

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (505) 393-6161 Fax: (505) 393-0720

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
Permit 42864

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

1. Operator Name and Address APACHE CORP 6120 S. YALE TULSA, OK 74136		2. OGRID Number 873
4. Property Code 34153		3. API Number 30-025-38211
5. Property Name HESTER 12		6. Well No. 005

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	12	20S	38E	P	990	S	990	E	LEA

**8. Pool Information**

HOUSE; BLINEBRY, SOUTH	33225
HOUSE; DRINKARD	33250
HOUSE; ABO	33210
HOUSE; TUBB	78760

**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3571
14. Multiple Y	15. Proposed Depth	16. Formation Abo Formation	17. Contractor	18. Spud Date 12/24/2006
Depth to Ground water 55		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mills thick Clay <input type="checkbox"/> Pit Volume: 7105 bbls Drilling Method: Closed Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1600	900	
Prod	7.825	5.5	17	7800	1400	

**Casing/Cement Program: Additional Comments**

Permit Expires 1 Year From Approval Date Unless Drilling Underway
--

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	3000	

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 ☐

Printed Name: Lana Williams

Title: Engr. Tech

Email Address: lana.williams@apachecorp.com

**OIL CONSERVATION DIVISION**

Approved By: *Chris Williams*  
 Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approved Date: DEC 12 2006 Expiration Date:

**Oil Conservation Division**

Conditions of approval: Approval for drilling ONLY  
 -- CANNOT produce Downhole Commingled until  
 DHC is approved in Santa Fe.

Date: 12/7/06 Phone: 918-491-4980 *Lara Williams*

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District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Permit 42864

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number <b>30-025-3821</b>	2. Pool Code 33210	3. Pool Name HOUSE;ABO
4. Property Code 34153	5. Property Name HESTER 12	6. Well No. 005
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3571

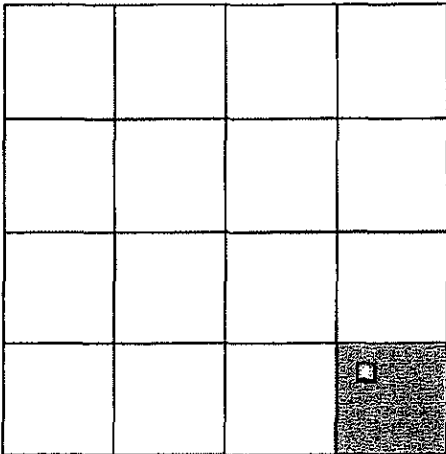
**10. Surface Location**

UL - Lot P	Section 12	Township 20S	Range 38E	Lot Idn	Feet From 990	N/S Line S	Feet From 990	E/W Line E	County LEA
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

**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**

	<b>OPERATOR CERTIFICATION</b>
	<p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p>E-Signed By:</p> <p>Title:</p> <p>Date:</p>
	<b>SURVEYOR CERTIFICATION</b>
	<p><i>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.</i></p> <p>Surveyed By: GARY EIDSON</p> <p>Date of Survey: 7/31/2004</p> <p>Certificate Number: 12641</p>

District I

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Permit 42864**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number <b>30-025-38211</b>	2. Pool Code 33250	3. Pool Name HOUSE, DRINKARD
4. Property Code 34153	5. Property Name HESTER 12	6. Well No. 005
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3571

**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	12	20S	38E		990	S	990	E	LEA

**11. Bottom Hole Location If Different From Surface**

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12. Dedicated Acres 40.00	13. Joint or Infill	14. Consolidation Code	15. Order No.
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**Energy, Minerals and Natural Resources**  
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**Santa Fe, NM 87505**

Form C-102  
Permit 42864

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number <b>30-025-38211</b>	2. Pool Code 78760	3. Pool Name HOUSE;TUBB
4. Property Code 34153	5. Property Name HESTER 12	6. Well No. 005
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3571

