

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: (575) 748-1283 Fax: (575) 748-9720

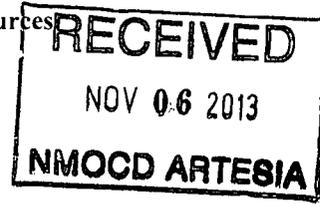
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101
Revised December 16, 2011

Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



Permit

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

¹ Operator Name and Address DEVON ENERGY PRODUCTION CO., L. P. 333 W. SHERIDAN OKLAHOMA CITY, OK 73102		² OGRID Number 6137
⁴ Property Code 40216	³ Property Name HACKBERRY 16 SWD	⁵ API Number 30-015-41783
		⁶ Well No. 1

⁷ Surface Location

UL - Lot M	Section 16	Township 19 S	Range R 31E	Lot Idn	Feet from 330	N/S Line SOUTH	Feet From 280	E/W Line WEST	County EDDY
---------------	---------------	------------------	----------------	---------	------------------	-------------------	------------------	------------------	----------------

⁸ Pool Information

SWD; DEV-FUS-MON-SIMP-ELL
DEVONIAN-SILURIAN/ORDOVICIAN

97775

Additional Well Information

⁹ Work Type NW	¹⁰ Well Type SWD	¹¹ Cable/Rotary	¹² Lease Type STATE	¹³ Ground Level Elevation 3466.2
¹⁴ Multiple	¹⁵ Proposed Depth 15,000'	¹⁶ Formation Devonian	¹⁷ Contractor	¹⁸ Spud Date 2/15/14
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weigh/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26"	20"	94#	450'	1090 sx	0
Int 1	17 1/2"	13 3/8"	61#	2535'	1850 sx	0
Int 2	12 1/4"	9 5/8"	40#	4900'	1300 sx	0
8 3/4"	13395'	7"	26#	13395'	1110 sx	3000'
6 1/8"	15000'	N/A	N/A	Open Hole	N/A	N/A

Casing/Cement Program: Additional Comments

26: HOLE; 20", 94# J-55 BTC @ 450' CEMENT w/ 1090 sx Cl C to surf; 17 1/2" HOLE 13 3/8", 61#, J-55 BTC @ 2535'; CEMENT w/ 1850 sx Cl C to surf. 12 1/4" hole 9 5/8" 40#, HCK-55 LTC @ 4900', CEMENT w/ 1300 sx Cl C to surf. 8 3/4" HOLE, 7" 26#, HCP-110, LTC @ 13,395'. CEMENT w/ 1110 sx H.. 6 1/8" OPEN HOLE 13395-15000'

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Double Ram	5000	5000	

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

I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .

Signature:

Printed name: Judy A. Barnett

Title: Sr. Regulatory Specialist 11/5/13

E-mail Address: Judith.Barnett@dvn.com

OIL CONSERVATION DIVISION

Approved By:

Title:

"Geologist"

Approved Date: 11/7/2013

Expiration Date: 11/7/2015

Date: 11/5/13	Phone: 405-228-8699	Conditions of Approval Attached

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: (575) 748-1283 Fax: (575) 748-0720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41783		Pool Code 97775	Pool Name DEVONIAN, SILURIAN, ORDOVICIAN
Property Code 40216	Property Name HACKBERRY 16 SWD		Well Number 1
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		Elevation 3466.2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	19 S	31 E		330	SOUTH	280	WEST	EDDY

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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.

