

7-22-2005 DATE IN	SUSPENSE	Stop all ENGINEER	LOGGED IN Sally	TYPE NSL	NSL MP- APP NO. 520638645
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

#### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☒ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

#### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

George F. Pritchard  
 Print or Type Name

Signature

*George F. Pritchard*

Geologist  
 Title

Date

7/19/05

gpritchard@chevron.com  
 e-mail Address



RECEIVED

MidContinent SBU  
Chevron North America Exploration  
and Production Company  
P. O. Box 36366  
Houston, TX 77236

July 19, 2005

JUL 22 2005

Request for Administrative Approval of **OIL CONSERVATION**  
Unorthodox Oil Well Location and **DIVISION**  
Simultaneous Dedication

Mr. Mark E. Fesmire  
New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Dear Mr. Fesmire:

Chevron respectfully requests administrative approval of an unorthodox oil well location for the following well:

**V.M. Henderson #20**  
1360' FNL & 1360' FWL, SE/4 NW/4 of  
Section 30, T21S, R37E, Unit Letter F  
Lea County, New Mexico

The proposed well will be an infill producer in the Penrose Skelly, Grayburg Pool, which is an oil pool spaced on 40 acres. This well is a follow-up to our recent infill drilling in the same Pool which concluded in 2004. Chevron's technical analysis of the reservoir still supports the contention that typical Grayburg wells cannot drain 40 acres.

The SE/4 NW/4 of Section 30 will be simultaneously dedicated in the Penrose Skelly, Grayburg Pool to the proposed well and to the V.M. Henderson #18. The V.M. Henderson #18 will be a replacement new drill for the V.M. Henderson #7 and will be completed as a Penrose Skelly, Grayburg producer. Chevron also requests approval for simultaneous dedication.

This application is based on geological and engineering analysis. The analysis and justification for this request is attached as Exhibit 1, along with other supporting documentation. There are five wells that have produced the Grayburg formation in the NW/4 of Section 30. The proposed well will be located in the approximate center of those wells. Based on drainage calculations, Chevron believes that drilling the infill well will recover reserves that would not be recovered by existing Grayburg producers.

A land plat highlighting the proposed well's location is attached as Exhibit 2. The N/2 of Section 30 is covered by two fee leases which have common royalty and working interest ownerships. For that reason and the proposed location of the infill well, there are no adversely affected interest owners and no one has been notified of this application.

July 19, 2005  
Page 2

If you have any questions concerning this application or need additional information, please contact me by phone at (281) 561-4918 or by email at [gpritchard@chevron.com](mailto:gpritchard@chevron.com). If I am not available, you can also reach Mark Wakefield by phone at (281) 561- 4866 or by email at [wakefms@chevron.com](mailto:wakefms@chevron.com). Thank you for consideration of this matter.

Sincerely,

A handwritten signature in black ink, reading "George F. Pritchard". The signature is written in a cursive style with a large, looping "G" and "P".

George F. Pritchard  
Geologist

Attachments

cc: NMOCD District 1 – Hobbs, NM  
George F. Pritchard  
Mark Wakefield  
Well File

## **NOTIFICATION LIST**

Application of Chevron U.S.A. Inc. for Administrative Approval of an Unorthodox Oil Well Location and Simultaneous Dedication:

**V.M. Henderson #20**

1360' FNL & 1360' FWL

Section 30, T21S, R37E, Unit Letter F

Lea County, New Mexico

**Offset Operators, Working Interest Owners, N/2 Section 30:**

- |    |   |                  |
|----|---|------------------|
| 1. | Chevron U.S.A. Inc.<br>11111 S. Wilcrest<br>Houston, TX 77099 | Operator/100% WI |
|----|---|------------------|

## **EXHIBIT 1**

### **ENGINEERING AND GEOLOGICAL JUSTIFICATION**

Application of Chevron U.S.A. Inc. for Administrative Approval of an Unorthodox Oil Well Location and Simultaneous Dedication:

**V.M. Henderson #20**

1360' FNL & 1360' FWL

Section 30, T21S, R37E, Unit Letter F

Lea County, New Mexico

### **PRIMARY OBJECTIVE: GRAYBURG**

#### **SUPPORTING DATA:**

1. Chevron U.S.A. Inc. (Chevron) is the operator of the proposed V.M. Henderson #20 well (Exhibit 3). The proposed total depth is 4300' in the top of the San Andres formation.
2. The completion will be in the Penrose Skelly, Grayburg Oil Pool and the proposed location encroaches toward the following wells (Exhibit 4).

Operator	Well	Location	Formation	Cum Prod		Current Prod		Status
				MBO	MMCF	BOPD	MCFPD	
Chevron	Henderson #4	30-C	Grayburg	24	85			Recompleted to Y7RQ
Chevron	Henderson #7	30-F	Grayburg	11	82			Recompleted to Drinkard
Chevron	Henderson #8	30-E	Grayburg	22	152			Abandoned
Chevron	Henderson #10	30-D	Grayburg	19	49			Recompleted to Paddock
Chevron	Henderson #13	30-E	Grayburg	2	53	11	188	Producing

3. The proposed V.M. Henderson #20 unorthodox Grayburg location is based primarily on drainage considerations:
  - a. Grayburg Reservoir

The Grayburg is a series of alternating subtidal and supratidal dolomites with the subtidal rock having porosity and hydrocarbons while the supratidal rock is tight. The Grayburg depositional environments varied rapidly so that many porous and tight intervals are not continuous from well to well on 40-acre spacing. Tight dolomite and/or anhydrite intervals within the Grayburg create vertical and horizontal flow barriers between different zones of porosity. Additionally, average porosity of the Grayburg is less than 10%, and the average permeability is less than 1 millidarcy. For all of these reasons, Grayburg wells are not usually capable of draining a 40-acre proration unit.

