

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029406B
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address 600 W. ILLINOIS AVENUE MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-685-4385		8. Well Name and No. SHOVEL HEAD FEDERAL COM 28H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T17S R32E SESE 450FSL 230FEL		9. API Well No. 30-025-44519
		10. Field and Pool or Exploratory Area MALJAMAR; YESO, WEST
		11. County or Parish, State LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COG Operating LLC respectfully requests to change the surface hole location of this well:

FROM: 450' FSL 230' FEL, Sec 5, 17S, 32E, Unit P
TO: 360' FSL 201' FEL, Sec 5, 17S, 32E, Unit P

This move is needed due to a rig change. Attached is the revised plat.

WDD 3/29/2018

14. I hereby certify that the foregoing is true and correct. Electronic Submission #409679 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs	
Name (Printed/Typed) ROBYN RUSSELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 03/29/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>Capt. A. Lyster</i>	Title <i>AFN - L&Y</i>	Date <i>3/29/2018</i>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <i>CFO</i>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED *****KB*

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 30-025-44519		² Pool Code 44500		³ Pool Name Maljamar; Yeso, West	
⁴ Property Code 320822		⁵ Property Name SHOVEL HEAD FEDERAL COM			⁶ Well Number 28H
⁷ OGRID NO. 229137		⁸ Operator Name COG OPERATING, LLC			⁹ Elevation 4090'

¹⁰ Surface Location

UL or lot no P	Section 5	Township 17S	Range 32E	Lot Idn	Feet from the 360	North/South line SOUTH	Feet From the 201	East West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no N	Section 3	Township 17S	Range 32E	Lot Idn	Feet from the 430	North/South line SOUTH	Feet from the 2630	East West line WEST	County LEA
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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.

<p>16</p> <p>GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N 676101.2 - E 711039.5 LAT: 32.8574047° N LONG: 103.7806853° W BOTTOM HOLE N 676195.1 - E 719142.1 LAT: 32.8575435° N LONG: 103.7542980° W</p> <p>GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 676036.8 - E 669861.3 LAT: 32.8572859° N LONG: 103.7801795° W BOTTOM HOLE N 676130.6 - E 677964.0 LAT: 32.8542430° N LONG: 103.7537925° W</p>			<p>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</p>			<p>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</p> <p>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</p>			<p>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 under hereinafter entered by the division.</p> <p>Signature: <i>[Signature]</i> Date: 03/27/18 Printed Name: Robyn M. Russell E-mail Address: Russell@concho.com</p>		
<p>DETAIL "A" 4091.8' 600' 4097.5' 600' S. L. I 4084.9' 4090.6'</p>			<p>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.</p>								
<p>8-31-2017 Date of Survey</p>			<p>Signature and Seal of Professional Surveyor</p>								
<p>19680 Certificate Number</p>			<p>REV: 3/22/18 SHL</p>								
<p>Job No.: LS1708562R</p>											

4091.8'

4092.1'

600'

300'

4096.3'

30'

30'

85'

50'

70'

30'

4094.8'

4092.2'

50'

PROPOSED BATTERY 185'

PROPOSED PAD

SECTION 5

SECTION 4

4097.5'

4096.1'

EXISTING ELECTRIC

600'

LEASE RD

EXISTING PAD

460'

200'

170'

30'

SHOVEL HEAD FEDERAL COM #18H

SHOVEL HEAD FEDERAL COM #28H
ELEV.: 4090'
LAT: 32.8574047° N (NAD83)
LONG: 103.7806853° W (NAD83)

600'

460'

31'

TOPSOIL

4090.8'

4090.3'

30'

370'

4088.2'

CAPROCK BPL FENCE

600'

