

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., 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
JAN 19 2016
RECEIVED

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-	Pool Code 27400 22220	Pool Name GEM; BONE SPRING
Property Code 317177	Property Name GERONIMO FEDERAL COM	Well Number 11H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3599.6'

Surface Location

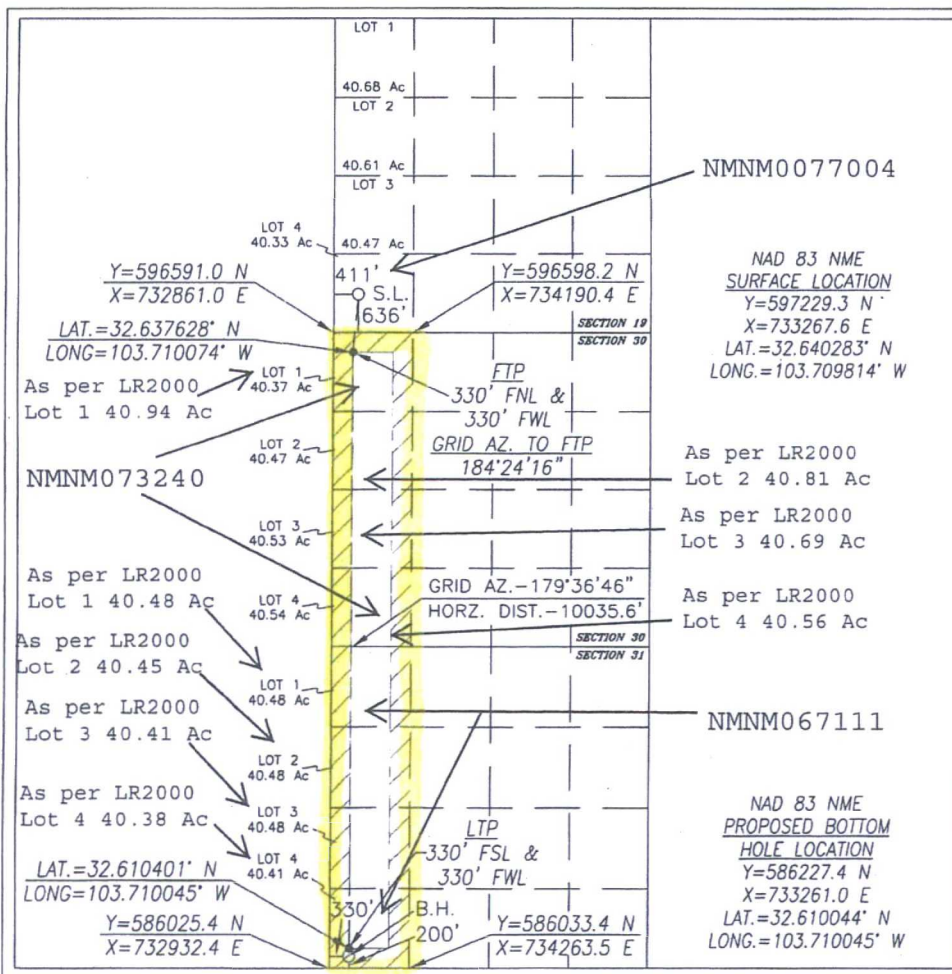
UL or lot No.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
M 4	19	19-S	33-E	4	636	SOUTH	411	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
M 4	31	19-S	33-E	4	200	SOUTH	330	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
324.72			

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.

Mayte Reyes 11-3-16
Signature Date

Mayte Reyes

Printed Name

mreyes1@concho.com

E-mail Address

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 27, 2016

Date of Survey

Signature & Seal of Professional Surveyor



Chad L. Harcrow 11/1/16
Certificate No. CHAD HARCROW 17777
W.O. # 16-867 DRAWN BY: SP

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3460 Fax: (505) 476-3462

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Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
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District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-	Pool Code 27400 27220	Pool Name GEM; BONE SPRING
Property Code 712577	Property Name GERONIMO FEDERAL COM	Well Number 11H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3599.6

