

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
811 S. 1st Street
Artesia, NM 88210-2834

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
CONCHO RESOURCES INC.

3. Address and Telephone No.
110 W. LOUISIANA STE 410; MIDLAND, TX 79701 (915) 683-7443

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL & 660' FWL, SEC. 6, 20S, 28E.

5. Lease Designation and Serial No.
NMNM96212

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Angel "6" Federal #1

9. API Well No.
30015-29380

10. Field and Pool, or Exploratory Area
WC; Fadeway Cisco Canyon

11. County or Parish, State
EDDY, NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other RADIUS OF EXPOSE H2S
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CONCHO RESOURCES INC. RESPECTFULLY SUBMITS THE RADIUS OF EXPOSE FOR H2S LEVEL IN THE ANGEL 6 FEDERAL FACILITY AS FOLLOWS:

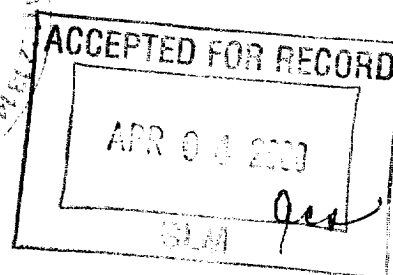
MAX RATE: 90 MCF/D
H2S: MOL % = 0.150

100 ppm RADIUS
 $x = 1.589 \times \text{H2S CONCENTRATION} \times \text{GAS VOLUME} \times .6258$

$X = 1.589 (.00150) (90,000) (.6258)$
 $X = 134'$

500 ppm RADIUS
 $X = .4546 \times \text{H2S CONCENTRATION} \times \text{GAS VOLUME}$

$X = .4546 (.00150) (90,000)$
 $X = 61'$



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

Signed [Signature] Title Production Analyst

Date 03/29/00

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

recision Gas Measurement, Inc.
P.O. Box 8323 Roswell, NM 88202

(505) 622-9874
Analysis Results Summary

DOS 2.0

Run No. 000228-7
Date Run 02/28/00
Date Sampled 02/21/00

Analysis for CONCHO RESOURCES

GPANGL.LC6

Field: BURTON FLATS

Well Name: ANGELL 6 FED #1 CHECK

Producer: CONCHO RESOURCES

Sta. Number:

County: EDDY

State: NM

Purpose: QUARTERLY

Sampled By: RANDY DROSS

Sampling Temp: 66 DEG F

Atmos Temp: 58 DEG F

Volume/day:

Formation:

Pressure on Cylinder: 17 PSIG

Line Pressure: 30.2 PSIA

GAS COMPONENT ANALYSIS

Pressure Base: 15.025

	Mol %	GPM
Nitrogen N2	0.576	
Hydrogen Sulfide H2S	0.150	
Methane C1	68.075	
Ethane C2	16.085	4.388
Propane C3	8.785	2.484
Iso-Butane IC4	1.207	0.403
Nor-Butane NC4	2.867	0.922
Iso-Pentane IC5	0.656	0.245
Nor-Pentane NC5	0.692	0.256
Hexanes Plus C6+	0.927	0.407
TOTAL	100.000	9.084

Real BTU Dry: 1459
Real BTU Wet: 1434
Real Calc. Specific Gravity: 0.833
Field Specific Gravity: 0.000

Standard Pressure: 14.696
BTU Dry: 1427
BTU Wet: 1402

Z Factor: 0.9952
N Value: 1.2600
Avg Mol Weight: 24.0270
Avg CuFt/Gal: 50.8410
28 Lb Product: 1.3722
Methane+ GPM: 20.853
Ethane+ GPM: 9.084
Propane+ GPM: 4.695
Butane+ GPM: 2.232
Pentane+ GPM: 0.907

REMARKS:

H2S ON LOCATION: 0.150 % = 1,500 PPM

Approved by: JEFF DECK

Tue Feb 29 11:05:24 2000