The reservoir was also analyzed by mapping the Hydrocarbon Pore Volume (HCPV) (Exhibit 5). HCPV is the product of feet of net pay (h) times average porosity (phi) time oil saturation ( $S_o$ ). The attached map is the arithmetic product of grids interpreted from those values. The values were obtained as follows:

1. Net pay was read from either modern neutron-density logs or estimated from a map developed from gross pay times net-to-gross ratio (Exhibit 4).
2. Average porosity was calculated from modern well logs using a minimum of 6% crossplot porosity and a maximum of 20%.
3. Oil saturation was calculated from a fractional flow curve using representative water cut values.

The following table provides drainage areas calculated from the HCPV map and reserves of the offsetting wells.

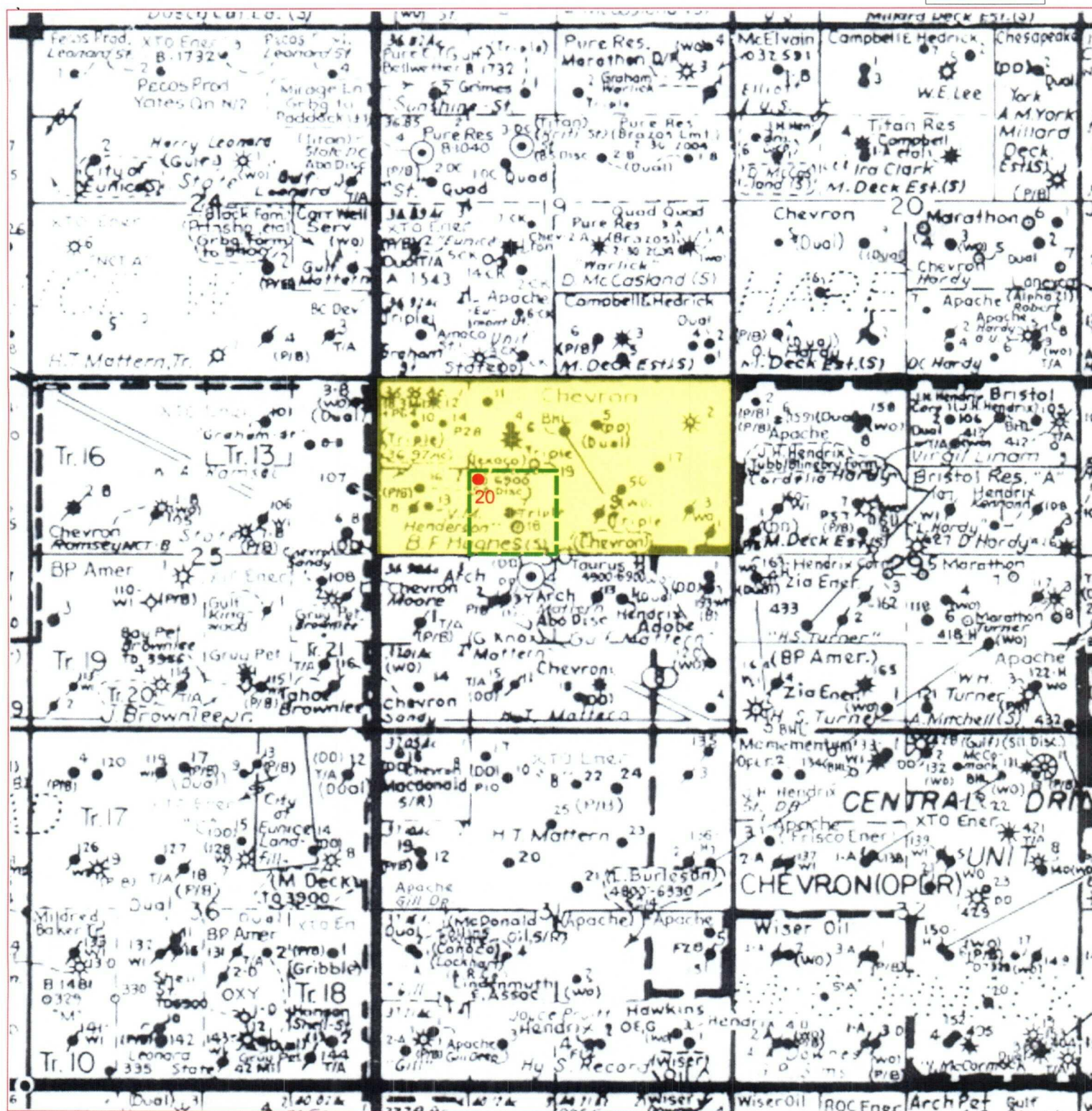
Operator	Well	Location	Formation	Drainage Acres	EUR	
					MBO	MMCF
Chevron	Henderson #4	30-C	Grayburg	4	24	85
Chevron	Henderson #7	30-F	Grayburg	2	11	82
Chevron	Henderson #8	30-E	Grayburg	5	22	152
Chevron	Henderson #10	30-D	Grayburg	4	19	49
Chevron	Henderson #13	30-E	Grayburg	5	22	229