Surface Location

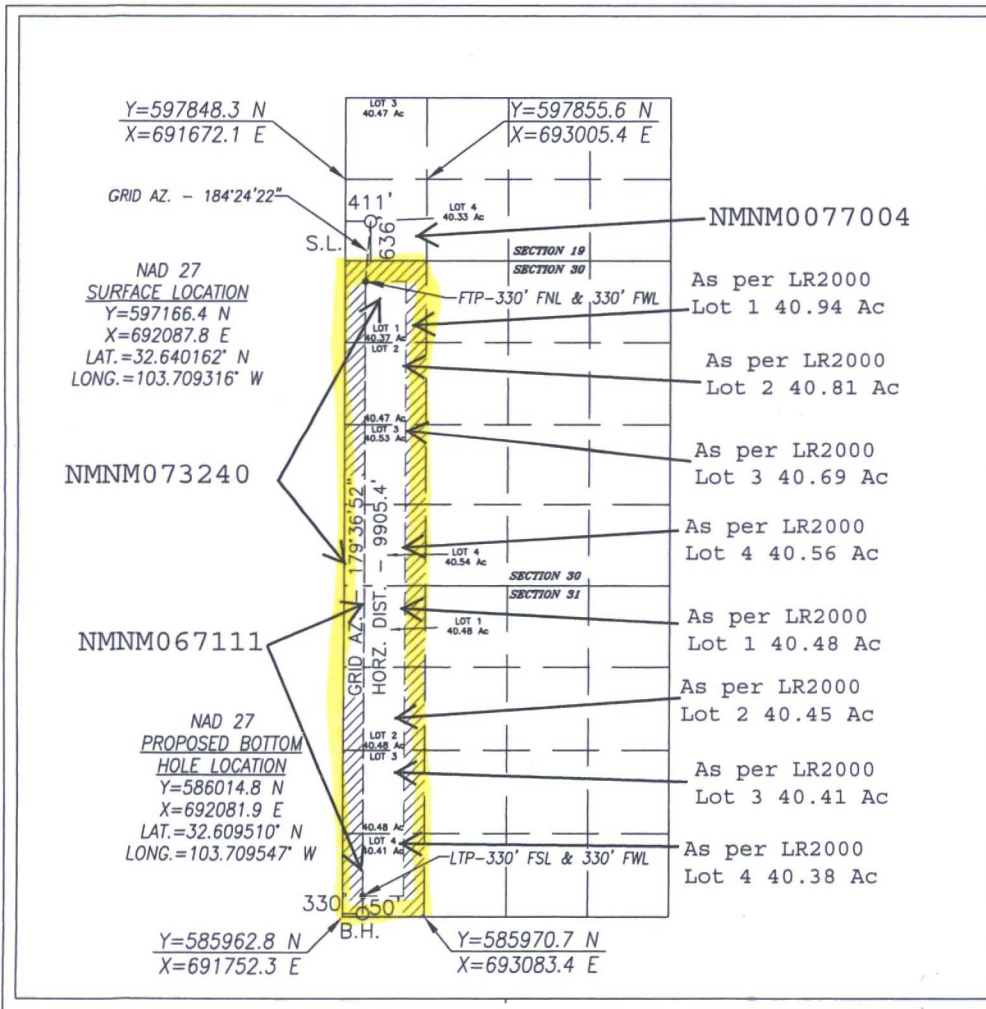
UL or lot No. M4	Section 19	Township 19-S	Range 33-E	Lot Idn 4	Feet from the 636	North/South line SOUTH	Feet from the 411	East/West line WEST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No. M4	Section 31	Township 19-S	Range 33-E	Lot Idn 4	Feet from the 50	North/South line SOUTH	Feet from the 330	East/West line WEST	County LEA
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
324.72			

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 Mate Reyes Date 7-13-16

Mayte Reyes
Printed Name
mreyes1@concho.com
E-mail Address

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 27, 2016

Date of Survey

Signature & Seal of Professional Surveyor

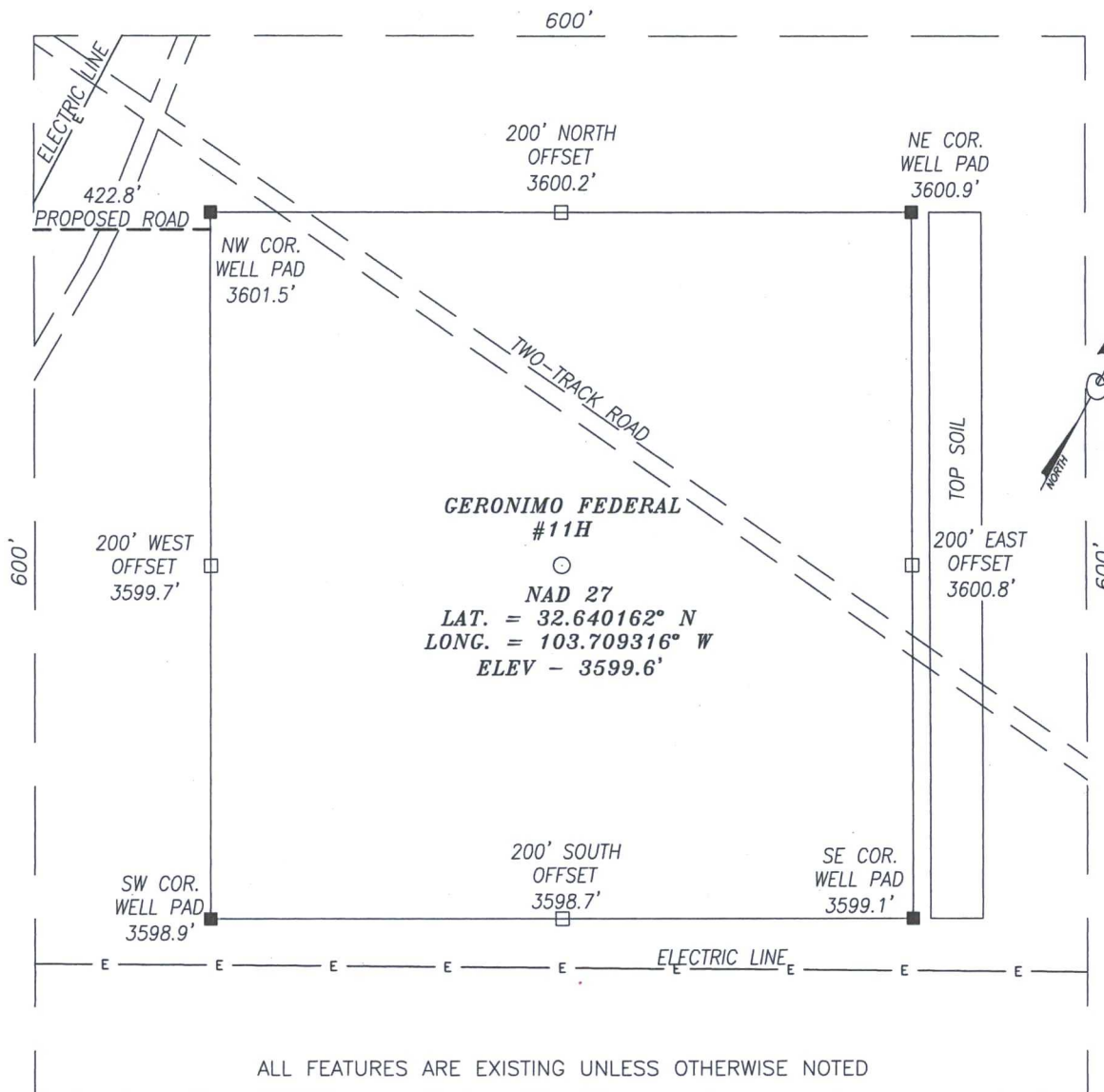


CHAD HARCROW 6/14/16
Certificate No. CHAD HARCROW 17777
W.O. # 16-414 DRAWN BY: CH