N89°38'15"E 2642.96 FT		N89°41'15"E 2638.14 FT	
NW CORNER SEC. 16 LAT. = 32.6676346°N LONG. = 103.8829157°W NMSP EAST (FT) N = 606928.78 E = 679940.92	N/4 CORNER SEC. 16 LAT. = 32.6678994°N LONG. = 103.8743291°W NMSP EAST (FT) N = 606945.50 E = 682583.21	NE CORNER SEC. 16 LAT. = 32.667073°N LONG. = 103.8657581°W NMSP EAST (FT) N = 606959.88 E = 685220.69	
NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83), LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83), BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.			
W/4 CORNER SEC. 16 LAT. = 32.6604256°N LONG. = 103.8828967°W HMSP EAST (FT) N = 604267.91 E = 679957.97	HACKBERRY "16" SWD #1 ELEV. = 3466.2' LAT. = 32.6540778°N (NAD83) LONG. = 103.8819641°W NMSP EAST (FT) N = 601979.72 E = 680254.81		E/4 CORNER SEC. 16 LAT. = 32.6604385°N LONG. = 103.8657424°W NMSP EAST (FT) N = 604315.42 E = 685237.17
SW CORNER SEC. 16 LAT. = 32.6531696°N LONG. = 103.8828705°W NMSP EAST (FT) N = 601648.13 E = 679977.22	S/4 CORNER SEC. 16 LAT. = 32.6531811°N LONG. = 103.8742936°W NMSP EAST (FT) N = 601663.50 E = 682818.97	SE CORNER SEC. 16 LAT. = 32.6531946°N LONG. = 103.8657144°W NMSP EAST (FT) N = 601680.04 E = 685257.40	
SURFACE LOCATION			
S89°29'52"W 2640.42 FT		S89°38'36"W 2641.09 FT	

" 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.

Judy A. Barnett 11/5/13
Signature Date

Judy A. Barnett Sr. Regulatory Specialist
Printed Name

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.

