

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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.*5. Lease Serial No.  
NMNM013814

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

TWELVE PACK FEDERAL COM DBB 1H

2. Name of Operator  
COG OPERATING LLCContact: KELLY J HOLLY  
E-Mail: kholly@concho.com

9. API Well No.

30-015-41099-00-X1

3a. Address  
600 W ILLINOIS AVENUE  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 432.685.438410. Field and Pool, or Exploratory  
LOCO HILLS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T17S R29E Lot 1 330FNL 20FEL

11. County or Parish, and State

EDDY COUNTY, NM

## 12. CHECK 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"/> Fracture Treat   | <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 recomple 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall 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 permission to change the Well # and TVD of this well as follows:

FROM: Twelve Pack Federal Com LBB #1H  
TO: ~~Twelve Pack Federal Com #11H~~

FROM: 5429' TVD; 9894' MD  
TO: 4424' TVD; 9144' MD

OCD 1/15/16  
Accepted for record  
NMOCD

NM OIL CONSERVATION  
ARTESIA DISTRICT

JAN 08 2016

SUBJECT TO LIKE  
APPROVAL BY STATE

RECEIVED

A revised C-102, 1 mile map and directional plan are attached.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #291841 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by JAMIE RHOADES on 09/15/2015 (15JLR0390SE)

Name (Printed/Typed) KELLY J HOLLY

Title PERMITTING TECH

Signature (Electronic Submission)

Date 02/16/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved By

Title

Eng

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

CFO

JAN 7 2016

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.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*



## COG Operating LLC

Eddy County, New Mexico

Twelve Pack Federal Com

Twelve Pack Federal Com Well No. 11H

Original Hole

SHL: 330 FNL 20 FEL Sect 1-T17S-R29E Lot 1

POE: 330 FNL 330 FWL Sect 6-T17S-R29E Lot 4

BHL: 330 FNL 330 FEL Sect 6-T17S-R29E Lot 1

Plan: rev0

## Standard\_report

12 February, 2015

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

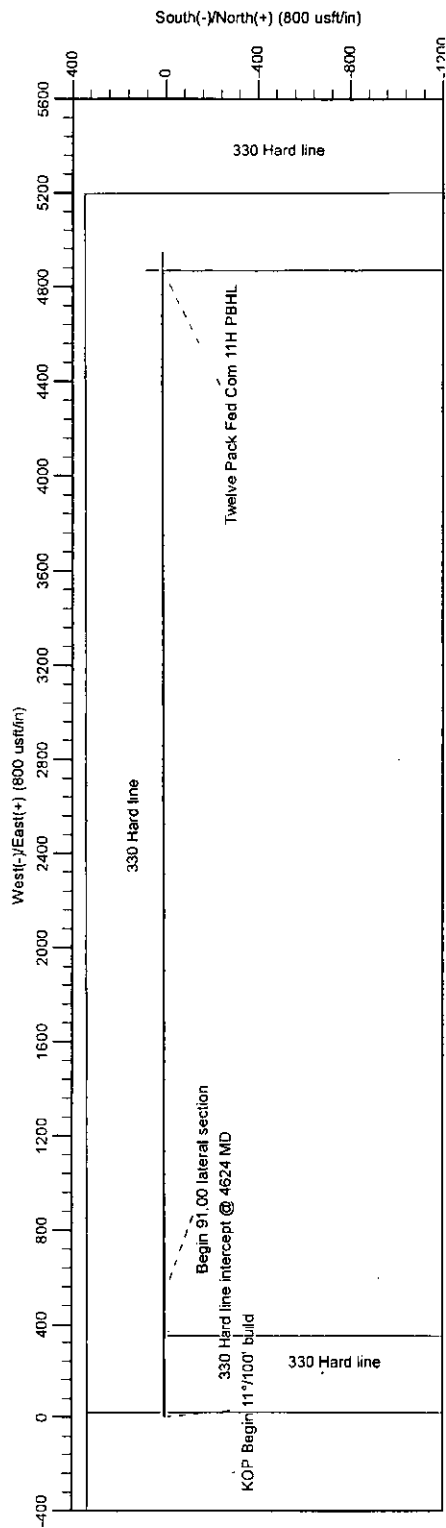
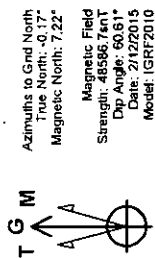
JAN 08 2016

RECEIVED



COG Operating LLC

Well: Twelve Pack Federal Com Well No. 11H  
Site: Twelve Pack Federal Com  
Project: Eddy County, New Mexico  
Design: rev0  
Rig: Uniter #43

