

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

SEP 18 2007

OCD-ARTESIA

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

<sup>1</sup> Operator Name and Address Devon Energy Production Company L.P. 20 North Broadway OKC, OK 73102-8260		<sup>2</sup> OGRID Number 6137
<sup>3</sup> Property Code		<sup>3</sup> API Number 30-015-34782
<sup>3</sup> Property Name Hackberry 31 State		<sup>6</sup> Well No. 2
<sup>9</sup> Proposed Pool 1 Sheep Draw, Morrow (Gas)		<sup>10</sup> Proposed Pool 2

<sup>7</sup> 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	31	22S	26E		920	South	1310	East	Eddy

<sup>8</sup> 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
P	31	22S	26E		920	South	1310	East	Eddy

Additional Well Information

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3381'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 11,800'	<sup>18</sup> Formation Sheep Draw, Morrow (Gas)	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 10/01/07
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 checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> 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#	450'	427 sx CLC	Surface
12 1/2"	9 5/8"	36#	1600'	754 sx CLC	Surface
8 3/4"	5 1/2"	17#	11675'	1375 sx CLC	4500'

<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.

Devon respectfully requests permission to change from a directional to a vertical well

Will drill to a total depth of 11,800' and complete as a Morrow gas development well. If it is deemed non-commercial then it will be plugged and abandoned in accordance with the rules and regulations established by the New Mexico OCD or converted to salt water disposal after installing production casing and obtaining the necessary disposal permits

No H2S is expected to be encountered; H2S plan provided. 5000 psi Double and Hydril with drilling spool & rotating head to be used

City of Carlsbad Sheep Draw Wellfield Protection Area Permit filed with Dave Hennard (RESPEC) & Richard Aguilar (City of Carlsbad) Copy of OCD form C-101 provided to both agencies. Approved 7/13/06. OCD permit reflects 9 5/8" casing set @ 1600' per variance exception granted by City of Carlsbad

<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 NMOC guidelines ☐ or a general permit ☒, or an (attached) alternative OCD-approved plan ☐

Printed name: Stephanie A. Ysasaga

Title: Sr Staff Engineering Technician

E-mail Address: Stephanie.Ysasaga@dmn.com

Date: 09/17/07

Phone: (405)-552-7802

OIL CONSERVATION DIVISION

Approved by.

BRYAN G. ARRANT

DISTRICT II GEOLOGIST

Title:

Approval Date: SEP 18 2007

Expiration Date: SEP 18 2008

Conditions of Approval Attached ☐

DISTRICT I  
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II  
811 South First, Artesia, NM 88210

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

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised March 17, 1999

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-34782</b>	Pool Code <b>85160</b>	Pool Name Sheep Draw; Morrow (Gas)
Property Code	Property Name <b>HACKBERRY "31" STATE</b>	Well Number <b>2</b>
OGRID No. 6137	Operator Name <b>DEVON ENERGY PRODUCTION CO., L.P.</b>	Elevation <b>3381'</b>

