

DISTRICT I
1925 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-8161 Fax: (505) 393-0720

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-0720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6176 Fax: (505) 334-6170

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 41860	Pool Code 14865	Pool Name Cruz; Bone Spring
Property Code 310145	Property Name BRINNINSTOOL UNIT	Well Number 5H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3686.7

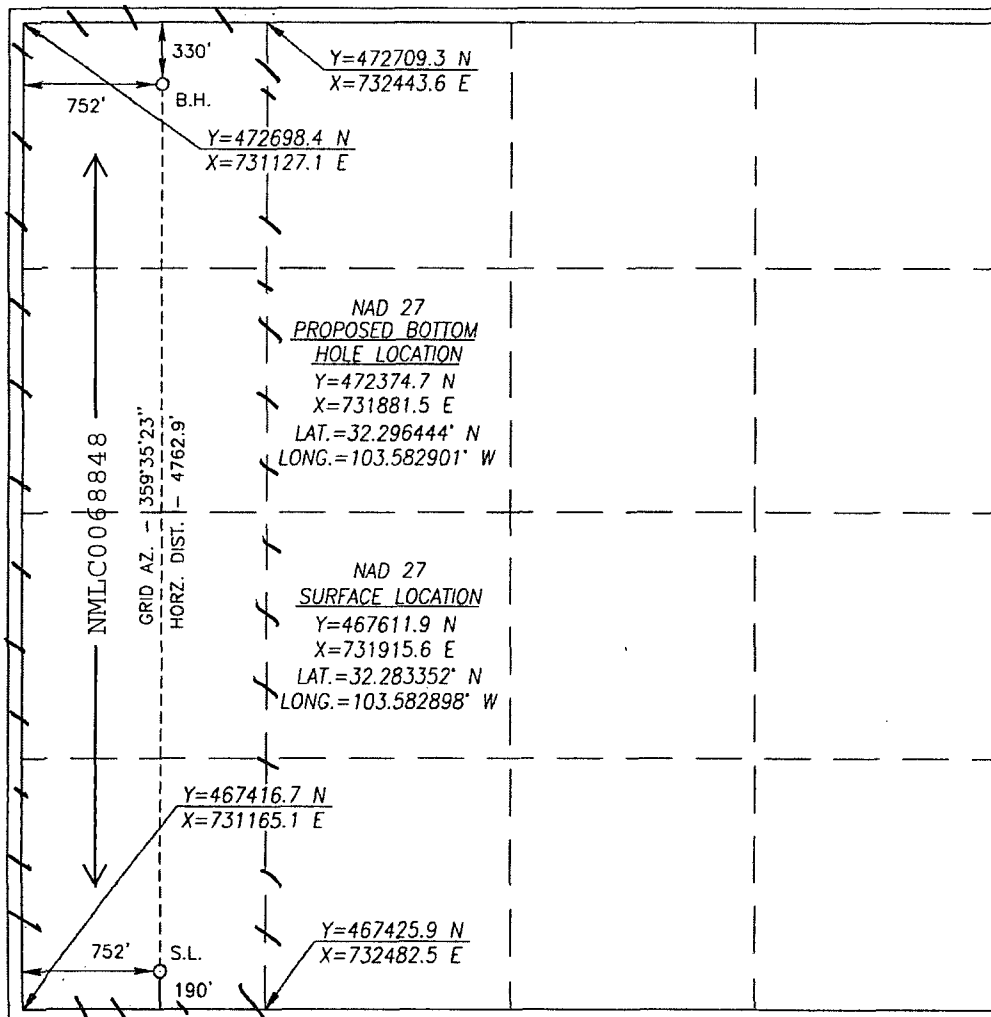
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	23-S	33-E		190	SOUTH	752	WEST	LEA

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
D	21	23-S	33-E		330	NORTH	752	WEST	LEA
Dedicated Acres 160		Joint or Infill		Consolidation Code		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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Melanie Parker* Date: 1/16/14
Printed Name: Melanie J. Parker
E-mail Address: mparker@concho.com

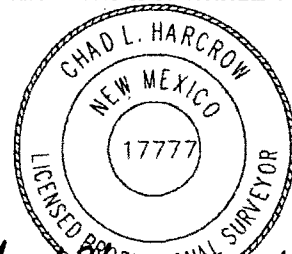
SURVEYOR CERTIFICATION

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.