As seen above, the average location drainage area of the offsetting wells is approximately 5 acres, and additional reserves can be recovered by drilling the proposed infill well at an approximate equidistant location from the existing offsetting producers. Reserves for the proposed location were calculated using the HCPV map, an 8 acre drainage area, and a 15% recovery factor. The results are as follows:

Operator	Well	Location	HCPV	Drainage Acres	EUR	
					MBO	MMCF
Chevron	Henderson #20	30-F	6.3	8	40	191

4. The N/2 of Section 30 is covered by two fee leases which have common royalty and working interest ownerships. Chevron is the operator and 100% working interest owner of the Grayburg wells toward which the proposed well will encroach. Therefore, there are no offset interest owners or adversely affected parties to notify of this application.
5. The proposed V.M. Henderson #20 will share a 40-acre proration unit and will be simultaneously dedicated with the Henderson #18 (a replacement well for the Henderson #7) as a Penrose Skelly, Grayburg producer in Section 30, Unit Letter F.
6. Approval of this application will allow for the recovery of oil and gas reserves which would not otherwise be recovered.





### Chevron USA Inc.

V.M. Henderson #18  
 2170 FNL & 2040 FWL, Unit F  
 V.M. Henderson #20 (proposed)  
 1360 FWL, 1320 FWL, Unit F  
 Section 30, T21S-R37E  
 Lea County, New Mexico

 V.M. Henderson Lease

 40 Acre Proration Unit

Scale: 1"=2000'

# Exhibit 3

DISTRICT I  
1025 N. FRENCH DR., HOBBES, NM 86340

State of New Mexico  
Energy, Minerals and Natural Resources Department

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 86210

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

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

## 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 VM HENDERSON	Well Number 20
OGRID No.	Operator Name CHEVRON U.S.A., INC.	Elevation 3497'

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	30	21-S	37-E		1360	NORTH	1360	WEST	LEA