Surface Location

UL or lot No. <b>P</b>	Section <b>31</b>	Township <b>22 S</b>	Range <b>26 E</b>	Lot Idn	Feet from the <b>920</b>	North/South line <b>SOUTH</b>	Feet from the <b>1310</b>	East/West line <b>EAST</b>	County <b>EDDY</b>
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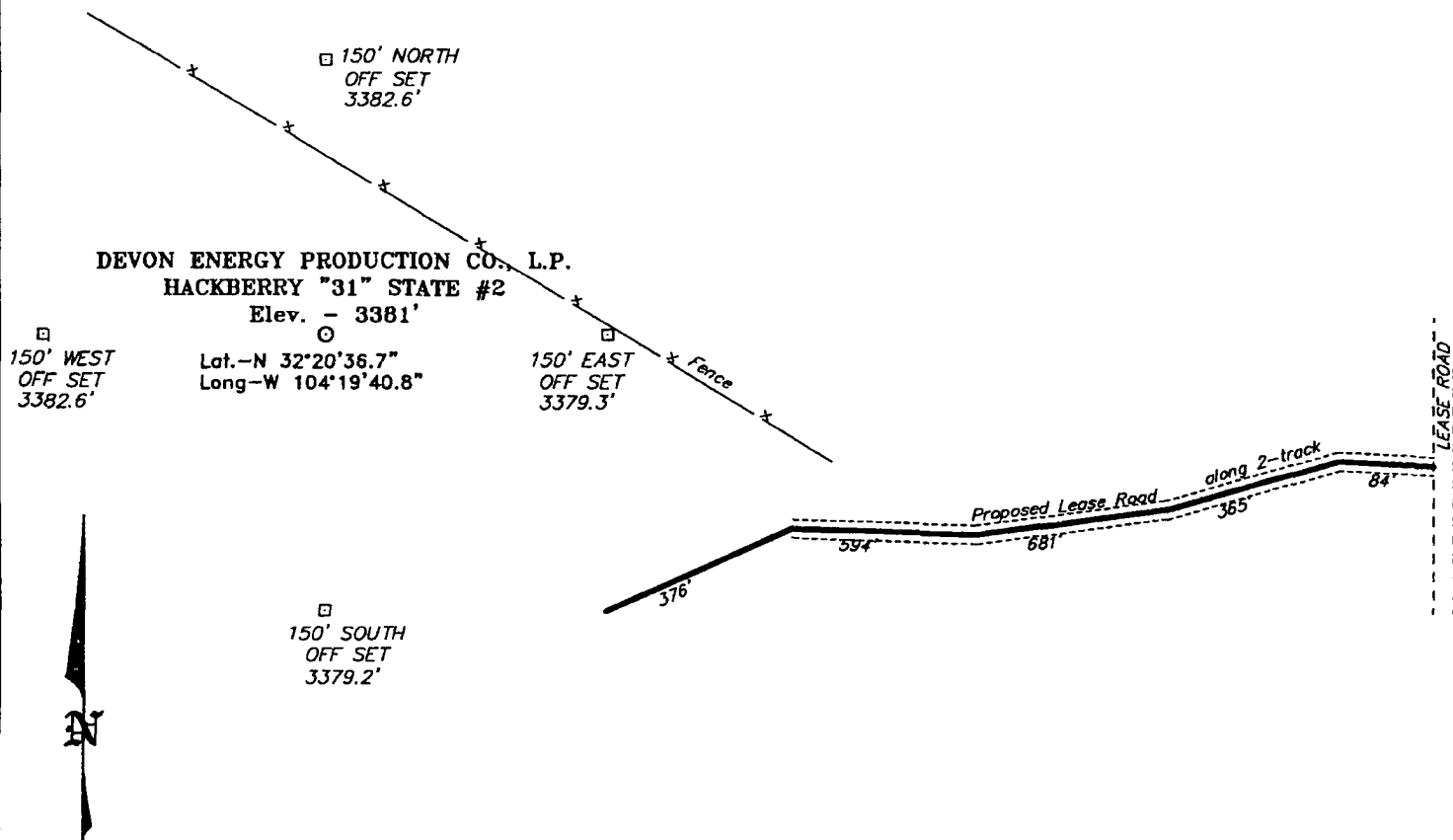
Bottom Hole Location If Different From Surface

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>320</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

						<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.   Signature Stephanie A. Ysasaga  Printed Name Sr. Staff Engineering Tech  Title  Date 04/10/06
						<b>SURVEYOR CERTIFICATION</b>  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.  MARCH 17, 2006 Date Surveyed Signature & Seal of Professional Surveyor  W.O. No. 8259 Certificate No. Gary L. Jones 7977  BASIN SURVEYS

SECTION 31, TOWNSHIP 22 SOUTH, RANGE 26 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF US HWY 62/180 AND CO.  
RD. 672, GO EAST ON 672 FOR 5.5 MILES TO  
LEASE ROAD; THENCE NORTH ON LEASE ROAD FOR  
APPROX. 0.5 MILE TO PROPOSED LEASE ROAD  
ALONG 2-TRACK ROAD.

100 0 100 200 FEET  
SCALE: 1" = 100'