MAY 23, 2013

Date of Survey

Signature & Seal of Professional Surveyor



Signature: *Chad Harcrow* Date: 6/6/13
Certificate No. CHAD HARCROW 17777
W.O. # 13-325 DRAWN BY: VD

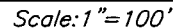
MAY 27 2014

NEW MEXICO



600'

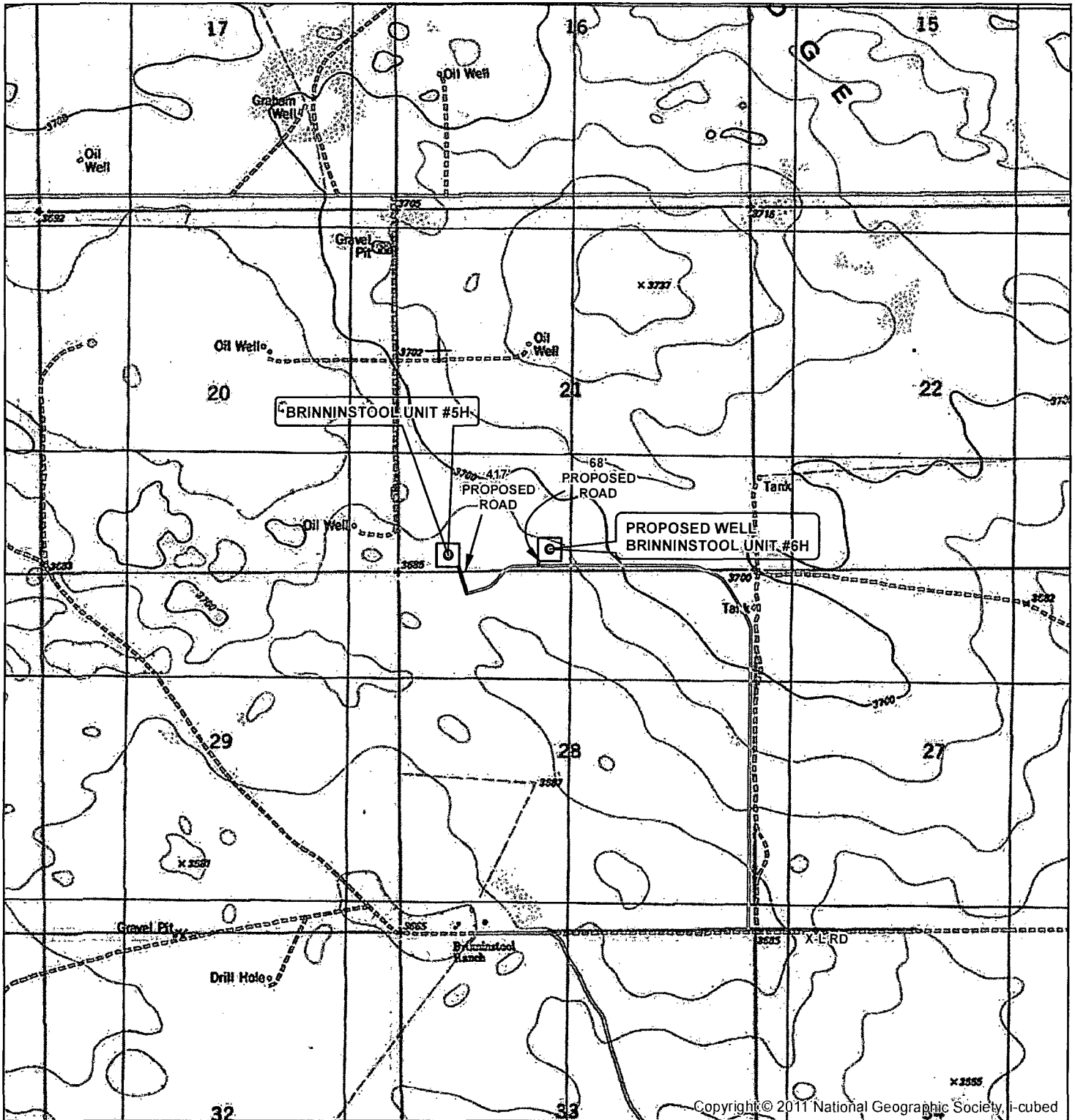
FROM THE INTERSECTION OF HWY 128 AND BRINNINSTOOL RD. GO NORTH ON BRINNINSTOOL APPROX. 4 MILES; THEN TURN RIGHT (EAST) ONTO XL RD AND GO .5 MILES; THEN TURN LEFT (NORTH) AND GO APPROX. .5 MILES; THEN TURN LEFT (NORTHWEST) AND GO .2 MILES; THEN TURN LEFT (WEST) AND GO .4 MILES; THEN TURN LEFT (SOUTHWEST) AND GO APPROX. .15 MILES PROPOSED WELL IS APPROX. 590 FEET NORTH.