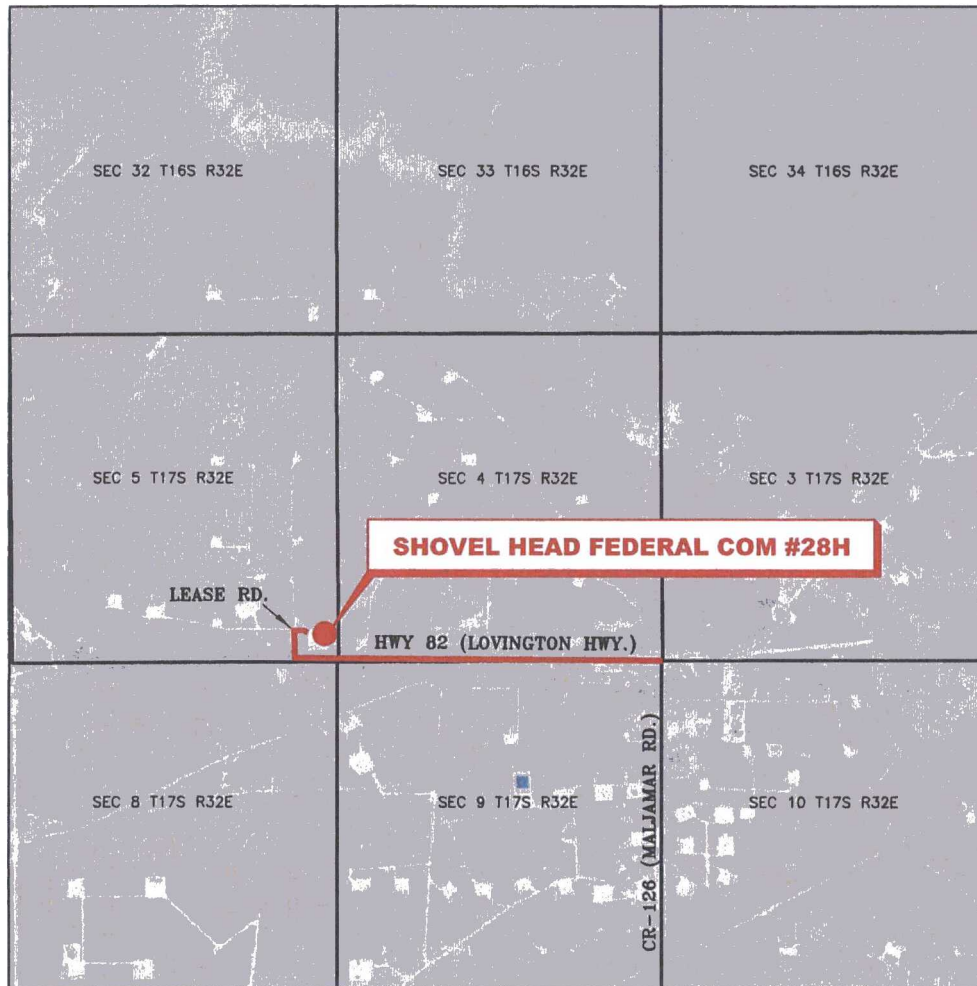
4084.9'

4090.6'

SCALE:	1" = 100'
DATE:	3-22-2018
SURVEYED BY:	AS/BC
DRAWN BY:	LPS
APPROVED BY:	RMH
SHEET :	1 OF 1

VICINITY MAP

NOT TO SCALE



*SECTION 5, TWP. 17 SOUTH, RGE. 32 EAST,
N. M. P. M., LEA COUNTY, NEW MEXICO*

OPERATOR: COG Operating, LLC
LEASE: Shovel Head Federal Com
WELL NO.: 28H

LOCATION: 360' FSL & 201' FEL
ELEVATION: 4090'

