

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: (505) 334-6178 Fax: (505) 334-6170

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) 476-3400 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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

SEP 22 2014

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-	Pool Code 41460	Pool Name Lusk; Bone Spring, South
Property Code 40118	Property Name NIGHTCAP 6 FEDERAL	Well Number 2H
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3523.7

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	31	19-S	32-E		1680	SOUTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

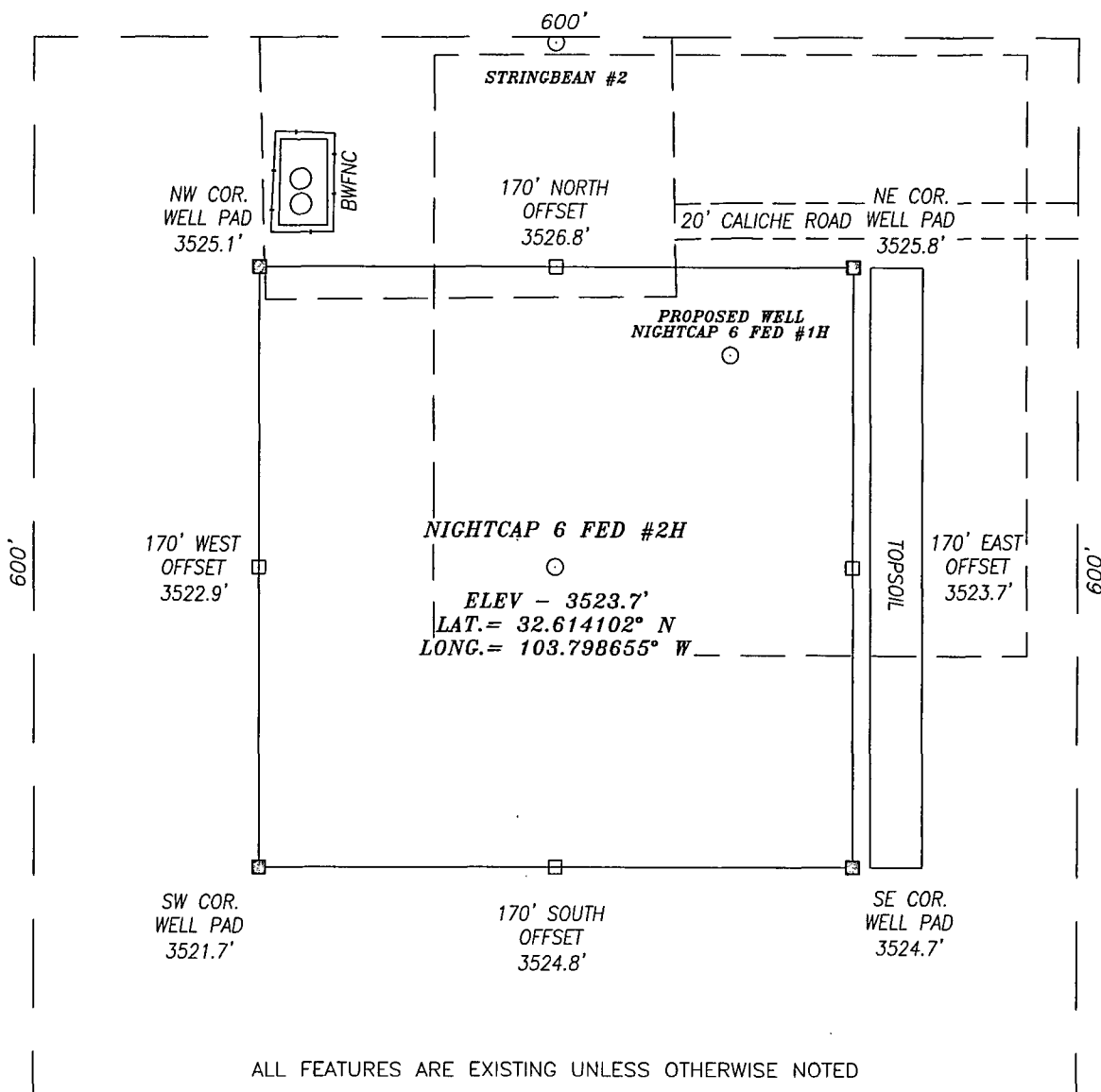
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	6	20-S	32-E		330	SOUTH	2310	EAST	LEA

