

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 15, 2009
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 41589	Pool Code 41460	Pool Name Lusk, Bone Spring, South
Property Code 40118	Property Name NIGHTCAP "6" FEDERAL	Well Number 3H
OCRID No. 229137	Operator Name COG OPERATING, LLC.	Elevation 3514.2

Surface Location

LL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	6	20 S	32 E		330	NORTH	2020	WEST	LEA

Bottom Hole Location If Different From Surface

LL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	6	20 S	32 E		330	SOUTH	1980	WEST	LEA

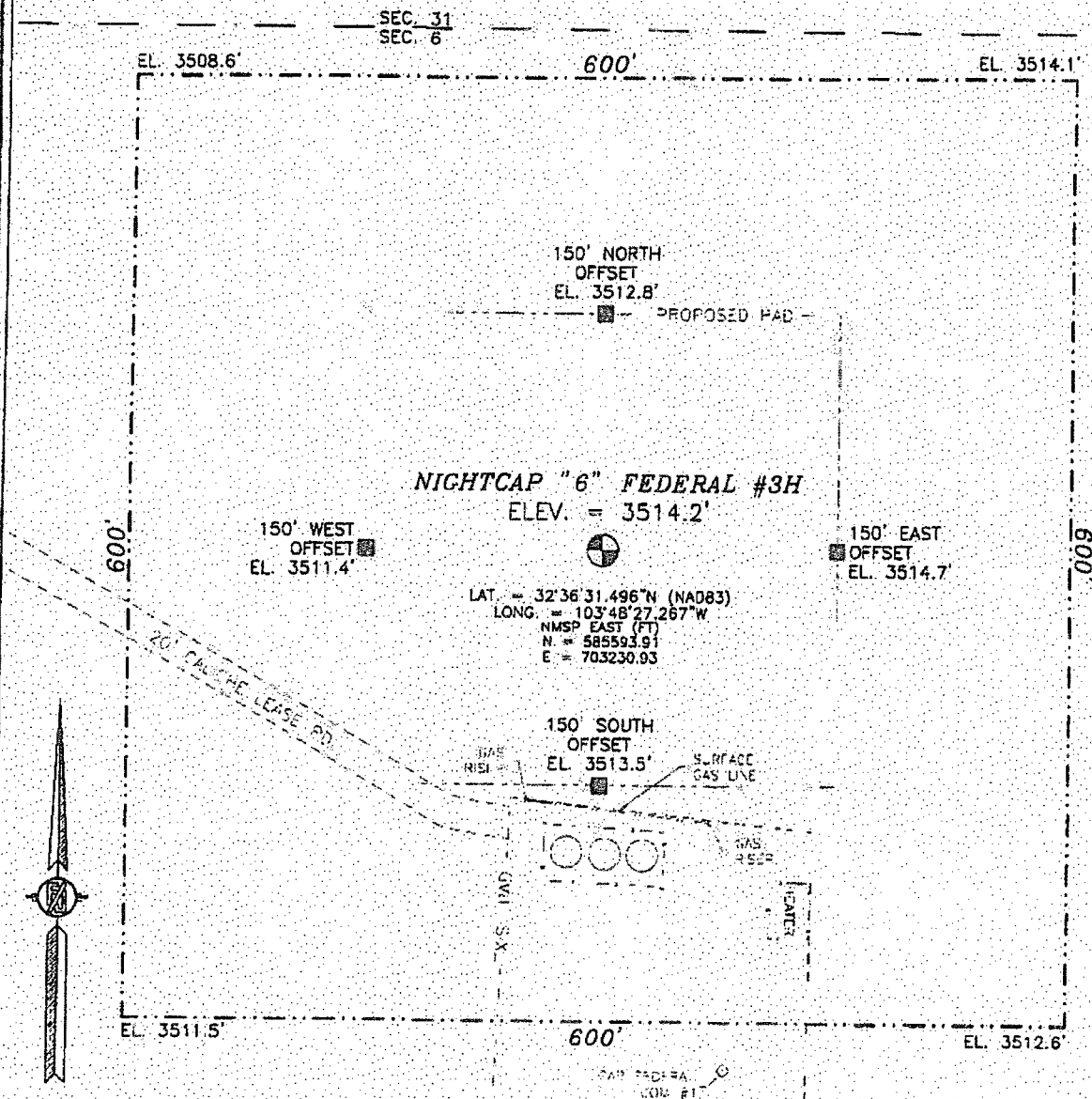
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

