

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, New Mexico 87505

HOBBS OCD

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

SEP 21 2015

AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-42804</b>	Pool Code <b>37570</b>	Pool Name <b>Lea; Bone Spring</b>
Property Code <b>315272</b>	Property Name <b>HARLEQUIN 27-22 FEDERAL</b>	Well Number <b>1H</b>
OGRID No. <b>258462</b>	Operator Name <b>NADEL AND GUSSMAN HEYCO, LLC.</b>	Elevation <b>3741'</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
H	27	19-S	34-E		2590	NORTH	510	EAST	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
I	22	19-S	34-E		2310	SOUTH	510	EAST	LEA

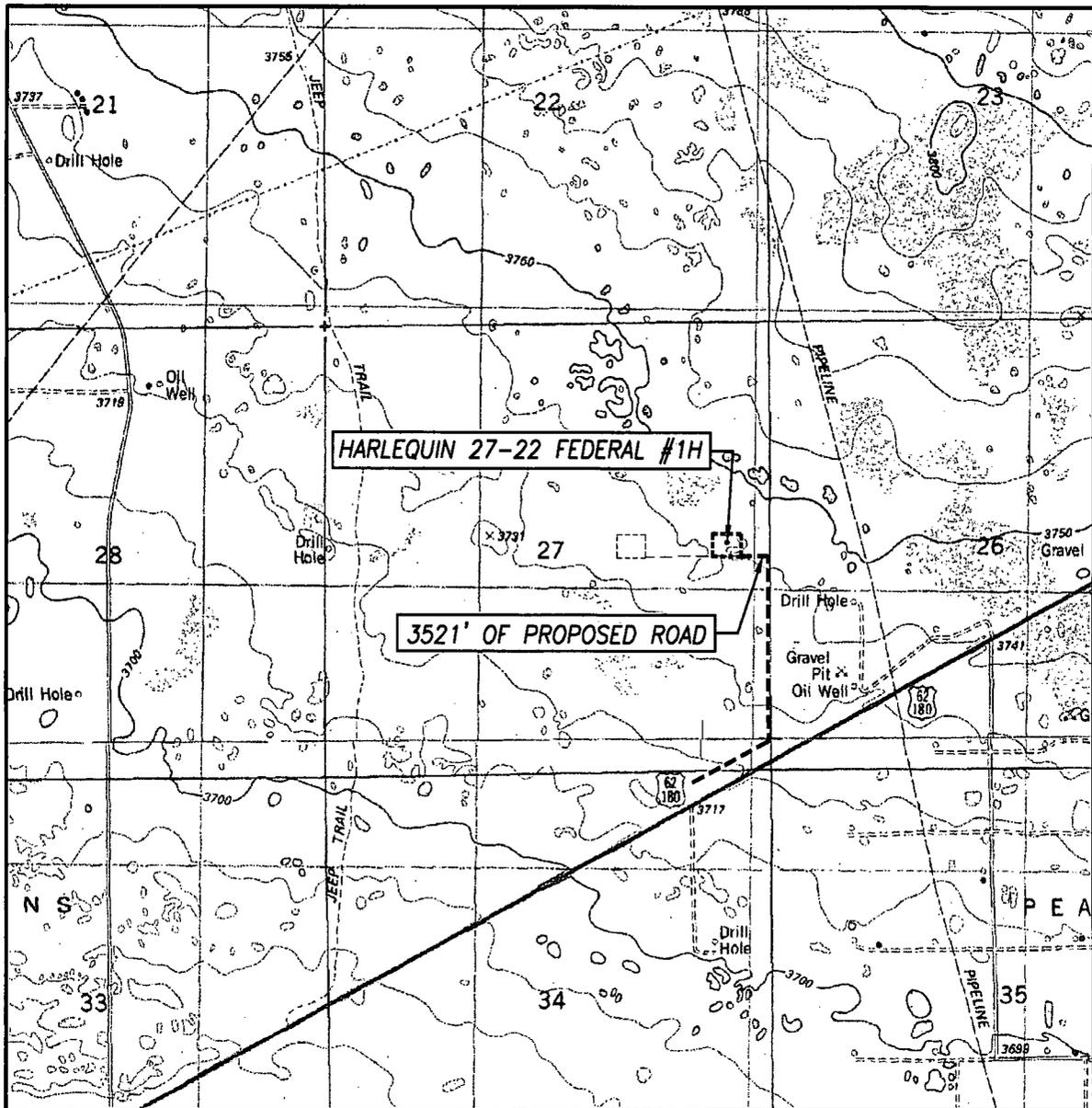
Dedicated Acres <b>160</b>	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>CORNER COORDINATES TABLE</p> <p>A - Y=599519.3 N, X=743173.4 E B - Y=599536.3 N, X=744492.8 E C - Y=594246.4 N, X=744542.3 E D - Y=594233.5 N, X=743221.7 E</p> <p>SECTION 22 SECTION 27</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=594297.4 N X=744032.0 E</p> <p>LAT.=32.631324° N LONG.=103.540651° W</p> <p>BOTTOM HOLE LOCATION Y=599196.1 N X=743986.4 E</p>		<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Keith Cannon</i> Signature Date</p> <p><b>Keith Cannon</b> Printed Name</p> <p><b>Kcannon@hexocenergy.com</b> E-mail Address</p>
		<p>SURVEYOR CERTIFICATION</p> <p>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>JANUARY 18, 2013 Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor: <i>Gary C. Eidson</i> GARY C. EIDSON NEW MEXICO REG. SURVEYOR 12641</p> <p>Certificate Number, Gary C. Eidson 12641 Ronald J. Eidson 3239</p> <p>HKL JWSC W.O.: 12.11.2022</p>
		<p>DETAIL</p> <p>3739.7' 3742.2' 600' 3737.4' 3739.7'</p> <p>SEE DETAIL S.L. 510' C</p>
		<p>GRID AZ. = 359° 27' 56\"/&gt; </p>