SECTION 19, TOWNSHIP 19 SOUTH, RANGE 33 EAST, N.M.P.M.,

LEA COUNTY

NEW MEXICO



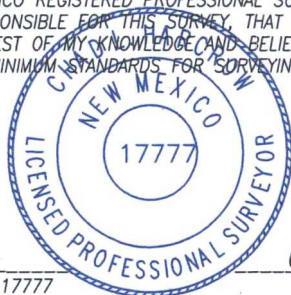
ALL FEATURES ARE EXISTING UNLESS OTHERWISE NOTED

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF DRY LAKE ROAD & MAJAMAR ROAD (CR 126), GO EAST APPROX. 5.0 MILES; THEN TURN RIGHT (SOUTHEASTERLY) AND GO APPROX. 0.7 MILES; THEN TURN LEFT (EASTSOUTHEAST) AND GO APPROX. 0.1 MILE; THEN TURN RIGHT (SOUTHEAST) AND GO APPROX. 0.6 MILES; THEN TURN LEFT (EASTSOUTHEAST) AND GO APPROX. 0.2 MILES; THEN RIGHT (SOUTHWEST) AND GO APPROX. 0.7 MILES; THEN TURN RIGHT (NORTH) AND GO APPROX. 0.1 MILES; THEN TURN LEFT (WEST) AND GO APPROX. 0.2 MILES; THEN TURN RIGHT (NORTH) AND GO APPROX. 0.1 MILES; THEN TURN LEFT (WEST) AND GO APPROX. 330 FEET; THEN TURN RIGHT (NORTH) AND GO APPROX. 260 FEET TO A PROPOSED ROAD; THE PROPOSED WELL IS APPROX. 650 EAST.