FILE: 13-325

EXHIBIT 2

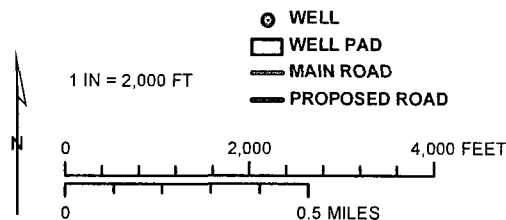
LOCATION VERIFICATION MAP



SEC. 21, TWP. 23 S, RGE. 33 E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: BRINNINSTOOL UNIT #5H
 190' FSL & 752' FWL

ELEVATION: 3686.7
 OPERATOR: COG OPERATING LLC
 LEASE: BRINNINSTOOL UNIT

W.O. # 13-325

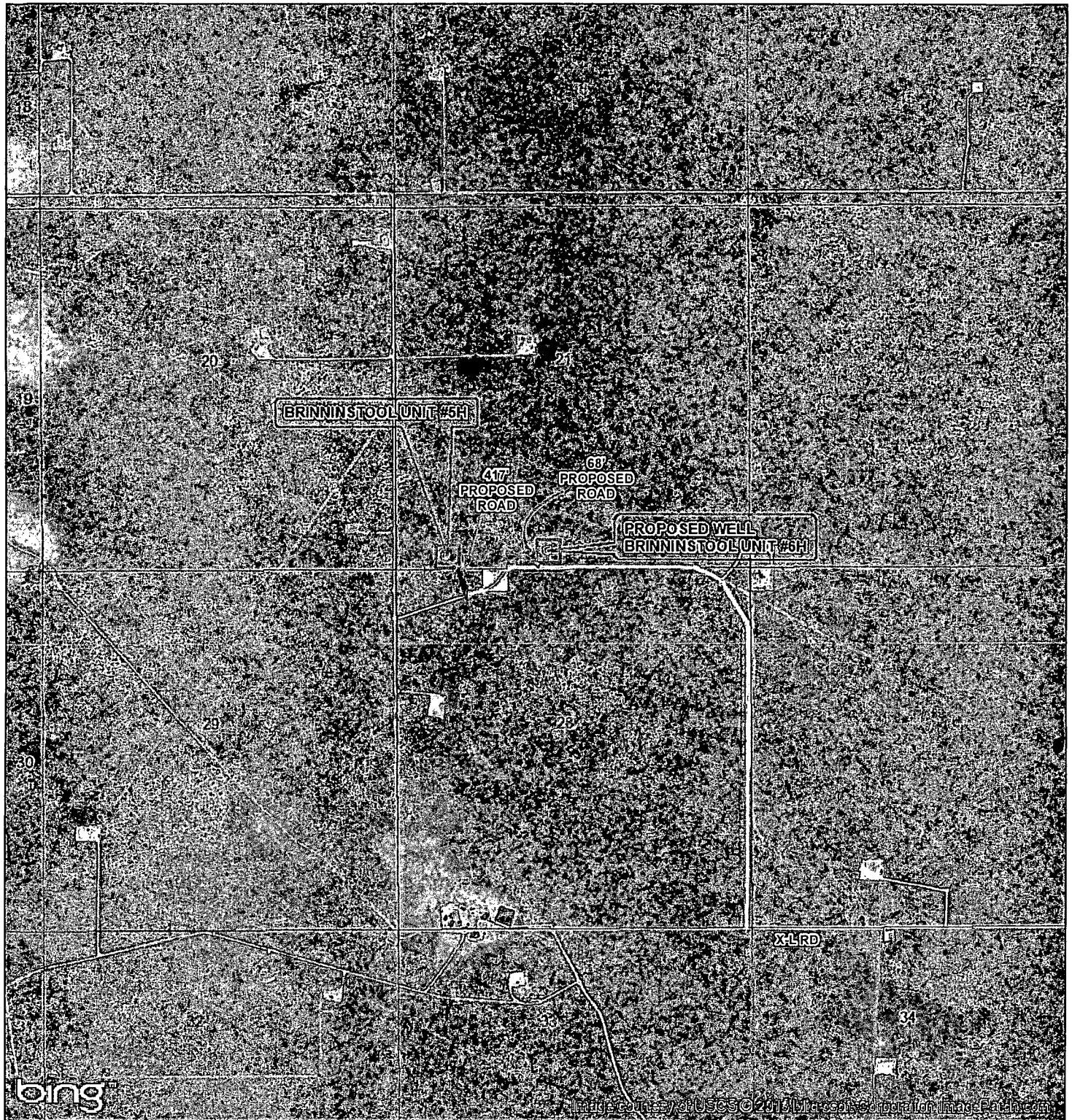


HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 5/30/2013

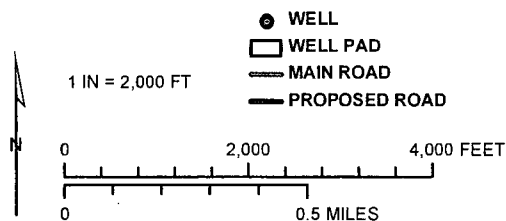
LOCATION VERIFICATION MAP



SEC. 21, TWP. 23 S, RGE. 33 E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: BRINNINSTOOL UNIT #5H
 190' FSL & 752' FWL