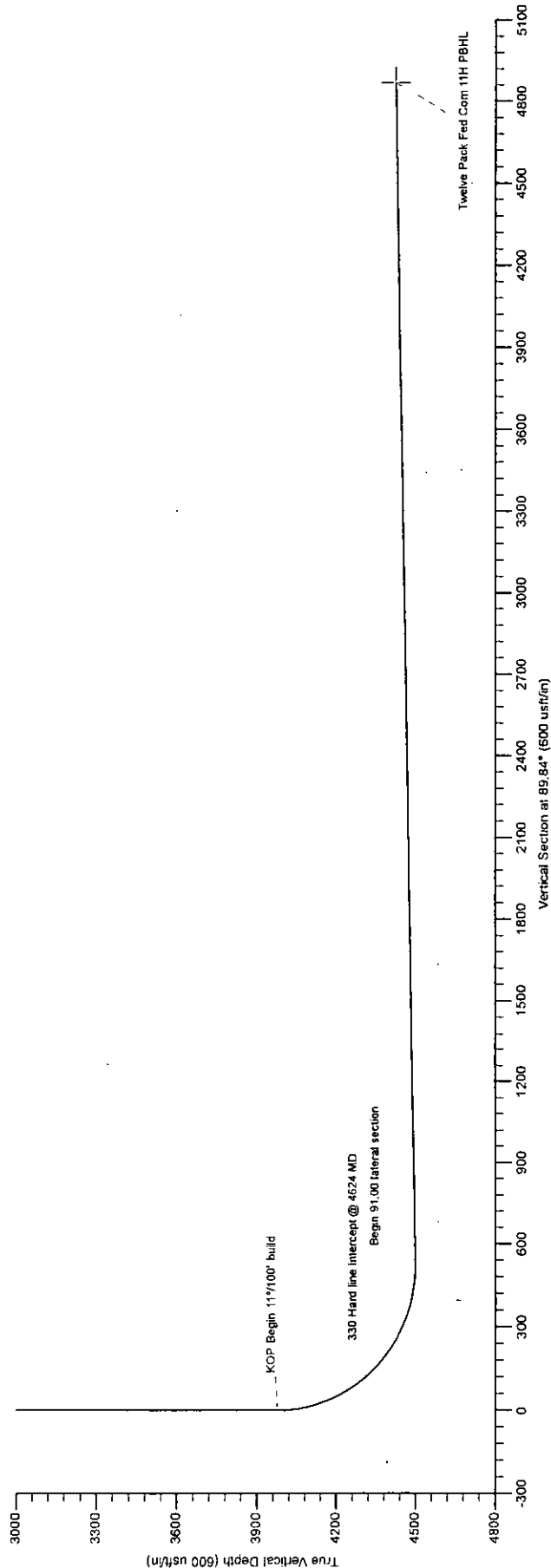


Surface Location: RKB=3692+12 @ 3704.00usf (Uniter #43)

US State Plane 1927 (Exact solution)  
New Mexico East 3001  
Northing 680272.30  
Easting 596455.40  
Latitude 32° 52' 11.123448 N  
Longitude 104° 1' 9.050455 W  
Total Correction (M => G) To convert a Magnetic Direction to a Grid Direction, Add 7.22°

#### SECTION DETAILS

| Sec | MD      | Inc   | Azi   | TVD     | +N/-S | +E/-W   | Dleg  | TFace | VSect   | Annotation                  |
|-----|---------|-------|-------|---------|-------|---------|-------|-------|---------|-----------------------------|
| 1   | 0.00    | 0.00  | 0.00  | 0.00    | 0.00  | 0.00    | 0.00  | 0.00  | 0.00    | KOP Begin 11°/100' build    |
| 2   | 3979.21 | 0.00  | 0.00  | 3979.21 | 0.00  | 0.00    | 0.00  | 0.00  | 0.00    | Begin 91.00 lateral section |
| 3   | 4806.52 | 91.00 | 89.84 | 4500.00 | 1.50  | 530.00  | 11.00 | 89.84 | 530.00  | Begin 91.00 lateral section |
| 4   | 9143.81 | 91.00 | 89.84 | 4424.00 | 13.90 | 4866.60 | 0.00  | 0.00  | 4866.62 | PBHL/7D                     |





## COG Operating LLC

Eddy County, New Mexico

Twelve Pack Federal Com

Twelve Pack Federal Com Well No. 11H

Original Hole

SHL: 330 FNL 20 FEL Sect 1-T17S-R29E Lot 1

POE: 330 FNL 330 FWL Sect 6-T17S-R29E Lot 4

BHL: 330 FNL 330 FEL Sect 6-T17S-R29E Lot 1

Plan: rev0

## Standard\_report

12 February, 2015

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JAN 08 2016

RECEIVED



Standard\_report

Company: COG Operating LLC  
Project: Eddy County, New Mexico  
Site: Twelve Pack Federal Com  
Well: Twelve Pack Federal Com Well No. 11H  
Wellbore: Original Hole  
Design: rev0

Local Co-ordinate Reference: Well Twelve Pack Federal Com Well No. 11H  
TVD Reference: RKB=3692+12 @ 3704.00usft (Unit #43)  
MD Reference: RKB=3692+12 @ 3704.00usft (Unit #43)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Dbase Nov0914

Project: Eddy County, New Mexico

Map System: US State Plane 1927 (Exact solution)  
Geo Datum: NAD 1927 (NADCON CONUS)  
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site: Twelve Pack Federal Com

Site Position: Northing: 680,272.30 usft Latitude: 32° 52' 11.123448 N  
From: Easting: 596,455.40 usft Longitude: 104° 1' 9.050455 W  
Position Uncertainty: Slot Radius: 13-3/16" Grid Convergence: 0.17°

Well: Twelve Pack Federal Com Well No. 11H, Surf Loc: 330 FNL 20 FEL Sect 1-T17S-R29E Lot 1

Well Position: Northing: 680,272.30 usft Latitude: 32° 52' 11.123448 N  
+N-S 0.00 usft  
+E-W 0.00 usft  
Position Uncertainty: Wellhead Elevation: usft Longitude: 104° 1' 9.050455 W  
Ground Level: 3,692.00 usft

Wellbore: Original Hole

Magnetics: Model Name: Sample Date: 2/12/2015  
Declination: 7.39 Dip Angle: 60.61 Field Strength: 48,587 (nT)

Design: IGRF2010

Audit Notes: rev0

Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section: Depth From (TVD) (usft) Direction (°)  
0.00 0.00 89.84

Survey Tool Program: Date 2/12/2015

From (usft) To (usft) Survey (Wellbore) Tool Name Description  
0.00 9,143.59 rev0 (Original Hole) MWD MWD - Standard



Standard\_report

Company: COG Operating LLC  
Project: Eddy County, New Mexico  
Site: Twelve Pack Federal Com  
Well: Twelve Pack Federal Com Well No. 11H  
Wellbore: Original Hole  
Design: rev0

