

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

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name KING COBRA "2" STATE			6 Well Number 1H
7 OGRID No. 229137		8 Operator Name COG OPERATING, LLC.			9 Elevation 3969.3

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	19 S	34 E		460	NORTH	460	EAST	LEA

11 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
P	2	19 S	34 E		460	SOUTH	510	EAST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 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.

NW CORNER SEC. 2 LAT. = 32°41'49.048"N LONG. = 103°32'22.366"W NMSP EAST (FT) N = 618196.80 E = 785525.43		KING COBRA "2" STATE #1H ELEV. = 3969.3' LAT. = 32°41'44.528"N (NAD83) LONG. = 103°31'25.958"W NMSP EAST (FT) N = 617776.30 E = 790350.20		SURFACE LOCATION 460' 460'	
SW CORNER SEC. 2 LAT. = 32°40'55.457"N LONG. = 103°32'22.498"W NMSP EAST (FT) N = 612779.55 E = 785554.71		BOTTOM OF HOLE LAT. = 32°41'00.131"N LONG. = 103°31'26.623"W NMSP EAST (FT) N = 613288.09 E = 790327.57		NE CORNER SEC. 2 LAT. = 32°41'49.083"N LONG. = 103°31'20.567"W NMSP EAST (FT) N = 618240.28 E = 790807.49	
				SE CORNER SEC. 2 LAT. = 32°40'55.593"N LONG. = 103°31'20.665"W NMSP EAST (FT) N = 612833.28 E = 790840.45	
		BOTTOM OF HOLE 510'			

17 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 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

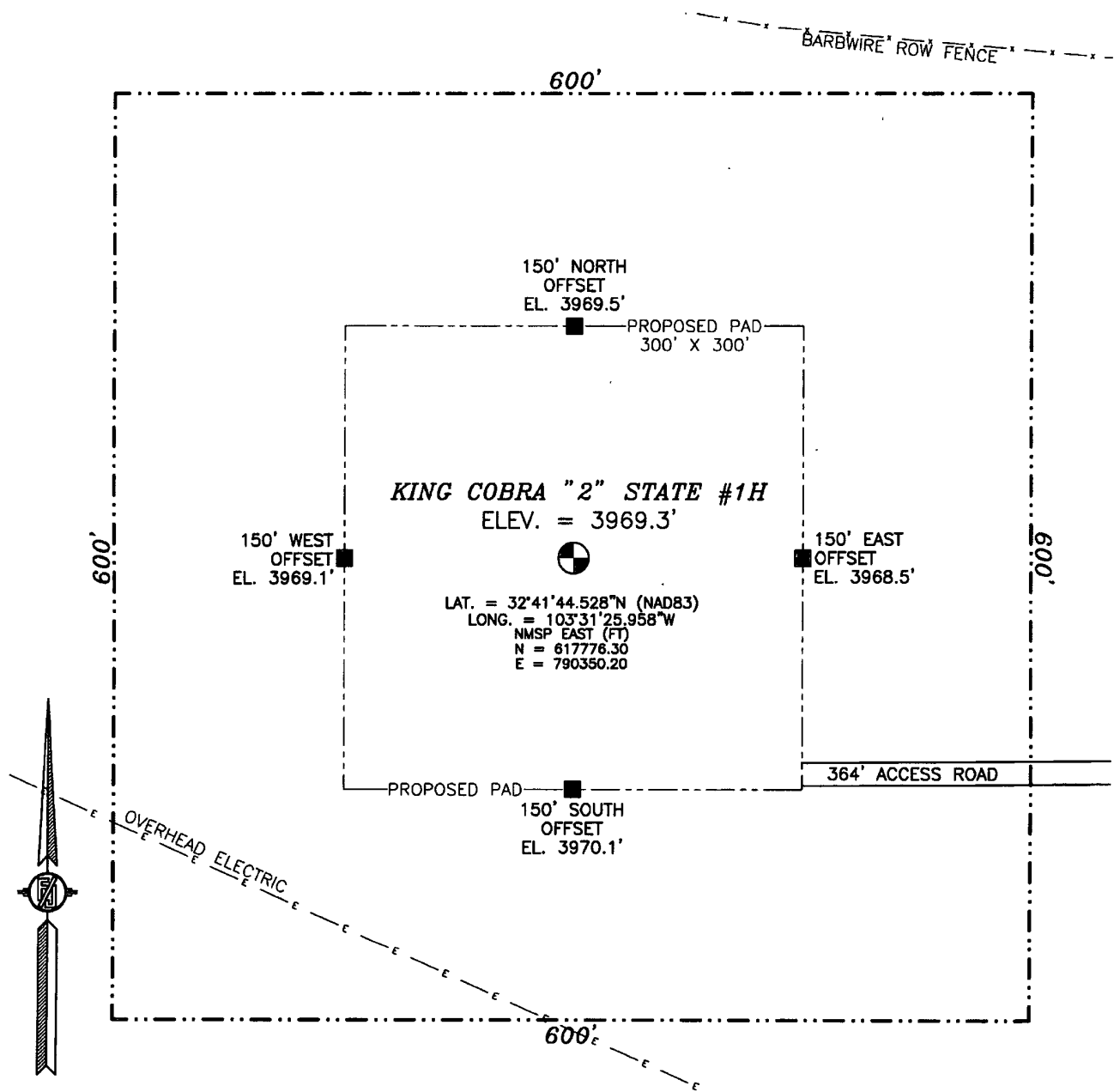
Rand French 1/9/12
Signature Date
Printed Name