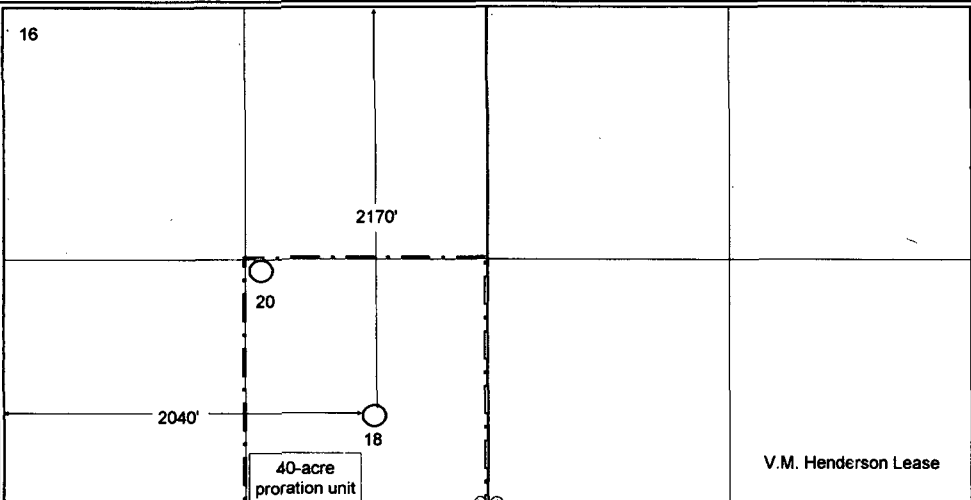

#### Bottom Hole Location If Different From Surface

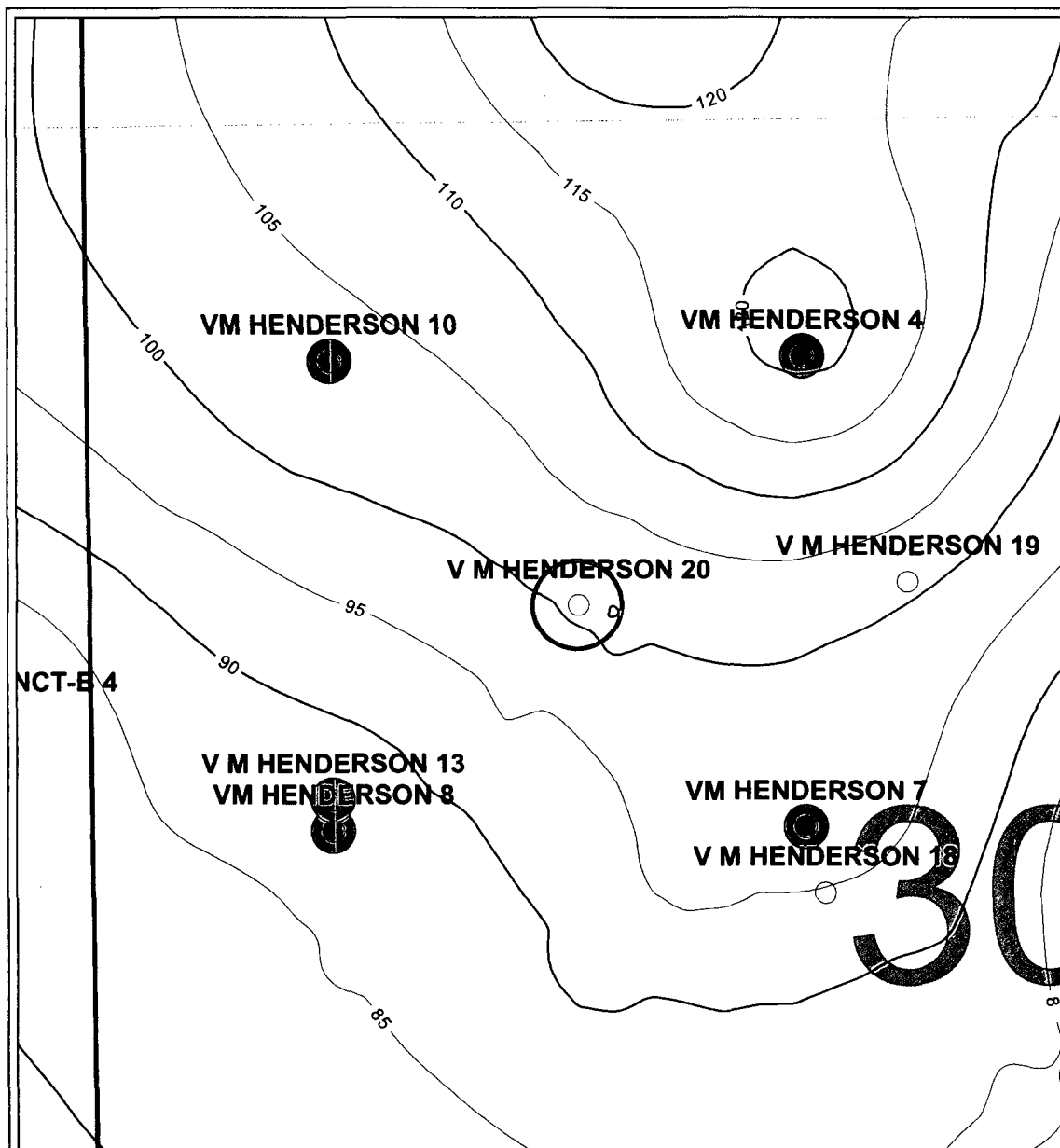
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

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

<p>LOT 1 36.95 AC</p> <p>LOT 2 36.97 AC</p> <p>LOT 3 36.99 AC</p> <p>LOT 4 37.01 AC</p> <p>GEODETIC COORDINATES NAD 27 NME Y=530464.1 N X=847873.9 E LAT.=32°27'11.91" N LONG.=103°12'20.12" W</p>	<h4>OPERATOR CERTIFICATION</h4> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature _____</p> <p>Printed Name _____</p> <p>Title _____</p> <p>Date _____</p> <h4>SURVEYOR CERTIFICATION</h4> <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>JANUARY 11, 2005</p> <p>Date Surveyed _____ JR</p> <p>Signature &amp; Seal of Professional Surveyor GARY G. EIDSON 1/14/05</p> <p>04.11.1917</p> <p>Certificate No. GARY EIDSON 12641</p>
--	--



<div>16</div>  <div>V.M. Henderson Lease</div>	<div>1</div> <div>OPERATOR CERTIFICATION</div> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <div> Signature</div> <div>George F. Pritchard Printed Name</div> <div>Geologist Title</div> <div>July 18, 2005 Date</div>
	<div>1</div> <div>SURVEYOR CERTIFICATION</div> <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> <div>Signature and Seal of Professional Surveyor:</div> <div>Certificate Number</div>



