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

PO Drawer DD, Artesia, NM \$8211-0719 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 Revised February 10, 1994

MENDED REPORT

Instructions on back

OIL CONSERVATION DIVISION CONSERVATION CONSERVATION DIVISION CONSERVATION CO PO Box 2088

Santa Fe, NM 87504-2088

DIST. 3

State Lease - 6 Copies Fee Lease - 5 Copies

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ADDITION LID PERMIT	111111111111111111111111111111111111111		,			_

Thompson Engine	1 OGRID Number 037581	
7415 E. Main Farmington, New	¹ API Number 30 - 045 - 2928/	
1 Property Code	⁵ Property Nasse	' Well No.
EK017560	Blancett	2R

					7 Surface				
UL or lot me.	Section 13	Township 30	Range 1.2	Lot Ida	Feet from the 790	North/South line Soutth	Feet from the 830	East/West Las East	County San Juan

8 Proposed Bottom Hole Location If Different From Surface

			<u> </u>	1	Feet from the	North/South line	Feet from the	East/West Ese	County
UL or lot zo.	Section	Township	Range	Lot Idm	LOST ILOSE CRE				
	// 4	¹ Propos	ed Pool 1			1	¹⁴ Propo	sed Pool 2	
Aztec	/(p0 Pictu	ired Cli		712.	80			<u>,, , , , , , , , , , , , , , , , , , ,</u>	

11 Work Type Code	12 Well Type Code	13 Cable/Rotary	14 Lease Type Code	15 Ground Level Elevation
N	Ğ	Rotary	Fee	5531
" Multiple	" Proposed Depth 1950	"Formation Pictured Cliffs	" Contractor NA	* Sped Date 10/15/95

²¹ Proposed Casing and Cement Program

Casing Size	Casing weight/foot	Setting Depth	Sacks of Coment	Estimated TOC
7	20# K55	120	50	Surface
4 1/2	10,5# K55	1950	115 & 100	Surface
	7	7 20# K55	7 20# K55 120	7 20# K55 120 50

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 mae. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Thompson Engneering & Production proposes to drill a vertical well and attempt a completion in the Aztec Pictured Cliffs Pool according to the attached drilling plan.

This will be a replacement well for the Blancett #2 which will be plugged and abandoned.

²⁵ I berel	by certify that the information given nowledge and belief.	above is true and complete to the best	OIL CONSERVATION DIVISION
Signatu		pr	Approved by: Such 9.18-45
Printed		*	Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3
Title:	President		Approval DesEP 1 8 1995 Expiration SEP 1 8 1996
Date:	9/1/95	Phone: (505) 327-4892	2 Conditions of Approval : Attached

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District 1 PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM #8211-0719 District III 1000 Rio Bruzos Rd., Aztec, NM 87410 District IV

PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico 111 Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994

Instructions on back OIL CONSERVATION DIVISOR CONSERVATION DIVISOR OF CONSE

State Lease - 4 Copies

AMENDED REPORT

Fee Lease - 3 Copies

PO Box 2088 DIST. 3 Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	¹ Pool Code	Aztec Pictured Cliffs	
30-045-29281	71280	Aztec lictured Cillis	
Property Code		Property Name ancett	* Well Number 2R
7'OGRID No. 037581		Operator Name n Engineering Corp.	Elevation 5531

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Р	13	30 N	12 W		790	South	830	East	SJ

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 Acre 160	s ¹³ Joint N	or Iaiii 14	Consolidatio	n Code 15 C	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

16	5190.24'		17 OPERATOR CERTIFICATION
	1		I hereby certify that the information contained herein is
			true and complete to the best of my knowledge and belief
			, , , , , , , , , , , , , , , , , , , ,
			7
			Paul C. Thompson Signature
			Paul C. Thompson, President
	·		Printed Name
			President
	 		Title
:			9/1/95
526845	13/1/1/1	8	Date
8	K		ISCURVEYOR CERTIFICATION
2	'Y	123	18SURVEYOR CERTIFICATION
,	3		I hereby certify that the well location shown on this plat
		N	was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and
		S	correct to the best of my belief.
	l N	3	8-29-95
	3		Date of Survey C. ED by Signature and Sea of Professional Surveyer:
	———		Signature and Sal of Profession Surveyor:
	N	3	Signature and that or froggasting any ever:
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	5243.86'	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Certificate Numb
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BLANCETT #2R 790' FSL, 83' FEL Section 13 T30N, R12W, SAN JUAN COUNTY, NEW MEXICO ELEVATIONS: 5531' GL

GEOLOGY:

FORMATION TOPS:

Formation	Depth
Ojo Alamo	455 ′
Kirtland	515 ′
Fruitland	1615′
Pictured Cliffs	1315′
Total Depth	1950′

Note: The total Depth of the well will be about 150 feet below the bottom of the deepest coal but not less than 1950' unless approved by the company man on-site.

