

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0730

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101
Revised November 14, 2012

RECEIVED

MAY 02 2013

NMOC D ARTESIA

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 229137
		³ API Number 30-015-34285
⁴ Property Code 308104	⁵ Property Name Zebu State	⁶ Well No. 1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
E	2	21S	24E		3656	N	800	W	Eddy

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

⁹ Pool Information

¹⁰ Pool Name Deadman Draw	¹¹ Well Name Wildcat, Bone Spring	¹² Pool Code 97443
---	---	----------------------------------

Additional Well Information

¹³ Work Type P	¹⁴ Well Type O	¹⁵ Cable/Rotary N/A	¹⁶ Lease Type S	¹⁷ Ground Level Elevation 3816'
¹⁸ Multiple No	¹⁹ Proposed Depth N/A	²⁰ Formation Morrow	²¹ Contractor N/A	²² Spud Date ASAP
²³ Depth to Ground water		²⁴ Distance from nearest fresh water well		²⁵ Distance to nearest surface water

²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Cond	18 1/2"	16"	65#	175'	In Place	0
Surf	14 3/4"	13 3/8"	52.5#	290'	In Place	0
Int	12 1/4"	9 5/8"	36#	1504'	In Place	0
Prod	8 3/4"	5 1/2"	17#	10250'	In Place	

Casing/Cement Program: Additional Comments

--

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

Stormi Davis

Printed name: Stormi Davis

Title: Regulatory Analyst

E-mail Address: sdavis@concho.com

Date: 5/1/13

Phone: 575-748-6946

OIL CONSERVATION DIVISION

Approved By:

RR Dade

Title:

DIST II SUPERVISOR

Approved Date: 5/15/2013

Expiration Date: 5/15/2015

Conditions of Approval Attached

Must be in compliance w/ rule 5.9 before producing

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34285		² Pool Code 97443	³ Pool Name Deadman Runway Wildcat; Bone Spring
⁴ Property Code 308104	⁵ Property Name Zebu State		⁶ Well Number 1
⁷ OGRID No. 229137	⁸ Operator Name COG Operating LLC		⁹ Elevation 3816' GR


¹⁰ Surface Location

UL or lot no. E	Section 2	Township 21S	Range 24E	Lot Idn	Feet from the 3656	North/South line North	Feet from the 800	East/West line West	County Eddy
---------------------------	---------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	-----------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order 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.

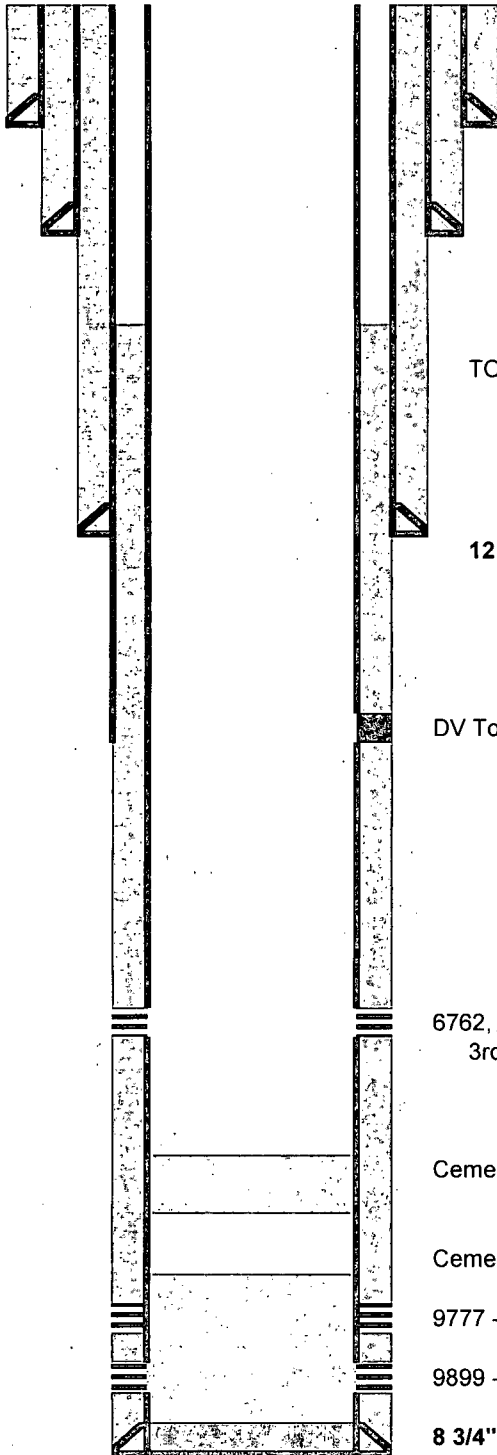
16	Lot 4	Lot 3	Lot 2	Lot 1	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom 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.</i>  5/1/13 Signature Date Stormi Davis Regulatory Analyst Printed Name sdavis@concho.com E-mail Address
	Lot 5 3656'	Lot 6	Lot 7	Lot 8	
	Lot 12 800'	Lot 11	Lot 10	Lot 9	
	Lot 13	Lot 14	Lot 15	Lot 16	
					¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: REFER TO ORIGINAL PLAT Certificate Number