18 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.

JANUARY 9, 2012
Date of Survey
F. JARAMILLO
Signature and Seal of Professional Surveyor
Certificate Number: 11180N.F. JARAMILLO, PLS 12797
REGISTERED LAND SURVEYOR SURVEY NO. 769

JAN 12 2012

SECTION 2, TOWNSHIP 19 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM CR. PEARL VALLEY AND STATE HWY. 529 GO WEST ON HWY.
529 2.9 MILES TURN LEFT ON CALICHE ROAD ACROSS FROM VAN
NOY RD. AND GO SOUTH ABOUT 600' AND LOCATION IS ON THE
RIGHT (WEST) ABOUT 500'.

COG OPERATING, LLC
KING COBRA "2" STATE #1H
LOCATED 460 FT. FROM THE NORTH LINE
AND 460 FT. FROM THE EAST LINE OF
SECTION 2, TOWNSHIP 19 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

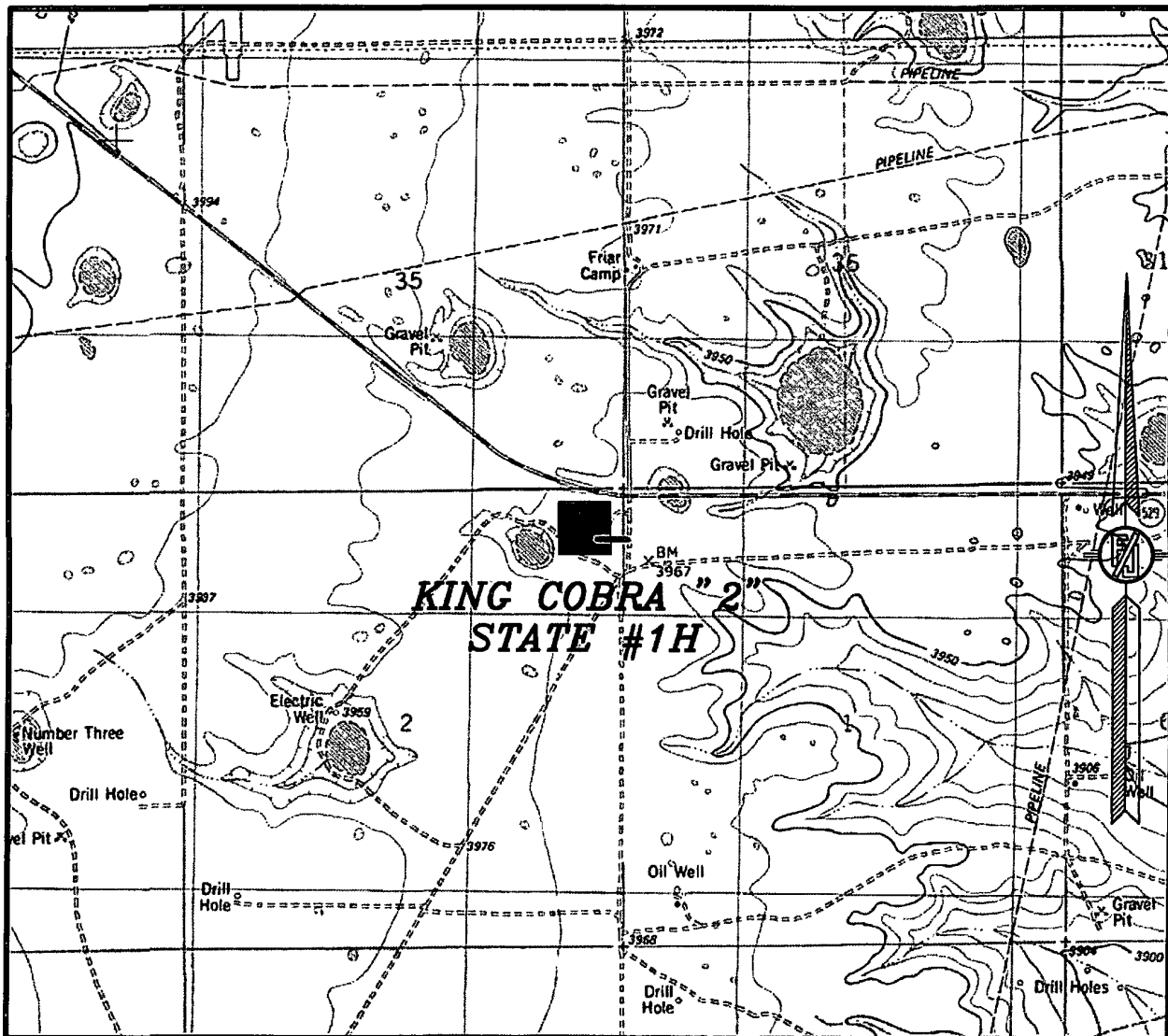
SURVEY NO. 769

NOVEMBER 11, 2011

MADRON SURVEYING, INC. 301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 19 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



CONTOUR INTERVAL:
IRON HOUSE WELL

NOT TO SCALE

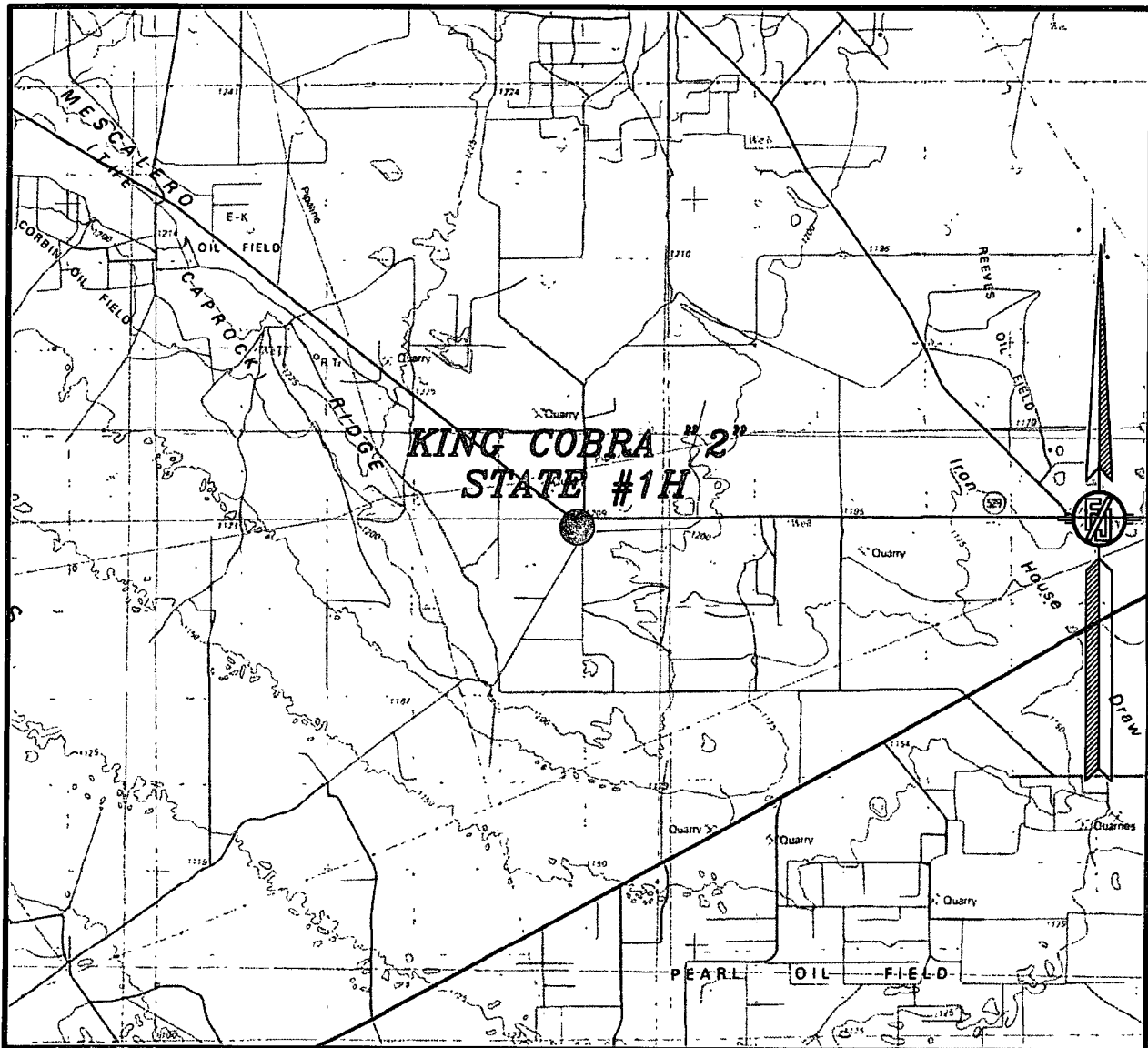
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(575) 234-3341