2020 SURFACE LOCATION NW CORNER SEC. 6 LAT. = 32°36'34.96"N LONG. = 103°48'50.87"W NMSP EAST (FT) N = 585933.84 E = 701209.42 NE CORNER SEC. 6 LAT. = 32°36'34.81"N LONG. = 103°47'49.05"W NMSP EAST (FT) N = 585944.81 E = 706498.62 NIGHTCAP "6" FEDERAL #3H ELEV. = 3514.2' LAT. = 32°36'31.496"N (NAD83) LONG. = 103°48'27.267"W NMSP EAST (FT) N = 585593.01 E = 703230.93 SW CORNER SEC. 6 LAT. = 32°35'42.70"N LONG. = 103°48'50.90"W NMSP EAST (FT) N = 580651.73 E = 701232.75 SE CORNER SEC. 6 LAT. = 32°35'42.65"N LONG. = 103°47'49.23"W NMSP EAST (FT) N = 580672.87 E = 706510.11 BOTTOM OF HOLE LAT. = 32°35'45.95"N LONG. = 103°48'27.76"W NMSP EAST (FT) N = 580989.54 E = 703211.25 BOTTOM OF HOLE 1980 NM-107391	" OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or indirect 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 an interest or working interest, or to a voluntary, pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Melanie J. Parker</i> Date: 3/14/15 Printed Name: <i>Melanie J. Parker</i> "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. AUGUST 15, 2011 Date of Survey Signature: <i>James F. Jaramilla</i> Printed Name: <i>James F. Jaramilla</i> Certificate Number: <i>FILED ON F. JARAMILLA D. PLS 12797</i> SURVEY NO 552
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JAN 09 2014