Procedure:

- 1) Ensure all permits and plug back procedure have been received
- 2) Test anchors if necessary
- 3) MIRU
- 4) Pull rods
- 5) Kill well if necessary.
- 6) Remove wellhead & install BOP.
- 7) Pull tubing and visually inspect. If necessary, utilize workstring
- 8) TIH with tubing open ended
- 9) Spot Class H cement mixed at 16.4# gal from 9955 – 9700
- 10) Circulate well clean
- 11) Spot Class C cement mixed at 14.8# gal from 7170 – 7050' (Top of Wolfcamp at 7050' but bottom shot is at 6975')
- 12) Circulate well clean
- 13) Pressure test casing to 8000 psi
- 14) Run GR/CCL/CBL from 7050' to 200' above TOC with 500 psi on casing
- 15) Perforate 3rd Bone Spring @ 6975' (12 holes), 6867' (14 holes), 6826' (10 holes) and 6762' (10 holes) w/6 spf, 60° phasing utilizing Halliburton openhole log dated 11/14/05.
- 16) TIH w/tubing & packer. Spot acid across perfs. Set packer at 6700'
- 17) Acidize zone with 3000 gallons 15% HCl at 3 – 5 BPM
- 18) Shut-in 1 hour & flow back
- 19) Pull tubing and packer
- 20) Set frac valve & prepare for frac.
- 21) Frac well utilizing attached procedure.
- 22) Shut-in well for 24 hours
- 23) Flow well back until dead.
- 24) TIH with tubing and check for sand. TOH
- 25) TIH with tubing & rods.
- 26) Place well on test

Author:	Stroup	
Well Name	Zebu St	Well No. #1
Field	Wildcat	API #: 30-015-34285
County	Eddy	Prop #:
State	New Mexico	Zone: Bone Spring
Date	4/26/2013	
GL	3816'	
KB	3833'	

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	16	H50	65	175	300	Surface
Inter Csg	13 3/8	H40	52.5	290	400	Surface
Inter Csg	9 5/8	J55	36	1,504	650	Surface
Prod Csg	5 1/2	P110	17	10,250	2250	???



18-1/2" Hole
 16" (H50 - 65#) @ 175' w/300 sx
 TOC @ surface

PROPOSED

14-3/4" Hole
 13-3/8" (H40 - 52.5#) @ 290' w/400 sx
 TOC @ surface

TOC @ ???