ELECTRICAL LOGGING PROGRAM:

Interval

FDC-GR-Caliper TD to minimum logging depth above TD.

Induction Resistivity TD to base of surface csg

DRILLING:

MUD PROGRAM: Drilling mud and water will be furnished by the contractor from surface to total depth. Mud system will primarily be produced water with polymer sweeps.

WELLHEAD:

Component Description	Size	Pressure		
Well, Inc W-92 casing head Well, Inc Slip & seal assembly Well, Inc WMR tubing head w/ Mandrel suspension. (or comparable equipment)	7" x 4-1/2" 7" x 4-1/2" 4-1/2" x 2-3/8"	2000 psi 2000 psi 2000 psi		

BLOWOUT PREVENTION EQUIPMENT REQUIREMENTS:

Description Rating

Annular Type Preventer 2000 psi

While drill pipe is in use the BOP will be tested not less than once each day. All tests will be recorded in the daily tour reports as to date and time.

CASING PROGRAM:

Interval	Hole Size	Casing Size	Depth	
 Surface	8-3/4"	7" 20# K-55	120′	
Production	6-1/4"	4-1/2" 10.5# K-55	1950′	

FLOAT EQUIPMENT:

Surface: None.

Production: 4-1/2" standard guide shoe and 4-1/2" self fill insert float collar on top of bottom joint. Eight centralizers, placed on every other collar starting at the bottom.

CEMENTING:

Surface casing: 7" - Use 50 sx (59 cu.ft.) of Cl "B" with 2% CaCl₂ and 1/4# flocele/sk. (yield = 1.18 cu.ft./sk.) WOC six hours or until samples are hard before nippling up BOPs. Test surface casing and BOPs to 600# before drilling out.

Production casing: 4-1/2" - Use 115 sx (237 cu.ft.) of Cl"B" with 2% sodium metasilicate and 1/4# flocele/sk (yield= 2.06 cu.ft./sk). Tail in with 100 sx (118 cu.ft.) of Cl"B" with 2% CaCl₂ and 1/4# flocele/sk (yield= 1.18 cu.ft./sk.) Volume calculated to circulate cement to surface with 75% excess.

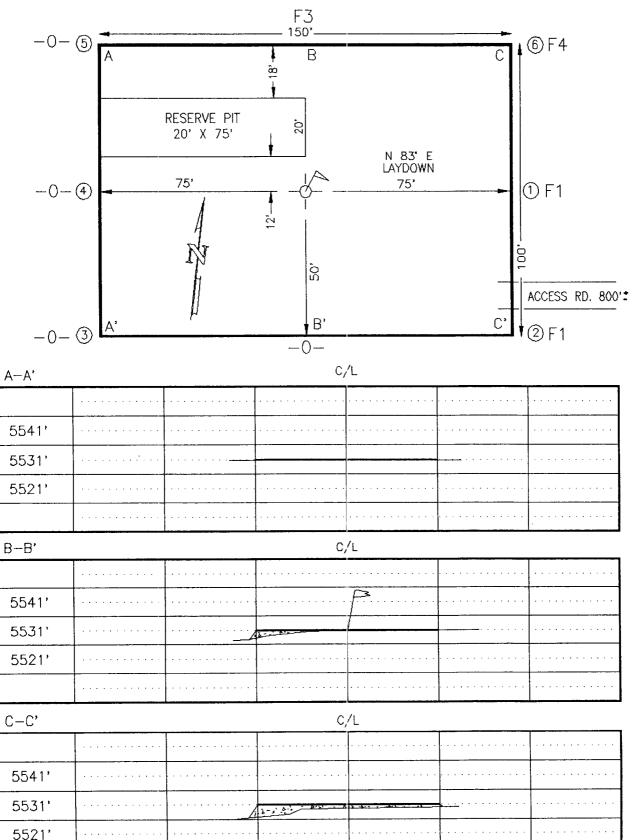
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N C FARMINGTON, NEW MEXICO 87402 (505) 325-2654

SURVEYS, INC.

NAME: THOMPSON ENGINEERING CORP. BLANCETT 2R
FOOTAGE: 790' FSL 830' FEL
SECTION: 13 T 30 N, R 12 W, NMPM
COUNTY: SAN JUAN STATE: NEW MEXICO

[[VATION: 5531' DATE: 8/29/95]



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