SECTION 6, TOWNSHIP 20 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

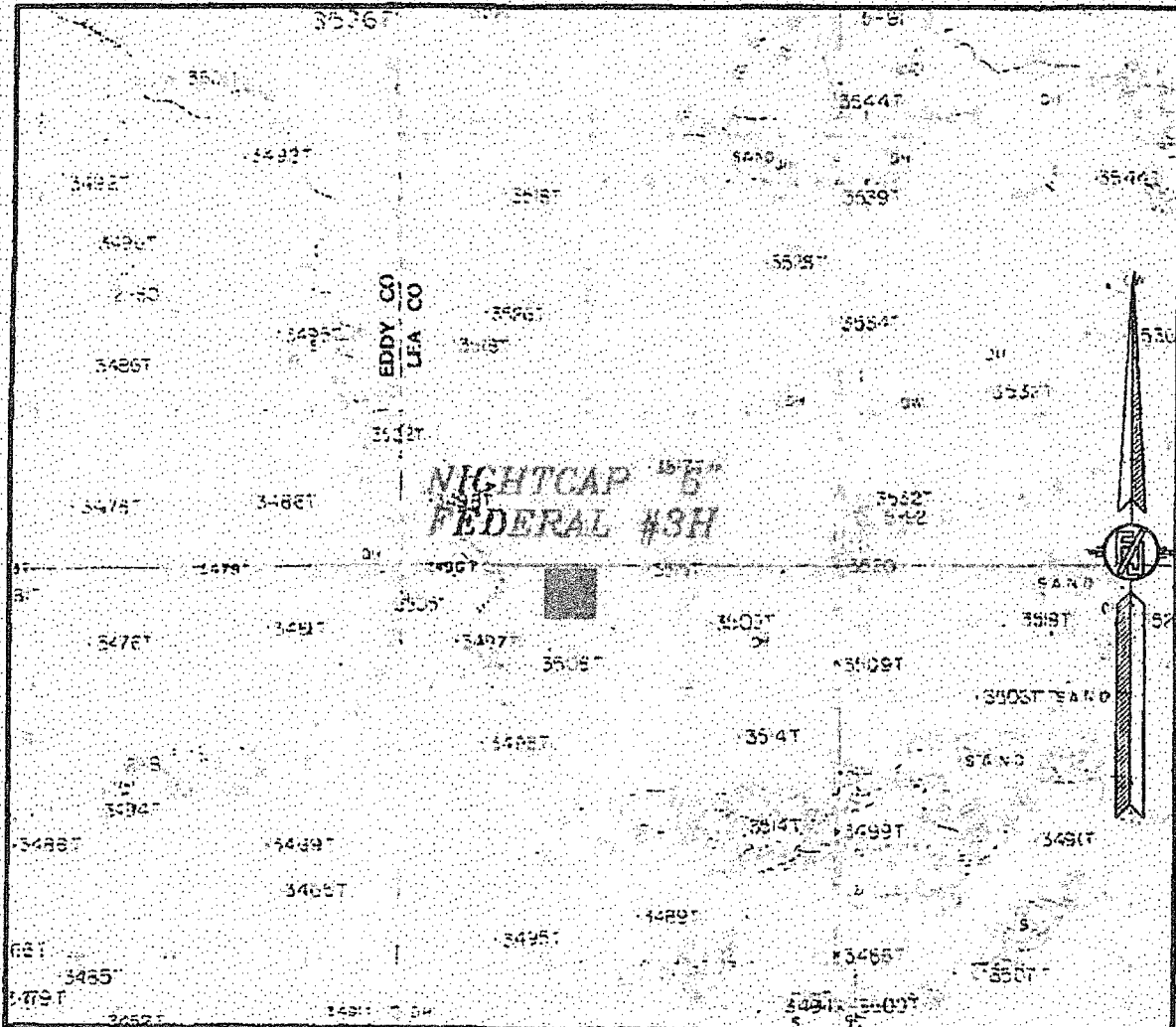


COG OPERATING, LLC
NIGHTCAP "6" FEDERAL #3H
LOCATED 330 FT. FROM THE NORTH LINE
AND 2020 FT. FROM THE WEST LINE OF
SECTION 6, TOWNSHIP 20 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SURVEY NO. 552
MADRON SURVEYING, INC. (505) 766-0872 CARLSBAD, NEW MEXICO
AUGUST 15, 2011