ELEVATION: 3686.7
 OPERATOR: COG OPERATING LLC
 LEASE: BRINNINSTOOL UNIT

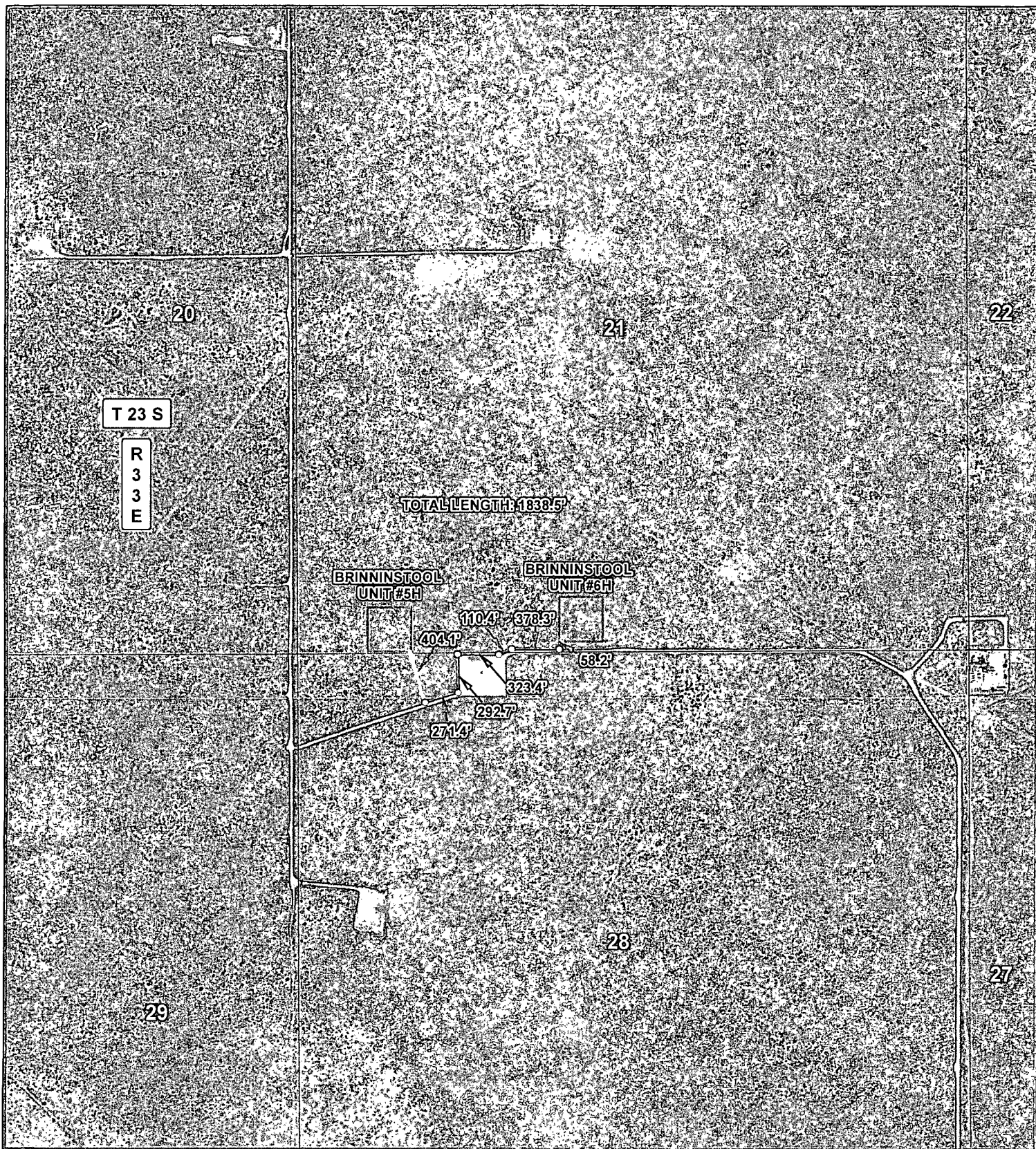
W.O. # 13-325



HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 5/30/2013



LEGEND

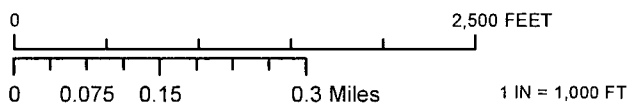
- Well
- Well Pad
- Bend
- Flowline
- Proposed Road

FLOWLINE FROM BRINNINSTOOL UNIT #5H TO #6H

SECTIONS: 21, 28 TOWNSHIP: 23 S. RANGE: 33 E.

STATE: NEW MEXICO COUNTY: LEA LENGTH: 1838.5'