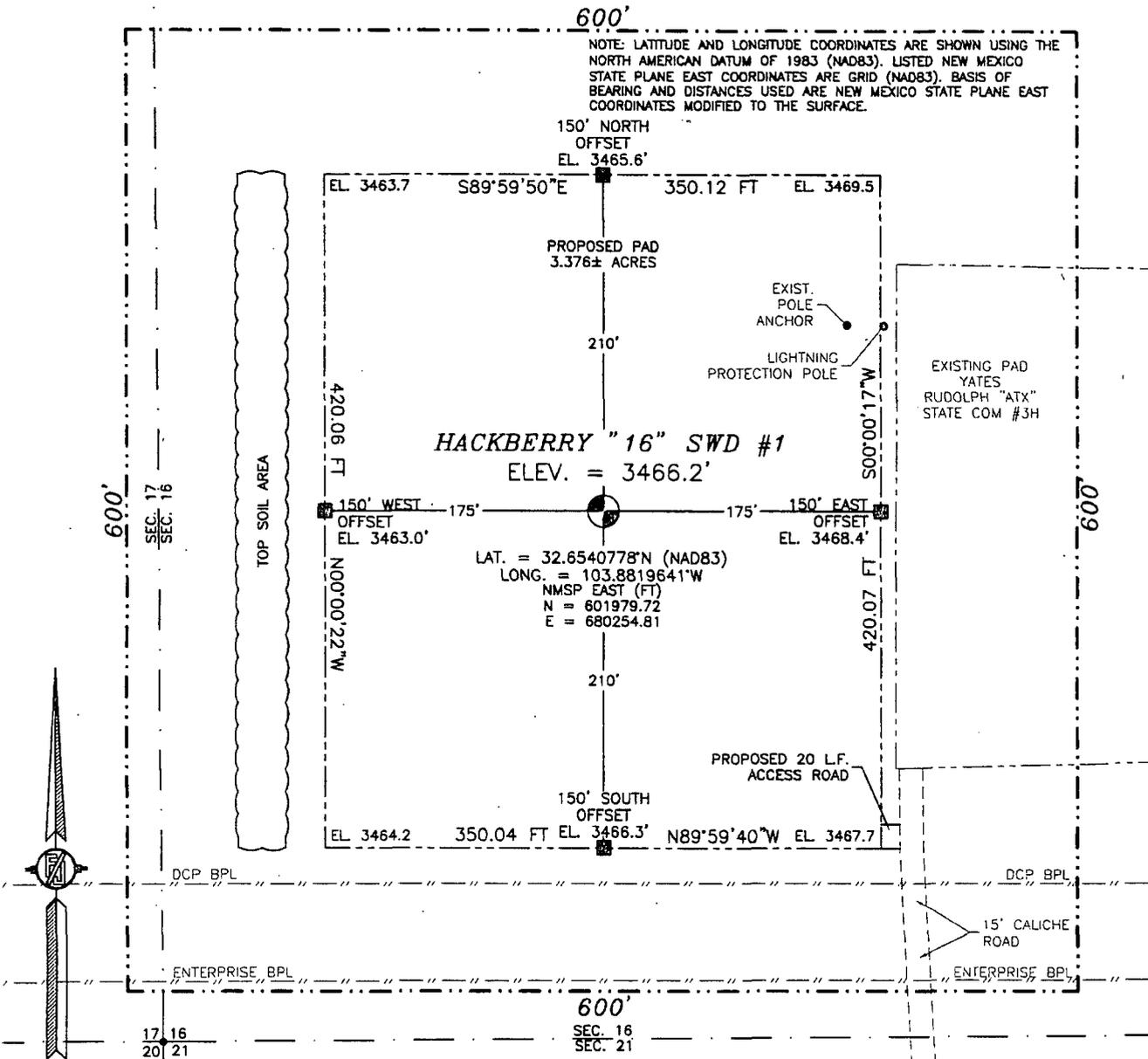
SEPTEMBER 16, 2013
Date of Survey

12797

Frank J. Danville
Signature and Seal of Professional Surveyor

Certificate Number: **FRANK DANVILLE, PLS 12797**
SURVEY NO. 2261A

**SECTION 16, TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
SITE MAP**



NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.

010 50 100 200

SCALE 1" = 100'
DIRECTIONS TO LOCATION

FROM PAVED CR. #222 (SHUGART) AND PAVED CR. #248 (LUSK PLANT RD.) GO SOUTHWEST ON CR. #222 1.8 MILES, TURN RIGHT ON CALICHE LEASE ROAD AND GO WEST-NORTHWEST 0.83 MILES, TURN RIGHT AND GO NORTH 0.2 MILES, TURN LEFT AND GO WEST 255' TURN RIGHT AND GO NORTH 0.22 MILES AND THE SOUTHEAST CORNER OF PROPOSED PAD IS 20' LEFT FOR THIS LOCATION.