Dedicated Acres 159.94	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

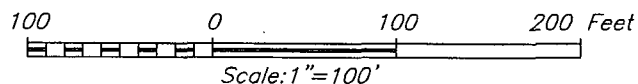
NAD 27 SURFACE LOCATION Y=587536.0 N X=664634.4 E LAT.=32.614102° N LONG.=103.798655° W NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=580928.8 N X=663002.1 E LAT.=32.595964° N LONG.=103.804062° W	LOT 1 39.97 Ac. LOT 2 39.70 Ac. LOT 3 39.81 Ac. LOT 4 39.70 Ac. LOT 5 41.08 Ac. LOT 6 41.71 Ac. LOT 7 42.25 Ac. Y=587238.5 N X=663968.9 E Y=585857.0 N X=663969.3 E Y=585858.8 N X=662646.4 E Y=585857.9 N X=663312.3 E Y=580592.8 N X=663989.3 E 39.94 Ac As per LR2000 39.08 Ac. LOT 5 39.14 Ac. LOT 6 39.22 Ac. LOT 7 Y=580600.9 N X=662665.1 E 39.20 Ac. 330' 2310' CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR Signature Date Printed Name mparker@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. DECEMBER 14, 2013 Date of Survey Signature & Seal of Professional Surveyor
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SECTION 31, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF LUSK RD AND CR #126A (MALJAMAR RD) GO APPROX. 2.4 MILES SOUTH ALONG MALJAMAR RD; THEN TURN RIGHT (WEST) ONTO A CALICHE LEASE RD AND GO APPROX. 0.1 MILE TO EXISTING STRINGBEAN #2 WELL PAD; GO TO THE SOUTHEAST PAD CORNER; THEN PROPOSED WELL IS APPROX. 165 FEET SOUTHWEST.



HARCROW SURVEYING, LLC
2314 W. MAIN ST, ARTESIA, N.M. 88210
PH: (575) 513-2570 FAX: (575) 746-2158
chad_harcrow77@yahoo.com



COG OPERATING, LLC

NIGHTCAP 6 FED #2H WELL
LOCATED 1680 FEET FROM THE SOUTH LINE
AND 660 FEET FROM THE EAST LINE OF SECTION 31,
TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 12/14/2013