W.O. # 13-901 LEASE: BRINNINSTOOL UNIT SURVEY: N.M.P.M

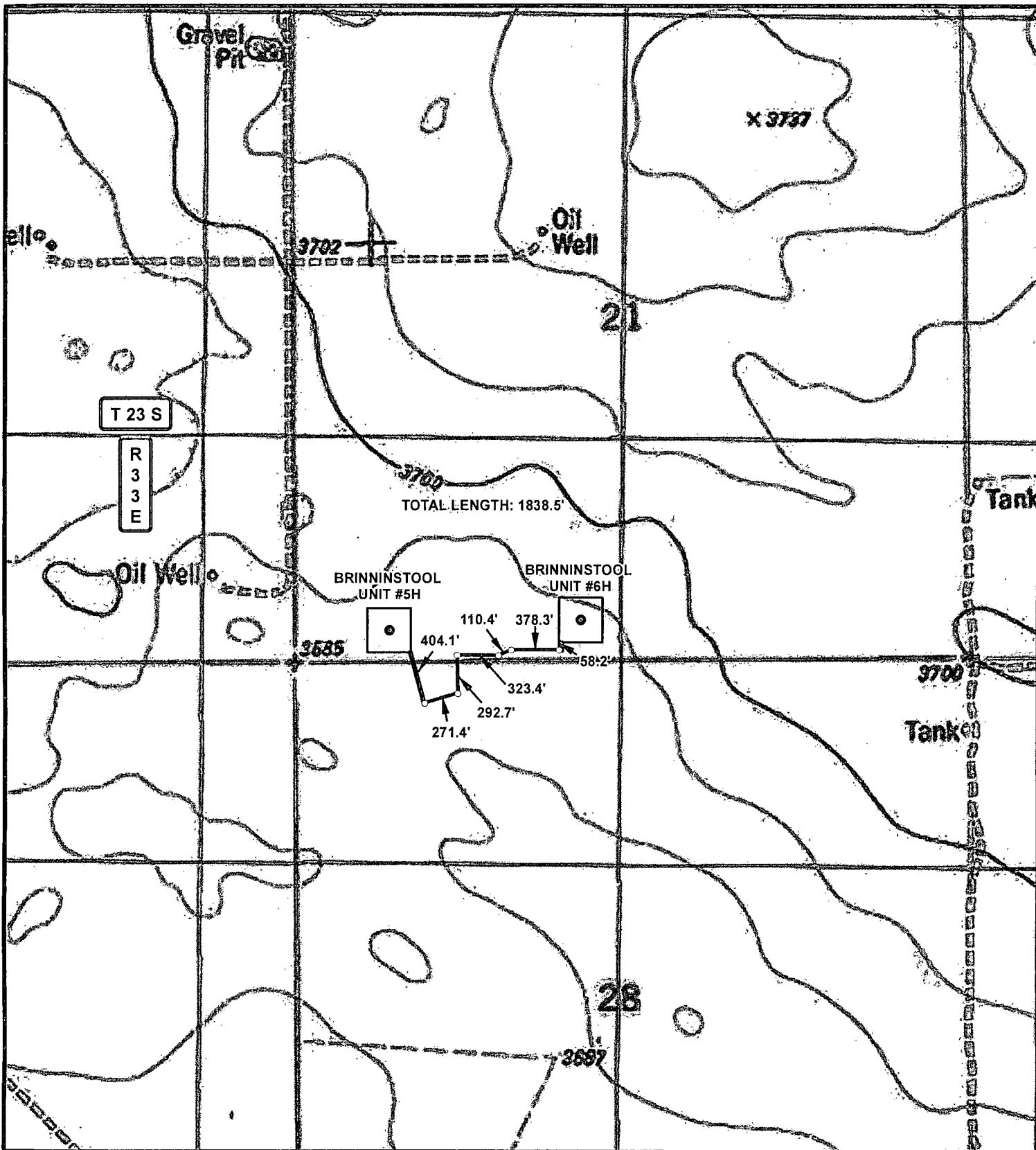


FLOWLINE MAP IMAGERY 12/2/2013 S.P.

CONCHO
COG OPERATING, LLC

HARCROW SURVEYING, LLC
1107 WATSON, ARTESIA N.M. 88210
PH: (575) 513-2370 FAX: (575) 46-2158
chad_harcrow77@yahoo.com



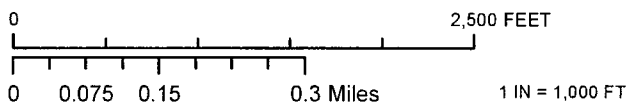


LEGEND

- Well
- Well Pad
- Bend
- Flowline
- Proposed Road

FLOWLINE FROM BRINNINSTOOL UNIT #5H TO #6H

SECTIONS: 21, 28 TOWNSHIP: 23 S. RANGE: 33 E.
 STATE: NEW MEXICO COUNTY: LEA LENGTH: 1838.5'
 W.O. # 13-901 LEASE: BRINNINSTOOL UNIT SURVEY: N.M.P.M