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well Twelve Pack Federal Com Well No. 11H  
RKB=3692+12 @ 3704.00usft (Unit #43)  
RKB=3692+12 @ 3704.00usft (Unit #43)  
Grid  
Minimum Curvature  
Dbase Nov0914

| Planned Survey | MD<br>(usft) | Azi (azimuth)<br>(°) | TVD<br>(usft) | ENS<br>(usft) | EIN<br>(usft) | Dleg<br>(°/100usft) | V Sec<br>(usft) | Northing<br>(usft) | Easting<br>(usft) |
|----------------|--------------|----------------------|---------------|---------------|---------------|---------------------|-----------------|--------------------|-------------------|
|                | 0.00         | 0.00                 | 0.00          | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 100.00       | 0.00                 | 100.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 200.00       | 0.00                 | 200.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 300.00       | 0.00                 | 300.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 400.00       | 0.00                 | 400.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 500.00       | 0.00                 | 500.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 600.00       | 0.00                 | 600.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 700.00       | 0.00                 | 700.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 800.00       | 0.00                 | 800.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 900.00       | 0.00                 | 900.00        | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,000.00     | 0.00                 | 1,000.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,100.00     | 0.00                 | 1,100.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,200.00     | 0.00                 | 1,200.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,300.00     | 0.00                 | 1,300.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,400.00     | 0.00                 | 1,400.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,500.00     | 0.00                 | 1,500.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,600.00     | 0.00                 | 1,600.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,700.00     | 0.00                 | 1,700.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,800.00     | 0.00                 | 1,800.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 1,900.00     | 0.00                 | 1,900.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 2,000.00     | 0.00                 | 2,000.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 2,100.00     | 0.00                 | 2,100.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 2,200.00     | 0.00                 | 2,200.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 2,300.00     | 0.00                 | 2,300.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 2,400.00     | 0.00                 | 2,400.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 2,500.00     | 0.00                 | 2,500.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |
|                | 2,600.00     | 0.00                 | 2,600.00      | 0.00          | 0.00          | 0.00                | 0.00            | 680,272.30         | 596,455.40        |



Standard\_report

Company: COG Operating LLC  
Project: Eddy County, New Mexico  
Site: Twelve Pack Federal Com  
Well: Twelve Pack Federal Com Well No. 11H  
Wellbore: Original Hole  
Design: rev0

Local Co-ordinate Reference:  
TVD Reference: RKB=3692+12 @ 3704.00ust (Unit #43)  
MD Reference: RKB=3692+12 @ 3704.00ust (Unit #43)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Dbase Nov0914

| Planned Survey                    | MD (ust) | Inc (°) | Azi (azimuth) (°) | TVD (ust) | N/S (ust) | EW (ust) | DLeg (°/100ust) | Et (V) Sec (ust) | North (ust) | East (ust) |
|-----------------------------------|----------|---------|-------------------|-----------|-----------|----------|-----------------|------------------|-------------|------------|
|                                   | 2,700.00 | 0.00    | 0.00              | 2,700.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 2,800.00 | 0.00    | 0.00              | 2,800.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 2,900.00 | 0.00    | 0.00              | 2,900.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,000.00 | 0.00    | 0.00              | 3,000.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,100.00 | 0.00    | 0.00              | 3,100.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,200.00 | 0.00    | 0.00              | 3,200.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,300.00 | 0.00    | 0.00              | 3,300.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,400.00 | 0.00    | 0.00              | 3,400.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,500.00 | 0.00    | 0.00              | 3,500.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,600.00 | 0.00    | 0.00              | 3,600.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,700.00 | 0.00    | 0.00              | 3,700.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,800.00 | 0.00    | 0.00              | 3,800.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,900.00 | 0.00    | 0.00              | 3,900.00  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
|                                   | 3,979.21 | 0.00    | 0.00              | 3,979.21  | 0.00      | 0.00     | 0.00            | 0.00             | 680,272.30  | 596,455.40 |
| KOP Begin 11°/100' build          |          |         |                   |           |           |          |                 |                  |             |            |
|                                   | 4,000.00 | 2.29    | 89.84             | 3,998.99  | 0.00      | 0.41     | 11.00           | 0.41             | 680,272.30  | 596,455.81 |
|                                   | 4,100.00 | 13.29   | 89.84             | 4,088.92  | 0.04      | 13.94    | 11.00           | 13.94            | 680,272.34  | 596,469.34 |
|                                   | 4,200.00 | 24.29   | 89.84             | 4,193.45  | 0.13      | 46.10    | 11.00           | 46.10            | 680,272.43  | 596,501.50 |
|                                   | 4,300.00 | 35.29   | 89.84             | 4,280.10  | 0.27      | 95.70    | 11.00           | 95.70            | 680,272.57  | 596,551.10 |
|                                   | 4,400.00 | 46.29   | 89.84             | 4,355.70  | 0.46      | 160.92   | 11.00           | 160.92           | 680,272.76  | 596,616.32 |
|                                   | 4,500.00 | 57.29   | 89.84             | 4,417.46  | 0.68      | 239.37   | 11.00           | 239.38           | 680,272.98  | 596,694.77 |
|                                   | 4,600.00 | 68.29   | 89.84             | 4,463.12  | 0.93      | 328.17   | 11.00           | 328.17           | 680,273.23  | 596,783.57 |
|                                   | 4,624.00 | 70.93   | 89.84             | 4,471.49  | 0.99      | 350.66   | 11.00           | 350.66           | 680,273.29  | 596,806.06 |
| 330 Hard line intercept @ 4624 MD |          |         |                   |           |           |          |                 |                  |             |            |
|                                   | 4,700.00 | 79.29   | 89.84             | 4,491.00  | 1.20      | 424.04   | 11.00           | 424.05           | 680,273.50  | 596,879.44 |
|                                   | 4,800.00 | 90.29   | 89.84             | 4,500.07  | 1.48      | 523.48   | 11.00           | 523.48           | 680,273.78  | 596,978.88 |