PAGE: 1 OF 1

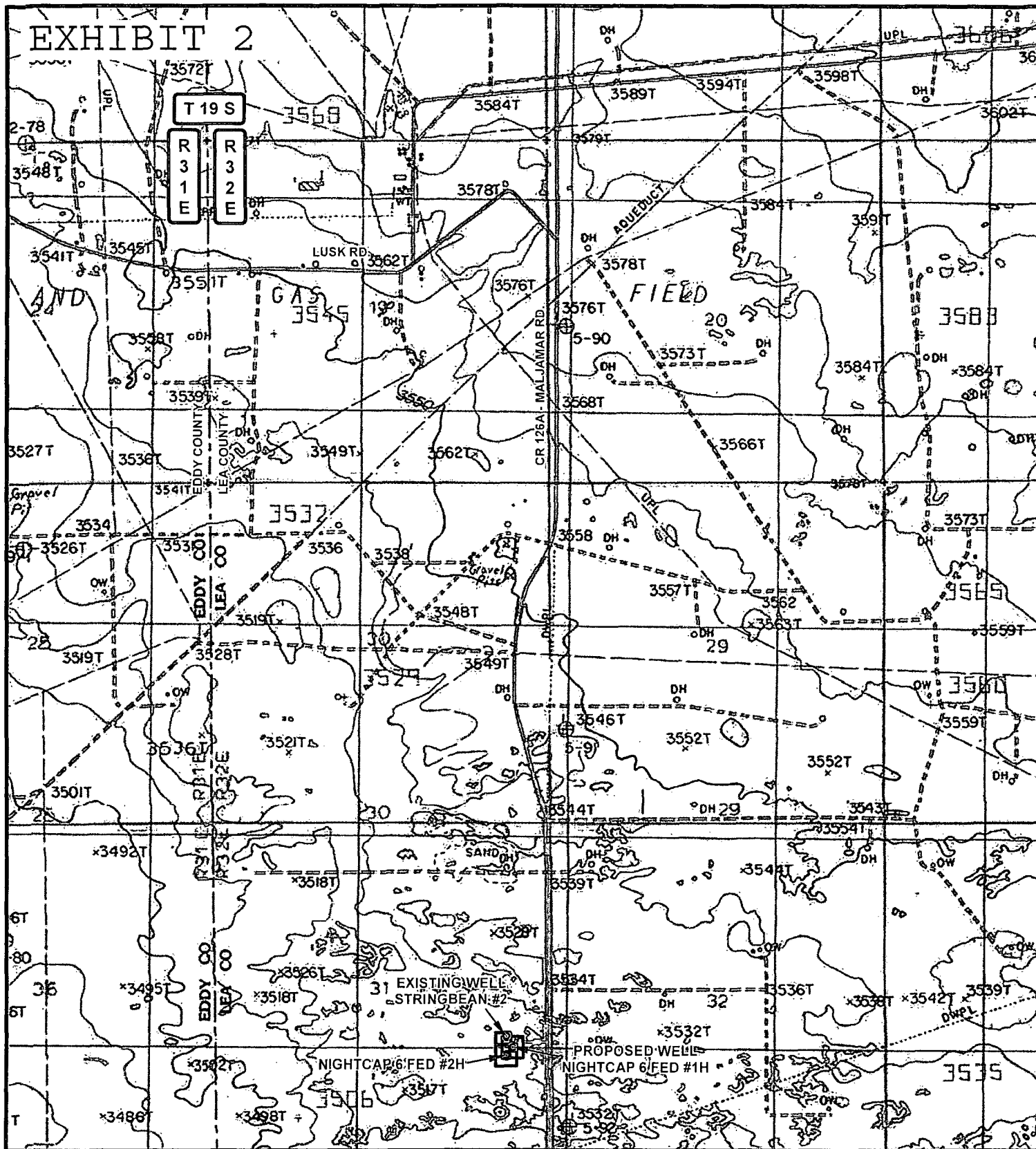
DRAFTING DATE: 12/15/2013

APPROVED BY: CH

DRAWN BY: SP

FILE: 13-987

EXHIBIT 2

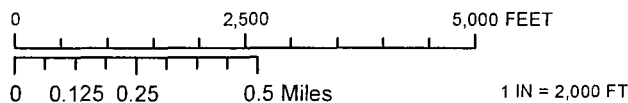


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

WELL NAME: NIGHTCAP 6 FED #2H

SEC: 31 TWP: 19 S. RGE: 32 E. ELEVATION: 3523.7'
 STATE: NEW MEXICO COUNTY: LEA 1680' FSL & 660' FEL
 W.O. # 13-987 LEASE: NIGHTCAP 6 FED SURVEY: N.M.P.M