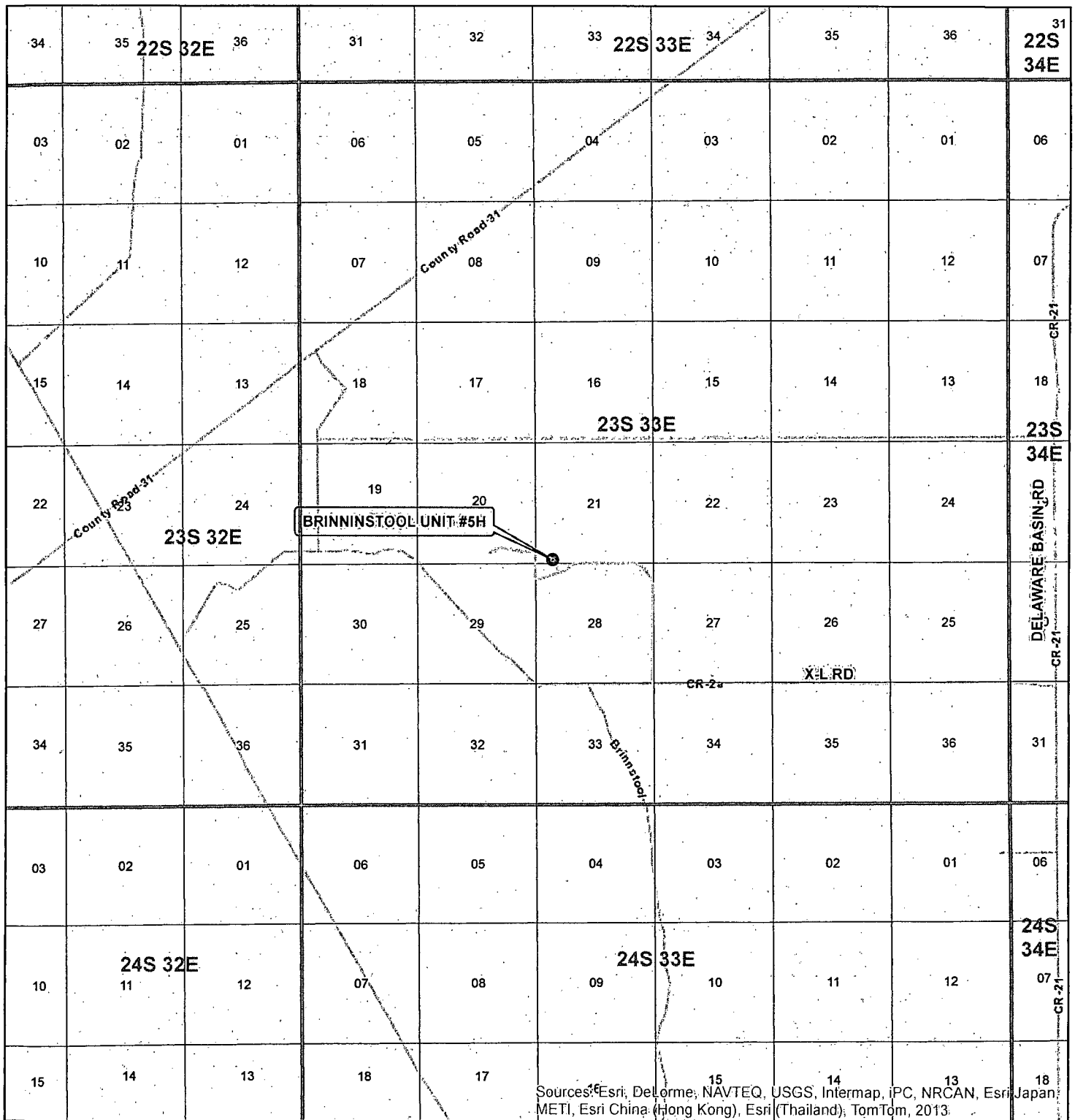
FLOWLINE MAP TOPO 12/2/2013 S.P.

CONCHO
 COG OPERATING, LLC

HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



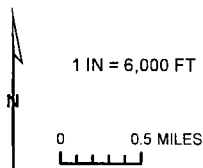
VICINITY MAP



SEC. 21, TWP. 23 S, RGE. 33 E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: BRINNINSTOOL UNIT #5H
 190' FSL & 752' FWL