12 1/4" hole
 9-5/8" (J55 - 36#) @ 3384' w/1650 sx
 TOC @ surface

DV Tool @ ???' w/1650' sx

6762, 6826, 6887, 6975
 3rd Bone Spring

Cement 7050 - 7170

Cement 9700 - 9955

9777 - 9783'

Morrow

9899 - 9905

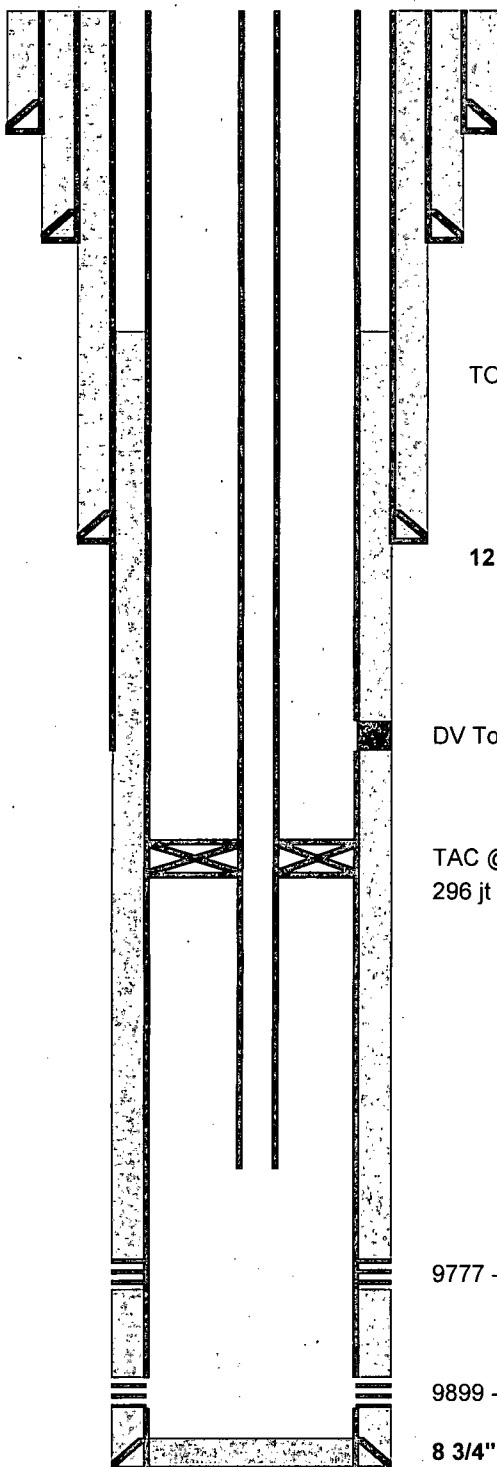
8 3/4" hole

5-1/2" (P110 - 17#) @ 10250' w/600 sx

TD @ 10250'

Author:	Stroup	Well No.	#1
Well Name	Zebu St	API #:	30-015-34285
Field	Cemetery	Prop #:	
County	Eddy	Zone:	Morrow
State	New Mexico		
Date	4/26/2013		
GL	3816'		
KB	3833'		

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	16	H50	65	175	300	Surface
Inter Csg	13 3/8	H40	52.5	290	400	Surface
Inter Csg	9 5/8	J55	36	1,504	650	Surface
Prod Csg	5 1/2	P110	17	10,250	2250	???



18-1/2" Hole

16" (H50 - 65#) @ 175' w/300 sx
TOC @ surface

CURRENT

14-3/4" Hole

13-3/8" (H40 - 52.5#) @ 290' w/400 sx
TOC @ surface

TOC @ ???

2-3/8" L80 Tbg - 329 jts

12 1/4" hole

9-5/8" (J55 - 36#) @ 3384' w/1650 sx
TOC @ surface

DV Tool @ ???' w/1650' sx

TAC @ 9656'
296 jt 2 3/8" L80

9777 - 9783'

Morrow

9899 - 9905

8 3/4" hole

5-1/2" (P110 - 17#) @ 10250' w/600 sx

TD @ 10250'