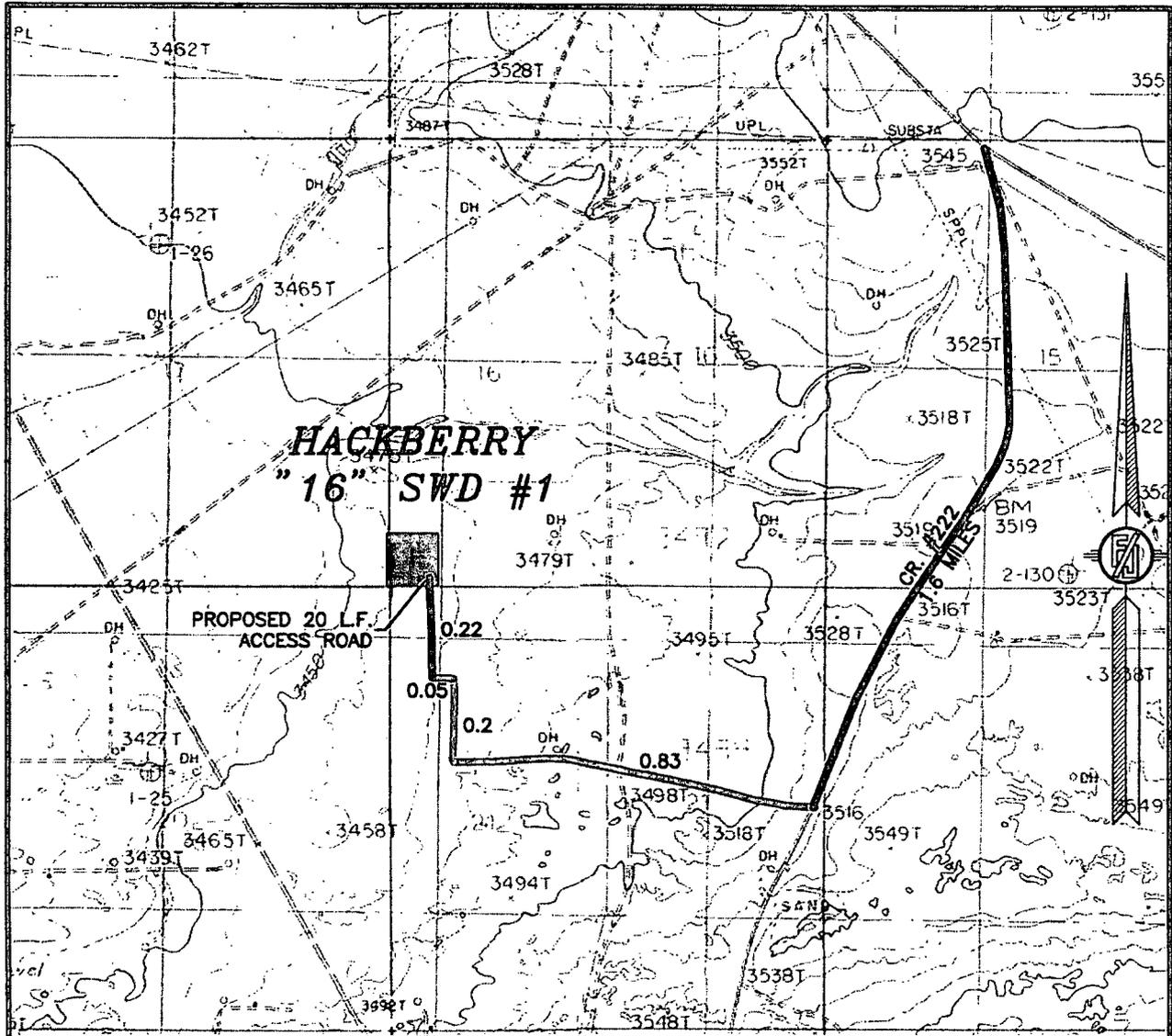
**DEVON ENERGY PRODUCTION COMPANY, L.P.
HACKBERRY "16" SWD #1
LOCATED 330 FT. FROM THE SOUTH LINE
AND 280 FT. FROM THE WEST LINE OF
SECTION 16, TOWNSHIP 19 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO**

SEPTEMBER 16, 2013

SURVEY NO. 2261A

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

SECTION 16, TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 HACKBERRY LAKE
 GREENWOOD LAKE

DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM PAVED CR. #222 (SHUGART) AND PAVED CR. #248 (LUSK PLANT RD.) GO SOUTHWEST ON CR. #222 1.6 MILES, TURN RIGHT ON CALICHE LEASE ROAD AND GO WEST-NORTHWEST 0.83 MILES, TURN RIGHT AND GO NORTH 0.2 MILES, TURN LEFT AND GO WEST 255' TURN RIGHT AND GO NORTH 0.22 MILES AND THE SOUTHEAST CORNER OF PROPOSED PAD IS 20' LEFT FOR THIS LOCATION.

DEVON ENERGY PRODUCTION COMPANY, L.P.

