

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
511 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6175 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

HOBBS OCD State of New Mexico
Energy, Minerals & Natural Resources Department
JUN 19 2013 CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
RECEIVED

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-005-21140	² Pool Code 98031	³ Property Name WC 005 G01	⁴ Well Number 1
⁵ Property Code 39968	⁶ Operator Name CASPER FEDERAL		⁷ Elevation 3856.3
⁸ OGRID No. 13837	⁹ Operator Name MACK ENERGY CORPORATION		

" Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	21	14 S	30 E		346.0	NORTH	1646.8	WEST	CHAVES

" 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

¹² Dedicated Acres 40	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.

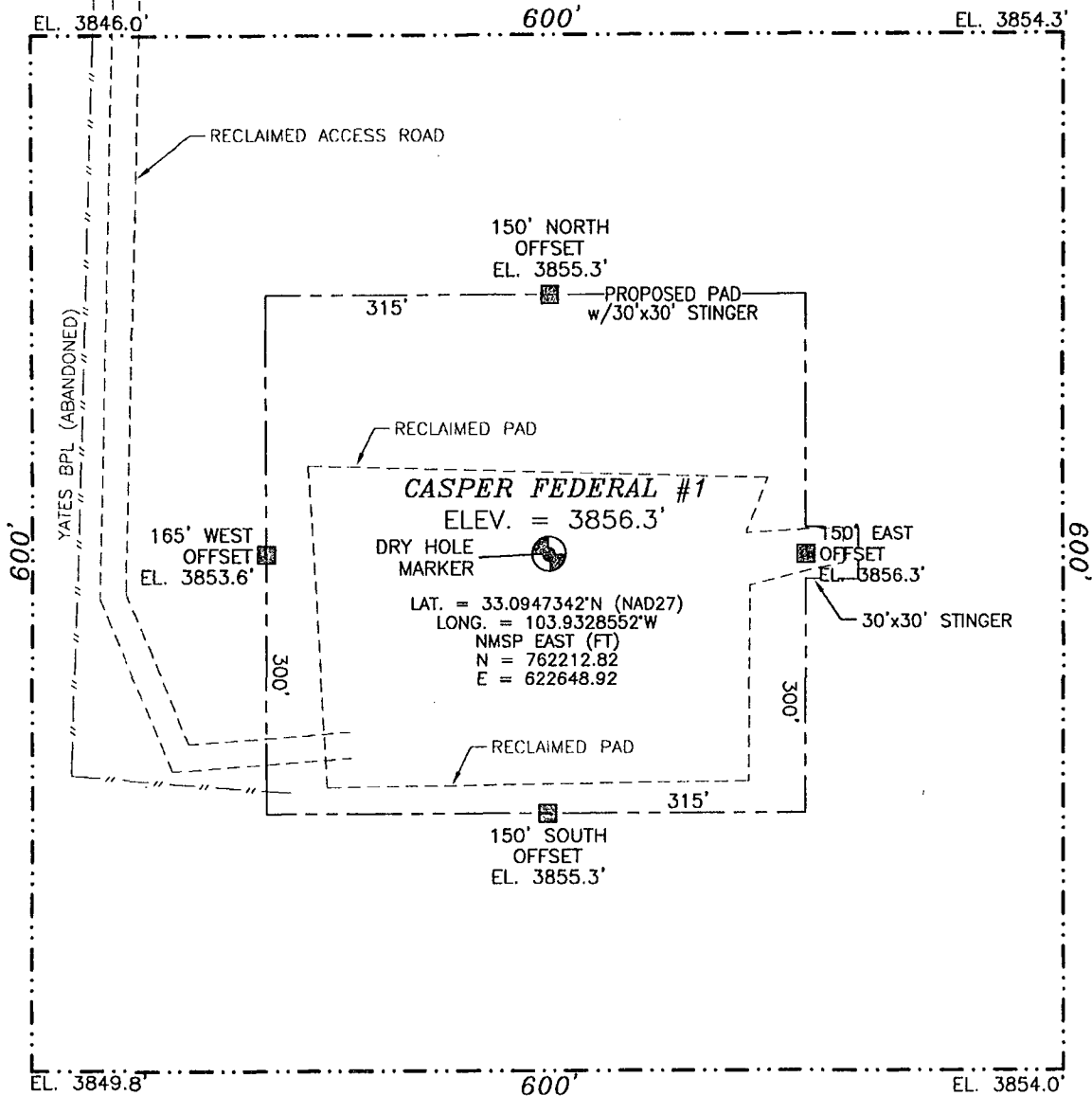
58°38'16"W 2654.20 FT 1646.8' NW CORNER SEC. 21 LAT. = 33.0956736°N LONG. = 103.9382330°W NMSP EAST (FT) N = 762548.33 E = 621000.63		58°48'16"W 2643.45 FT NE CORNER SEC. 21 LAT. = 33.0956882°N LONG. = 103.9209392°W NMSP EAST (FT) N = 762574.04 E = 626296.95		NOO0733°W 2641.27 FT NOO0733°W 2641.27 FT	
346.0' SURFACE LOCATION CASPER FEDERAL #1 ELEV. = 3856.3' LAT. = 33.0947342°N (NAD27) LONG. = 103.9328552°W NMSP EAST (FT) N = 762212.82 E = 622648.92		E/4 CORNER SEC. 21 LAT. = 33.0884305°N LONG. = 103.9209541°W NMSP EAST (FT) N = 759933.47 E = 626302.74			
NOO1927°E 2636.13 FT NOO1927°E 2636.13 FT		NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27), AND ARE IN DECIMAL DEGREE FORMAT.		NOO1130°W 2642.19 FT NOO1130°W 2642.19 FT	
SW CORNER SEC. 21 LAT. = 33.0811863°N LONG. = 103.9382006°W NMSP EAST (FT) N = 757277.54 E = 621030.41		S/4 CORNER SEC. 21 LAT. = 33.0811788°N LONG. = 103.9296029°W NMSP EAST (FT) N = 757284.85 E = 623663.94		SE CORNER SEC. 21 LAT. = 33.0811702°N LONG. = 103.9209592°W NMSP EAST (FT) N = 757291.99 E = 626311.57	
N89°50'24"E 2634.17 FT		N89°50'40"E 2648.27 FT		1" 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 undivided 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. <i>Jerry W. Shanell</i> 2-22-2013 Signature Date <i>Jerry W. Shanell</i> Printed Name <i>jerry@mec.com</i> E-mail Address	
1" 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 17, 2013 Date of Survey <i>Jerry W. Shanell</i> Signature and Seal of Professional Surveyor Certificate Number: FILLMORE, N.M. 12797 SURVEY NO. 1497					

SECTION 21, TOWNSHIP 14 SOUTH, RANGE 30 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO

NOTE: THE LATITUDE AND LONGITUDE COORDINATES ARE SHOWN
USING THE NORTH AMERICAN DATUM OF 1927 (NAD27), AND ARE IN
DECIMAL DEGREE FORMAT.

SEC 16

SEC 21



010 50 100 200

SCALE 1" = 100'
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 249 (HAGERMAN) AND
CR 161 (CINDY) GO NORTH ON CR 161 FOR APPROX. 3.6 MILES. GO
NORTHEAST-EAST ON LEASE ROAD APPROX. 1.5 MILES TO A
RECLAIMED ACCESS ROAD TO SOUTH. GO SOUTH ON ACCESS ROAD
APPROX. 800 FT TO LOCATION.

MACK ENERGY CORPORATION

CASPER FEDERAL #1

LOCATED 346.0 FT. FROM THE NORTH LINE
AND 1646.8 FT. FROM THE WEST LINE OF
SECTION 21, TOWNSHIP 14 SOUTH,
RANGE 30 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO

JANUARY 17, 2013

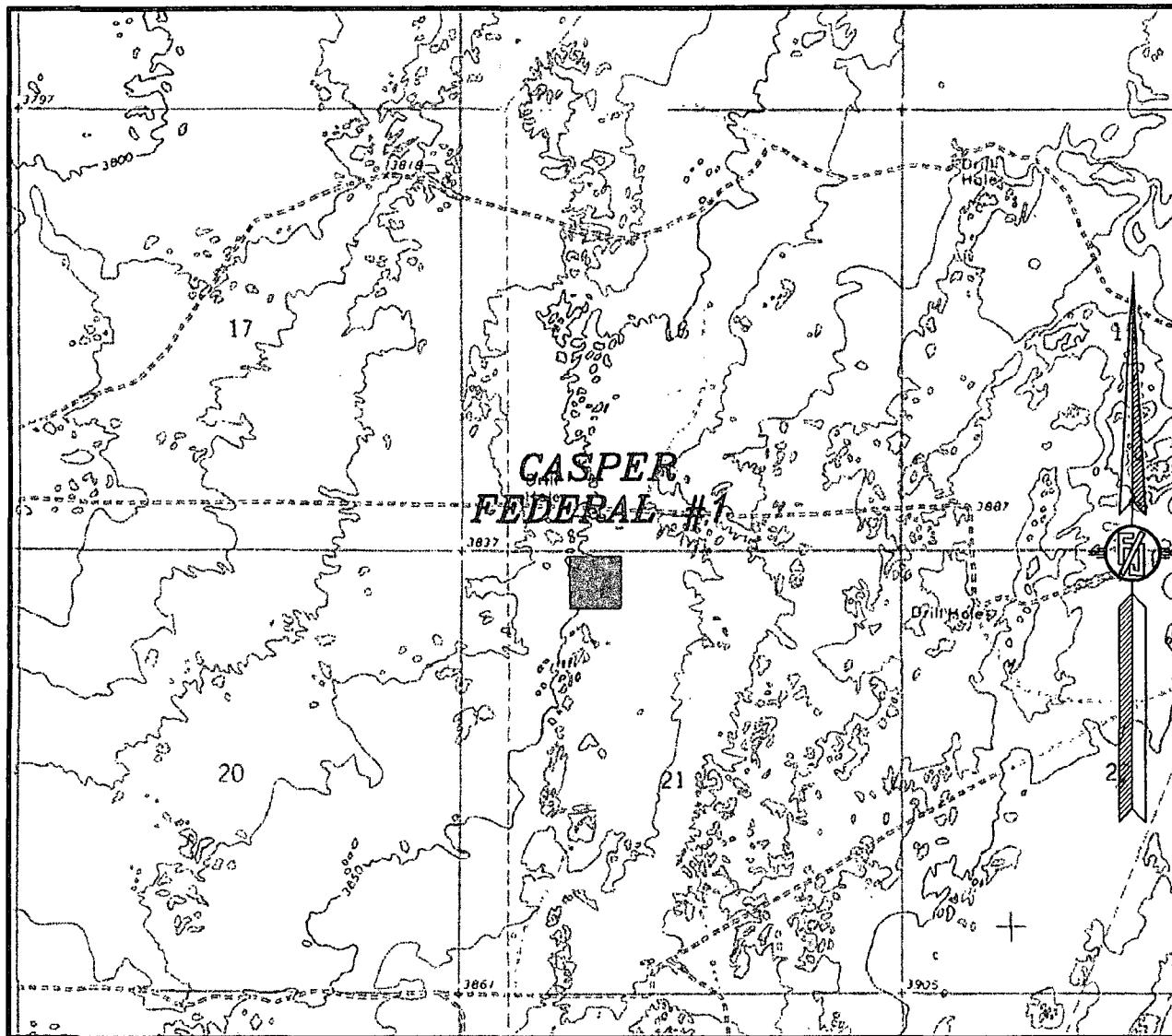
SURVEY NO. 1497

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

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 21, TOWNSHIP 14 SOUTH, RANGE 30 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
CEDAR POINT

NOT TO SCALE

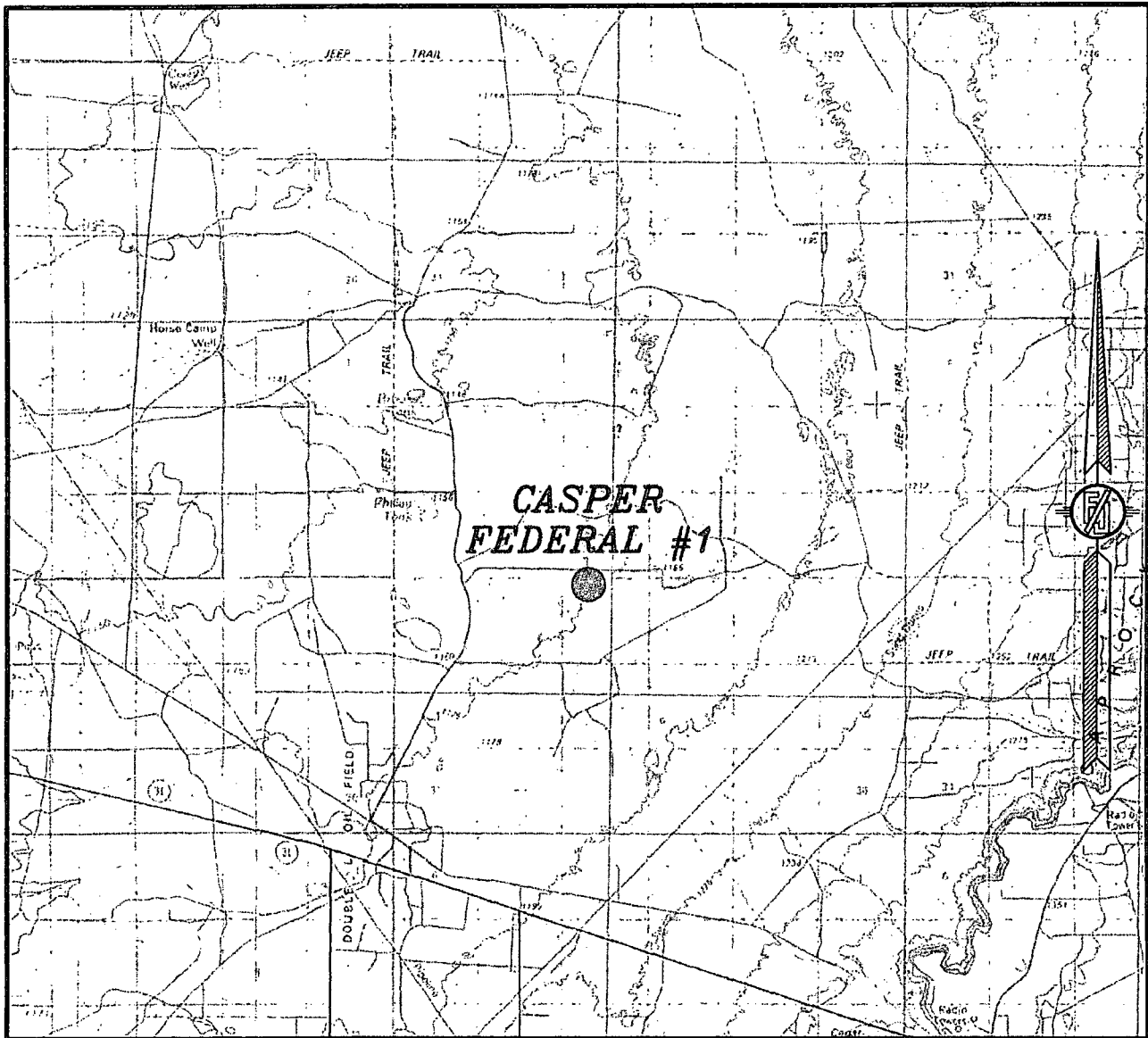
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JANUARY 17, 2013

SURVEY NO. 1497

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

SECTION 21, TOWNSHIP 14 SOUTH, RANGE 30 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

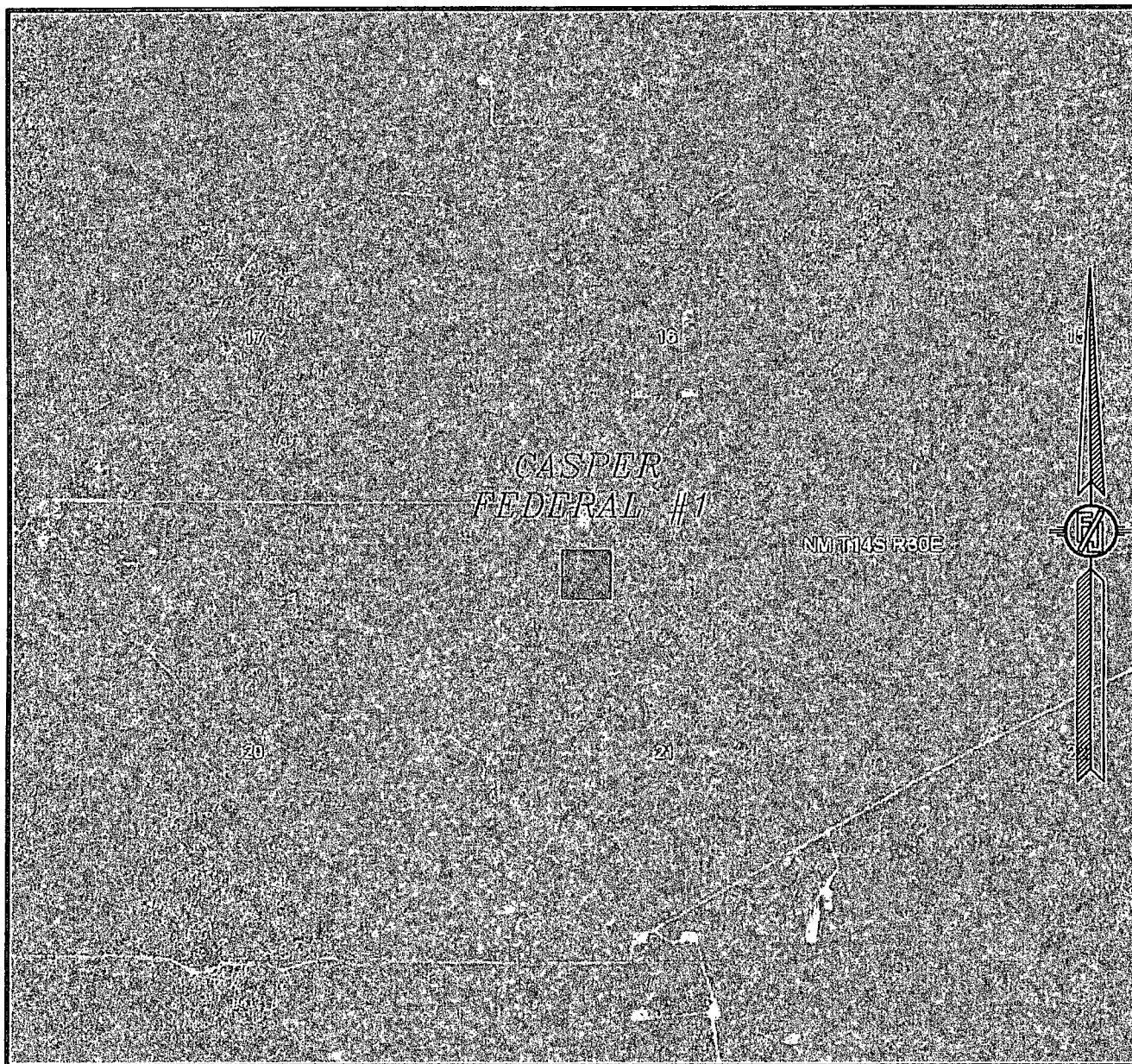
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(575) 234-3341

SECTION 21, TOWNSHIP 14 SOUTH, RANGE 30 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JULY 2011

MACK ENERGY CORPORATION
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JANUARY 17, 2013

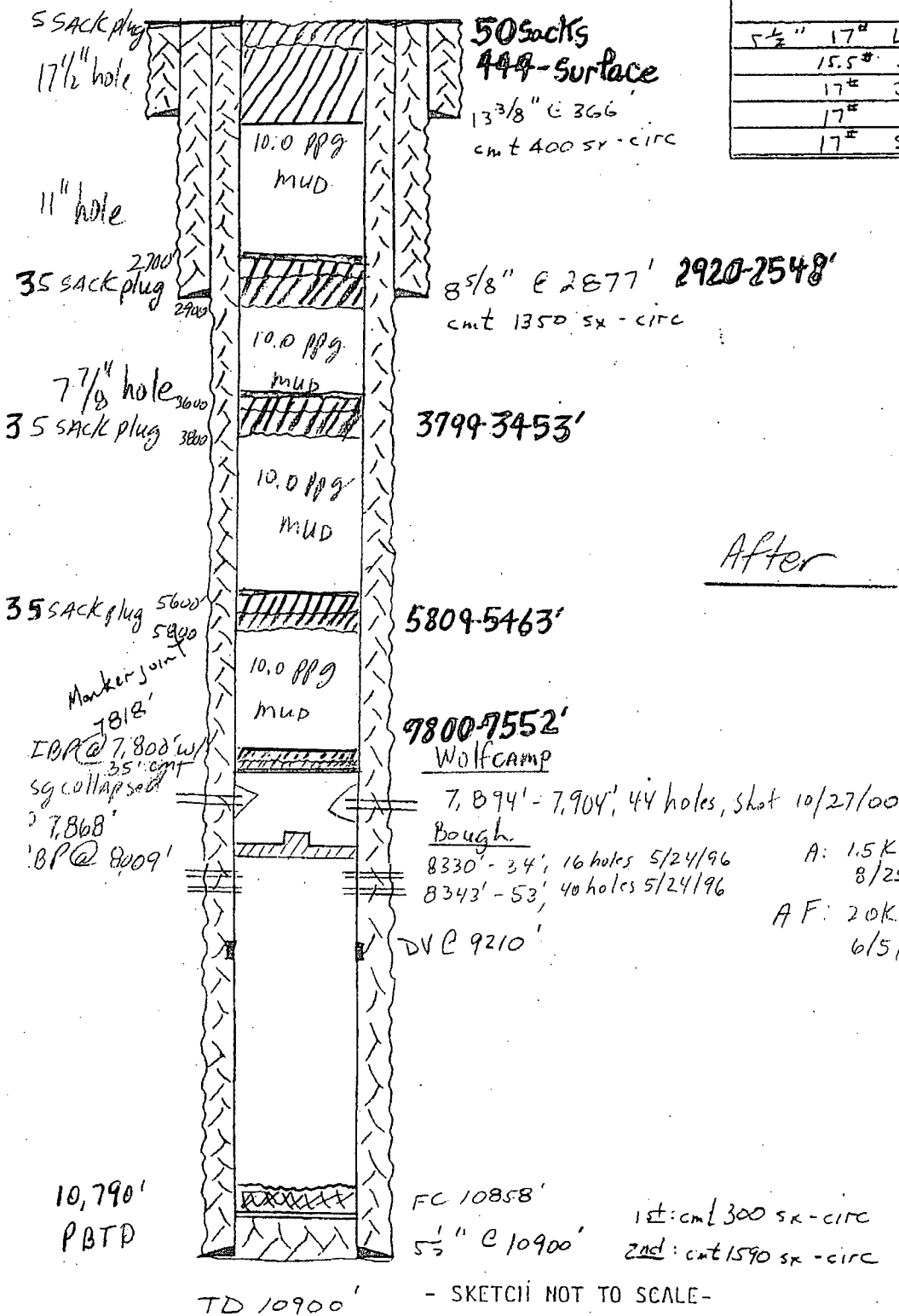
SURVEY NO. 1497

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

WELL NAME: Vest Ranch "RE Fed #2 FIELD AREA: Vest RANCH (Upper Penn)
 LOCATION: 330' FNL 9 1650' FNL Sec 21-145-30E, Chaves Co, NM
 GL: 3855' ZERO: 19' AGL: 3874'
 KB: 3874' ORIG. DRG./COMPL. DATE: 5/96
 COMMENTS: _____

CASING PROGRAM:

SIZE/WT./GR./CONN.	DEPTH SI
13 3/8" H-90 C 366'	
8 5/8" 32" J-55 C 2877'	
5 1/2" 17" L-80 C 2846'	
15.5" J-55 C 6178'	
17" J-55 C 7797'	
17" L-80 C 10737'	
17" S-95 C 10900'	



After

A: 1.5K gal 15% w/ 1000 scf N₂/bbl
 8/25/96
 AF: 20K gal gelled 15% w/ 30% CO₂
 6/5/96

- SKETCH NOT TO SCALE -

REVISED: _____

10/19/99
 [Signature]