SEP 23 2015

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
IRON HOUSE WELL, N.M. - 10'

SEC. 27 TWP. 19-S RGE. 34-E

SURVEY \_\_\_\_\_ N.M.P.M. \_\_\_\_\_

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2590' FNL & 510' FEL

ELEVATION 3741'

OPERATOR NADEL AND GUSSMAN HEYCO, LLC.

LEASE HARLEQUIN 27-22 FEDERAL

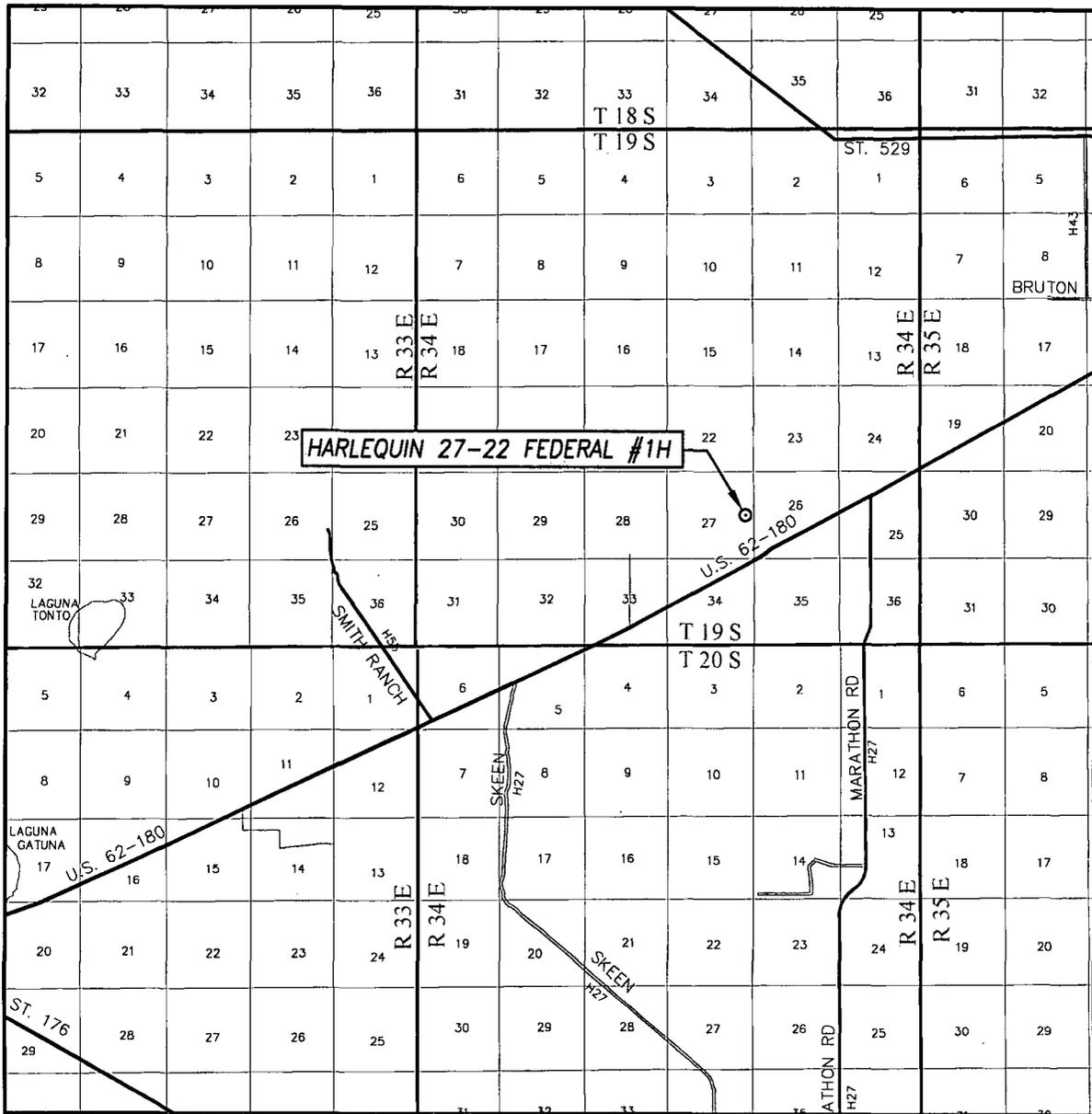
U.S.G.S. TOPOGRAPHIC MAP

IRON HOUSE WELL, N.M.



PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(575) 393-3117 [www.jwsc.biz](http://www.jwsc.biz)