CERTIFICATION

I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777

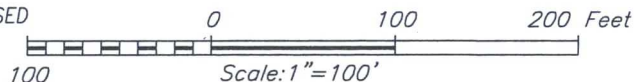
6/2/16
DATE

HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210

PH: (575) 746-2158 FAX: (575) 746-2158

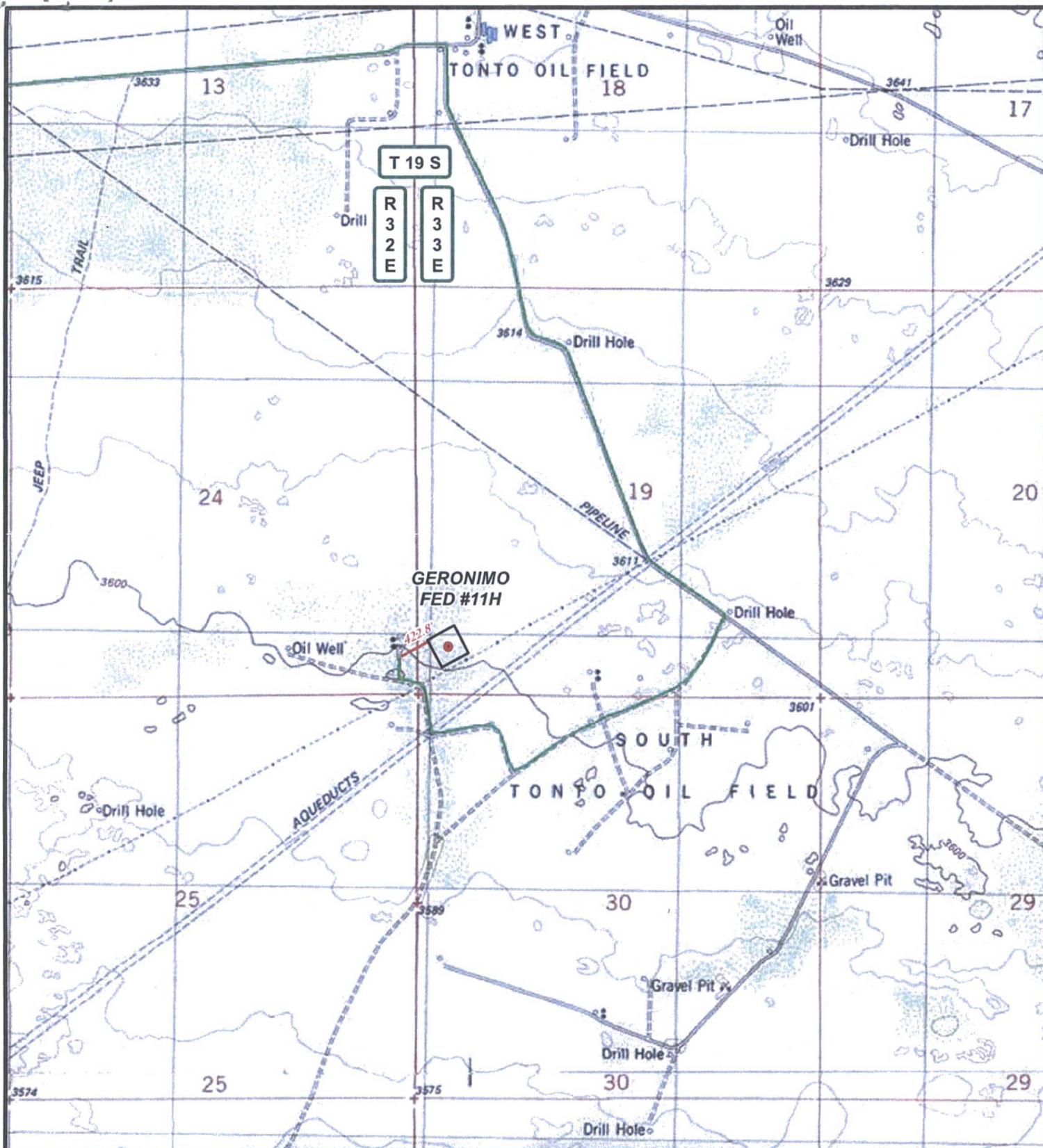
c.harcrow@harcrowsurveying.com



COG OPERATING, LLC

GERONIMO FEDERAL #11H WELL
LOCATED 636 FEET FROM THE SOUTH LINE
AND 411 FEET FROM THE WEST LINE OF SECTION 19,
TOWNSHIP 19 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: MAY 26, 2016	PAGE: 1 OF 1
DRAFTING DATE: MAY 31, 2016	
APPROVED BY: CH	DRAWN BY: CH FILE: 16-414



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

GERONIMO FED #11H

SEC: 19 TWP: 19 S. RGE: 33E. ELEVATION: 3599.6
 STATE: NEW MEXICO COUNTY: LEA 636' FSL & 411' FWL
 W.O. # 16-414 LEASE: GERONIMO FED SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles

1 IN = 2,000 FT

LOCATION MAP

TOPO

06/02/16

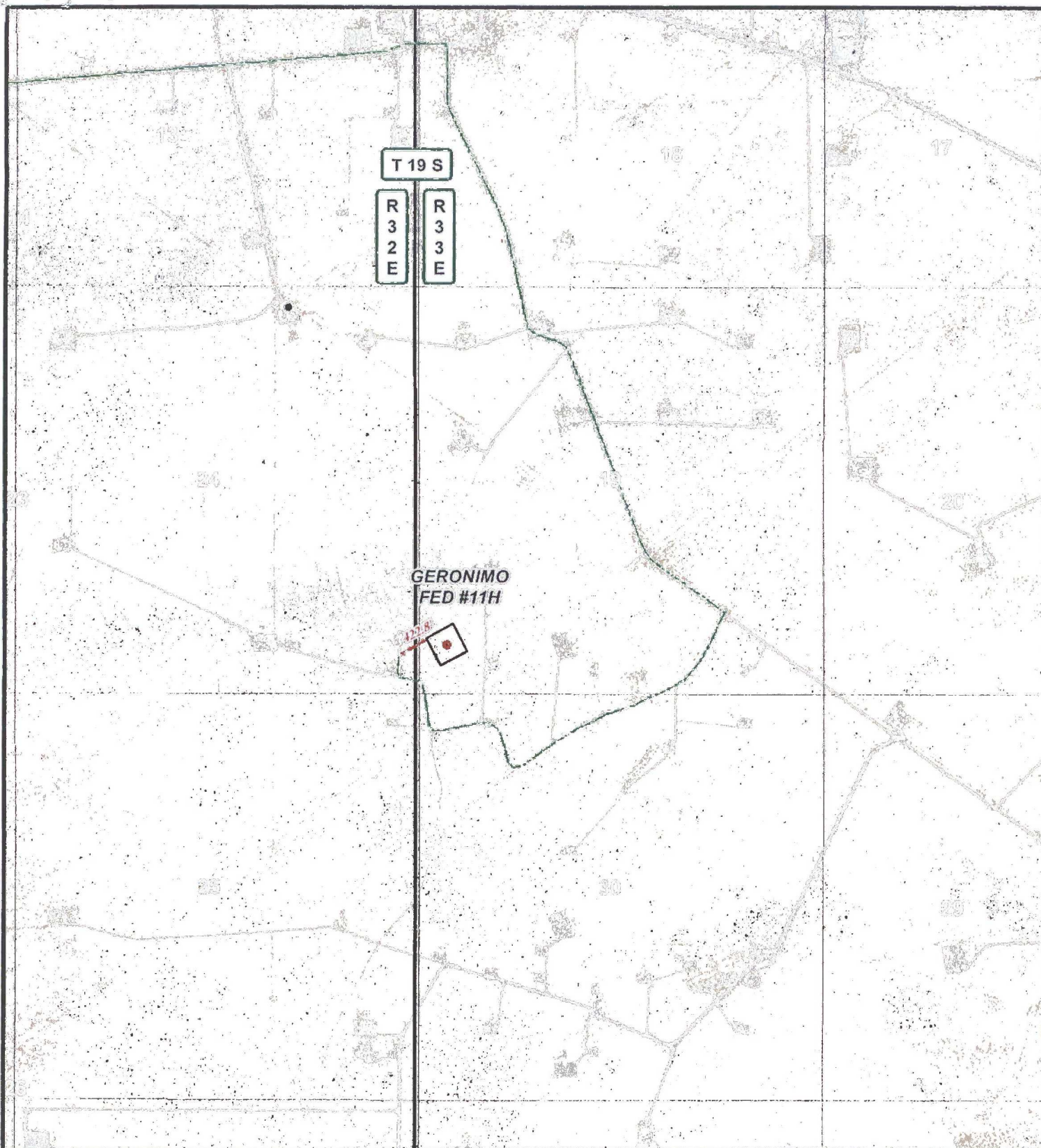
C.H.

CONCHO

COG OPERATING, LLC



HARCROW SURVEYING, LLC.
 2314 W. MAIN ST, ARTESIA, NM 88210
 PH: (575) 746-2158 FAX: (575) 746-2158
 c.harcrow@harcrowsurveying.com



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

GERONIMO FED #11H

SEC: 19	TWP: 19 S.	RGE: 33E.	ELEVATION: 3599.6
STATE: NEW MEXICO	COUNTY: LEA	636' FSL & 411' FWL	
W.O. # 16-414	LEASE: GERONIMO FED	SURVEY: N.M.P.M	

0 2,500 5,000 FEET

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

LOCATION MAP

IMAGERY

06/02/16

C.H.