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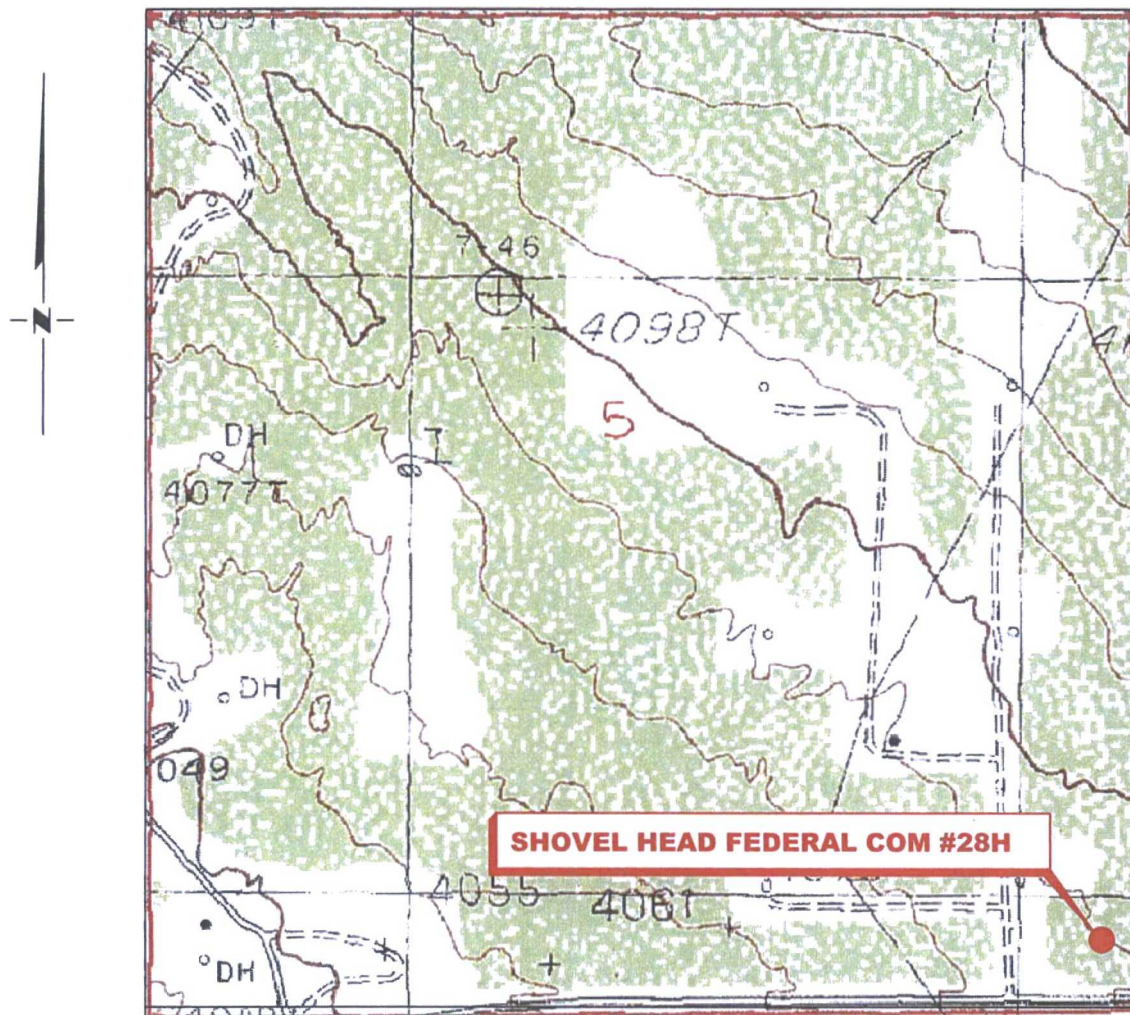
1	SHL	3/18
NO.	REVISION	DATE
JOB NO.: LS1708562R		
DWG. NO.: 1708562LVM		

RRC

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 8-31-2017
SURVEYED BY: BC/BK
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 1

LOCATION VERIFICATION MAP



*SECTION 5, TWP. 17 SOUTH, RGE. 32 EAST,
N. M. P. M., LEA COUNTY, NEW MEXICO*

OPERATOR: COG Operating, LLC
 LEASE: Shovel Head Federal Com
 WELL NO.: 28H
 ELEVATION: 4090'

LOCATION: 360' FSL & 201' FEL
 CONTOUR INTERVAL: 10'
 USGS TOPO. SOURCE MAP:
Maljamar, NM (P. E. 1985)