**DEVON ENERGY PROD. CO., L.P.**

REF: HACKBERRY "31" STATE No. 2 / Well Pad Topo

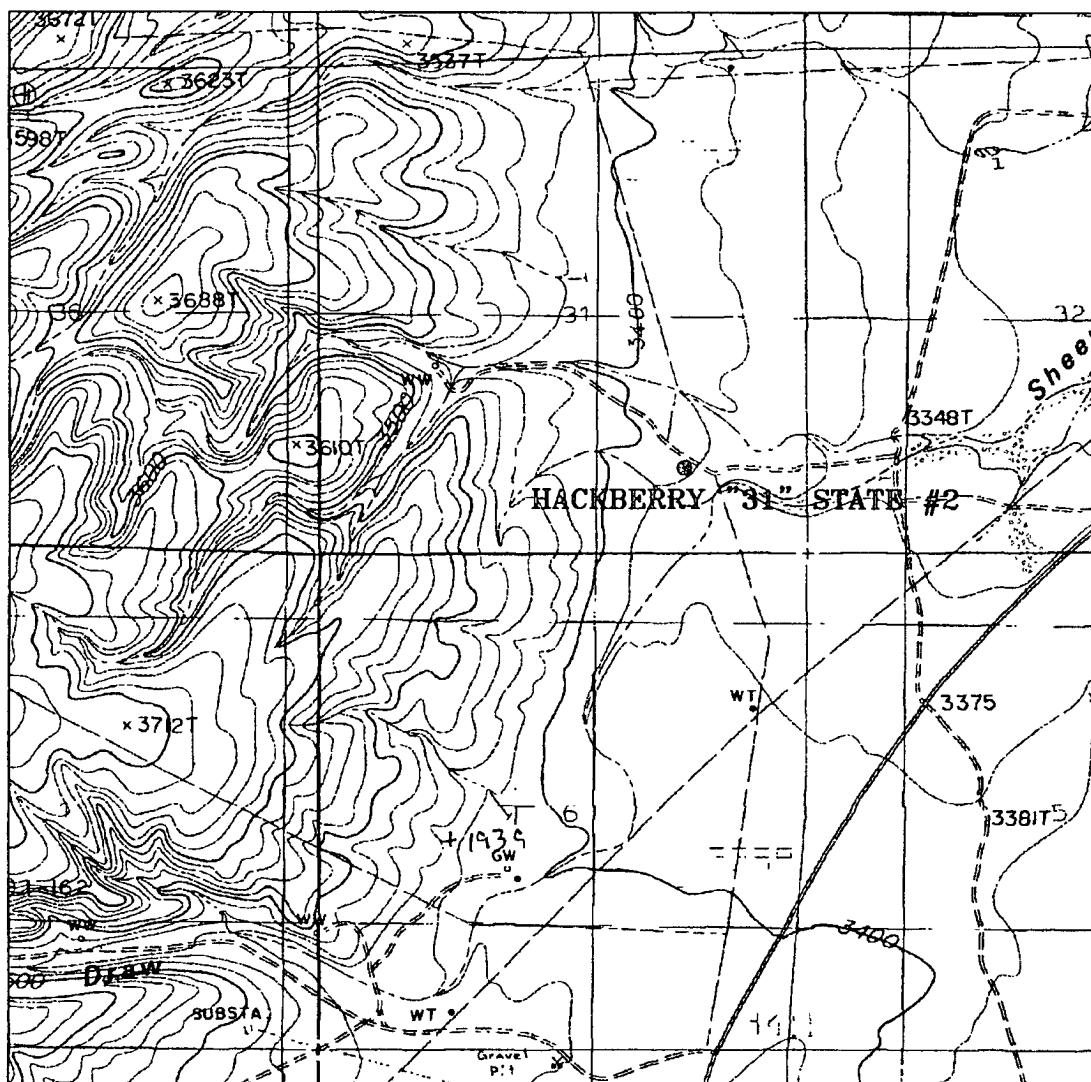
THE HACKBERRY "31" STATE No. 2 LOCATED 920' FROM  
THE SOUTH LINE AND 1310' FROM THE EAST LINE OF  
SECTION 31, TOWNSHIP 22 SOUTH, RANGE 26 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 6359 Drawn By: K. GOAD

Date: 03-20-2006 Disk: KJG CD#4 - 6359A.DWG

Survey Date: 03-17-2006 Sheet 1 of 1 Sheets



## HACKBERRY "31" STATE #2

Located at 920' FSL AND 1310' FEL  
Section 31, Township 22 South, Range 26 East,  
N.M.P.M., Eddy County, New Mexico.