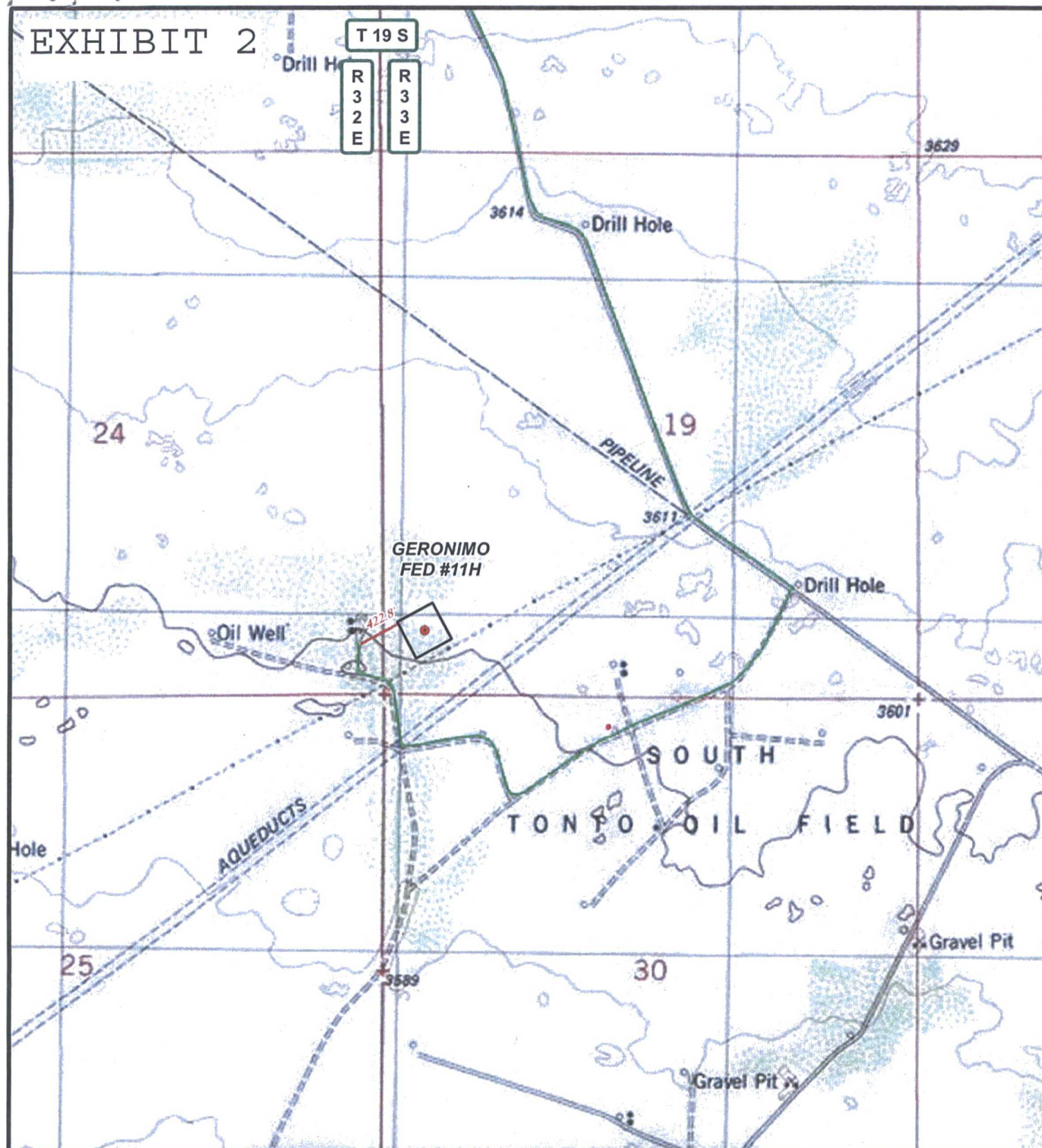
CONCHO

COG OPERATING, LLC



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 2314 W. MAIN ST, ARTESIA, NM 88210
 PH: (575) 746-2158 FAX: (575) 746-2158
charcrow@harcrowsurveying.com

EXHIBIT 2



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

GERONIMO FED #11H

SEC: 19	TWP: 19 S.	RGE: 33E.	ELEVATION: 3599.6
STATE: NEW MEXICO	COUNTY: LEA	636' FSL & 411' FWL	
W.O. # 16-414	LEASE: GERONIMO FED	SURVEY: N.M.P.M	



1 IN = 1,500 FT

LOCATION MAP

TOPO ROAD

06/02/16

C.H.