Standard\_report

|                             |                                      |       |          |          |            |      |          |       |          |            |            |
|-----------------------------|--------------------------------------|-------|----------|----------|------------|------|----------|-------|----------|------------|------------|
| Company                     | COG Operating LLC                    |       |          |          |            |      |          |       |          |            |            |
| Project                     | Eddy County, New Mexico              |       |          |          |            |      |          |       |          |            |            |
| Site                        | Twelve Pack Federal Com              |       |          |          |            |      |          |       |          |            |            |
| Well                        | Twelve Pack Federal Com Well No. 11H |       |          |          |            |      |          |       |          |            |            |
| Wellbore                    | Original Hole                        |       |          |          |            |      |          |       |          |            |            |
| Design                      | rev0                                 |       |          |          |            |      |          |       |          |            |            |
| Planned Survey              |                                      |       |          |          |            |      |          |       |          |            |            |
| MD (usft)                   | 4,806.52                             | 91.00 | 89.84    | 4,500.00 | N/S (usft) | 1.50 | 530.00   | 11.00 | 530.00   | 680,273.80 | 596,985.40 |
| Begin 91.00 lateral section |                                      |       |          |          |            |      |          |       |          |            |            |
| 4,900.00                    | 91.00                                | 89.84 | 4,498.36 | 1.77     | 623.46     | 0.00 | 623.46   | 0.00  | 623.46   | 680,274.07 | 597,078.86 |
| 5,000.00                    | 91.00                                | 89.84 | 4,496.61 | 2.05     | 723.45     | 0.00 | 723.45   | 0.00  | 723.45   | 680,274.35 | 597,178.85 |
| 5,100.00                    | 91.00                                | 89.84 | 4,494.86 | 2.33     | 823.43     | 0.00 | 823.43   | 0.00  | 823.43   | 680,274.63 | 597,278.83 |
| 5,200.00                    | 91.00                                | 89.84 | 4,493.11 | 2.62     | 923.41     | 0.00 | 923.41   | 0.00  | 923.42   | 680,274.92 | 597,378.81 |
| 5,300.00                    | 91.00                                | 89.84 | 4,491.35 | 2.90     | 1,023.40   | 0.00 | 1,023.40 | 0.00  | 1,023.40 | 680,275.20 | 597,478.80 |
| 5,400.00                    | 91.00                                | 89.84 | 4,489.60 | 3.19     | 1,123.38   | 0.00 | 1,123.38 | 0.00  | 1,123.39 | 680,275.49 | 597,578.78 |
| 5,500.00                    | 91.00                                | 89.84 | 4,487.85 | 3.47     | 1,223.37   | 0.00 | 1,223.37 | 0.00  | 1,223.37 | 680,275.77 | 597,678.77 |
| 5,600.00                    | 91.00                                | 89.84 | 4,486.10 | 3.75     | 1,323.35   | 0.00 | 1,323.35 | 0.00  | 1,323.36 | 680,276.05 | 597,778.75 |
| 5,700.00                    | 91.00                                | 89.84 | 4,484.34 | 4.04     | 1,423.34   | 0.00 | 1,423.34 | 0.00  | 1,423.34 | 680,276.34 | 597,878.74 |
| 5,800.00                    | 91.00                                | 89.84 | 4,482.59 | 4.32     | 1,523.32   | 0.00 | 1,523.32 | 0.00  | 1,523.33 | 680,276.62 | 597,978.72 |
| 5,900.00                    | 91.00                                | 89.84 | 4,480.84 | 4.60     | 1,623.30   | 0.00 | 1,623.30 | 0.00  | 1,623.31 | 680,276.90 | 598,078.70 |
| 6,000.00                    | 91.00                                | 89.84 | 4,479.09 | 4.89     | 1,723.29   | 0.00 | 1,723.29 | 0.00  | 1,723.30 | 680,277.19 | 598,178.69 |
| 6,100.00                    | 91.00                                | 89.84 | 4,477.34 | 5.17     | 1,823.27   | 0.00 | 1,823.27 | 0.00  | 1,823.28 | 680,277.47 | 598,278.67 |
| 6,200.00                    | 91.00                                | 89.84 | 4,475.58 | 5.45     | 1,923.26   | 0.00 | 1,923.26 | 0.00  | 1,923.26 | 680,277.75 | 598,378.66 |
| 6,300.00                    | 91.00                                | 89.84 | 4,473.83 | 5.74     | 2,023.24   | 0.00 | 2,023.24 | 0.00  | 2,023.25 | 680,278.04 | 598,478.64 |
| 6,400.00                    | 91.00                                | 89.84 | 4,472.08 | 6.02     | 2,123.23   | 0.00 | 2,123.23 | 0.00  | 2,123.23 | 680,278.32 | 598,578.63 |
| 6,500.00                    | 91.00                                | 89.84 | 4,470.33 | 6.30     | 2,223.21   | 0.00 | 2,223.21 | 0.00  | 2,223.22 | 680,278.60 | 598,678.61 |
| 6,600.00                    | 91.00                                | 89.84 | 4,468.57 | 6.59     | 2,323.19   | 0.00 | 2,323.19 | 0.00  | 2,323.20 | 680,278.89 | 598,778.59 |
| 6,700.00                    | 91.00                                | 89.84 | 4,466.82 | 6.87     | 2,423.18   | 0.00 | 2,423.18 | 0.00  | 2,423.19 | 680,279.17 | 598,878.58 |
| 6,800.00                    | 91.00                                | 89.84 | 4,465.07 | 7.15     | 2,523.16   | 0.00 | 2,523.16 | 0.00  | 2,523.17 | 680,279.45 | 598,978.56 |
| 6,900.00                    | 91.00                                | 89.84 | 4,463.32 | 7.44     | 2,623.15   | 0.00 | 2,623.15 | 0.00  | 2,623.16 | 680,279.74 | 599,078.55 |
| 7,000.00                    | 91.00                                | 89.84 | 4,461.57 | 7.72     | 2,723.13   | 0.00 | 2,723.13 | 0.00  | 2,723.14 | 680,280.02 | 599,178.53 |
| 7,100.00                    | 91.00                                | 89.84 | 4,459.81 | 8.01     | 2,823.11   | 0.00 | 2,823.11 | 0.00  | 2,823.13 | 680,280.31 | 599,278.51 |
| 7,200.00                    | 91.00                                | 89.84 | 4,458.06 | 8.29     | 2,923.10   | 0.00 | 2,923.10 | 0.00  | 2,923.11 | 680,280.59 | 599,378.50 |
| 7,300.00                    | 91.00                                | 89.84 | 4,456.31 | 8.57     | 3,023.08   | 0.00 | 3,023.08 | 0.00  | 3,023.10 | 680,280.87 | 599,478.48 |

Local Coordinate Reference

TVD Reference

MD Reference

North Reference

Survey Calculation Method

Database

Well Twelve Pack Federal Com Well No. 11H

RKB=3692+12 @ 3704.00usft (Unit #43)

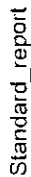
RKB=3692+12 @ 3704.00usft (Unit #43)

