

## 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

Operator Name and Address <b>Thompson Engineering and Production Corp. 7415 E. Main St., Farmington, NM 87402</b>		OGRID Number <b>37581</b>
Property Code <b>300388</b>	Property Name <b>Leora Wallace</b>	API Number <b>30 - 045 - 33055</b>
Proposed Pool 1 <b>Basin Dakota 71599</b>		Proposed Pool 2

## 7 Surface Location

UL or lot no. D	Section 14	Township 30N	Range 12W	Lot Idn	Feet from the 695'	North/South line North	Feet from the 1180'	East/West line West	County San Juan
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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

Work Type Code <b>N</b>	Well Type Code <b>G</b>	Cable/Rotary <b>R</b>	Lease Type Code <b>P</b>	Ground Level Elevation <b>5796'</b>
Multiple <b>N</b>	Proposed Depth <b>6775' +/-</b>	Formation <b>Dakota</b>	Contractor <b>D&amp;J Drilling</b>	Spud Date <b>4/1/06</b>
Depth to Groundwater >50'		Distance from nearest fresh water well : >1000'		Distance from nearest surface water; >1000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 6500 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

## 21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4	8-5/8"	24.0#	320'	225 sx (266 cu.ft.)	Surface
7-7/8"	4-1/2"	10.5#	6775'	1185sx (2560 cu.ft.)	
				& 100sx (147 cu.ft.)	Surface

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.

Thompson Engineering and Production Corp. proposes to drill a vertical well at the above listed location and test the Dakota formation. A 12-1/4" surface hole will be drilled to approx. 320' with spud mud. 8-5/8", 24# casing will be set and cemented to surface with 225 sx (266 cu.ft.) of CI "B" with 3% CaCl<sub>2</sub> and 1/4#/sk CF. A double ram, 2000 psi rated BOP will be installed and pressure tested to 1500 psi. A 7-7/8" hole will be drilled using a fresh water - polymer mud system to approx. 6775'. 4-1/2", 10.5# casing will be set and cemented to surface in one stage using a nitrogen foamed cement. The lead cement will be 1185 sx (2560 cu.ft.) of CI "B" 50/50 poz with 3% gel, 0.1% dicell, and 2% verset with nitrogen foam stabilizers and 100sx (146 cu.ft.) CI "B" 50/50 poz with 3% gel, 1.4% Halad-9, 0.1% CFR-3, 5#/sk gilsonite, and 1/4#/sk CF. Cement volumes will be adjusted to be 10% greater than the open hole log volume. Open hole DIL and FDC/CNL/GR/SP logs will be run. Surveys will be run every 500'. The W/2 of Section 14 (320 acres) is dedicated to this well.. Formation tops: Ojo Alamo - 565, FT - 2060', PC - 2100', CH - 3660', Men - 3830', PL - 4455', Gal - 5705', DK - 6575'.

23 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: Paul C. Thompson, P.E.

Title: President

E-mail Address: paul@walsheng.net

Date: 3/20/06

Phone: (505) 327-4892

## OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: MAR 20 2006

Expiration Date: MAR 20 2007

Conditions of Approval Attached ☐

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

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

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-33655	*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 300388	*Property Name LEORA WALLACE	*Well Number 1E
*GRID No. 37581	*Operator Name THOMPSON ENGINEERING & PRODUCTION CORPORATION	*Elevation 5796'

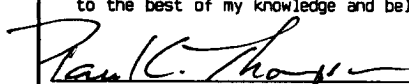
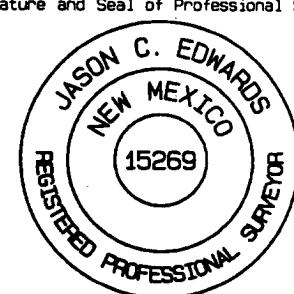
<sup>10</sup> Surface Location

UL or lot no. D	Section 14	Township 30N	Range 12W	Lot Idn	Feet from the 695	North/South line NORTH	Feet from the 1180	East/West line WEST	County SAN JUAN
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<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 320.0 Acres - W/2					<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> 2630.76' 645' 1180' 2619.54' 2615.58' 5274.32' 14 2599.08' 5311.62'	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature PAUL C. THOMPSON Printed Name PRESIDENT Title 3/20/06 Date	<sup>18</sup> 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 Date of Survey: MARCH 10, 2006 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269
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**THOMPSON ENGINEERING & PRODUCTION LEORA WALLACE #1E**  
**695' FNL & 1180' FWL, SECTION 14, T30N, R12W, NMPM**  
**SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5796'**