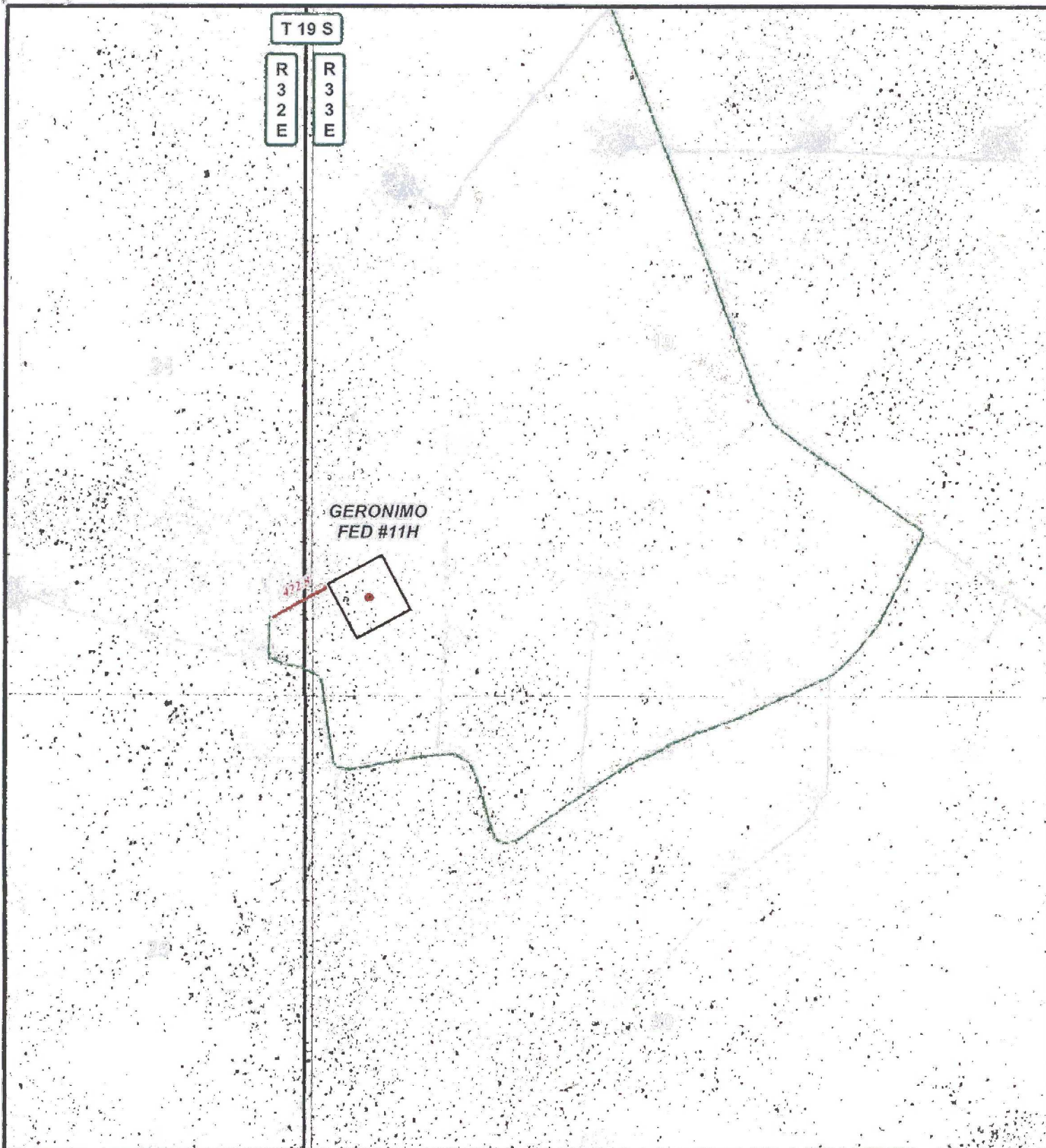


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c.harcrow@harcrowsurveying.com



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

GERONIMO FED #11H

SEC: 19	TWP: 19 S.	RGE: 33E.	ELEVATION: 3599.6
STATE: NEW MEXICO	COUNTY: LEA	636' FSL & 411' FWL	
W.O. # 16-414	LEASE: GERONIMO FED	SURVEY: N.M.P.M	