EXHIBIT 2

SECTION 6, TOWNSHIP 20 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



CONTOUR INTERVAL:
WILLIAMS SINK

NOT TO SCALE

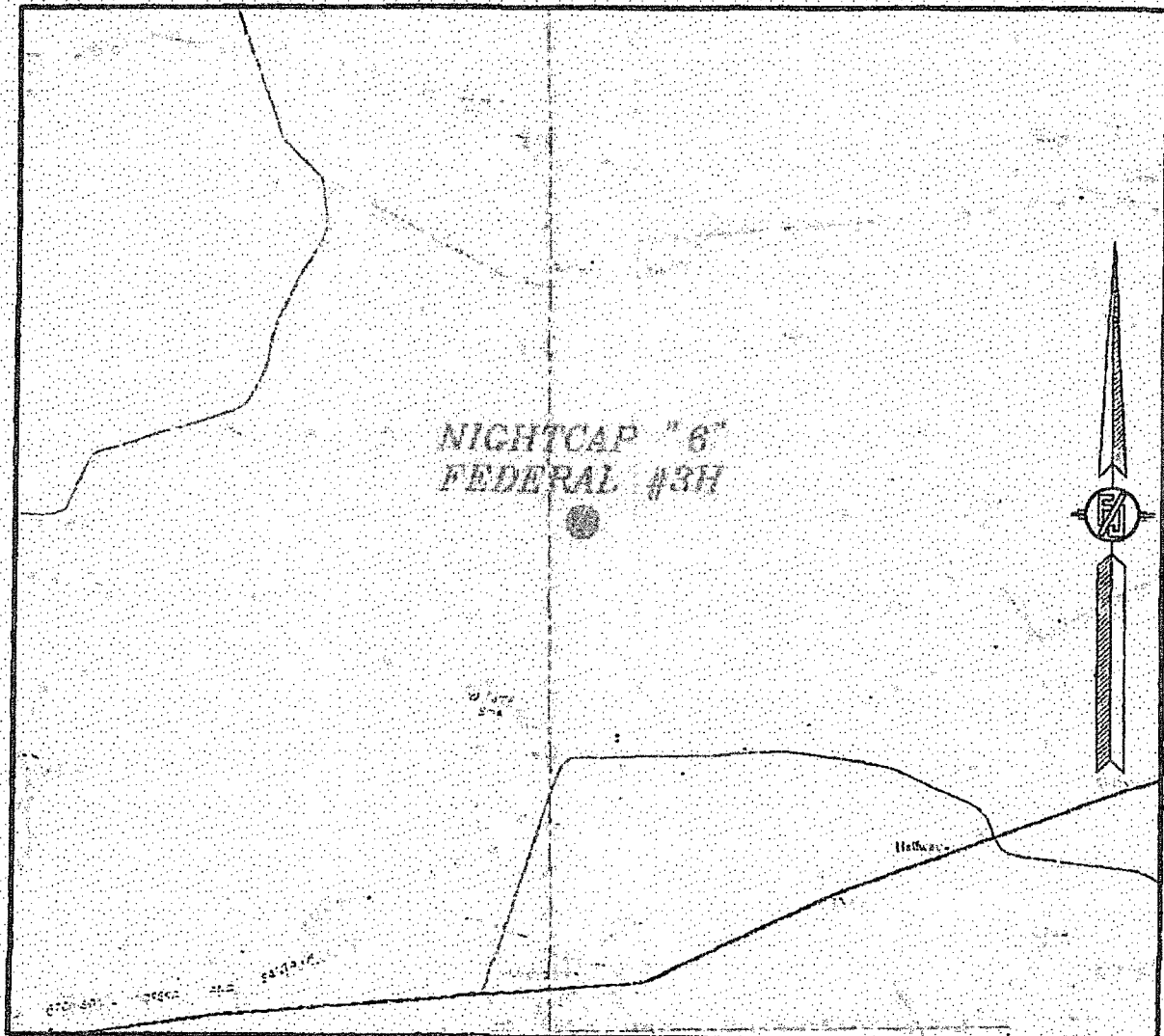
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LEA COUNTY, STATE OF NEW MEXICO