Grid

Minimum Curvature

Dbase Nov0914



COMPASS 5000.1 Build 65



Standard\_report

|           |                                      |                              |                                           |
|-----------|--------------------------------------|------------------------------|-------------------------------------------|
| Company:  | COG Operating LLC                    | Local Co-ordinate Reference: | Well Twelve Pack Federal Com Well No. 11H |
| Project:  | Eddy County, New Mexico              | TVD Reference:               | RKB=3692+12 @ 3704.00usft (Unit #43)      |
| Site:     | Twelve Pack Federal Com              | MD Reference:                | RKB=3692+12 @ 3704.00usft (Unit #43)      |
| Well:     | Twelve Pack Federal Com Well No. 11H | North Reference:             | Grid                                      |
| Wellbore: | Original Hole                        | Survey Calculation Method:   | Minimum Curvature                         |
| Design:   | rev0                                 | Database:                    | Dbase Nov0914                             |

| Plan Annotations      |                       |                              |                              |                                   |
|-----------------------|-----------------------|------------------------------|------------------------------|-----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates N/S (usft) | Local Coordinates E/W (usft) | Comment                           |
| 3,979.21              | 3,979.21              | 0.00                         | 0.00                         | KOP Begin 11'100' build           |
| 4,624.00              | 4,471.49              | 0.99                         | 350.66                       | 330 Hard line intercept @ 4624 MD |
| 4,806.52              | 4,500.00              | 1.50                         | 530.00                       | Begin 91.00 lateral section       |
| 9,143.81              | 4,424.00              | 13.80                        | 4,866.60                     | PBHL/TD                           |

**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 E. 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

RECEIVED

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

ARTESIA DISTRICT  
NM OIL CONSERVATION  
AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                                |                                                              |                                        |                                                            |
|------------------------------------------------|--------------------------------------------------------------|----------------------------------------|------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-015-41099</b> |                                                              | <sup>2</sup> Pool Code<br><b>96718</b> | <sup>3</sup> Pool Name<br><b>Loco Hills; Glorieta Yeso</b> |
| <sup>4</sup> Property Code<br><b>39626</b>     | <sup>5</sup> Property Name<br><b>TWELVE PACK FEDERAL COM</b> |                                        | <sup>6</sup> Well Number<br><b>11H</b>                     |
| <sup>7</sup> OGRID No.<br><b>229137</b>        | <sup>8</sup> Operator Name<br><b>COG OPERATING, LLC</b>      |                                        | <sup>9</sup> Elevation<br><b>3692'</b>                     |

**Surface Location**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 1             | 1       | 17-S     | 29-E  |         | 330           | NORTH            | 20            | EAST           | EDDY   |

**Bottom Hole Location If Different From Surface**

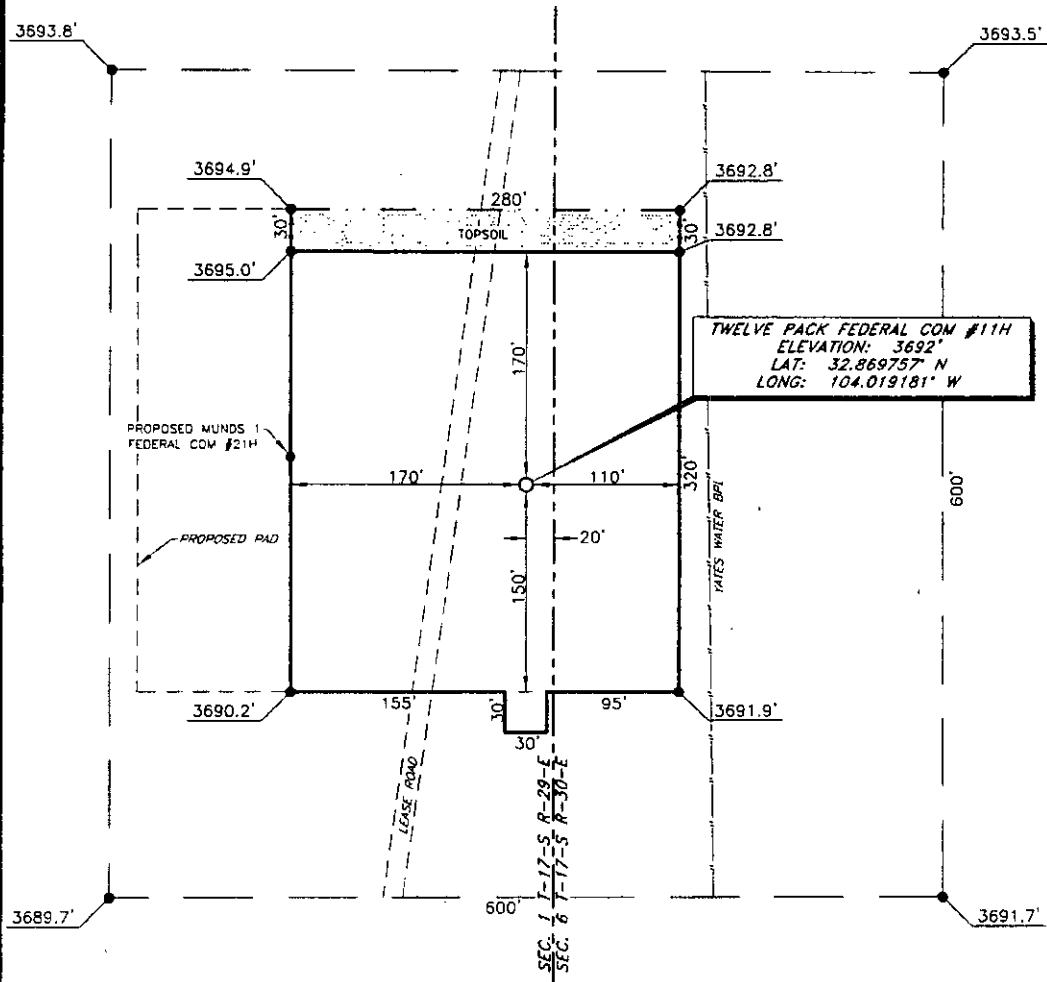
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 1             | 6       | 17-S     | 30-E  |         | 330           | NORTH            | 330           | EAST           | EDDY   |