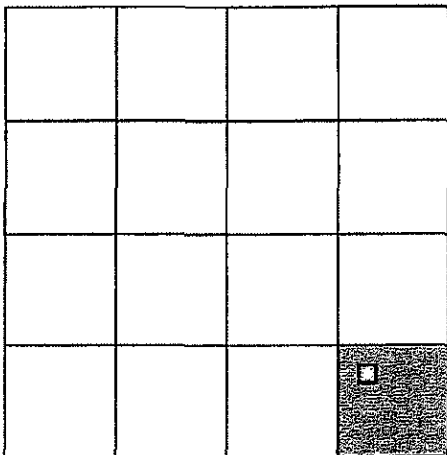
**10. Surface Location**

UL - Lot P	Section 12	Township 20S	Range 38E	Lot Idn	Feet From 990	N/S Line S	Feet From 990	E/W Line E	County LEA
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Permit 42864

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number <b>30-025-38211</b>	2. Pool Code 33225	3. Pool Name HOUSE;BLINEBRY, SOUTH
4. Property Code 34153	5. Property Name HESTER 12	6. Well No. 005
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3571

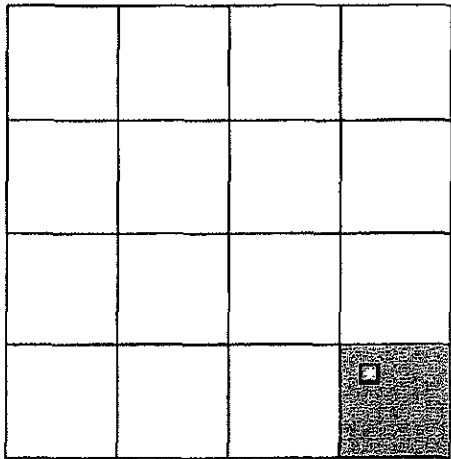
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	<p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By: GARY EIDSON Date of Survey: 7/31/2004 Certificate Number: 12641</p>

## **Permit Comments**

**Operator:** APACHE CORP , 873

**Well:** HESTER 12 #005

**API:**

**There are no comments for this permit**

DISTRICT I  
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1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name HESTER 12	Well Number 5
OGRID No.	Operator Name APACHE CORPORATION	Elevation 3571'

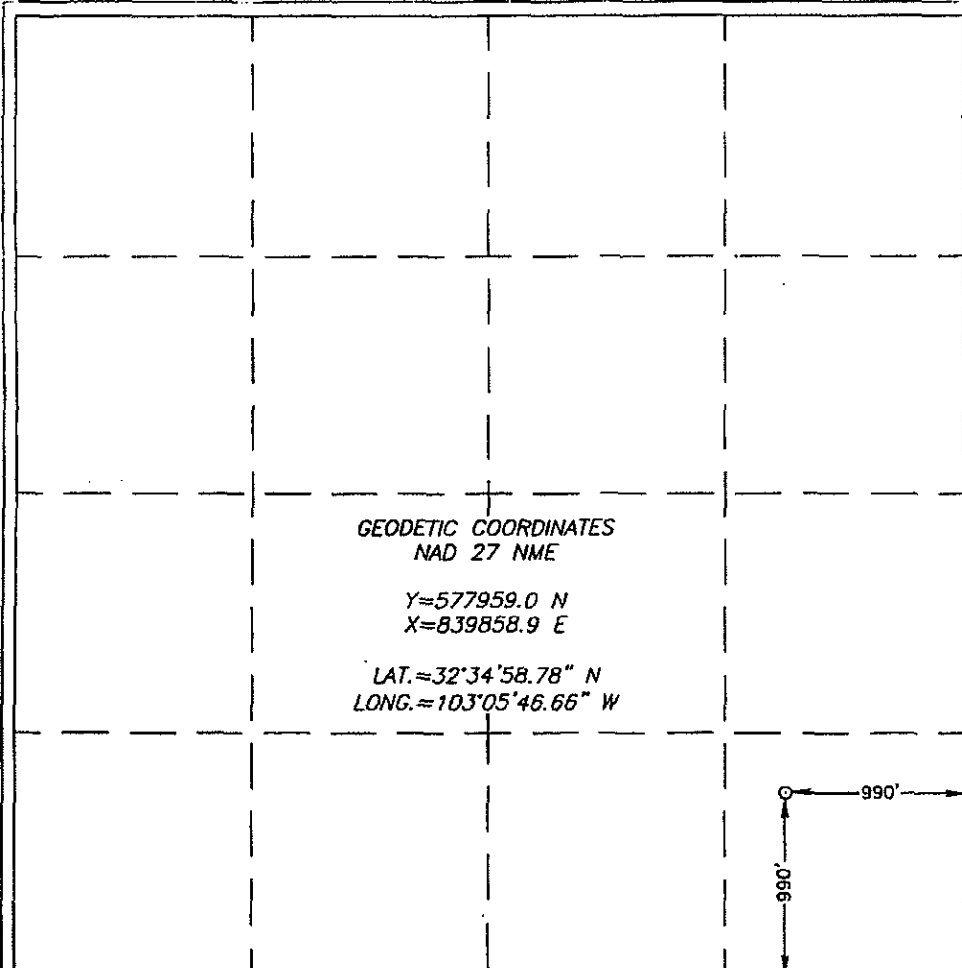
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	20-S	38-E		990	SOUTH	990	EAST	LEA