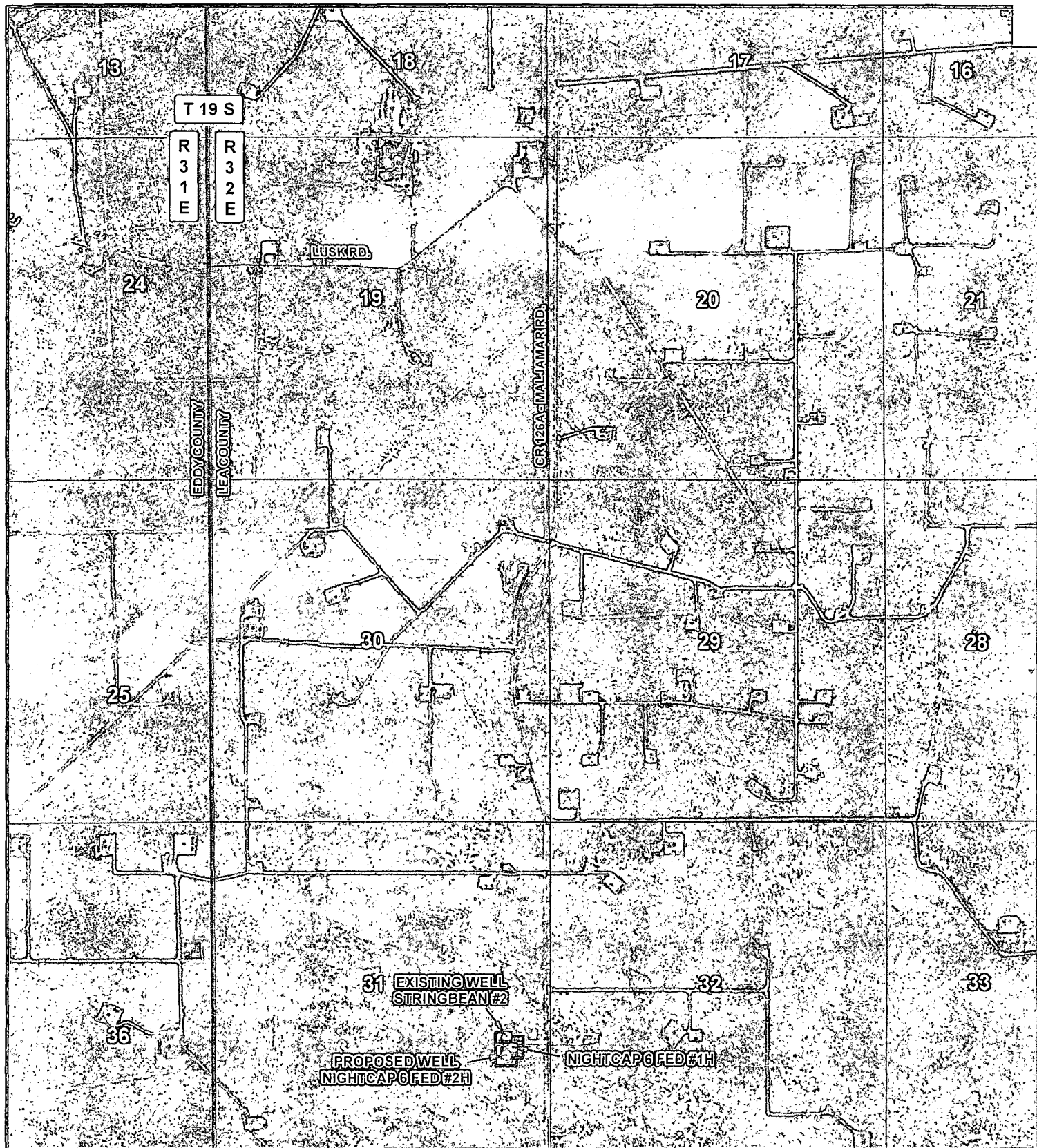
LOCATION MAP TOPO 12/19/2013 S.P.

CONCHO

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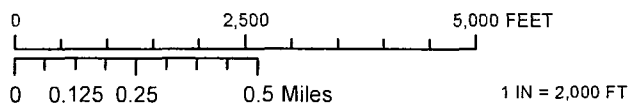


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

WELL NAME: NIGHTCAP 6 FED #1H

SEC: 31 TWP: 19 S. RGE: 32 E. ELEVATION: 3523.6'
 STATE: NEW MEXICO COUNTY: LEA 1800' FSL & 560' FEL
 W.O. # 13-986 LEASE: NIGHTCAP 6 FED SURVEY: N.M.P.M