|                                                |                               |                                           |                         |
|------------------------------------------------|-------------------------------|-------------------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>155.95</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code<br>LOT 1 | <sup>15</sup> 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.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>LOT 4</b><br/>40.01 AC.<br/>(WSP 40.11 AC.)</p> <p><b>LOT 3</b><br/>40.04 AC.<br/>(WSP 40.07 AC.)</p> <p><b>LOT 2</b><br/>40.02 AC.<br/>(WSP 40.05 AC.)</p> <p><b>LOT 1</b><br/>40.02 AC.<br/>(WSP 40.01 AC.)</p> <p><b>LOT 5</b><br/>37.09 AC.<br/>(WSP 37.08 AC.)</p> <p><b>LOT 6</b><br/>37.21 AC.<br/>(WSP 37.17 AC.)</p> <p><b>LOT 7</b><br/>37.35 AC.<br/>(WSP 37.31 AC.)</p> <p><b>Estimated Completed Interval:</b><br/>330-320</p> <p><b>Project Area</b><br/>Producing Area</p> <p><b>DETAIL "A"</b></p> <p><b>CORNER DATA</b><br/>NAD 27 GRID - NM EAST<br/>A: FND USGLO BC 1914<br/>N 675322.5 - E 591200.4<br/>B: FND USGLO BC 1914<br/>N 677951.6 - E 591198.9<br/>C: FND USGLO BC 1916<br/>N 680599.9 - E 591196.5<br/>D: FND USGLO BC 1914<br/>N 680602.4 - E 593835.9<br/>E: FND USGLO BC 1914<br/>N 680602.3 - E 596475.6<br/>F: FND BRASS CAP 1916<br/>N 680609.7 - E 599011.1<br/>G: FND BRASS CAP 1916<br/>N 680616.9 - E 601650.7<br/>H: FND GLO BC<br/>N 675356.3 - E 601659.2</p> <p><b>GEODETIC DATA</b><br/>NAD 27 GRID - NM EAST<br/>SURFACE LOCATION<br/>N 680272.3<br/>E 596455.4<br/>LAT. 32.869757° N<br/>LONG: 104.019151° W<br/>BOTTOM LOCATION<br/>N 680286.1<br/>E 601322.0</p> <p><b>CORNER DATA</b><br/>NAD 27 GRID - NM EAST<br/>I: FND GLO BC<br/>N 675340.1 - E 599029.3<br/>J: FND USGLO BC 1914<br/>N 675324.2 - E 596474.6<br/>K: FND USGLO BC 1914<br/>N 675325.5 - E 593844.9<br/>L: FND USGLO BC 1914<br/>N 677951.9 - E 596474.4</p> |  | <p><b>11 OPERATOR CERTIFICATION</b><br/>I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief, and that this organization owns or has a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at the 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.</p> <p>Signature: <i>Kelly J. Holly</i> Date: <b>2-16-15</b></p> <p>Printed Name: <b>Kelly J. Holly</b></p> <p>E-mail Address: <b>kholly@concho.com</b></p> |
| <p><b>12 SURVEYOR CERTIFICATION</b><br/>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><b>4/2/13</b><br/>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <i>Robert M. Howett</i></p> <p><b>1980</b><br/>Certificate Number</p> <p>REVISED: 2/4/15</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Twelve Pack Federal Com #11H  
(330' FNL & 20' FEL)  
Section 1, T-17-S, R-29-E,  
N. M. P. M., Eddy Co., New Mexico



The location is approx. 54 feet East of the lease road.



SCALE: 1" = 100'

A horizontal graphic scale bar with a black outline. It is divided into two equal segments by a vertical tick mark in the middle. Below the bar, the numbers 0, 50, and 100 are printed at the left, center, and right ends respectively.

BEARINGS ARE  
MAD 27 - NM EAST  
DISTANCES ARE  
GROUND

|                     |           |        |
|---------------------|-----------|--------|
| 2                   | WELL NAME | 2/4/15 |
| 1                   | WELL NAME | 5/2/13 |
| NO.                 | REVISION  | DATE   |
| JOB NO.: LS130108   |           |        |
| DWG. NO.: 130108PAD |           |        |

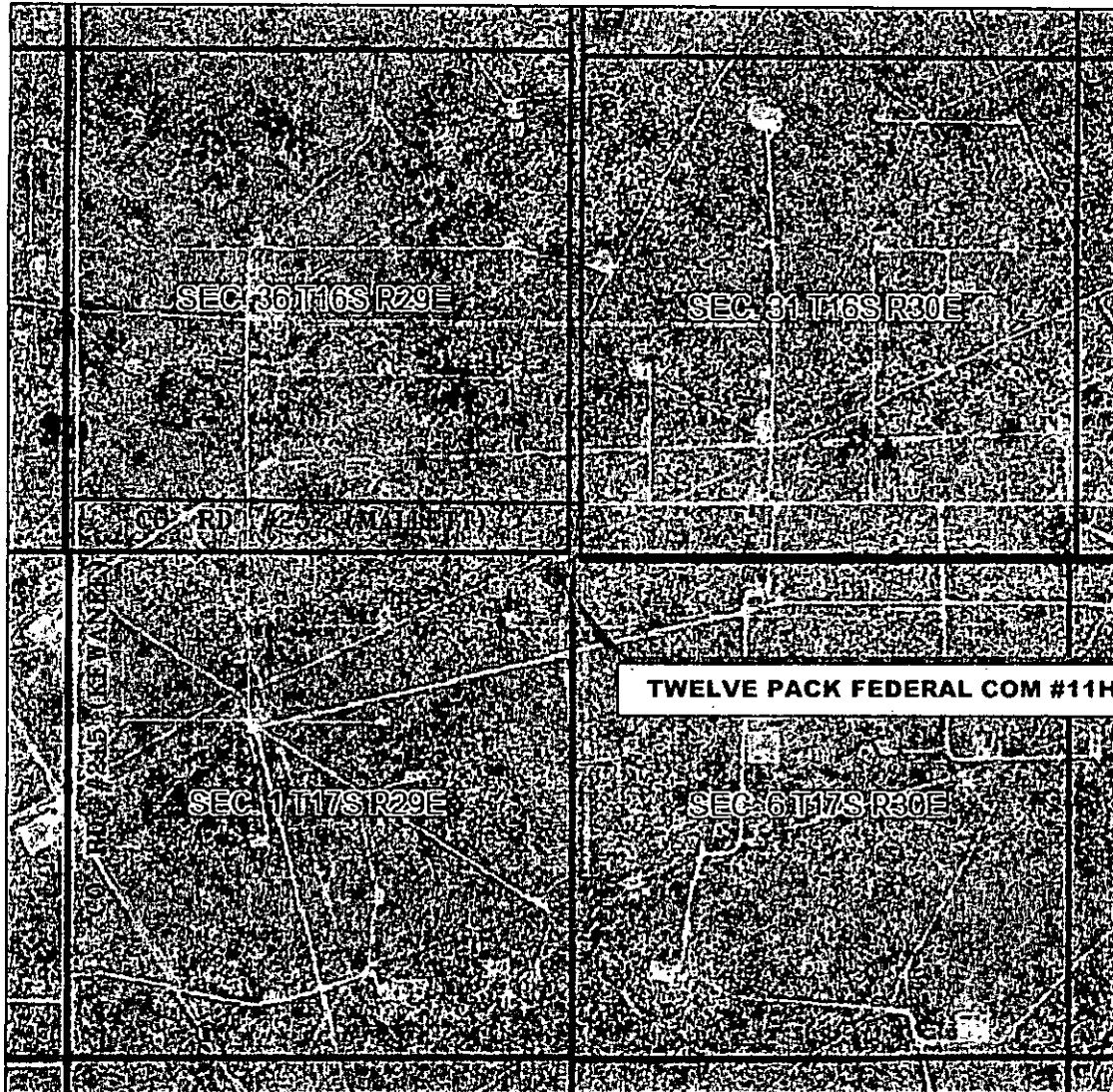
2251 Double Creek Drive, Suite 602, Round Rock, Texas 78664