PETRA 7/18/2005 10:03:30 AM

## CHEVRON U.S.A.

### EXHIBIT 4

#### PENROSE-SKELLY FIELD V M HENDERSON #20

Sec. 30 T21S-R37E, Lea Co, New Mexico

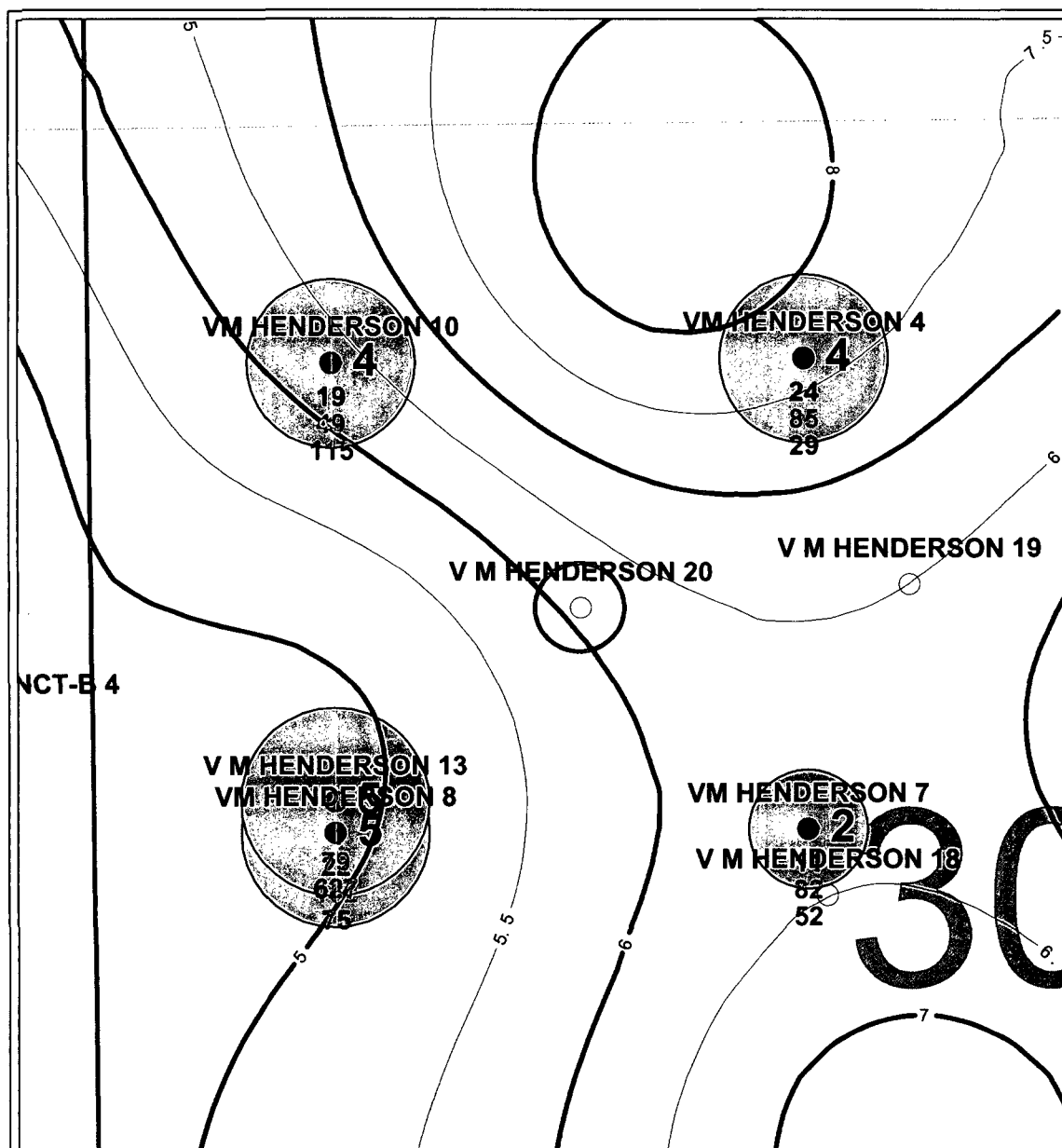
Grayburg Net Pay CI=5.1 [Gr<40, Por>6%]

#### POSTED WELL DATA

Well Label



July 18, 2005



PETRA 7/18/2005 1:39:06 PM

## CHEVRON U.S.A.

### EXHIBIT 5

#### PENROSE-SKELLY FIELD V M HENDERSON #20

Sec. 30 T21S-R37E, Lea Co, New Mexico

Grayburg HCPV CI=0.5 & EUR - Drainage

#### POSTED WELL DATA

##### Well Label

● GFP\_GRAYBURG - EUR-GRAYBURG-ACRES[GFP]

GFP\_GRAYBURG - GRAYBURG-CUM\_OIL\_MBO[PI]  
 GFP\_GRAYBURG - GRAYBURG-CUM\_GAS\_MMCF[PI]  
 GFP\_GRAYBURG - GRAYBURG-CUM\_WATER\_MBO[PI]



July 18, 2005

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  
May 27, 2004

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**

<sup>1</sup> Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD, MIDLAND, TX 79705		<sup>2</sup> OGRID Number 4323
<sup>3</sup> Property Code 2683 30020	<sup>4</sup> Property Name V. M. HENDERSON	<sup>5</sup> API Number 30-025-37110
<sup>9</sup> Proposed Pool 1 PENROSE SKELLY GRAYBURG ✓ 50350		<sup>10</sup> Proposed Pool 2

**7 Surface Location**

UL or lot no. F	Section 30	Township 21-S	Range 37-E	Lot Idn	Feet from the 2170'	North/South line NORTH	Feet from the 2040'	East/West line WEST	County LEA
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**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
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**Additional Well Information**

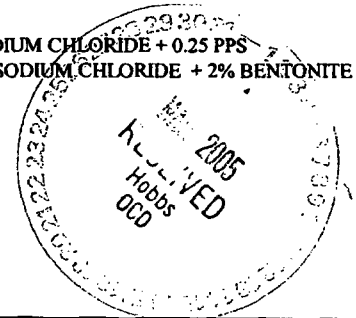
<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3493'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 4350'	<sup>18</sup> Formation GRAYBURG	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 5-10-05
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> SEE C-144 Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air				

**21 Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	24#	400'	250 SX	CIRC
7 7/8"	5 1/2"	15.5#	4350'	1000 SX	CIRC

<sup>22</sup> 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.  
SURFACE CASING: 250 SX CLASS C CMT W/2% CACL + 0.25 PPS CELLOFLAKE J-55, ST&C  
SLURRY PROPERTIES: 14.8 PPG, 1.34 FT3/SK, 6.29 GPS MIX WATER  
PRODUCTION CASING: LEAD IN W/600 SX (35:65) POZ (FLY ASH) CLASS C CMT W/6% BENTONITE + 5% SODIUM CHLORIDE + 0.25 PPS CELLOFLAKE + 0.4% FLUID LOSS ADDITIVE. TAIL IN W/400 SX (50:50) POZ (FLY ASH) CLASS C CMT W/5% SODIUM CHLORIDE + 2% BENTONITE + 0.25 PPS CELLOFLAKE  
SLURRY PROPERTIES: 12.4 PPG, 2.15 FT3/SK, 11.97 GPS MIX WATER &  
14.2 PPG, 1.35 FT3/SK, 6.33 GPS MIX WATER  
BOP PROGRAM: SEE ATTACHED DIAGRAM