AUGUST 15, 2011

SURVEY NO. 552

MADRON SURVEYING, INC. 301 SOUTH CAROL
(575) 761-9672 CARLSBAD, NEW MEXICO

SECTION 6, TOWNSHIP 20 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP

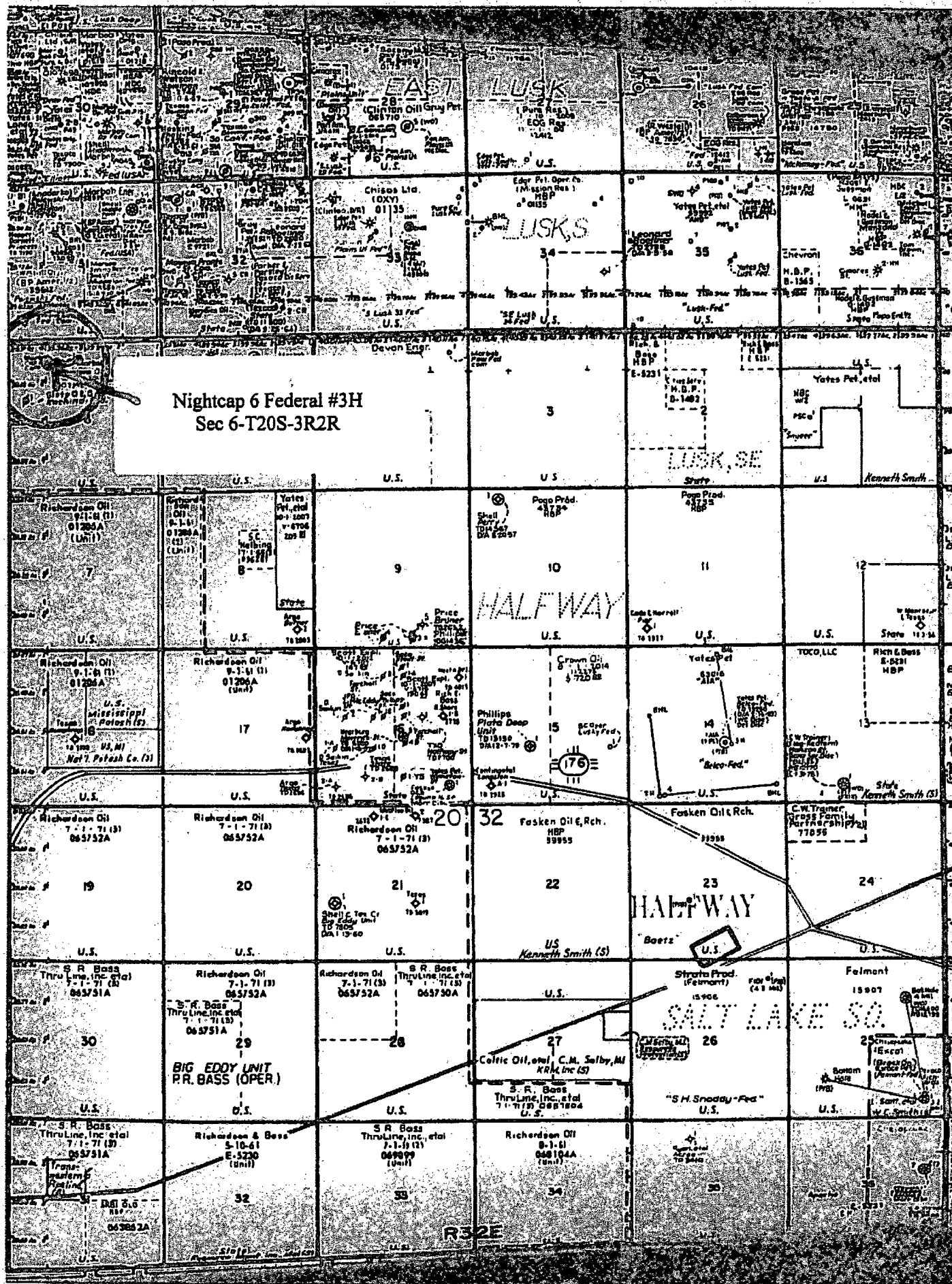


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LEA COUNTY, STATE OF NEW MEXICO