SECTION 2, TOWNSHIP 19 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

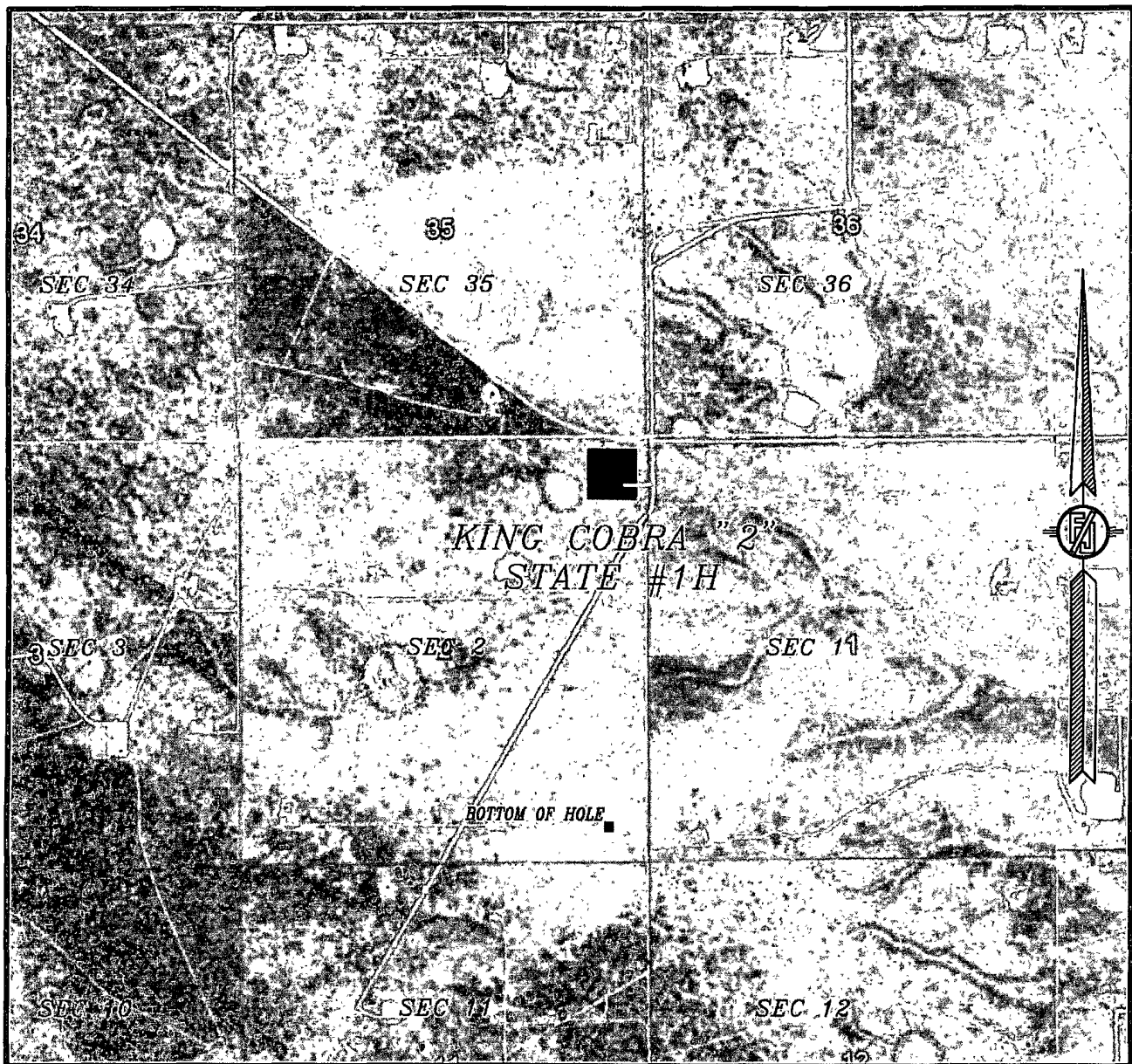
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NOVEMBER 11, 2011

