

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

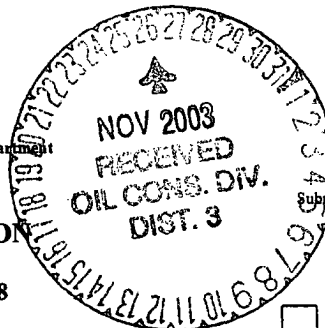
DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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 and Natural Resources Department

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



Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

Operator Name and Address Thompson Engineering and Production Corp. c/o Walsh Engineering, 7415 E. Main St., Farmington, NM 87402 (505) 327-4892		OGRID Number 037581
Property Code 20579	Property Name Thomas	API Number 30-0 45-32022
		Well No. 1E

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	29N	11W		2615	North	1770	West	San Juan

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
Proposed Pool 1 Basin Dakota					Proposed Pool 2				

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 5385'
Multiple N	Proposed Depth 6200'	Formation Mancos	Contractor Aztec WS	Spud Date December 15, 2003

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/feet	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	350'	245	Surface
7-7/8"	4-1/2"	11.6#	6200'	615/100, 630	Surface

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. 350' with spud mud. 8-5/8", 24# casing will be set and cemented to surface with 245 sx (289 cu.ft.) of CI "B" with 3% CaCl₂ 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. 6200'. 4-1/2", 11.6# casing will be set and cemented to surface in two stages with the DV tool at 2950'. The 1st stage will be 615 sx (1082 cu.ft.) of CI "B" 65/35 poz with 6% gel, 1% CaCl₂, and 1/4#/sk CF and 4% phenoseal and 100sx (146 cu.ft.) CI "B" 50/50 poz with 0.15% dispersant, 1% CaCl₂, and 1/4#/sk CF. The 2nd stage will be 630 sx (1109 cu.ft.) of CI "B" 65/35 poz with 6% gel, 1% CaCl₂, 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 30 (315.2 acres) is dedicated to this well. Formation Tops: OA - 1250', K - 1300', PC - 1435', CH - 2970', PL - 3820', DK - 5925'.

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

Signature: *Paul C. Thompson*

Printed name: Paul C. Thompson, P.E.

Title: President

Date: 11/24/03

Phone: (505) 327-4892

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title: DEPUTY OIL & GAS INSPECTOR DIST. 31

Approval Date: NOV 26 2003

Expiration Date: NOV 26 2004

Conditions of Approval
Attached ☐

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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-32022		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 20579	*Property Name THOMAS		*Well Number 1E
*GRID No. 37581	*Operator Name THOMPSON ENGINEERING & PRODUCTION CORPORATION		*Elevation 5385

¹⁰ 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	29N	11W		2615	NORTH	1770	WEST	SAN JUAN

¹¹ 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

¹² Dedicated Acres 315.20 Acres - W/2	¹³ Joint or Infill Y	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<div><p>¹⁶</p><p>LAT: 36°41.8222' N LONG: 108°02.1020' W DATUM: NAD27</p></div>	<div><p>¹⁷ OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p><p><i>Paul C. Thompson</i> Signature Paul C. Thompson Printed Name President Title 11/24/03 Date</p></div>
	<div><p>¹⁸ SURVEYOR CERTIFICATION</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>Survey Date: NOVEMBER 17, 2003</p><p>Signature and Seal of Professional Surveyor</p><p><i>JASON C. EDWARDS</i> Certificate Number 15269</p></div>