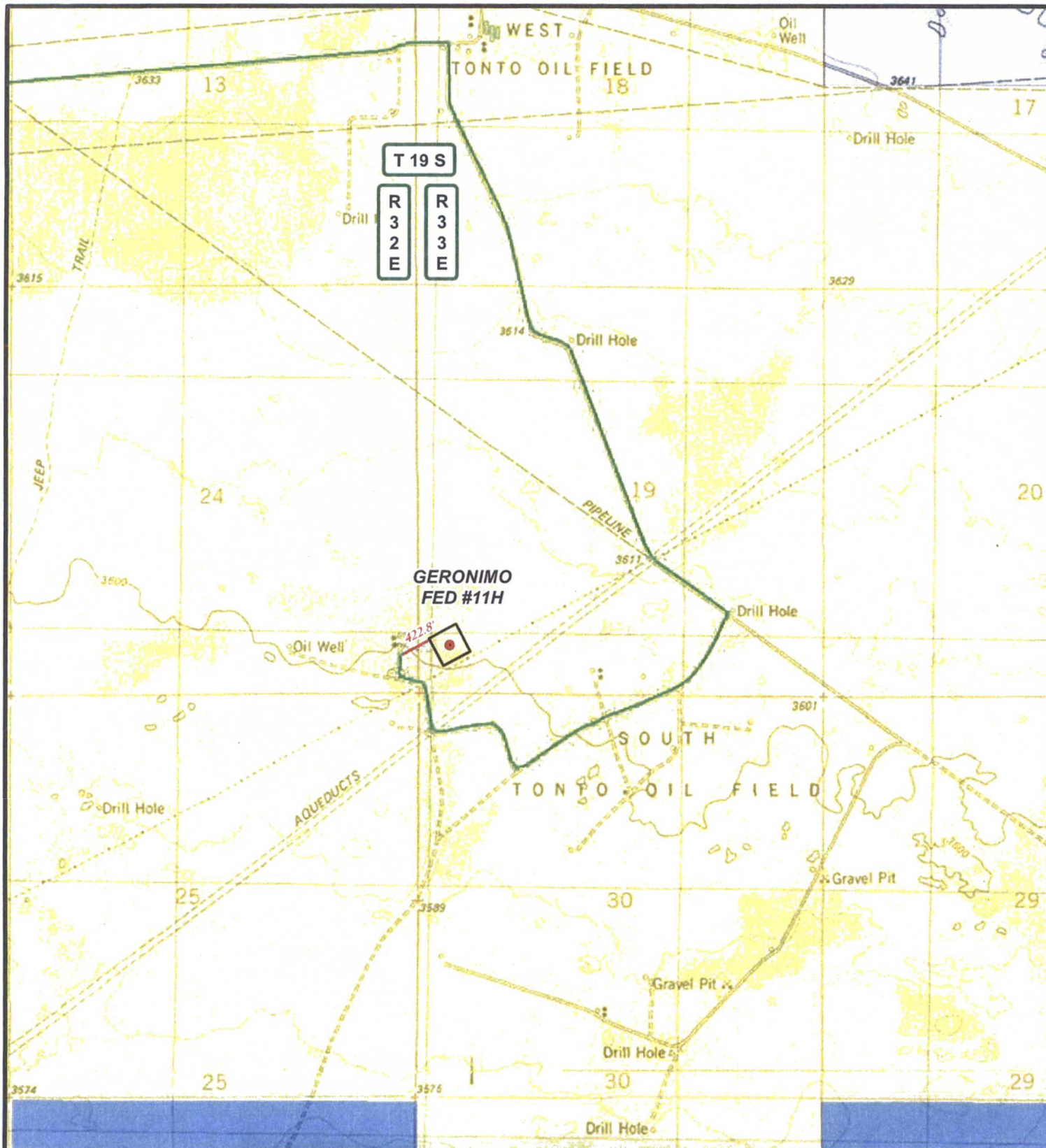


LOCATION MAP	IMAGERY ROAD	06/02/16	C.H.
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CONCHO

COG OPERATING, LLC

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 2314 W. MAIN ST, ARTESIA, NM 88210
 PH: (575) 746-2158 FAX: (575) 746-2158
c.harcrow@harcrowsurveying.com



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD
- PRIVATE
- STATE OF NM
- US BLM

GERONIMO FED #11H

SEC: 19	TWP: 19 S.	RGE: 33E.	ELEVATION: 3599.6
STATE: NEW MEXICO	COUNTY: LEA	636' FSL & 411' FWL	
W.O. # 16-414	LEASE: GERONIMO FED	SURVEY: N.M.P.M	



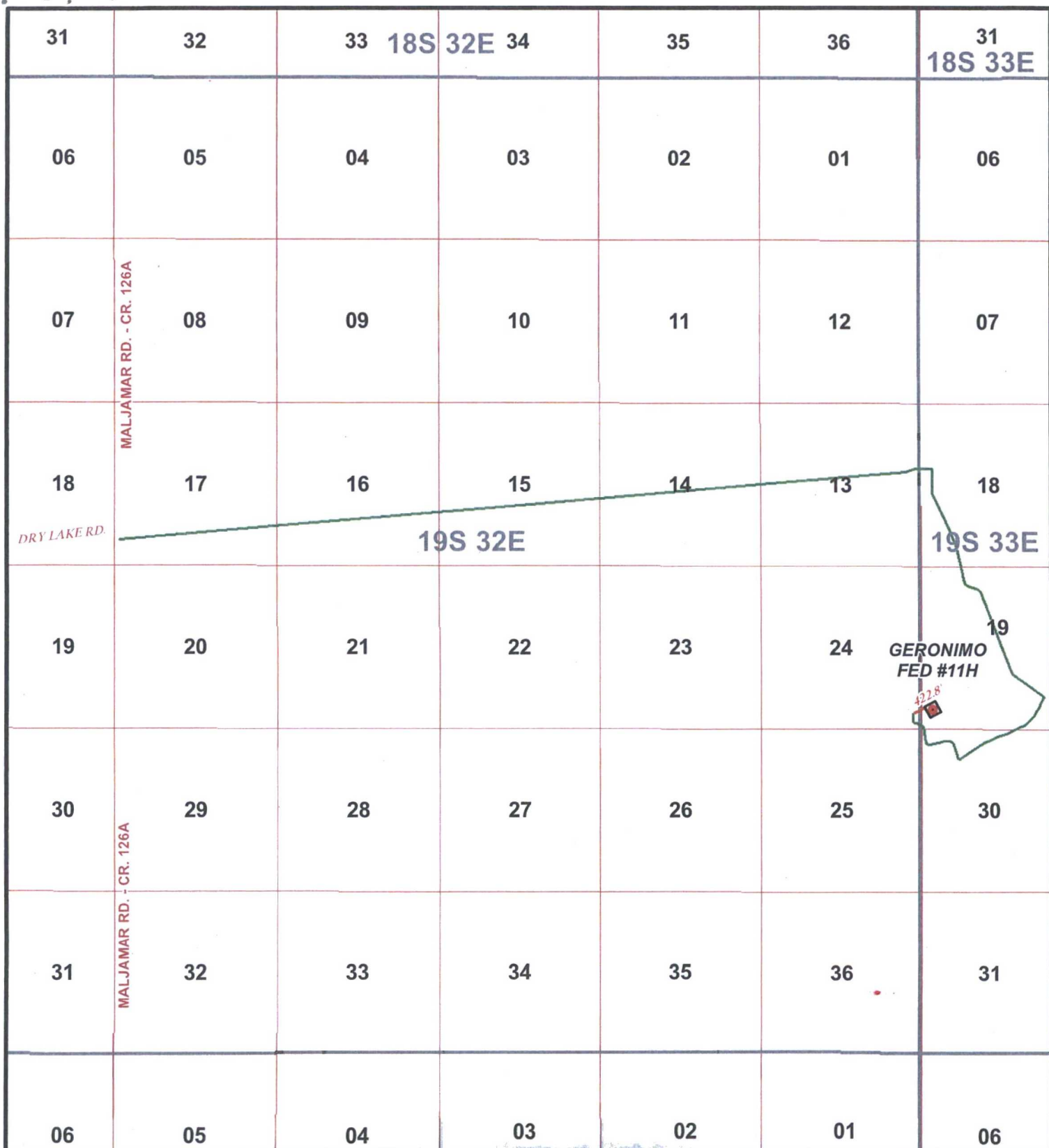
LOCATION MAP	LAND STATUS	06/02/16 C.H.
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COG OPERATING, LLC