o (512) 992-2087 f (512) 251-2518

|                    |
|--------------------|
| SCALE: 1" = 100'   |
| DATE: 4/2/13       |
| SURVEYED BY: GB/SM |
| DRAWN BY: AF       |
| APPROVED BY: LWB   |
| SHEET : 1 OF 1     |

# VICINITY MAP

NOT TO SCALE



*SECTION 1, TWP. 17 SOUTH, RGE. 29 EAST,  
N. M. P. M., EDDY COUNTY, NEW MEXICO*

OPERATOR: COG Operating, LLC  
LEASE: Twelve Pack Federal Com  
WELL NO.: 11H

LOCATION: 330' FNL & 20' FEL  
ELEVATION: 3692'

*Copyright 2012 - All Rights Reserved*

|                    |           |        |
|--------------------|-----------|--------|
|                    |           |        |
| 2                  | WELL NAME | 2/4/15 |
| 1                  | WELL NAME | 5/2/13 |
| NO.                | REVISION  | DATE   |
| JOB NO.: LS130108  |           |        |
| DWG. NO.: 130108VM |           |        |

PROSPERITY CONSULTANTS, LLC

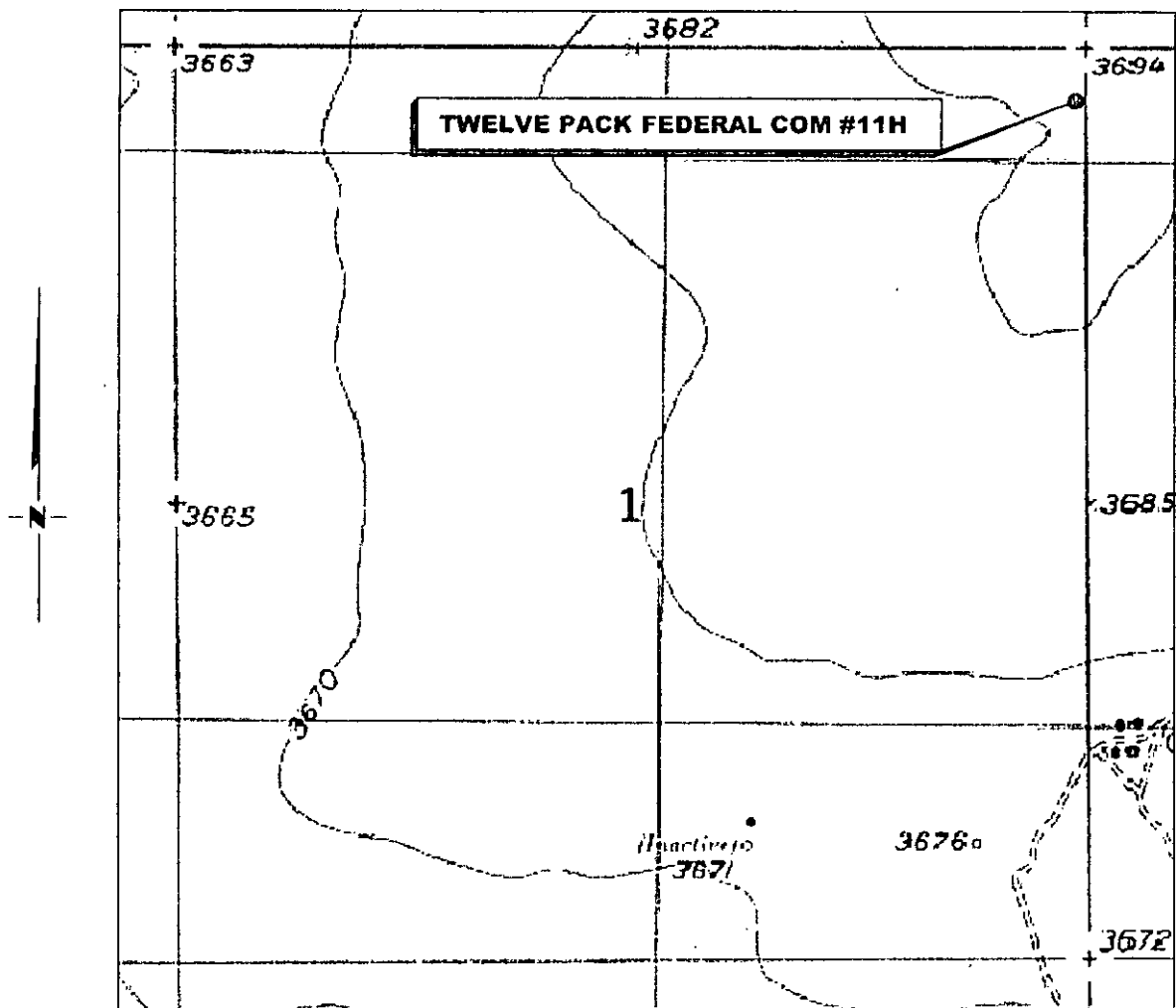


2251 Double Creek Drive, Suite 602, Round Rock, Texas 78664

o (512) 992-2087 f (512) 251-2518

SCALE: 1" = 1000'  
DATE: 4/2/13  
SURVEYED BY: GB/SM  
DRAWN BY: AF  
APPROVED BY: LWB  
SHEET : 1 OF 1