Bottom Hole Location If Different From Surface

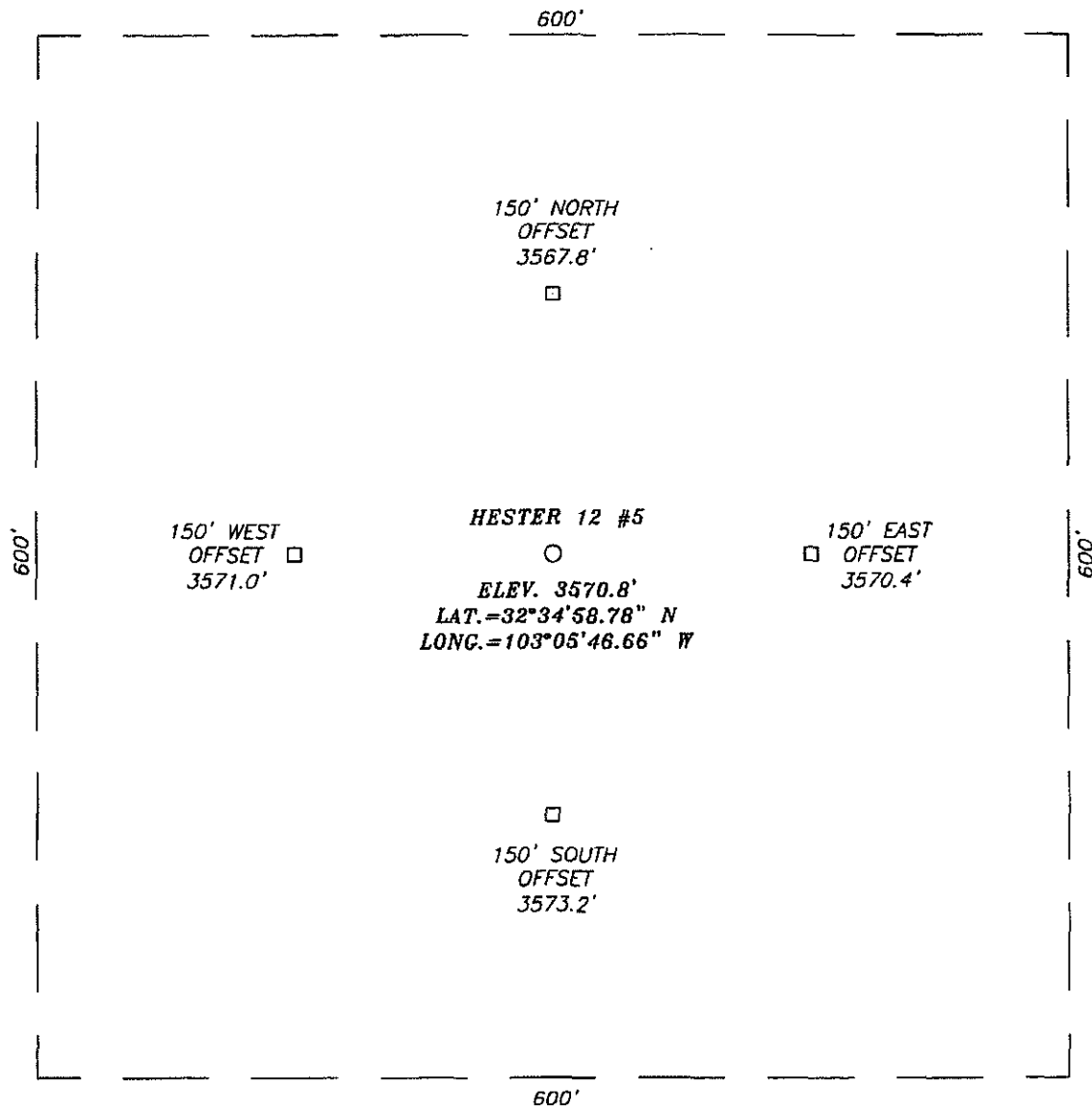
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