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(575) 234-3341

SECTION 2, TOWNSHIP 19 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JUNE, 2010

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RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SURVEY NO. 769

NOVEMBER 11, 2011

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



HOBBS OCD

JAN 11 2012

PROJECT DETAILS: Lea County(NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid

RECEIVED

Project: Lea County(NAD83)
Site: King Cobra 2 State
Well: #1H
Wellbore: OH
Plan: Plan #2 (#1H/OH)

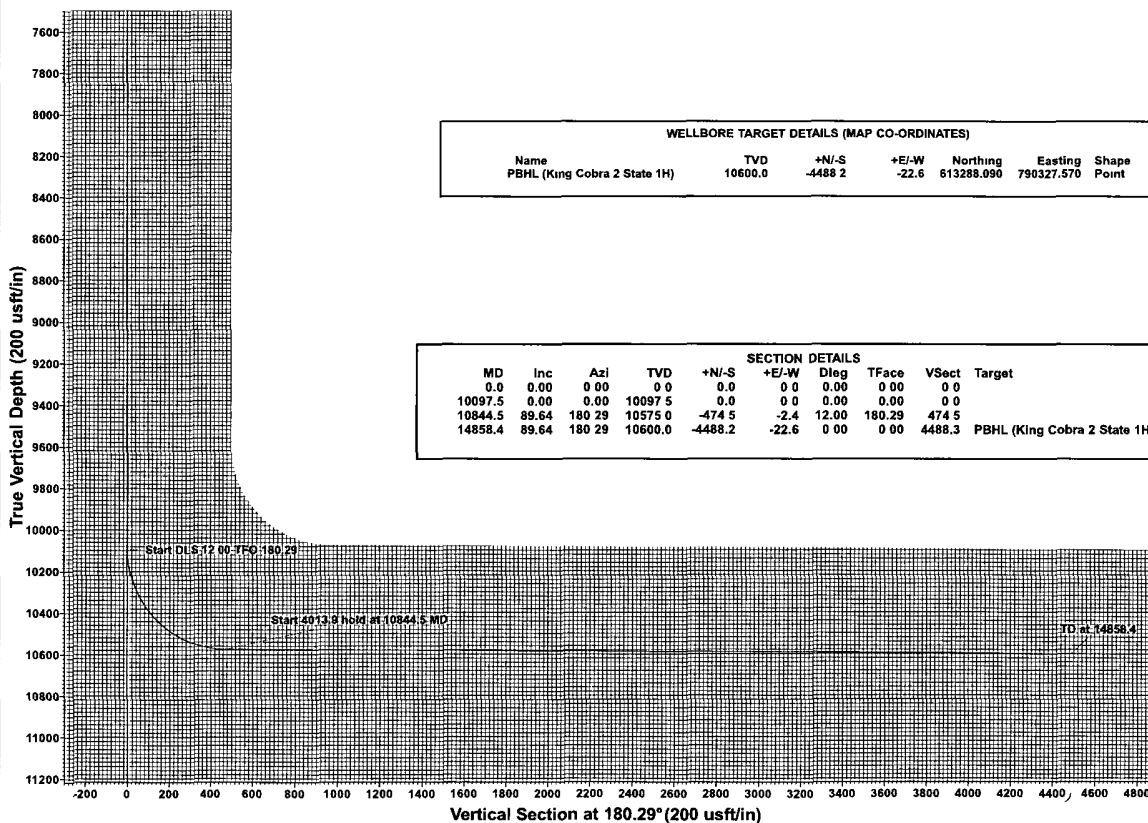


Azimuths to Grid North
True North: -0.44°
Magnetic North: 7.09°

Magnetic Field
Strength: 48892.9snT
Dip Angle: 60.64°
