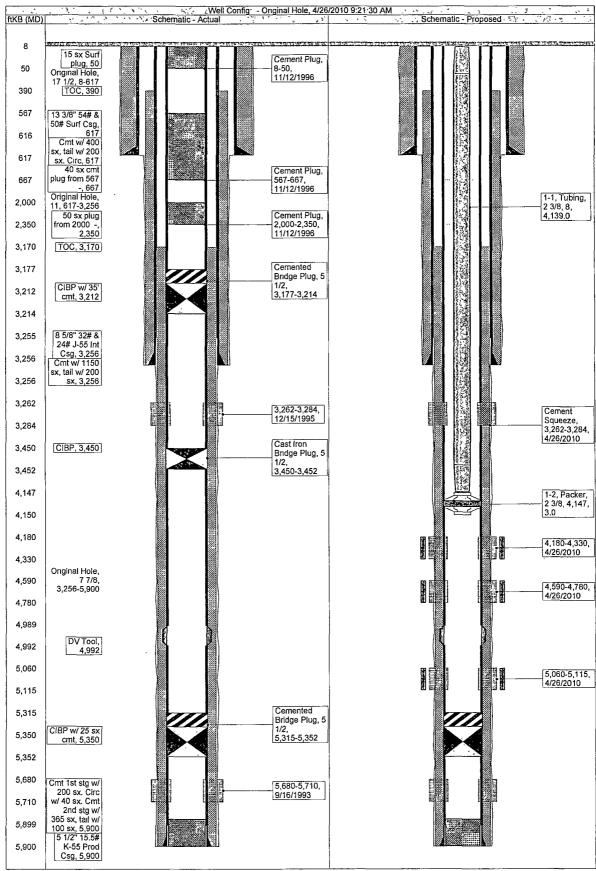
WORKOVER PROPOSAL WBD

WELL: Pogo 36 State 2

FIELD: North Brushy Draw Delaware COUNTY / STATE: EDDY / NEW MEXICO LOCATION: SEC 36-25S-29E 990 FSL & 330 FWL

ELEVATION: 3,044.00 GR 3,052.00 RKB

API: 3001527399 SPUD DATE: 8/24/1993



Page: 1/1

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