ELEVATION: 3686.7
 OPERATOR: COG OPERATING LLC
 LEASE: BRINNINSTOOL UNIT

W.O. # 13-325

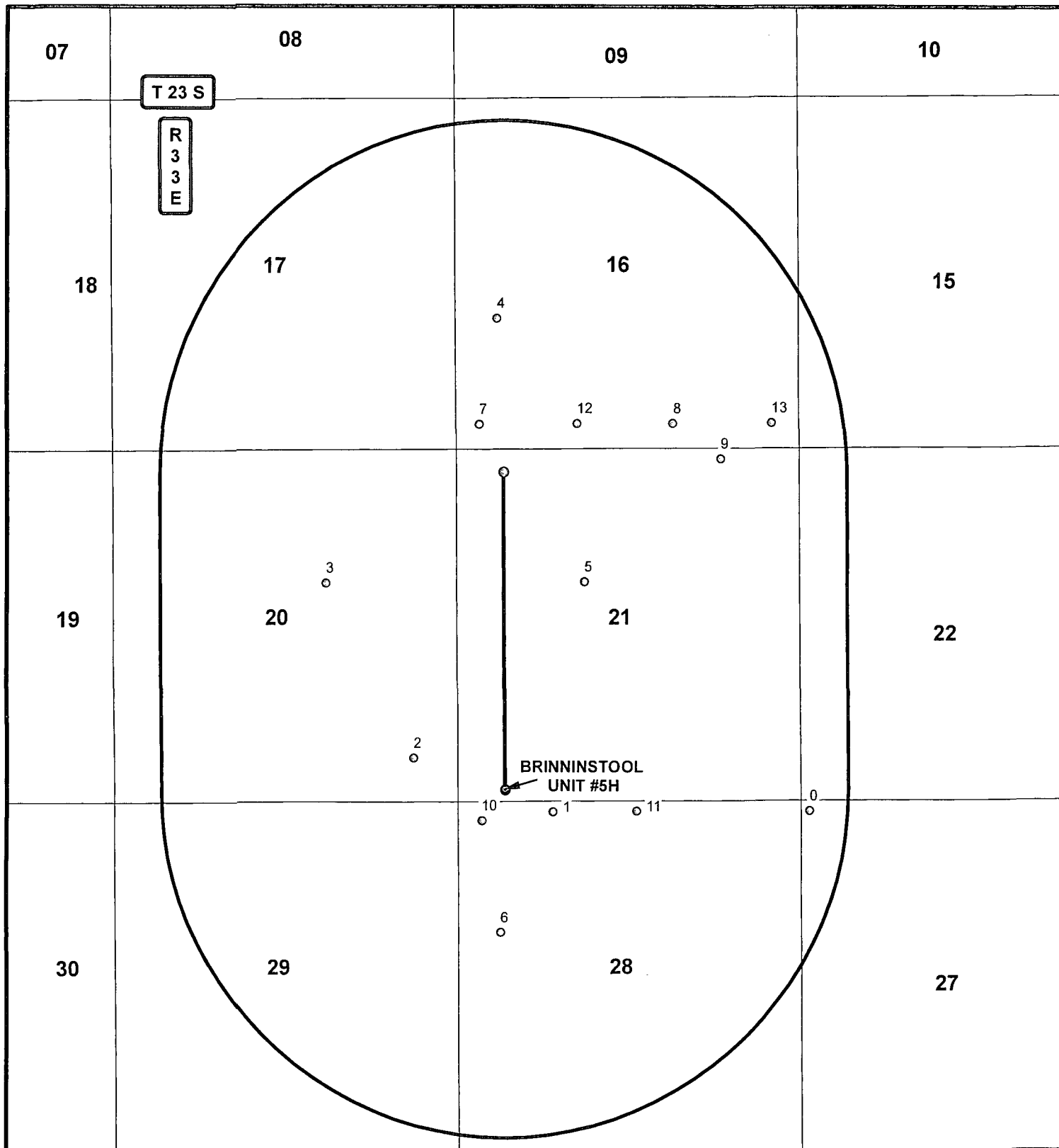


WELL
 TOWNSHIP
 SECTION

HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 5/31/2013



DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH SEPTEMBER 2013.

LEGEND

- WELLS WITHIN 1 MI.
- WELL
- BOTTOMHOLE
- 1 MILE BUFFER

BRINNINSTOOL UNIT #5H

SEC: 21 TWP: 23 S. RGE: 33 E. ELEVATION: 3686.7'
 STATE: NEW MEXICO COUNTY: LEA 190' FSL, 752' FWL
 W.O. # 13-889 LEASE: BRINNINSTOOL UNIT SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles 1 IN = 2,000 FT

1 MILE MAP

11/27/2013

S.P.

CONCHO
 COG OPERATING, LLC

HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88216
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com