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 PH: (575) 746-2158 FAX: (575) 746-2158
 c.harcrow@harcrowsurveying.com



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

GERONIMO FED #11H

SEC: 19 TWP: 19 S. RGE: 33E. ELEVATION: 3599.6
 STATE: NEW MEXICO COUNTY: LEA 636' FSL & 411' FWL
 W.O. # 16-414 LEASE: GERONIMO FED SURVEY: N.M.P.M

0 2,500 5,000 7,500 10,000 12,500 FEET

0 0.325 0.65 1.3 Miles

1 IN = 5,000 FT

WELL LOCATION

VICINITY

06/02/16

C.H.

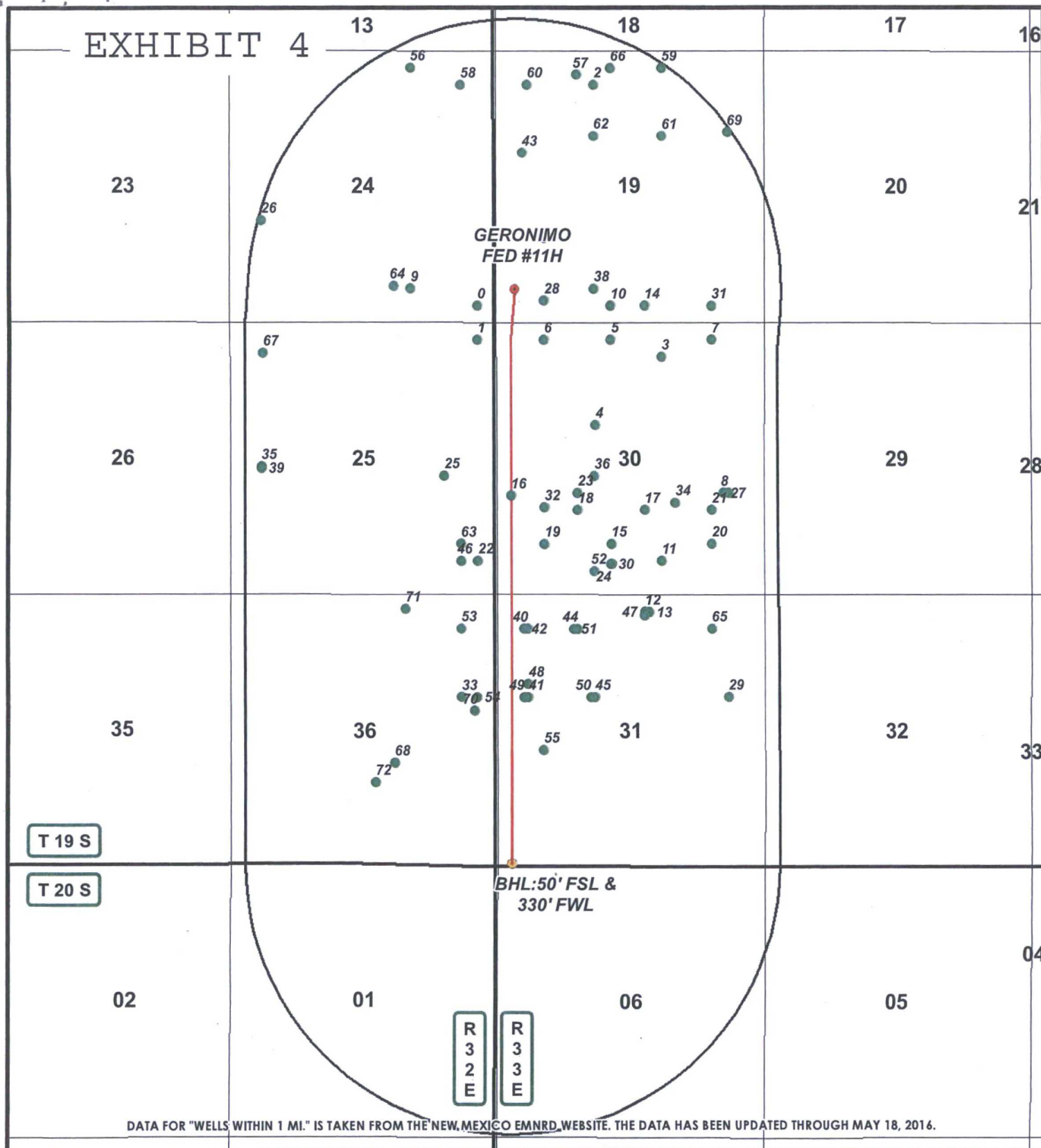


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 c.harcrow@harcrowsurveying.com

EXHIBIT 4



DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH MAY 18, 2016.

LEGEND

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

GERONIMO FED #11H

SEC: 19 TWP: 19 S. RGE: 33E. ELEVATION: 3599.6
 STATE: NEW MEXICO COUNTY: LEA 636' FSL & 411' FWL
 W.O. # 16-414 LEASE: GERONIMO FED SURVEY: N.M.P.M

0 2,500 5,000 7,500 FEET

0 0.2 0.4 0.8 Miles

1 IN = 3,000 FT

1 MILE MAP

06/02/16

C.H.

CONCHO

COG OPERATING, LLC



HARCROW SURVEYING, LLC.

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c.harcrow@harcrowsurveying.com