HACKBERRY "16" SWD #1

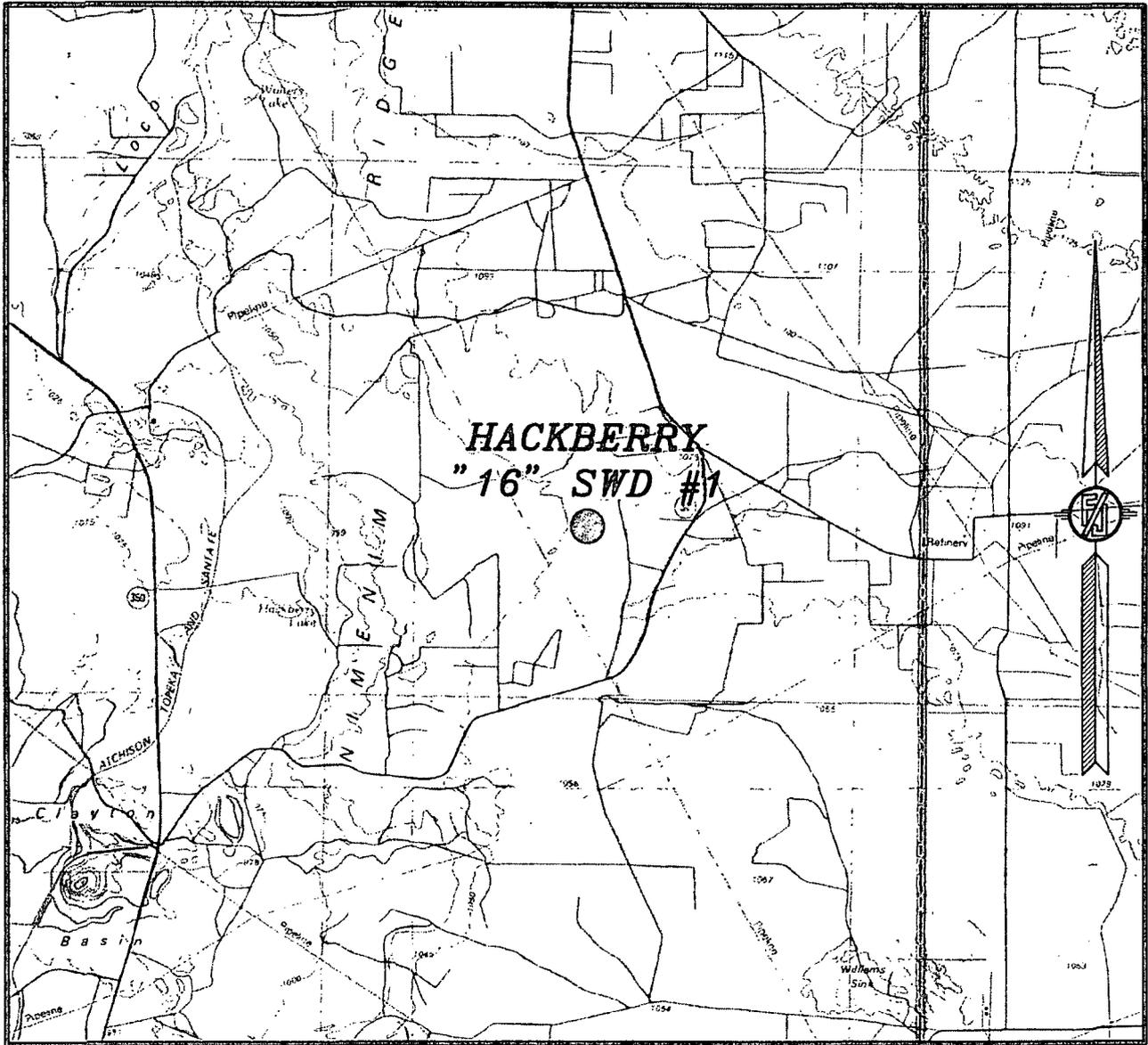
LOCATED 330 FT. FROM THE SOUTH LINE
 AND 280 FT. FROM THE WEST LINE OF
 SECTION 16, TOWNSHIP 19 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 16, 2013