# VICINITY MAP



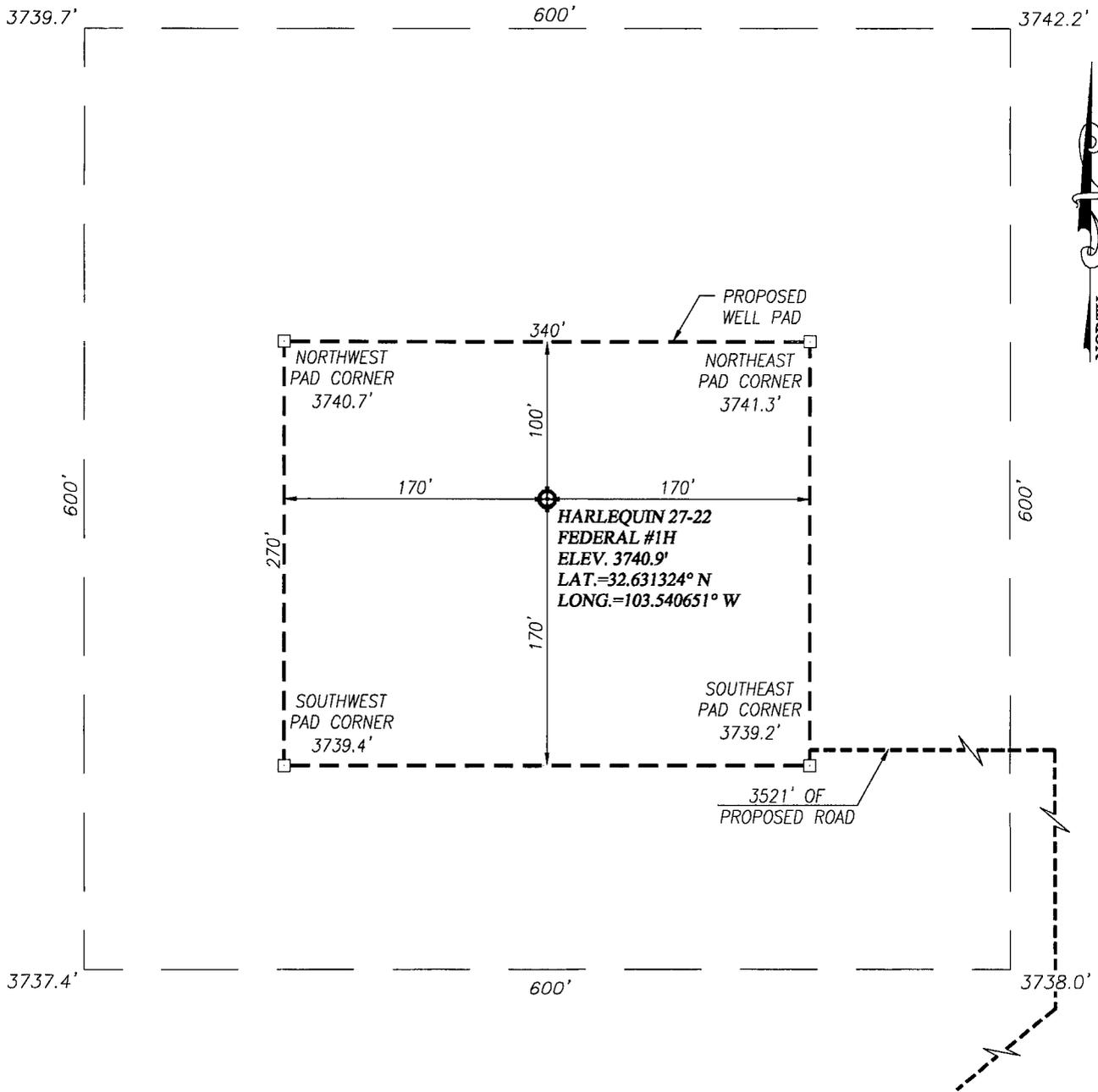
SCALE: 1" = 2 MILES

SEC. 27 TWP. 19-S RGE. 34-E  
 SURVEY N.M.P.M.  
 COUNTY LEA STATE NEW MEXICO  
 DESCRIPTION 2590' FNL & 510' FEL  
 ELEVATION 3741'  
 OPERATOR NADEL AND GUSSMAN HEYCO, LLC.  
 LEASE HARLEQUIN 27-22 FEDERAL



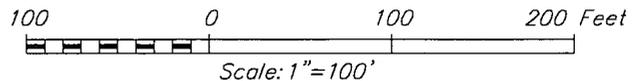
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**SECTION 27, TOWNSHIP 19 SOUTH, RANGE 34 EAST, N.M.P.M.**  
**LEA COUNTY** **NEW MEXICO**



**DIRECTIONS TO HARLEQUIN 27-22 FEDERAL #1H:**

FROM THE INTERSECTION OF HIGHWAY 62-180 AND MARATHON RD. (PAVED) GO SOUTHWEST ON HWY. 62-180 APPROX. 2.0 MILES; TURN RIGHT (NORTH) AT A LEASE RD. AND GO JUST PAST HWY R.O.W. FENCE, THEN FOLLOW ROAD SURVEY (NORTHEAST) APPROX. 0.2 MILES; TURN LEFT (NORTH) AND GO APPROX. 0.4 MILES; TURN LEFT (WEST) AND GO 317 FEET TO THE SOUTHEAST CORNER OF PROPOSED WELL PAD. THIS LOCATION IS NORTHWEST APPROX. 233 FEET.



**NADEL AND GUSSMAN HEYCO, LLC.**

**HARLEQUIN 27-22 FEDERAL #1H WELL  
 LOCATED 2590 FEET FROM THE NORTH LINE  
 AND 510 FEET FROM THE EAST LINE OF SECTION 27,  
 TOWNSHIP 19 SOUTH, RANGE 34 EAST, N.M.P.M.,  
 LEA COUNTY, NEW MEXICO**

