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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 30-025-44518		2 Pool Code 44500		3 Pool Name Maljamar; Yeso, West	
4 Property Code 320822		5 Property Name SHOVEL HEAD FEDERAL COM			6 Well Number 18H
7 GRID NO. 229137		8 Operator Name COG OPERATING, LLC			9 Elevation 4090'

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
P	5	17S	32E		330	SOUTH	200	EAST	LEA

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
N	3	17S	32E		358	SOUTH	2528	WEST	LEA

12 Dedicated Acres 200	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION (SL) 330'-FSL/200'-FEL (SEC. 5) N 676071.3 - E 711040.5 LAT: 32.8573223° N LONG: 103.7806828° W LAT: 32°51'26.3607" N LONG: 103°46'50.4576" W KICK OFF POINT (KOP) 354'-FSL/469'-FEL (SEC. 5) N 676094.2 - E 710771.8 LAT: 32.8573223° N LONG: 103.7806828° W LAT: 32°51'26.6013" N LONG: 103°46'53.6065" W MD = 5,150.00 / TVD = 5,133.93 FIRST TAKE POINT (FTP) 354'-FSL/147'-FWL (SEC. 4) N 676096.8 - E 711387.1 LAT: 32.8573875° N LONG: 103.7795534° W LAT: 32°51'26.5949" N LONG: 103°46'46.3923" W MD = 6,116.00 / TVD = 5,780.84 LAST TAKE POINT (LTP) 360'-FSL/2378'-FWL (SEC. 3) N 676124.7 - E 718890.7 LAT: 32.8573536° N LONG: 103.7551179° W LAT: 32°51'26.4728" N LONG: 103°45'18.4246" W MD = 13,624.00 / TVD = 5,768.57 BOTTOM HOLE (BH) 358'-FSL/2528'-FWL (SEC. 3) N 676123.5 - E 719042.7 LAT: 32.8573481° N LONG: 103.7546230° W LAT: 32°51'26.4533" N LONG: 103°45'16.6428" W MD = 13,776.00 / TVD = 5,768.11 CORNER DATA NAD 83 GRID - NM EAST A: FOUND 1 1/2" IRON PIPE N 675723.3 - E 705965.0 B: FOUND BRASS CAP "1913" N 678363.7 - E 705942.4 C: FOUND BRASS CAP "1913" N 681002.8 - E 705922.6 D: FOUND BRASS CAP "1913" N 681021.0 - E 711201.1 E: FOUND BRASS CAP "1913" N 681029.9 - E 713837.2 F: FOUND BRASS CAP "1913" N 681039.6 - E 716477.9 G: FOUND BRASS CAP "1913" N 681058.7 - E 721757.3 H: FOUND BRASS CAP "1913" N 678409.3 - E 721771.1 I: FOUND BRASS CAP "1913" N 675771.1 - E 721786.3 J: FOUND BRASS CAP "1913" N 675765.3 - E 719150.6 K: CALCULATED CORNER N 675762.5 - E 716516.5 L: FOUND PK NAIL N 675742.1 - E 711243.8 M: FOUND BRASS CAP "1913" N 678382.0 - E 711216.6 N: FOUND BRASS CAP "1913" N 678400.1 - E 716493.9 CALCULATED POINTS 1: N 675737.4 - E 709924.1 2: N 677057.4 - E 709912.0 3: N 677062.0 - E 711230.2 4: N 677081.3 - E 716505.2 5: N 677085.0 - E 719142.4 DETAIL "A" 4091.8' 600' 4097.5' 600' O.S.L. 4084.9' 4090.6'	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 therefore entered by the division. 12/10/18 Signature: <i>[Signature]</i> Date: _____ Printed Name: Robyn M. Russell E-mail Address: Russell@concho.com 18 SURVEYOR 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. 8-31-2017 Date of Survey Signature and Seal of Professional Surveyor: <i>[Signature]</i> 19680 Certificate Number AS_DRILL 12/6/18 Job No.: LS1708561R
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