# LOCATION VERIFICATION MAP



SECTION 1, TWP. 17 SOUTH, RGE. 29 EAST,  
N. M. P. M., EDDY COUNTY, NEW MEXICO

OPERATOR: COG Operating, LLC  
LEASE: Twelve Pack Federal Com  
WELL NO.: 11H  
ELEVATION: 3692'

LOCATION: 330' FNL & 20' FEL  
CONTOUR INTERVAL: 10'  
USGS TOPO. SOURCE MAP:  
Red Lake SE, NM (1955)

Copyright 2012 - All Rights Reserved

|                     |           |        |
|---------------------|-----------|--------|
| 2                   | WELL NAME | 2/4/15 |
| 1                   | WELL NAME | 5/2/13 |
| NO.                 | REVISION  | DATE   |
| JOB NO.: LS130108   |           |        |
| DWG. NO.: 130108LVM |           |        |

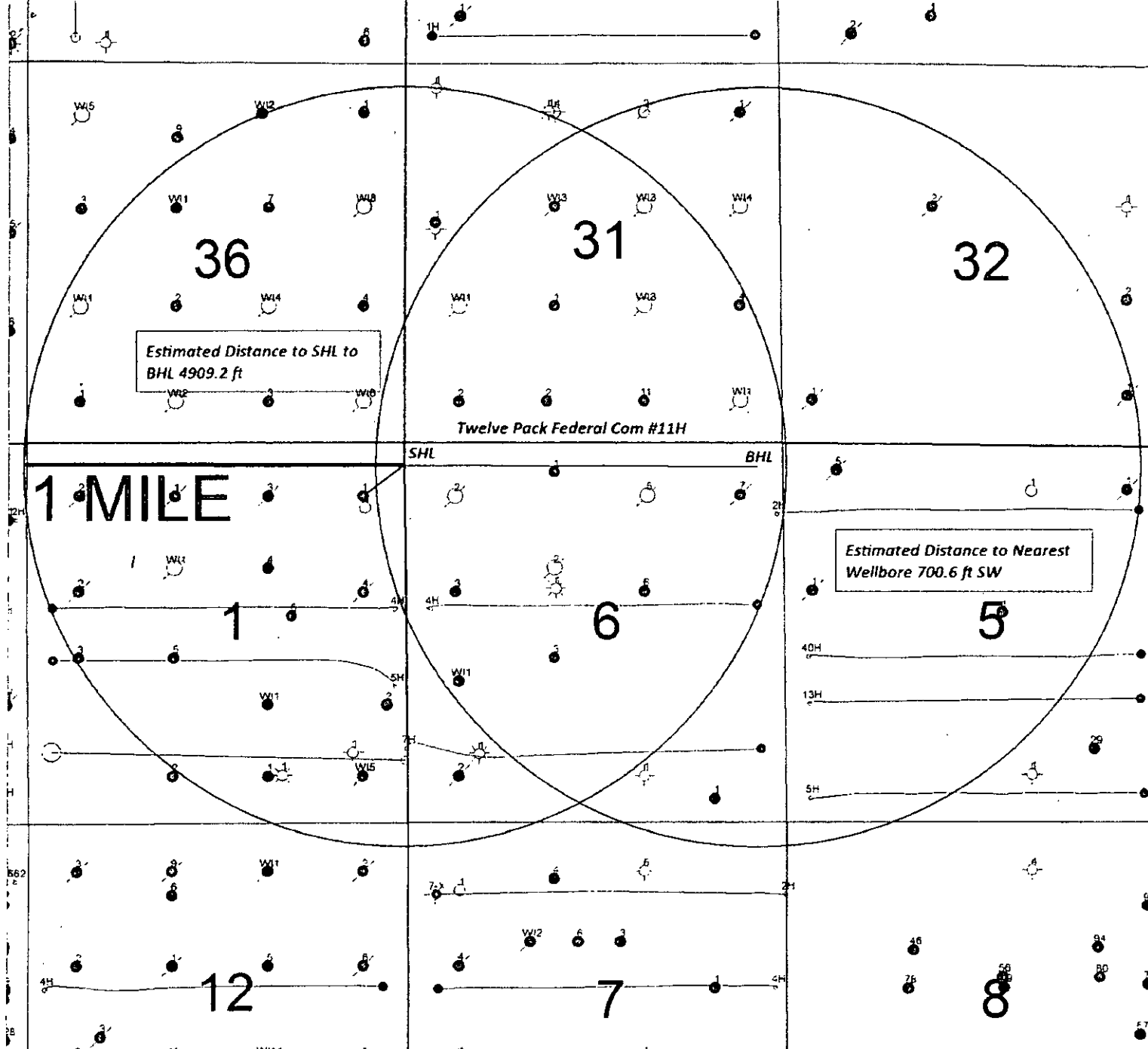
PROSPERITY CONSULTANTS, LLC



2251 Double Creek Drive, Suite 602, Round Rock, Texas 78664

o (512) 992-2087 f (512) 251-2518

|                    |
|--------------------|
| SCALE: 1" = 1000'  |
| DATE: 4/2/13       |
| SURVEYED BY: GB/SM |
| DRAWN BY: AF       |
| APPROVED BY: LWB   |
| SHEET : 1 OF 1     |



SENM Shelf Area  
Twelve Pack Federal Com #11H

SEC. 1, T17S - R29E SHL 330 FNL 20 FEL. UNIT A  
SEC. 6, T17S - R30E SHL 330 FNL 330 FEL. UNIT A

Author:

Date: