

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Endeavor Energy Resources, L.P. 110 N Marienfeld Suite 200 Midland, TX 79701		² OGRID Number 190595
³ Property Code 36936	⁴ Property Name Horton	⁵ API Number 30 - 825 - 40101 ⁶ Well No. 002
⁹ Proposed Pool 1 Tatum; Upper Penn (96786) ✓		¹⁰ Proposed Pool 2

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
A	7	13S	36E		990	North	990	East	Lea

8 Proposed 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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P ✓	¹⁵ Ground Level Elevation 4005 GL
¹⁶ Multiple S	¹⁷ Proposed Depth 11200	¹⁸ Formation Canyon	¹⁹ Contractor Big Dog Drilling	²⁰ Spud Date ASAP

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	430	350	0
11"	8 5/8"	32#	4400	500	0
7 7/8"	5 1/2"	17#	11200	700	*** 4400 4200

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Endeavor purposes to test the Tatum; Upper Penn
17-1/2" hole fresh water 8.4 MW with sweeps (i.e. 28 funnel vis)
11" hole 10# brine (180+ Cl-) 28-34 funnel vis.
7-7/8" hole 8.4-9.5# fresh water to cut brine, 28-40 vis.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

***** CEMENT ON PRODUCTION
CASING MUST TIE INTO INTERMEDIATE
BY 200' ABOVE 8 5/8" HOLE**

Attached; BOP diagram, C102, C144 CLEZ, C144 CLEZ design, operation, closure plan

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature:

Billy E. Prichard

Printed name: Billy E. Prichard

Title: Agent for Endeavor Energy Resources, LP

E-mail Address: billy@pwlle.net

Date:

6/8/11

Phone: 432-934-7680

OIL CONSERVATION DIVISION

Approved by

[Signature]
PETROLEUM ENGINEER

Title:

Approval Date: JUN 15 2011

Expiration Date:

API Number has been assigned by OCD for **DRILLING ONLY**: your company has too many wells in violation of the Inactive well Rule 19 15 5.9 NMAC You must bring your Inactive well list to 5 or less before you can produce this well

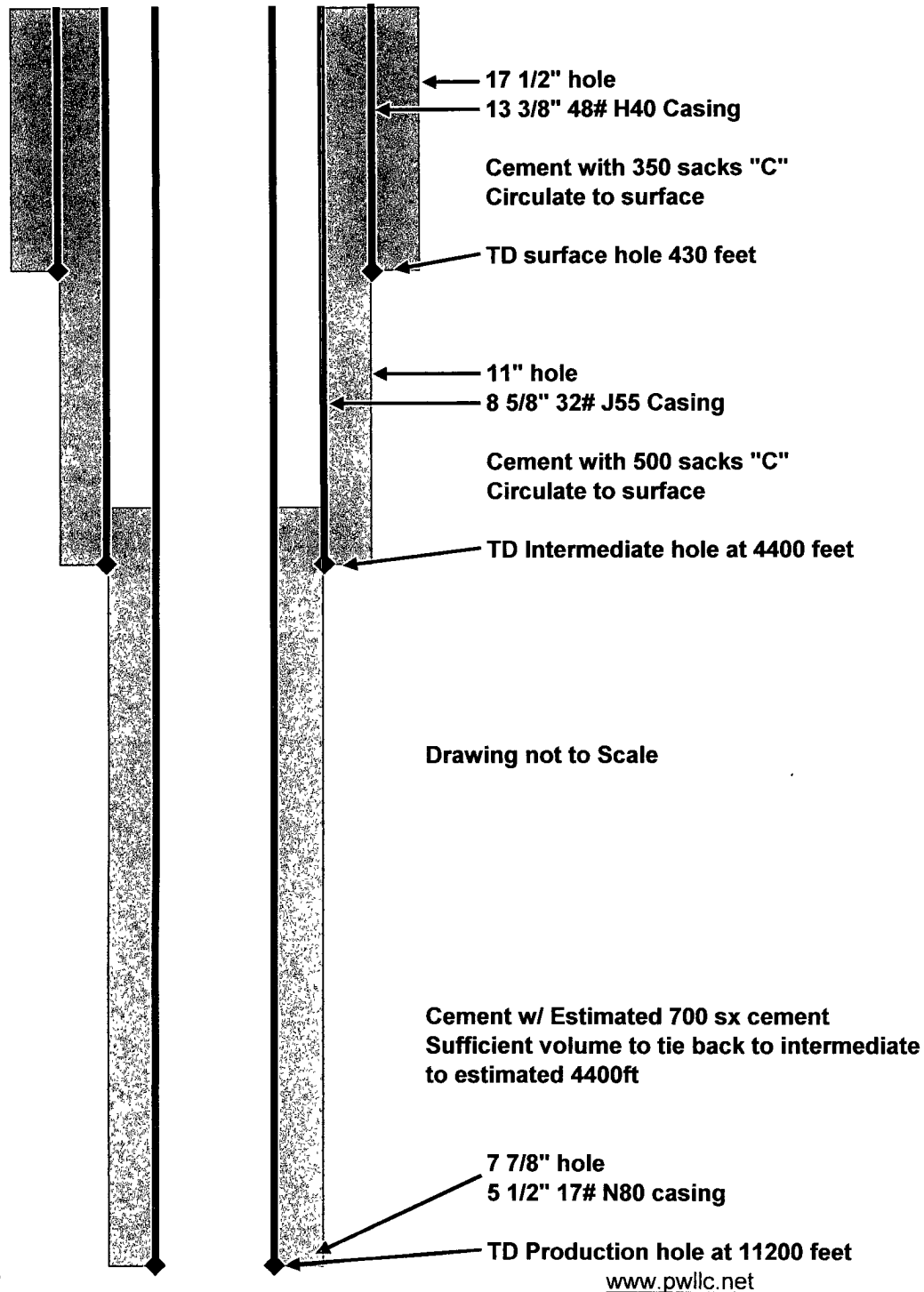
JUN 20 2011

Harton # 2

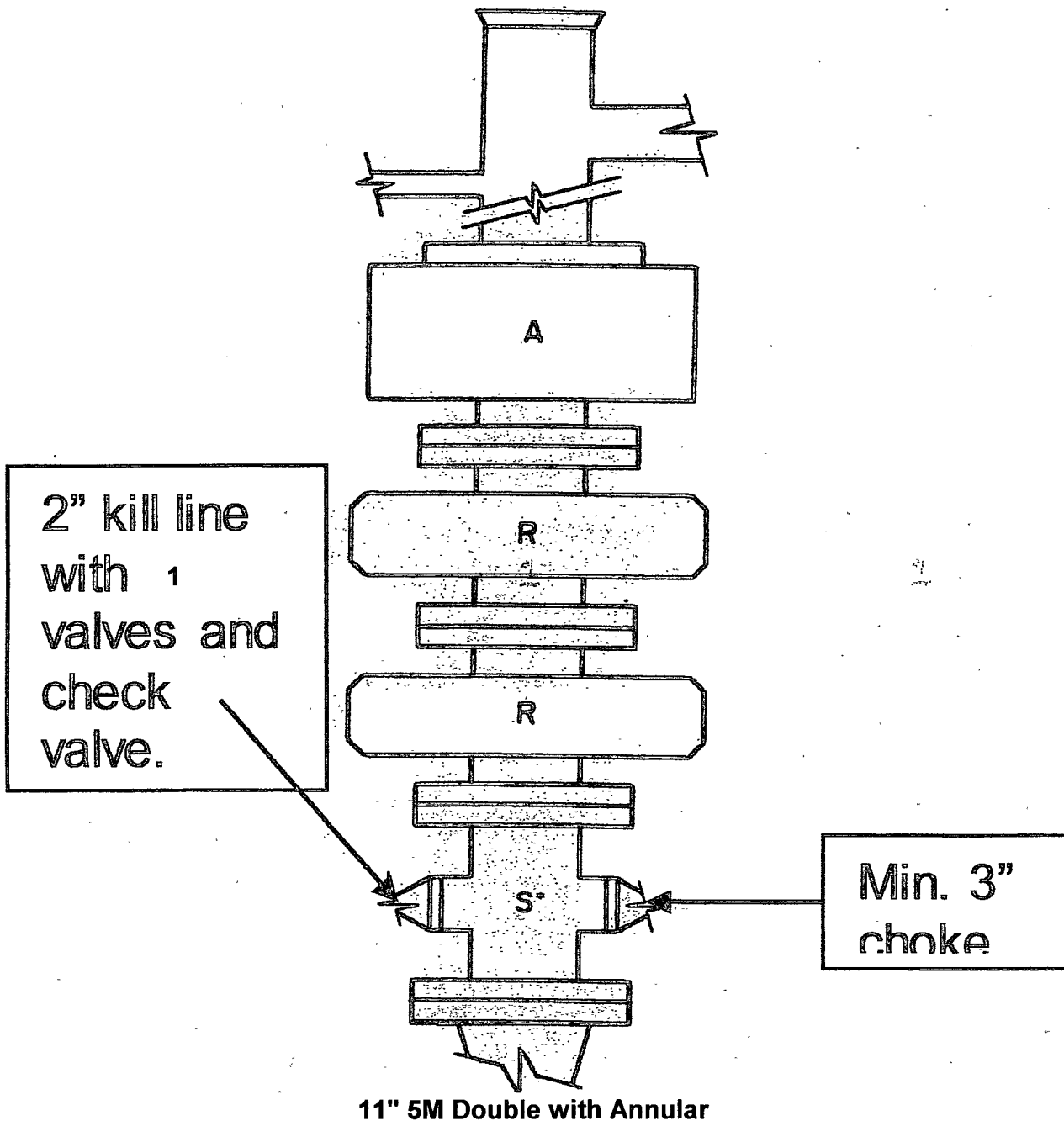
990 FNL X 990 FEL

Unit Letter A, Section 7, T13S, R36E

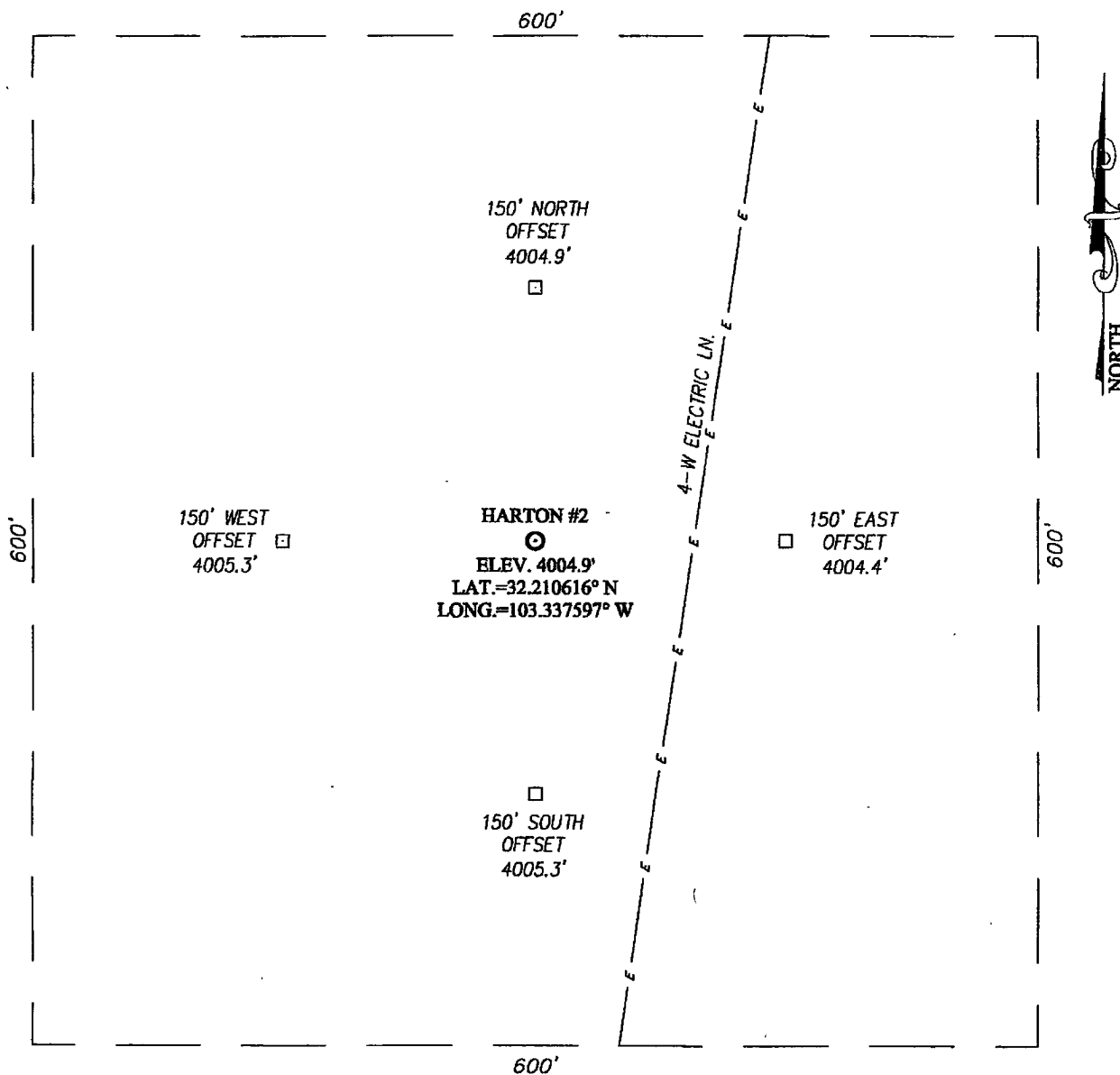
Lea County, New Mexico



BEP

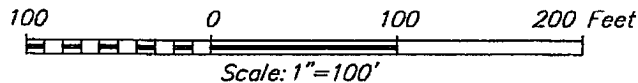


SECTION 7, TOWNSHIP 13 SOUTH, RANGE 38 EAST, N.M.P.M.
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #T-149
(SARTIN RD.) AND CO. RD. #T150 (JAMES RD.), GO
SOUTH ON LEASE ROAD APPROX. 1.2 MILES. THIS
LOCATION STAKE IS APPROX. 990 FEET WEST OF
LEASE ROAD.



ENDEAVOR ENERGY RESOURCES, L.P.

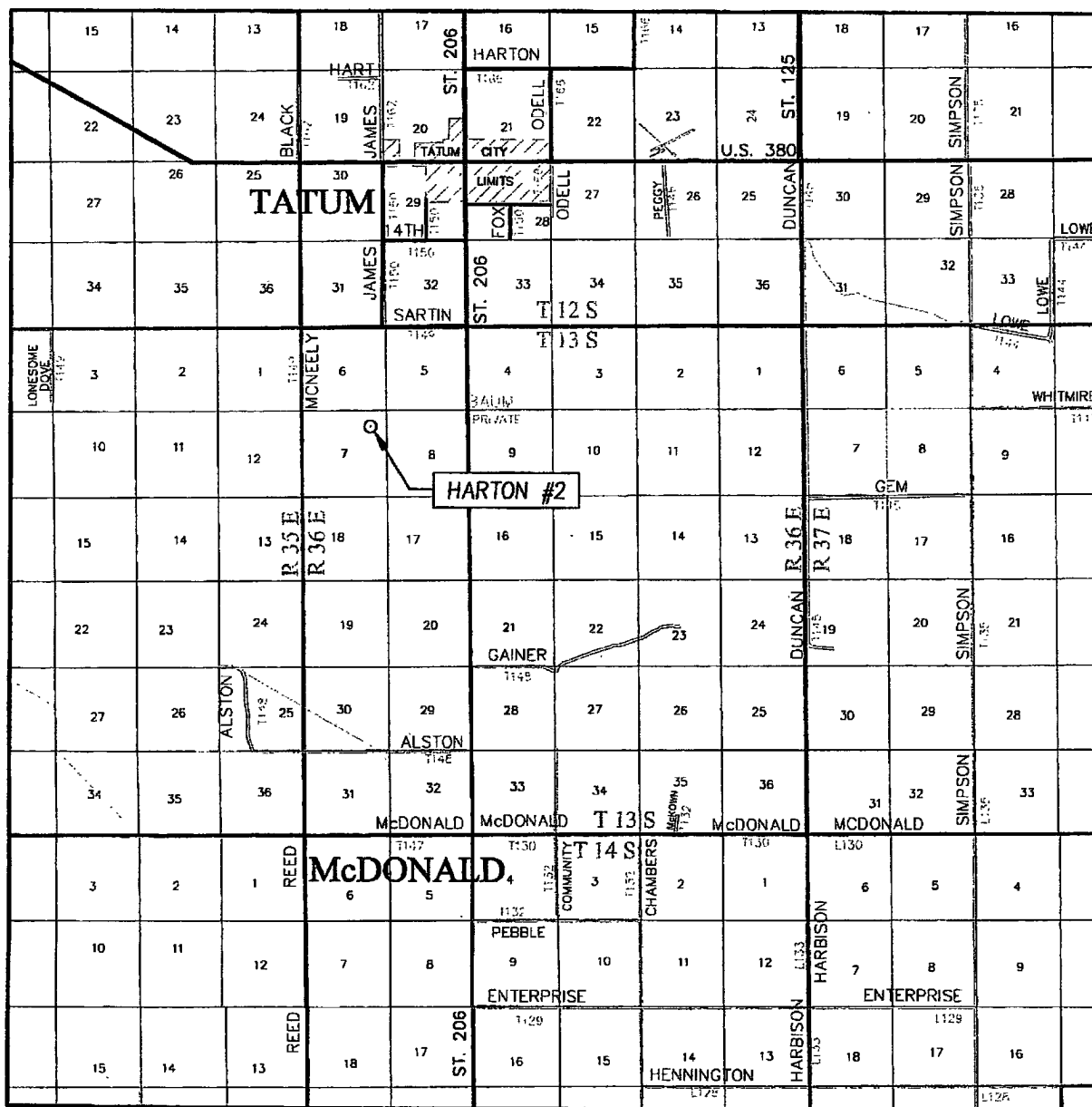
HARTON #2 WELL
LOCATED 990 FEET FROM THE NORTH LINE
AND 990 FEET FROM THE EAST LINE OF SECTION 7,
TOWNSHIP 13 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

Survey Date: 5/31/11	Sheet 1 of 1 Sheets
W.O. Number: 11.11.1176	Dr. By: DSS
Date: 6/4/11	Rel. W.O.: 1111176
	Scale: 1"=100'

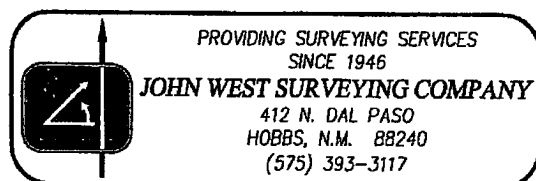


PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117

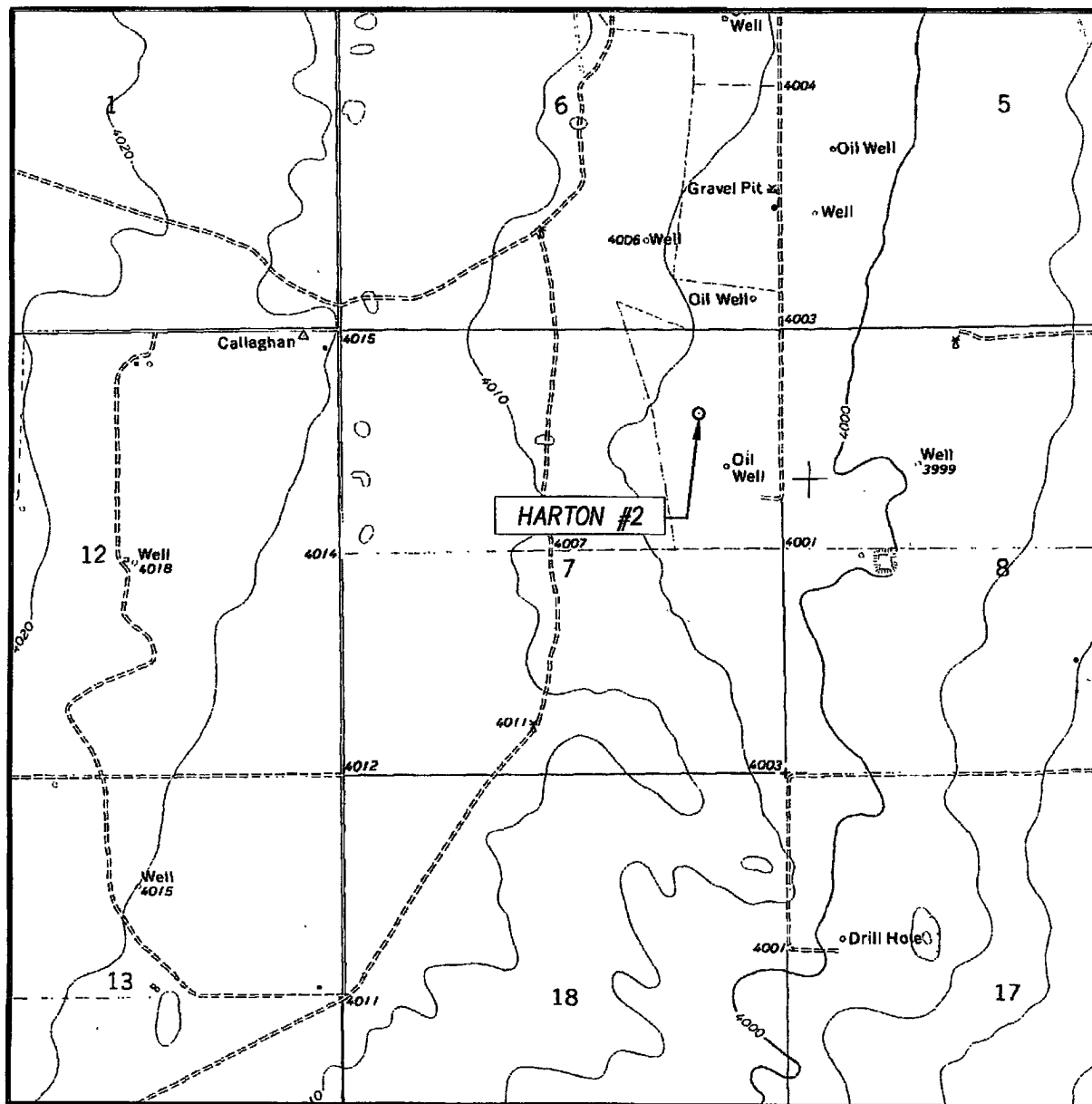
NORTH



SEC. 7 TWP. 13-S RGE. 36-E
SURVEY _____ N.M.P.M. _____
COUNTY LEA STATE NEW MEXICO
DESCRIPTION 990' FNL & 990' FEL
ELEVATION _____ 4005'
OPERATOR ENDEAVOR ENERGY RESOURCES, L.P.
LEASE _____ HARTON _____



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
TATUM SOUTH, N.M. - 5'

SEC. 7 TWP. 13-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 990' FNL & 990' FEL

ELEVATION 4005'

OPERATOR ENDEAVOR ENERGY RESOURCES, L.P.

LEASE HARTON

U.S.G.S. TOPOGRAPHIC MAP
TATUM SOUTH, N.M.