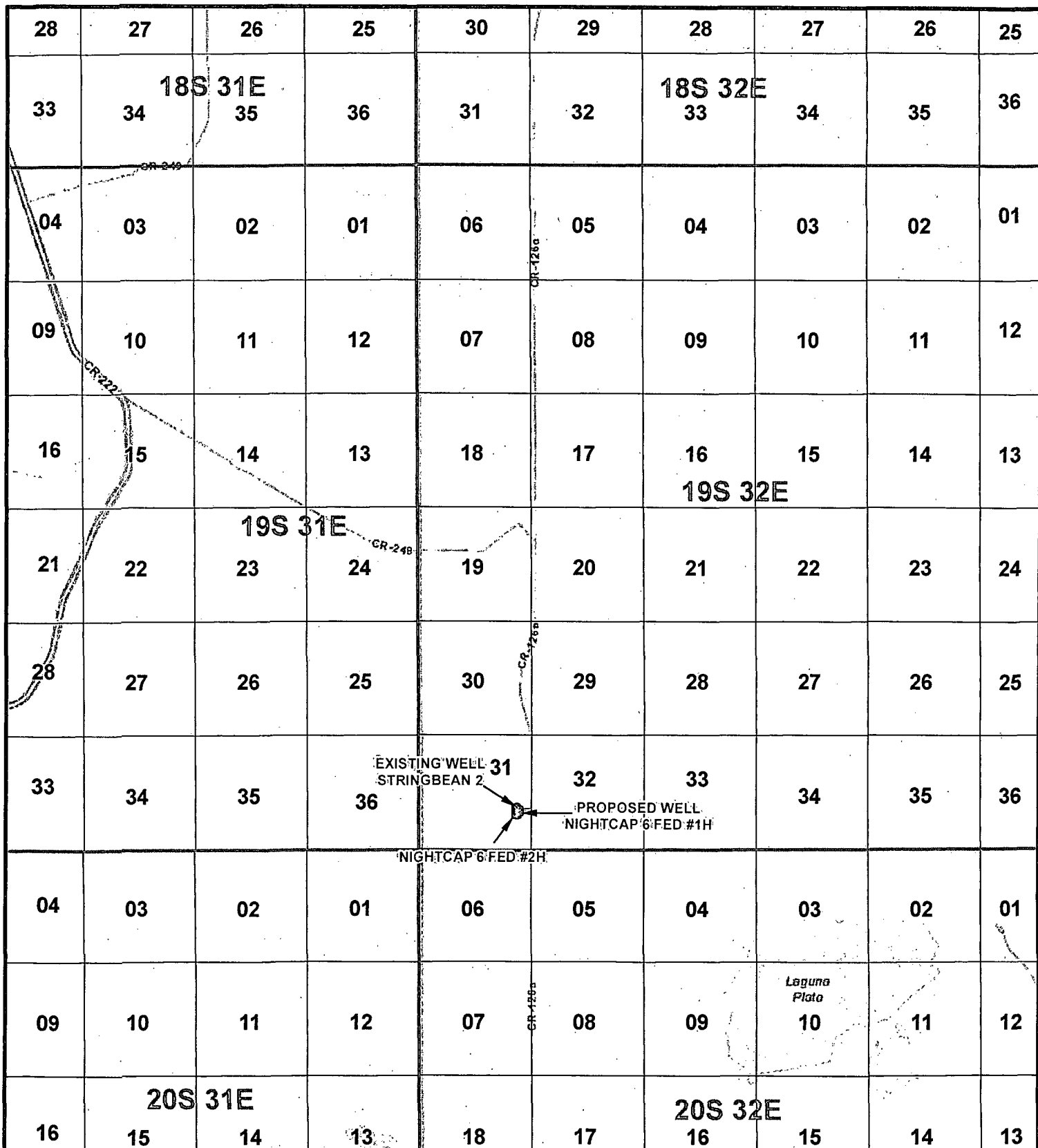
LOCATION MAP IMAGERY 12/10/2012 SD



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LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

WELL NAME: NIGHTCAP 6 FED #2H

SEC: 31 TWP: 19 S. RGE: 32 E. ELEVATION: 3523.7'