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway



<sup>23</sup> 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: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: LEAKEJD@CHEVRONTXACO.COM

Date: 2-28-2005

Phone: 432-687-7375

**OIL CONSERVATION DIVISION**

Approved by:

PETROLEUM ENGINEER

Title:

Approval Date:

Expiration Date:

MAR 02 2005

Conditions of Approval Attached ☐

# State of New Mexico

## DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

## DISTRICT II

1501 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

## 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 <b>30-025-27110</b>	Pool Code <b>50350</b>	Pool Name <b>Penrose Skelly Drayburg</b>
Property Code <b>268330020</b>	Property Name <b>VM HENDERSON</b>	Well Number <b>18</b>
OGRID No. <b>4323</b>	Operator Name <b>CHEVRON U.S.A., INC.</b>	Elevation <b>3493'</b>

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	30	21-S	37-E		2170	NORTH	2040	WEST	LEA

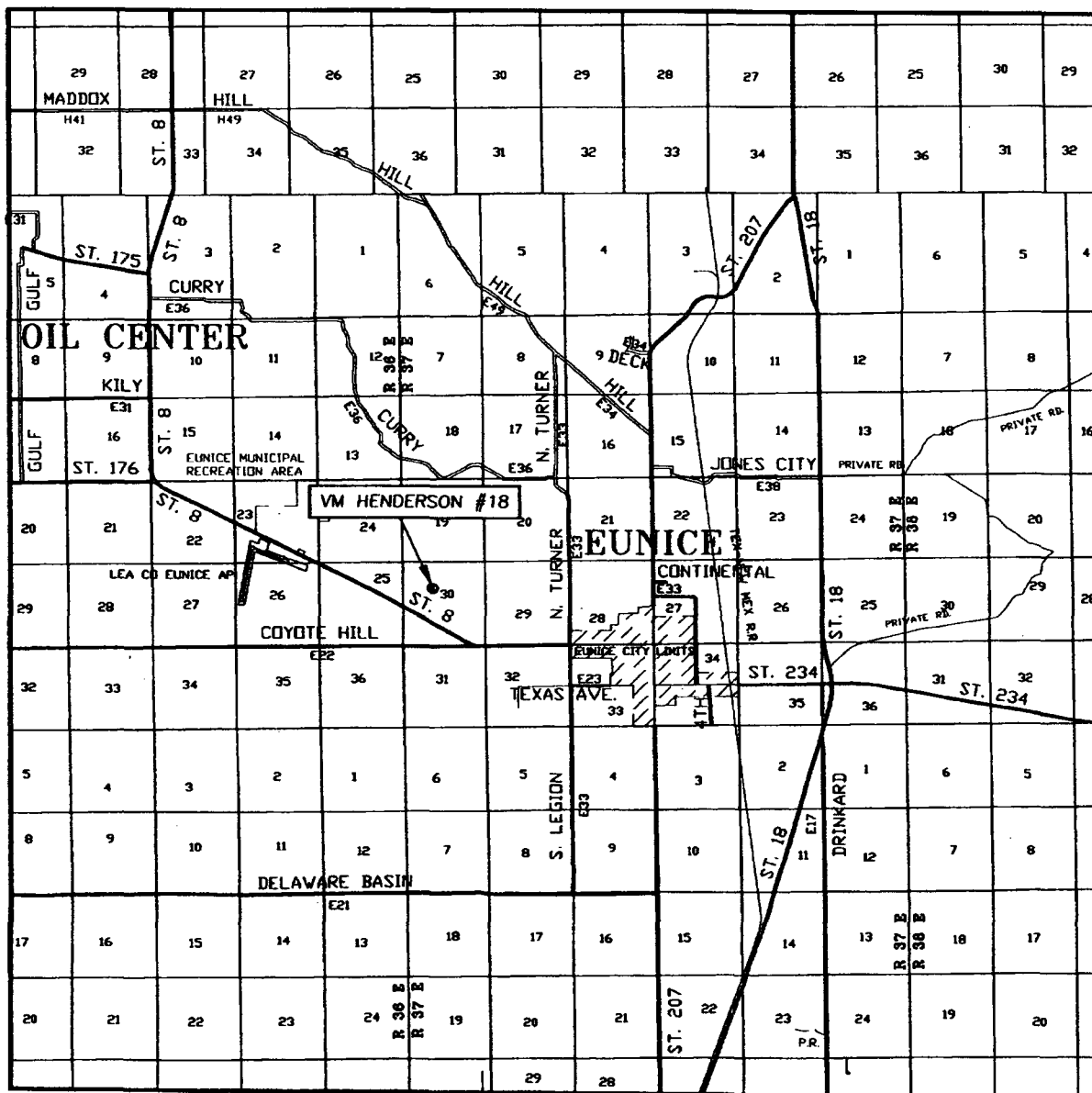
### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	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

<p>LOT 1</p> <p>36.95 AC LOT 2</p> <p>36.97 AC LOT 3</p> <p>36.99 AC LOT 4</p> <p>37.01 AC</p> <p>2170'</p> <p>2040'</p> <p>GEODETIC COORDINATES NAD 27 NME Y=529662.5 N X=848561.9 E LAT.=32°27'03.90" N LONG.=103°12'12.19" W</p>	<h3>OPERATOR CERTIFICATION</h3> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Denise Pinkerton</i> Signature <b>Denise Pinkerton</b> Printed Name <b>Regulatory Specialist</b> Title <b>2-28-05</b> Date</p> <h3>SURVEYOR CERTIFICATION</h3> <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>JANUARY 11, 2005</p> <p>Date Surveyed Signature &amp; Seal of Professional Surveyor <b>GARY G. EIDSON</b> 12641 Certificate No. GARY EIDSON 12641</p>
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# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 30 TWP. 21-S RGE. 37-E

SURVEY N.M.P.M.