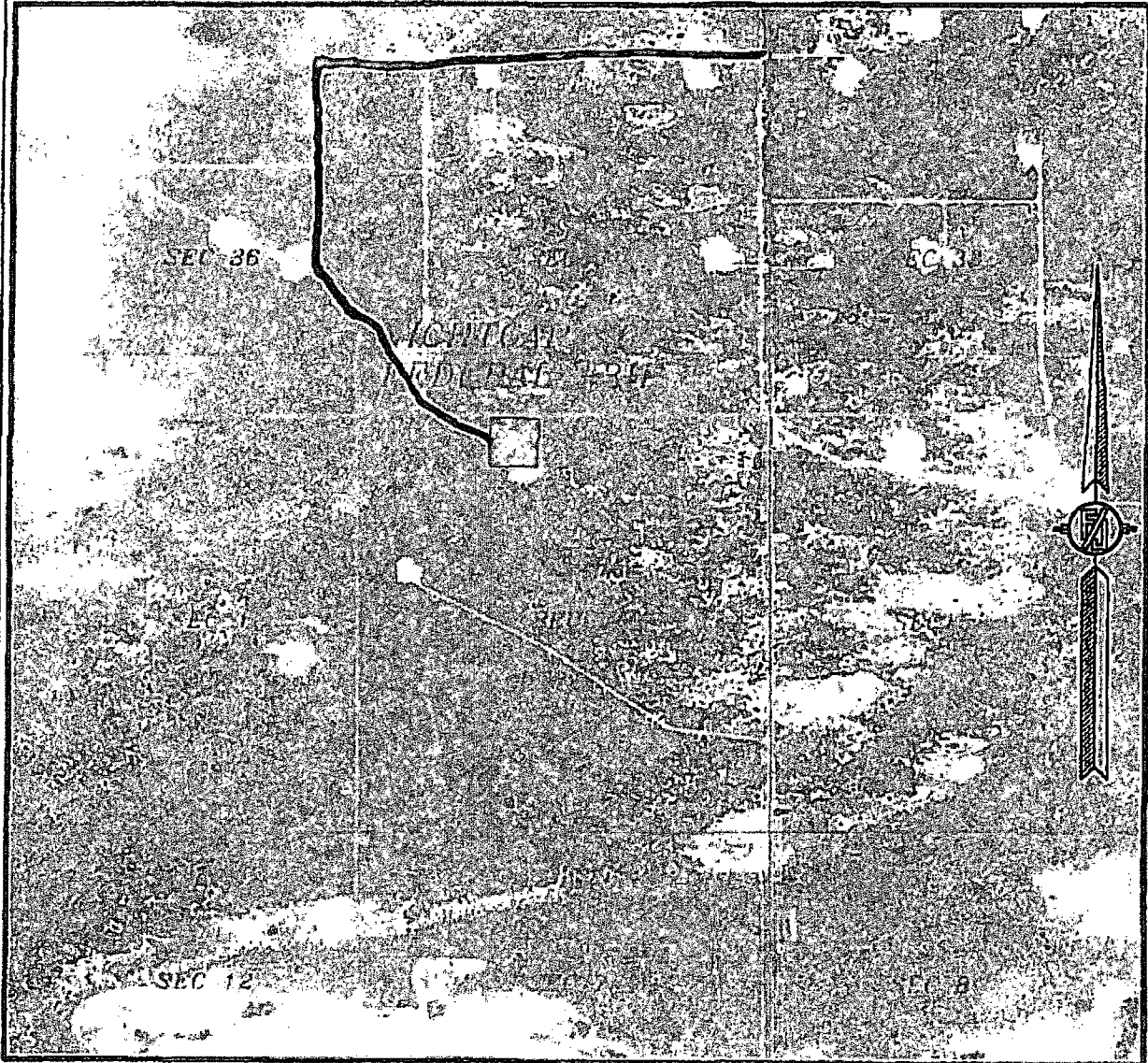
AUGUST 15, 2011

SURVEY NO. 552

MADRON SURVEYING, INC. 317 SOUTH CAMEL (505) 706-9872 CARLSBAD, NEW MEXICO



SECTION 6, TOWNSHIP 20 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
USDA - AUG, 2009