 <p>GEODETIC COORDINATES NAD 27 NME  Y=577959.0 N X=839858.9 E  LAT.=32°34'58.78" N LONG.=103°05'46.66" W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Lana Williams</i> Signature</p> <p>Lana Williams Printed Name</p> <p>Engr. Tech Title</p> <p>12/7/08 Date</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>JULY 31, 2004</p> <p>Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p><i>Gary E. Eidsen</i> 8/3/04 04-11-0983</p> <p>Certificate No. GARY EIDSON 12641</p>

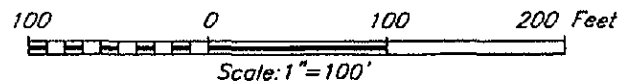


**SECTION 12, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M.,**  
LEA COUNTY, NEW MEXICO



**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF ST. HWY #18 AND STARLIGHT RD., GO EAST ON STARLIGHT RD. FOR APPROX. 1.4 MILES TO A CALICHE ROAD ON THE RIGHT. TURN RIGHT (SOUTH) AND GO SOUTH APPROX. 0.9 MILES. ROAD TURNS LEFT (EAST) FOLLOW ROAD APPROX. 0.1 MILES, GO SOUTHEAST APPROX. 0.1 MILES TO A FORK IN THE ROAD. GO LEFT (SOUTHEAST) ON OLD CALICHE ROAD. FOLLOW ROAD APPROX. 0.1 MILES TO A TRAIL ROAD ON THE LEFT. TURN LEFT (EAST) AND GO APPROX. 0.1 MILES. PROPOSED LOCATION IS APPROX. 1000' NORTH.