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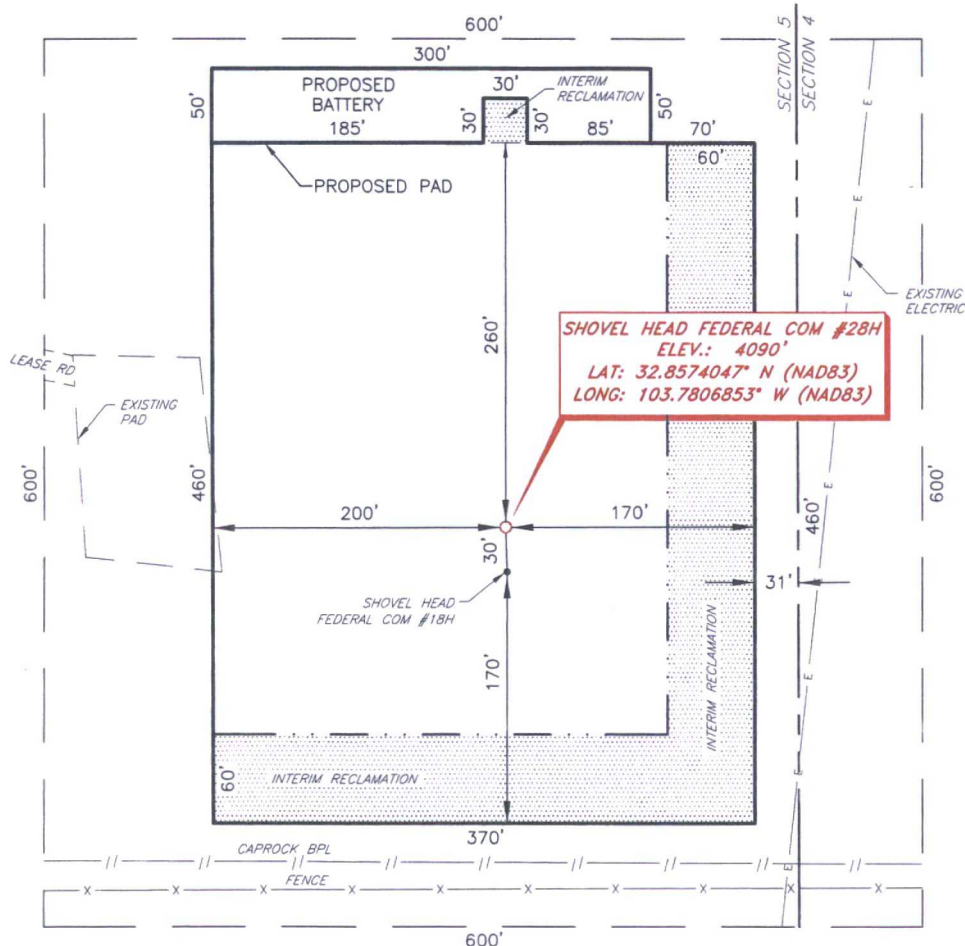
1	SHL	3/18
NO.	REVISION	DATE
JOB NO.: LS1708562R		
DWG. NO.: 1708562LVM		



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 8-31-2017
SURVEYED BY: BC/BK
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 1

**COG OPERATING, LLC
INTERIM RECLAMATION
SHOVEL HEAD FEDERAL COM #28H
(360' FSL & 201' FEL)
SECTION 5, T17S, R32E
N. M. P. M., LEA COUNTY, NEW MEXICO**



DIRECTIONS TO LOCATION

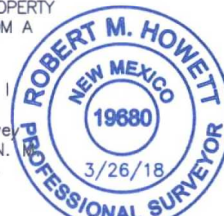
From the intersection of CR-126 (Maljamar Rd.) and HWY-82,
 Go West on HWY-82 approx. 1.1 miles to a lease road on the right;
 Turn right and go North on lease road approx. 480 feet to a lease road
 on the right;
 Turn right and go East on lease road approx. 508 feet to location.

THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY CORNERS AND PROPERTY
 LINES ARE SHOWN FOR INFORMATION ONLY, BOUNDARY DATA IS SHOWN FROM A
 PREVIOUS SURVEY REFERENCED HEREON.

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I
 prepared this unclassified survey of a well location from an actual
 survey made on the ground under my direct supervision, said survey
 and plat meet the Min. Stds. for Land Surveying in the State of N.
 and are true and correct to the best of my knowledge and belief.

Robert M. Howett

Robert M. Howett NM PS 19680



SCALE: 1" = 100'
 0 50' 100'

BEARINGS ARE GRID NAD 83
 NM EAST
 DISTANCES ARE HORIZ. GROUND.

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NO.	REVISION	DATE
JOB NO.:	1708562R	
DWG. NO.:	1708562REC83	

RRC

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE:	1" = 100'
DATE:	3-22-2018
SURVEYED BY:	AS/BC
DRAWN BY:	LPS
APPROVED BY:	RMH
SHEET :	1 OF 1