STATE: NEW MEXICO COUNTY: LEA 1680' FSL & 660' FEL

W.O. # 13-987 LEASE: NIGHTCAP 6 FED SURVEY: N.M.P.M

0 2,500 5,000 7,500 10,000 12,500 15,000 FEET

0 0.4 0.8 1.6 Miles

1 IN = 6,000 FT

VICINITY MAP

12/19/2013

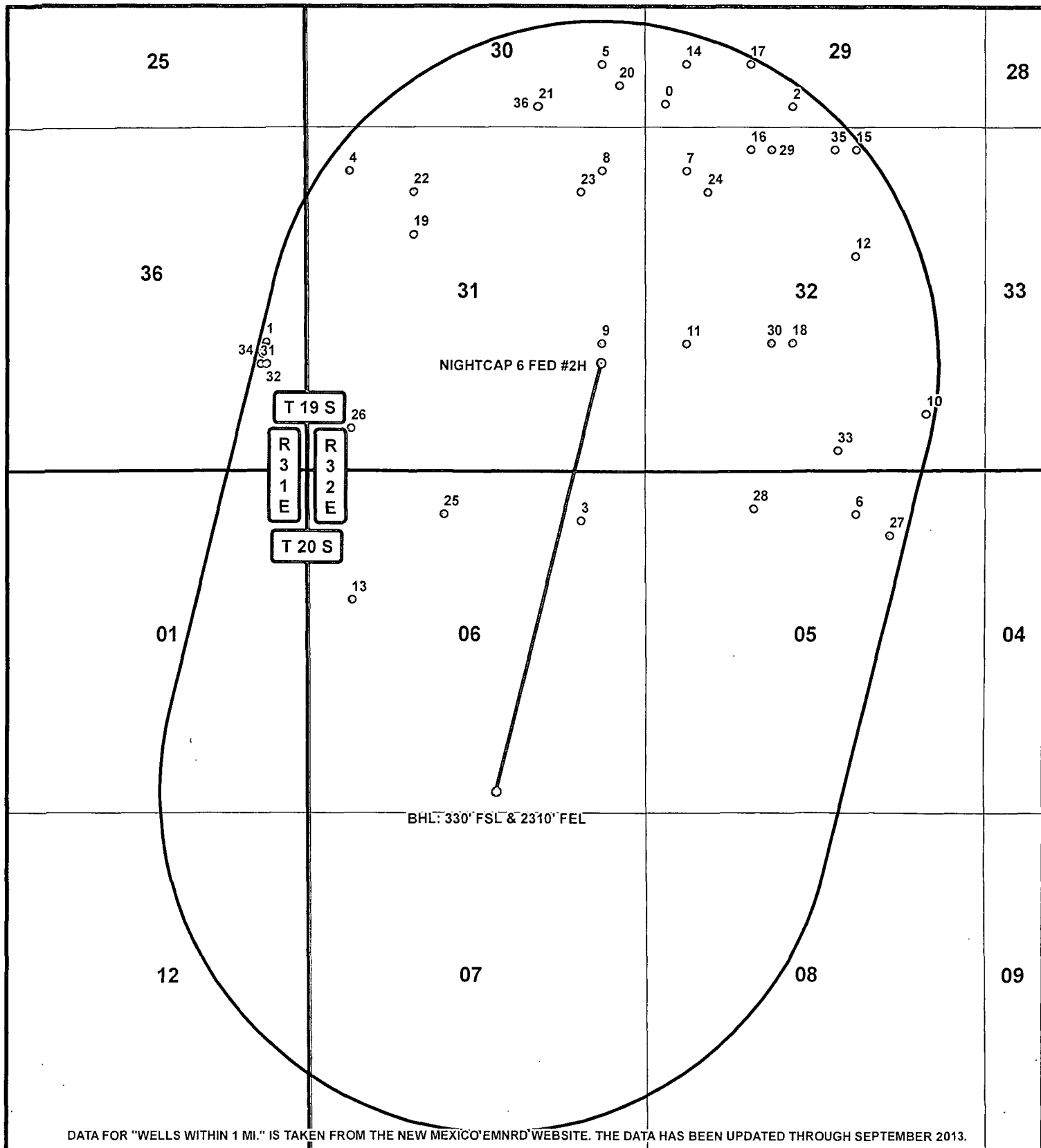
SP

CONCHO

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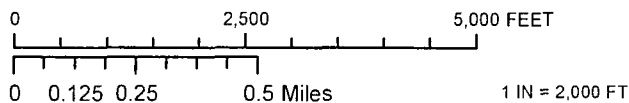
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH SEPTEMBER 2013.

LEGEND

- WELL
- WELLS WITHIN 1 MI.
- BOTTOM HOLE
- 1 MILE BUFFER

WELL NAME: NIGHTCAP 6 FED #2H

SEC: 31 TWP: 19 S. RGE: 32 E. ELEVATION: 3523.7'
 STATE: NEW MEXICO COUNTY: LEA 1680' FSL & 660' FEL
 W.O. # 13-987 LEASE: NIGHTCAP 6 FED SURVEY: N.M.P.M



1 MILE MAP

12/19/2013

S.P.

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