**APACHE CORPORATION**

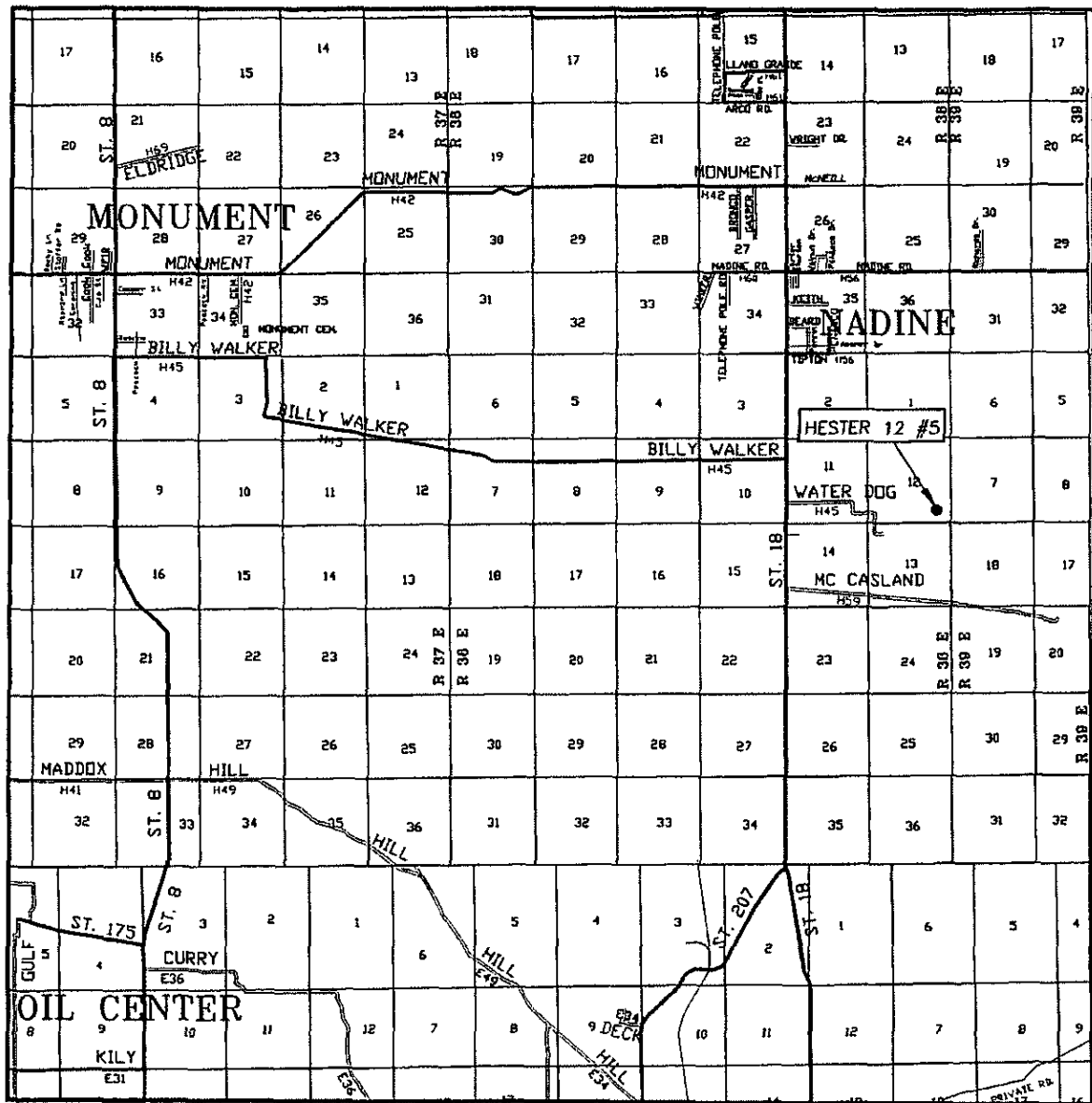
HESTER 12 #5 WELL  
LOCATED 990 FEET FROM THE SOUTH LINE  
AND 990 FEET FROM THE EAST LINE OF SECTION 12,  
TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.

Survey Date: 07/31/04	Sheet 1 of 1 Sheets
W.O. Number: 04.11.0983	Dr By: J. RIVERO
Date: 08/2/04	Rev 1: N/A
Disk: CD#10	04110983
Scale: 1"=100'	



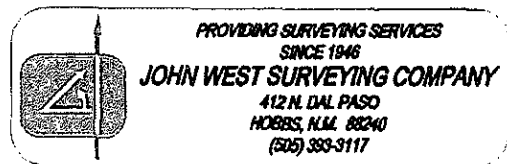
PROVIDING SURVEYING SERVICES  
SINCE 1948  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(505) 393-3117