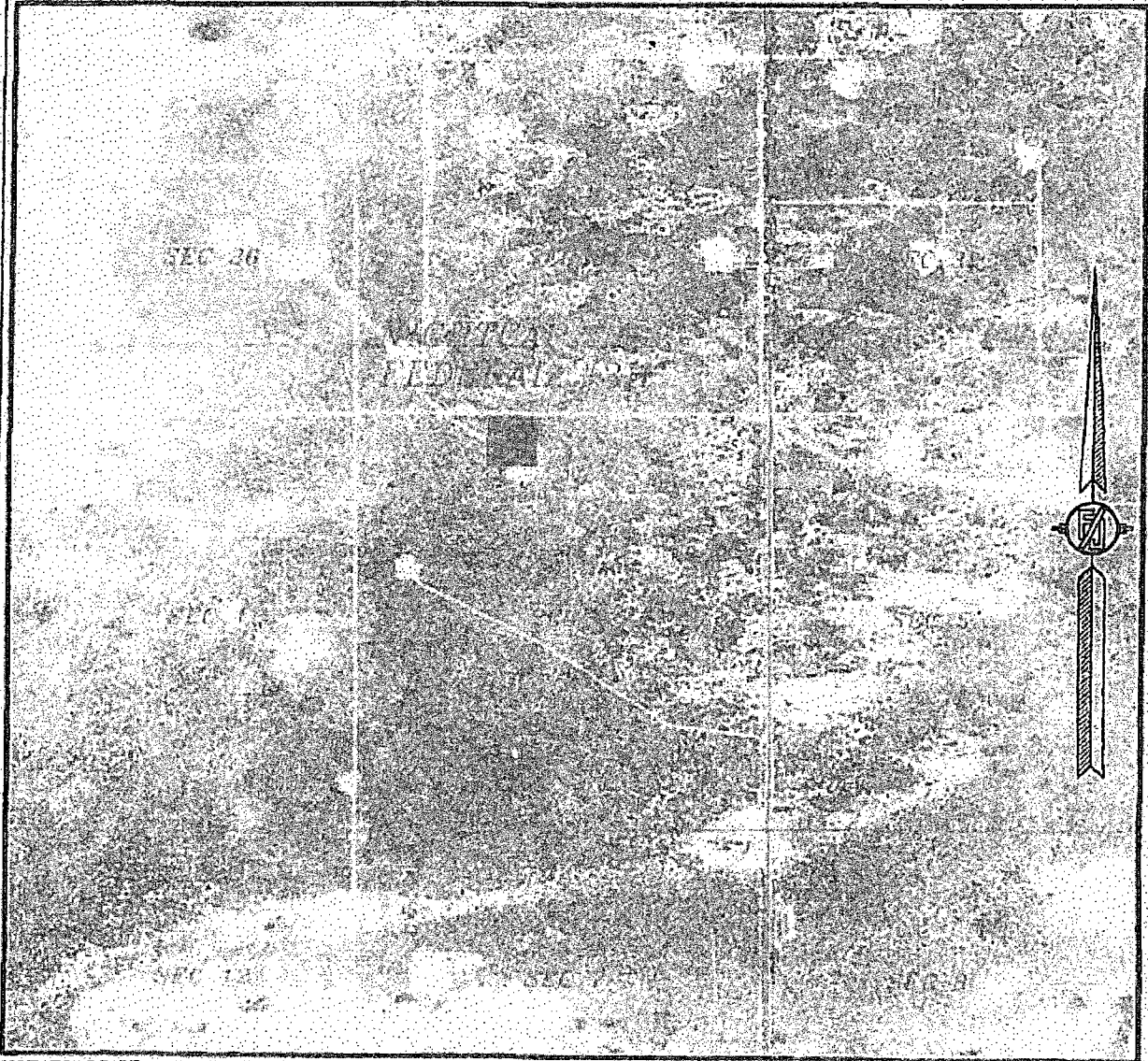
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RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SURVEY NO. 552