**basin**  
**surveys**

focused on excellence  
in the oilfield

P.O. Box 1786  
1120 N. West County Rd.  
Hobbs, New Mexico 88241  
(505) 393-7316 - Office  
(505) 392-3074 - Fax  
basinsurveys.com

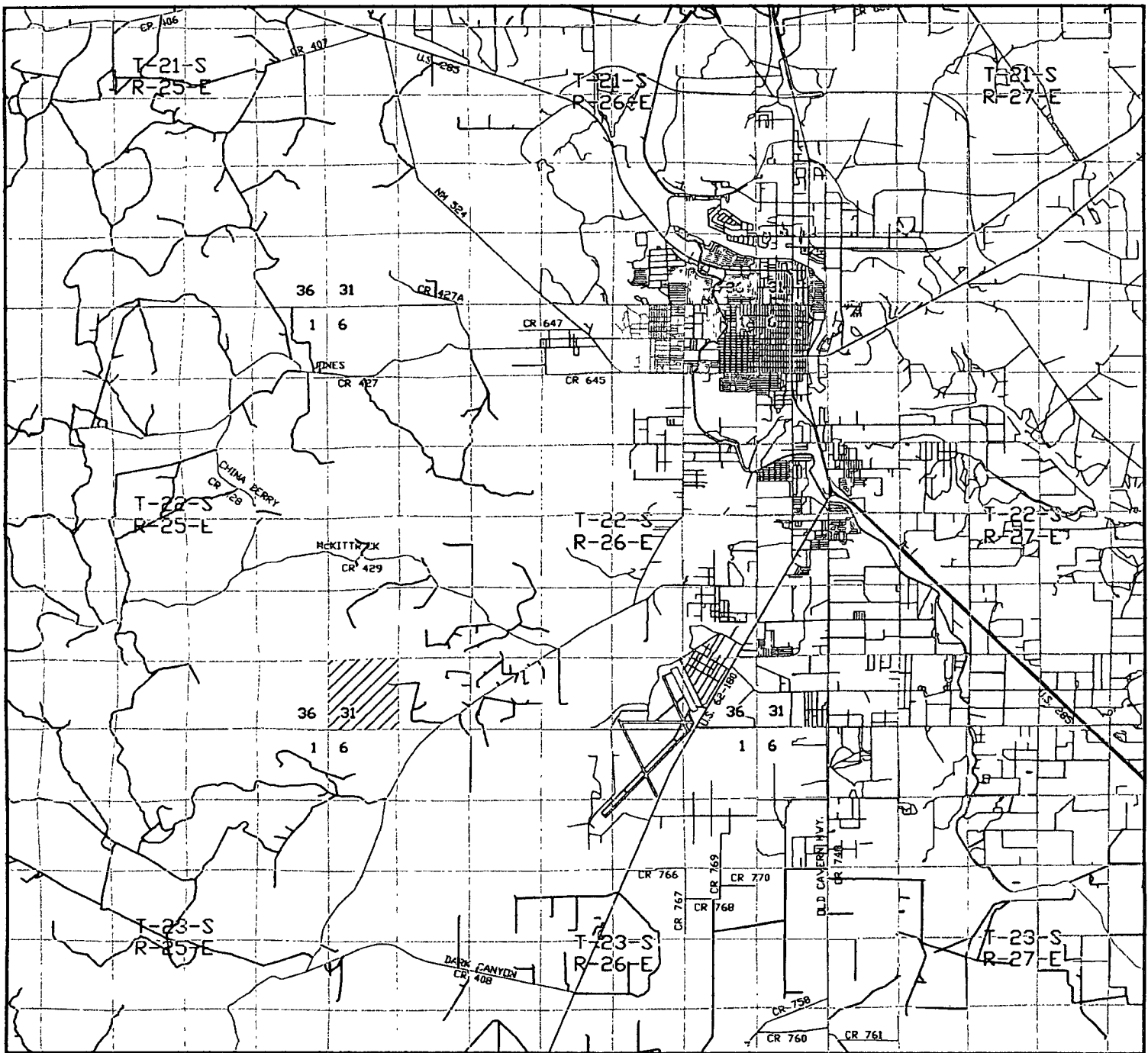
W.O. Number: 6359AA - KJG CD#4

Survey Date: 03-17-2006

Scale: 1" = 2000'

Date: 03-20-2006

**DEVON ENERGY**  
**PROD. CO., L.P.**



**HACKBERRY "31" STATE #2**  
 Located at 920' FSL AND 1310' FEL  
 Section 31, Township 22 South, Range 26 East,  
 N.M.P.M., Eddy County, New Mexico.

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W.O. Number: 6359AA - KJG CD#4

Survey Date: 03-17-2006

Scale: 1" = 2 MILES

Date: 03-20-2006

**DEVON ENERGY**  
**PROD. CO., L.P.**