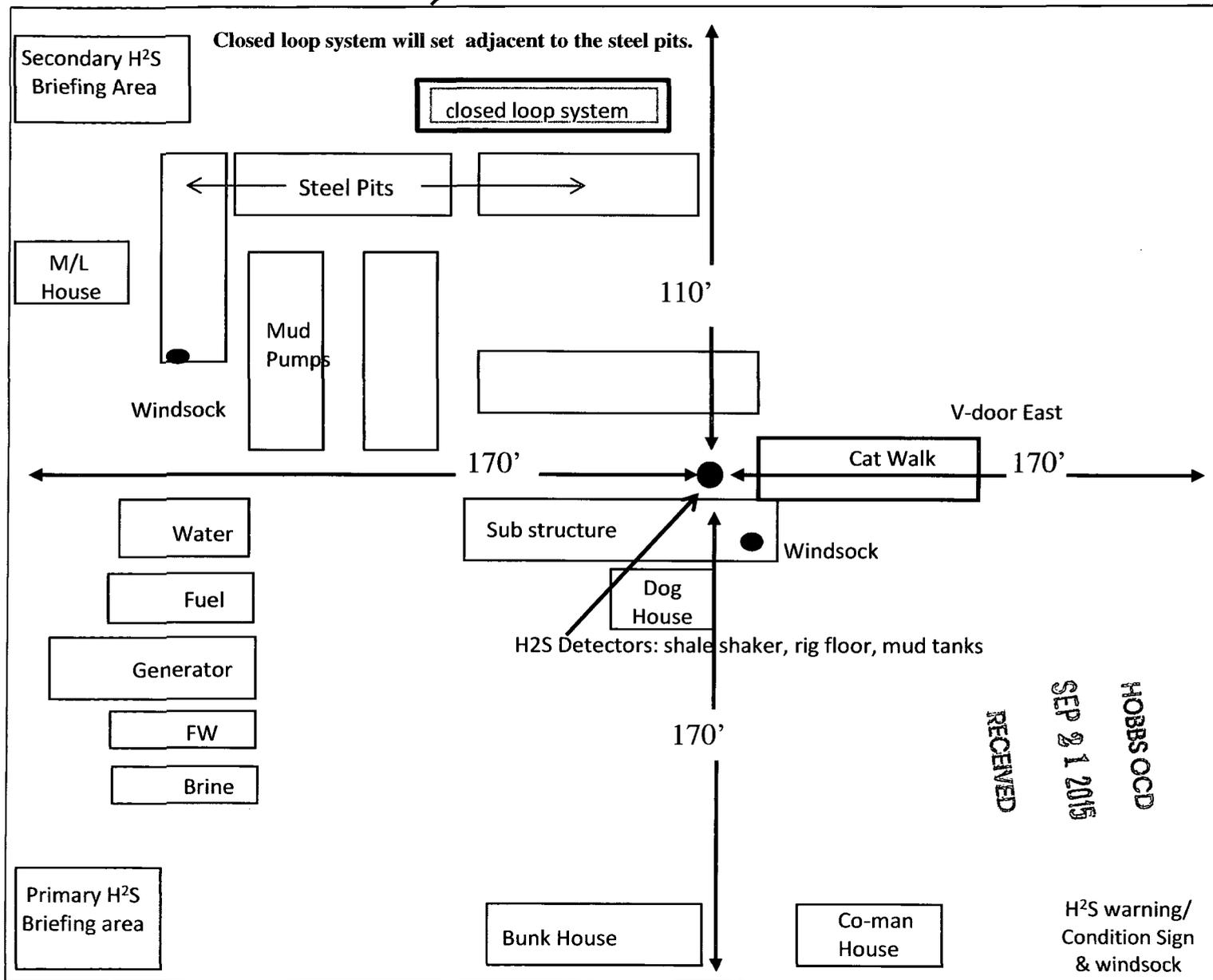
PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (575) 393-3117 www.jwsc.biz

Survey Date: 1/18/13	CAD Date: 1/23/13	Drawn By: BKL
W.O. No.: 12112022	Rev: .	Rel. W.O.: Sheet 1 of 1



Secondary egress: southwest HWY 62/180

Prevailing wind out of SW



Nadel and Gussman HEYCO pad layout 270' x 340'



terrain: sandy soil, scattered dunes

Harlequin 27-22 Federal 1H

Sec. 27, T-19S, R-34E  
Lea County NM

Location Road to Pre-existing lease road

RECEIVED  
SEP 21 2015  
HOBBS OCD

**NADEL AND GUSSMAN HEYCO, L.L.C.**  
**P.O. Box 1936**  
**Roswell, NM 88202**  
**(575) 623-6601 (Office)**

12/8/11

Mr. Ingram  
Carlsbad BLM Field Office  
620 E. Greene St.  
Carlsbad, NM 88220

**Re: Harlequin 27/22 Federal # 1H**  
**Sec. 27, T19S, R34E**  
**Lea, NM**  
**Rule 118 H2S Exposure**

Dear Mr. Ingram,

Nadel and Gussman HEYCO, LLC have evaluated this well and we do not expect to encounter hydrogen sulfide. However, we will employ a third party monitoring system. We will begin monitoring prior to drilling out the surface casing and will continue monitoring the remainder of the well.

Please contact me if you have any additional questions.

Sincerely,

Keith Cannon  
Drilling Superintendent