AUGUST 15, 2011

MADRON SURVEYING, INC. JOE MADRON CARL
(505) 765-9972 **CARLSBAD, NEW MEXICO**

SECTION 6, TOWNSHIP 20 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



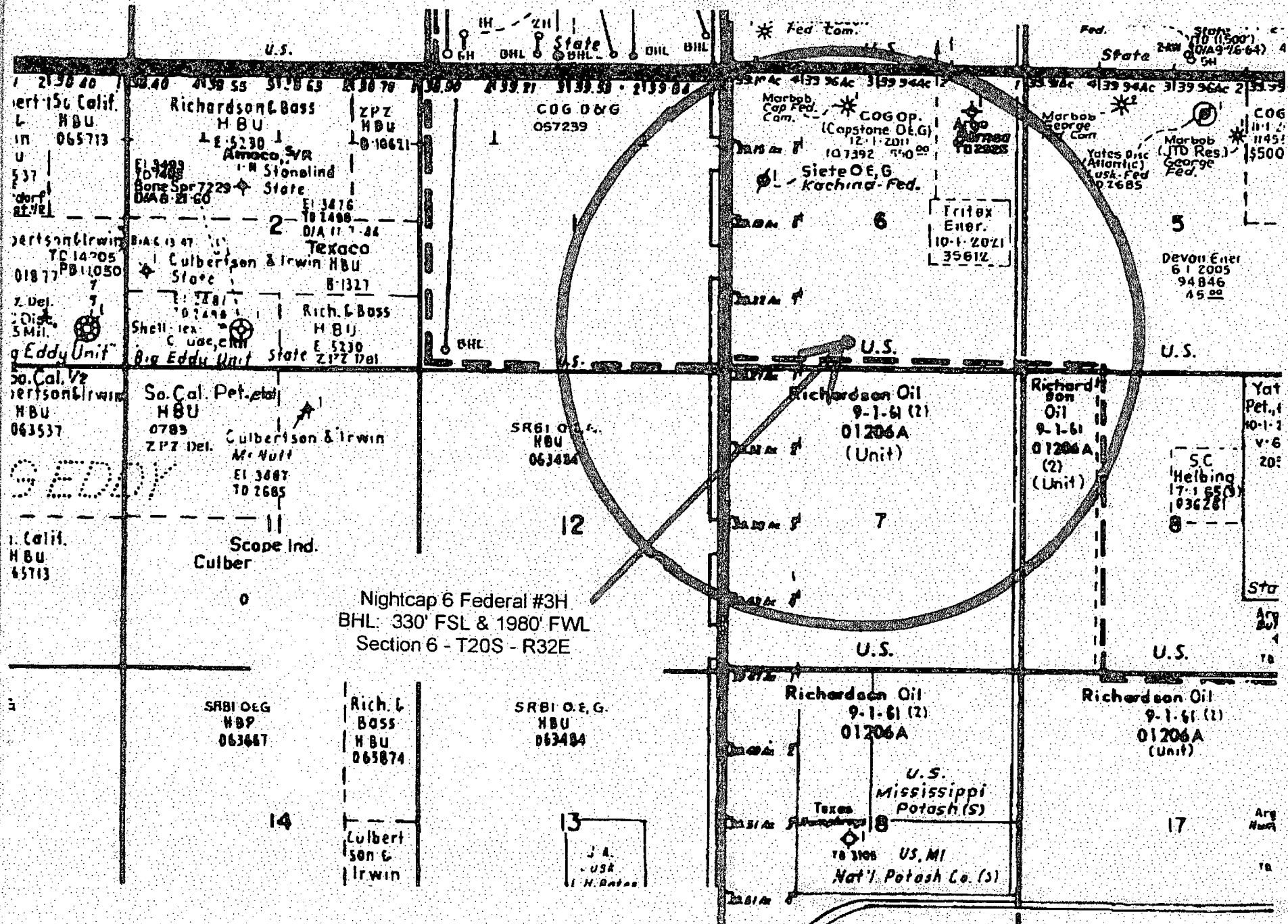
NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
USDA - AUG, 2009

COC OPERATING, LLC
NIGHTCAP "6" FEDERAL #3H
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AND 2020 FT. FROM THE WEST LINE OF
SECTION 6, TOWNSHIP 20 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SURVEY NO. 552

AUGUST 15, 2011

MADRON SURVEYING, INC. 301 350 1181 CARLSBAD, NEW MEXICO
(505) 925-9672



**Design Plan
Operating and Maintenance Plan
Closure Plan**

**Nightcap 6 Federal #3H
SHL: 330' FNL & 2020' FWL
BHL: 330' FSL & 1980' FWL
Section 6 T20S R32E
Lea County, New Mexico**

COG Operating LLC will be using all above ground steel pits for fluid and cuttings while drilling. If any tank develops a leak we will have immediate visual discovery, we would then transfer the fluid to another tank then remove any contaminated soil and dispose of it in the cuttings bins for transportation. All leaks should be kept to less than 5 barrels. Rig crews will monitor the tanks at all times.

Equipment List:

- 2- Mongoose Shale Shakers
- 1- 414 Centrifuge
- 1- 518 Centrifuge
- 2- Roll Off Bins w/ Tracks
- 2- 500 BBL Frac Tanks

During drilling operations all liquids, drilling fluids and cuttings will be hauled off via CRI (Controlled Recovery Inc.) Permit R-9166 or any other approved facility.