Date: 11/29/2011
Model: IGRF200510

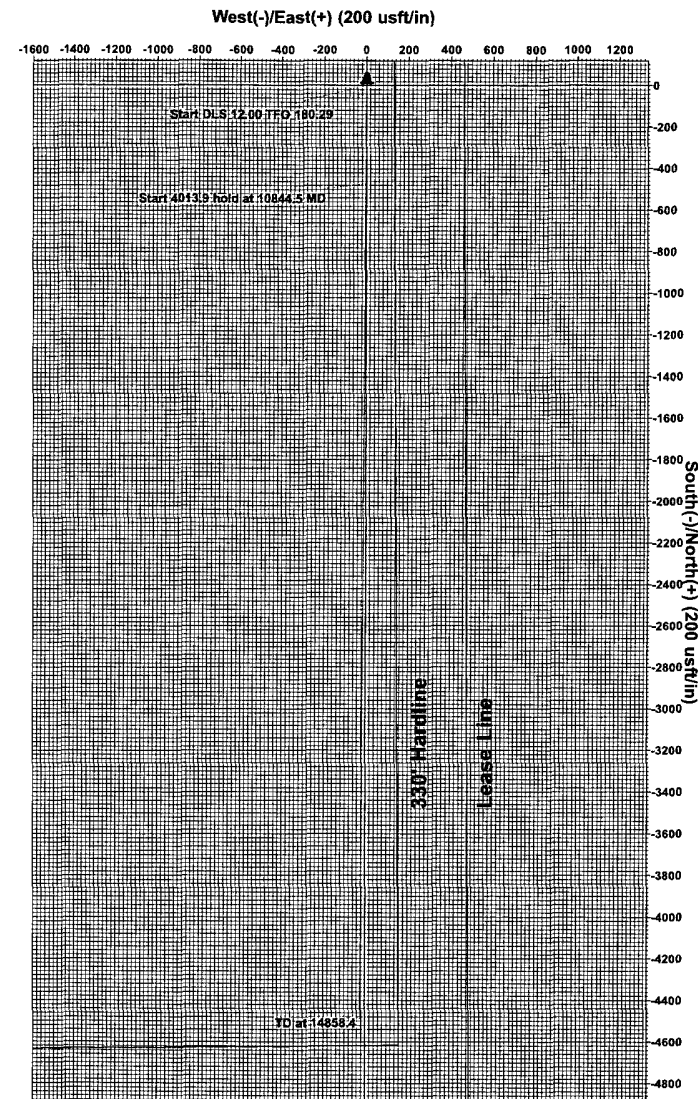
PATHFINDER®

A Schlumberger Company



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
PBHL (King Cobra 2 State 1H)	10600.0	-4488.2	-22.6	613288.090	790327.570	

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dip	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
10097.5	0.00	0.00	10097.5	0.0	0.0	0.00	0.00	0.0	
10844.5	89.64	180.29	10575.0	-474.5	-2.4	12.00	180.29	474.5	
14858.4	89.64	180.29	10600.0	-4488.2	-22.6	0.00	0.00	4488.3	PBHL (King Cobra 2 State 1H)



Plan Plan #2 (#1H/OH)	
Created By: Michael Trout	Date: 15/27, January 06 2012
Checked: _____	Date: _____

COO Operating LLC
Lea County(NAD83)
King Cobra 2 State
#1H
Original Well Dev
OH
Plan #2