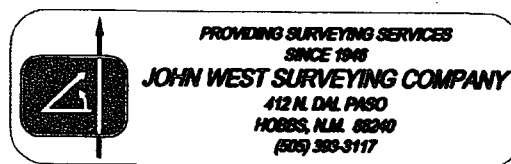
COUNTY LEA

DESCRIPTION 2170' FNL & 2040' FWL

ELEVATION 3493'

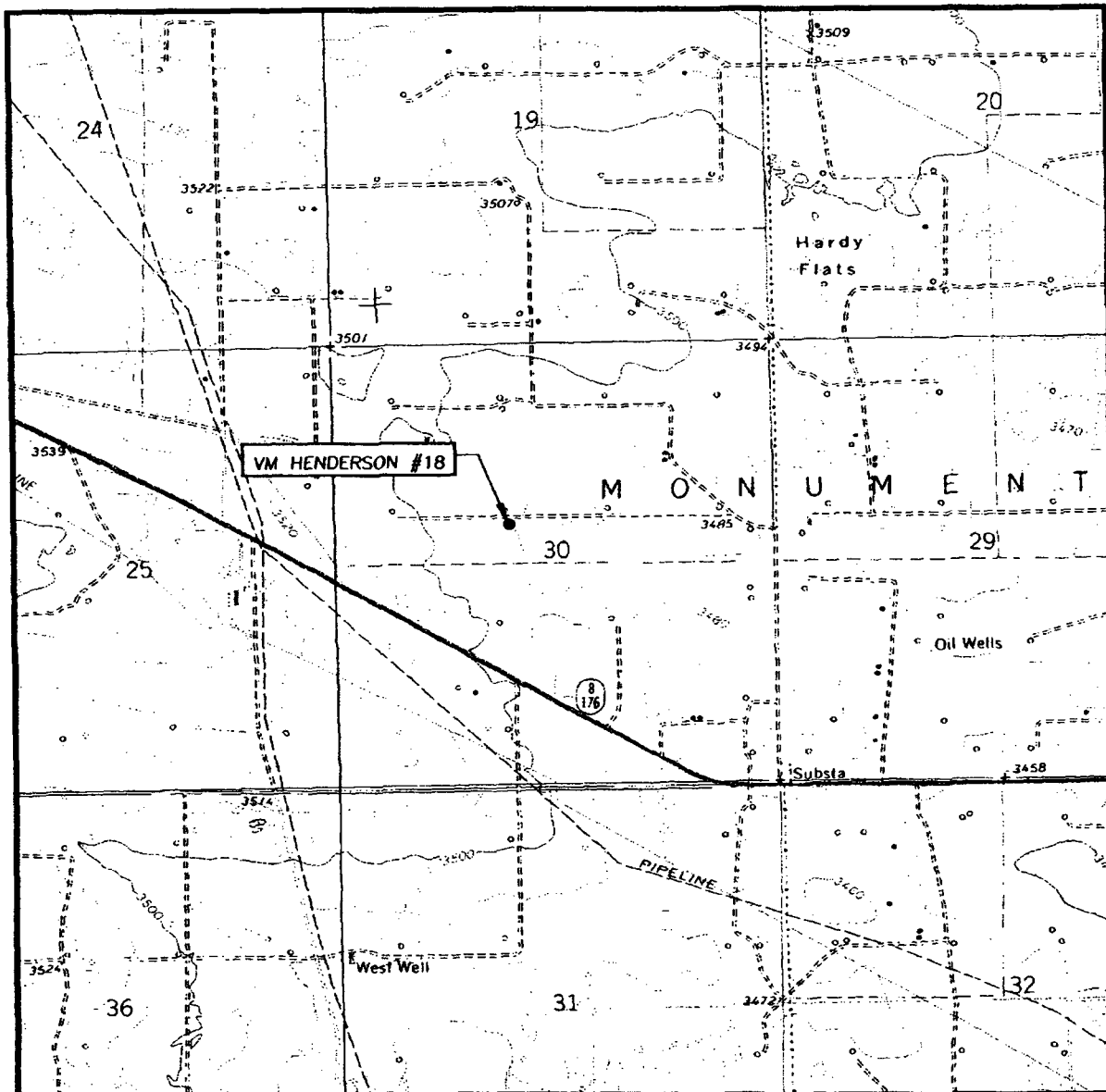
OPERATOR CHEVRON U.S.A., INC.