SURVEY NO. 2261A

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

SECTION 16, TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

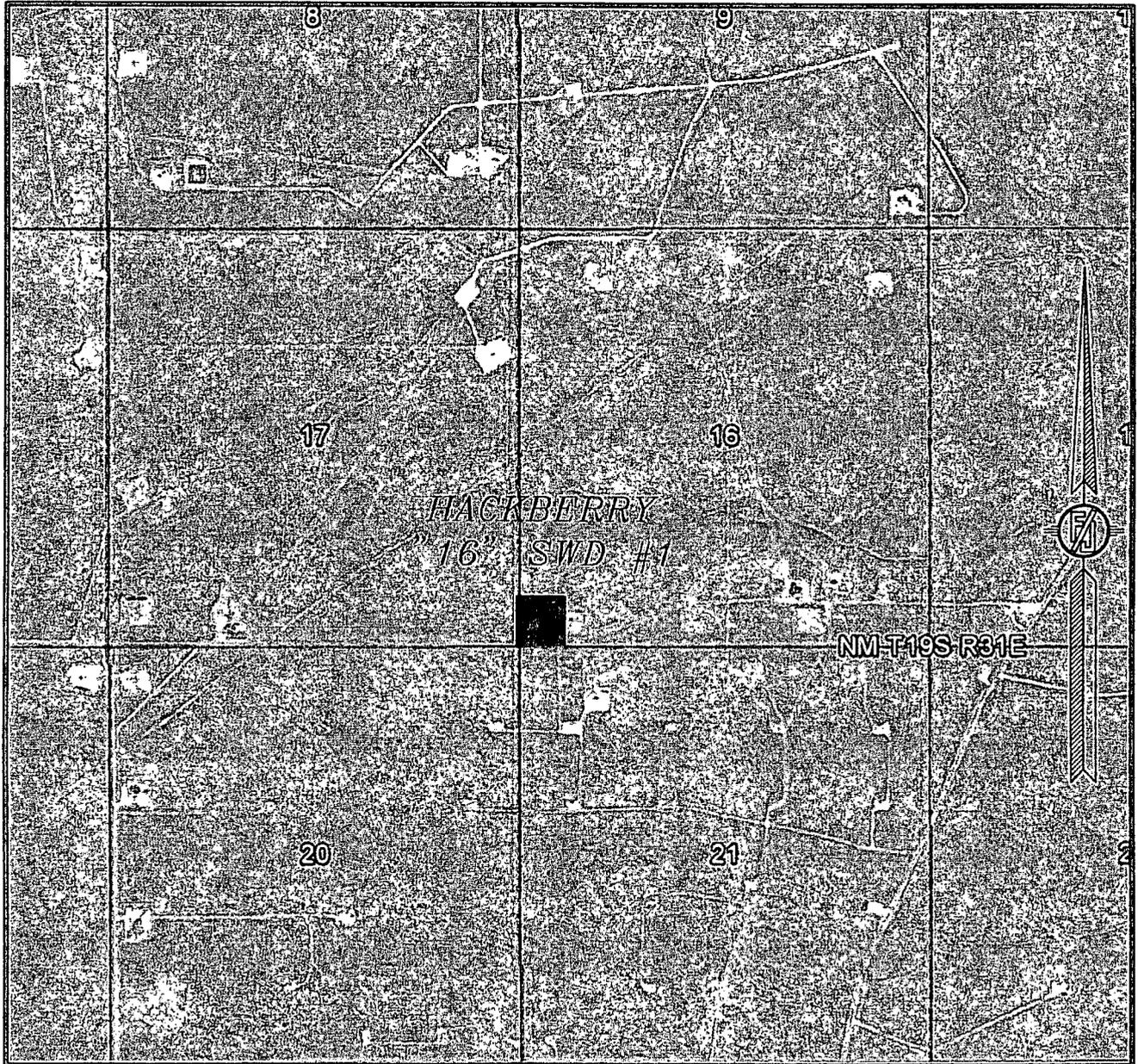
DEVON ENERGY PRODUCTION COMPANY, L.P.
HACKBERRY "16" SWD #1
LOCATED 330 FT. FROM THE SOUTH LINE
AND 280 FT. FROM THE WEST LINE OF
SECTION 16, TOWNSHIP 19 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 16, 2013

SURVEY NO. 2261A

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

SECTION 16, TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MARCH 2012

DEVON ENERGY PRODUCTION COMPANY, L.P.
HACKBERRY "16" SWD #1
LOCATED 330 FT. FROM THE SOUTH LINE
AND 280 FT. FROM THE WEST LINE OF
SECTION 16, TOWNSHIP 19 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 16, 2013

SURVEY NO. 2261A

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