# VICINITY MAP

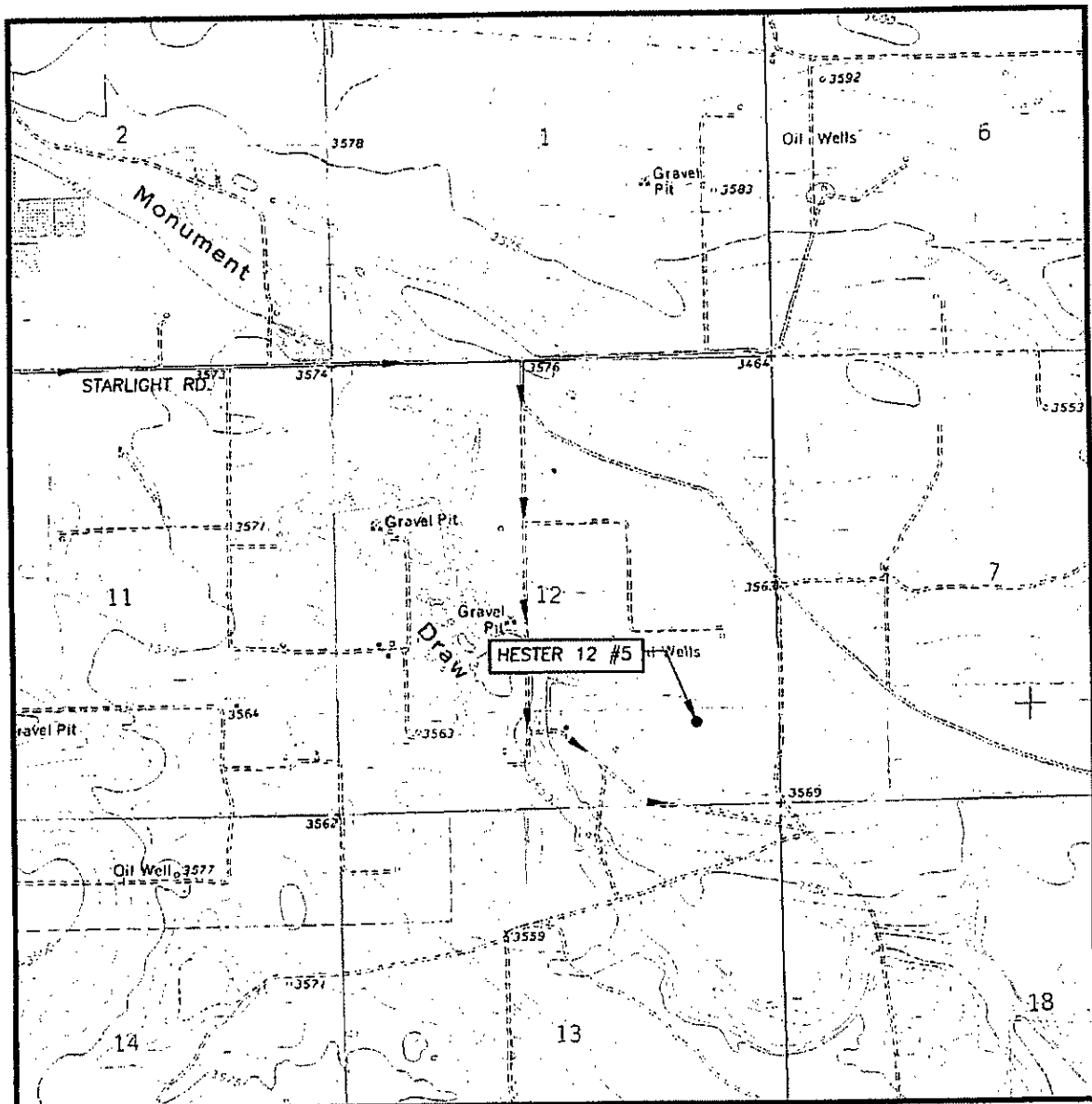


SCALE: 1" = 2 MILES

SEC. 12 TWP. 20-S RGE. 38-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 990' FSL & 990' FEL  
 ELEVATION 3571'  
 OPERATOR APACHE CORPORATION  
 LEASE HESTER 12



# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
HOBBS SE, N.M. - 5'

SEC. 12 TWP. 20-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

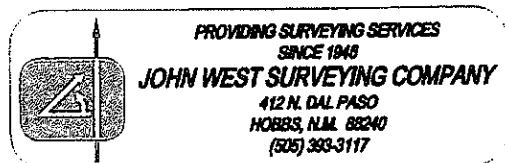
DESCRIPTION 990' FSL & 990' FEL

ELEVATION 3571'

OPERATOR APACHE CORPORATION

LEASE HESTER 12

U.S.G.S. TOPOGRAPHIC MAP  
HOBBS SE N.M.



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State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-144  
August 2, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: Apache Corporation Telephone: (918) 491-4800 e-mail address: clinton.mills@apachecorp.com  
Address: Two Warren Place, Suite 1500, 6120 S. Yale Tulsa Oklahoma 74136-4724  
Facility or well name: Hester 12 #5 API #: 30-025-3821 U/L or Qtr/Qtr. P Sec. 12 T 20S R 38E  
County: Lea Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☒ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Volume <u>7105</u> bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet - 70 ft (10 points) 10 Pts 100 feet or more (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)
Ranking Score (Total Points) 10 Points	

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: onsite ☐ offsite ☐ If offsite, name of facility \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 8/2/2004

Printed Name/Title Clint Mills - Drilling Engineer

Signature Clint Mills 8/2/04

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Date: 12/12/06

Printed Name/Title CHRIS WILLIAMS DIST. SUPV

Signature Chris Williams