LEASE VM HENDERSON





# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
EUNICE, N.M. - 10'

SEC. 30 TWP. 21-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

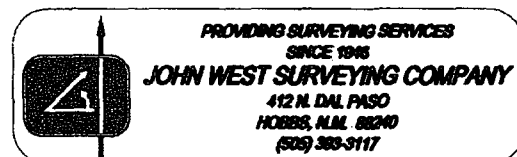
DESCRIPTION 2170' FNL & 2040' FWL

ELEVATION 3493'

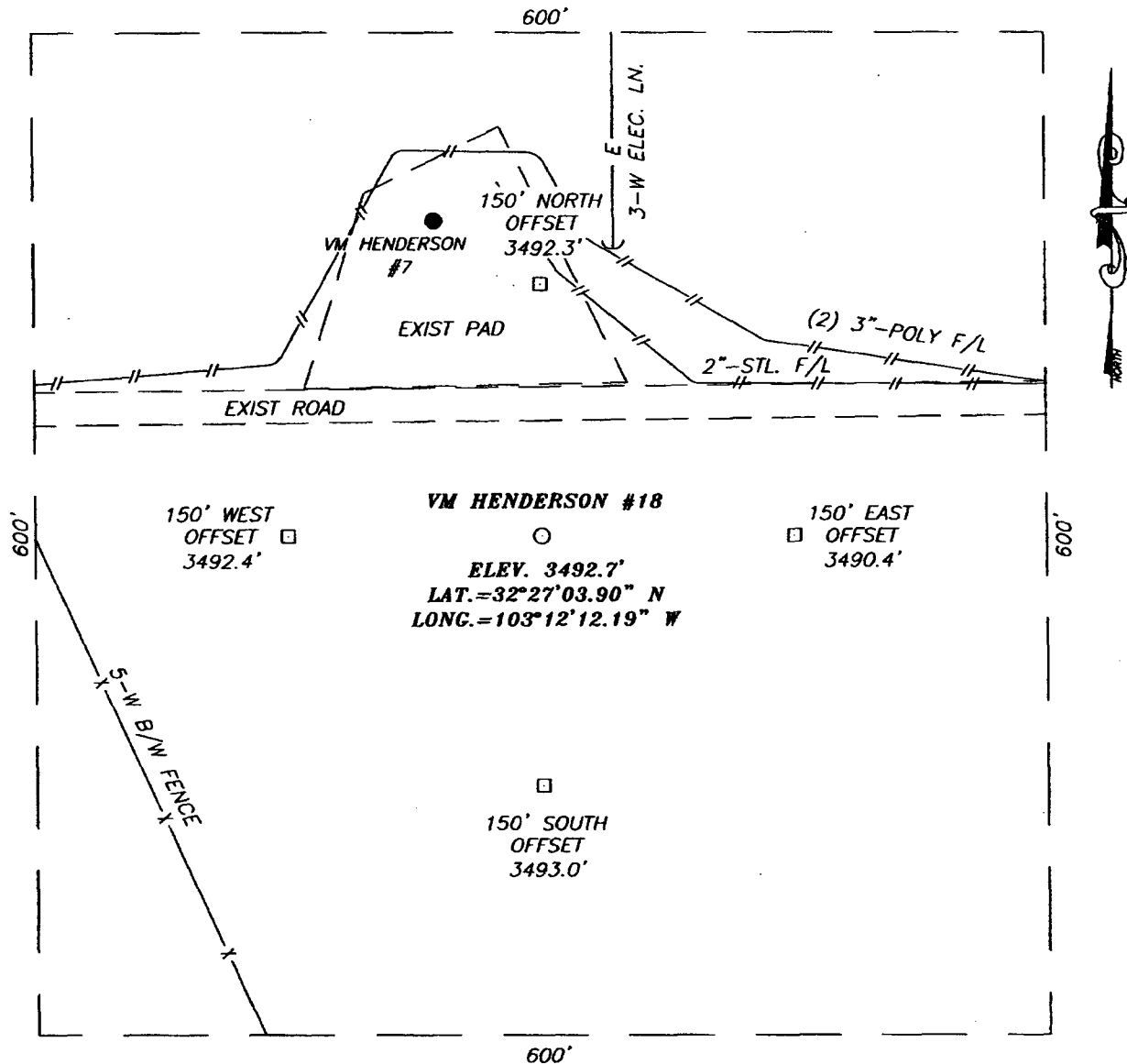
OPERATOR CHEVRON U.S.A., INC.

LEASE VM HENDERSON

U.S.G.S. TOPOGRAPHIC MAP  
EUNICE, N.M.

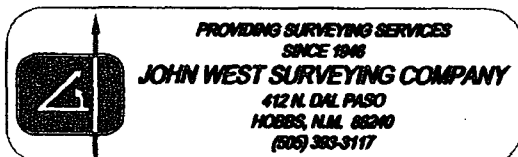
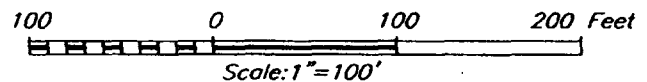


**SECTION 30, TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.P.M.,**  
 LEA COUNTY, NEW MEXICO



**DIRECTIONS TO LOCATION**

TURN RIGHT (NORTH) AT MILEPOST #2 ON ST. HWY. #8 AND GO APPROX. 0.6 MILES. TURN LEFT (NW) AND GO APPROX. 0.1 MILES. TURN LEFT (WEST) AND GO APPROX. 0.5 MILES. PROPOSED LOCATION IS APPROX. 100' SOUTH.



**CHEVRON U.S.A., INC.**

VM HEDERSON #18 WELL  
 LOCATED 2170 FEET FROM THE NORTH LINE  
 AND 2040 FEET FROM THE WEST LINE OF SECTION 30,  
 TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.P.M.,  
 LEA COUNTY, NEW MEXICO.

Survey Date: 1/11/05	Sheet 1 of 1 Sheets
W.O. Number: 04.11.1715	Dr By: J.R.
Date: 1/13/05	Disk: CD#5
04111715	Scale: 1"=100'