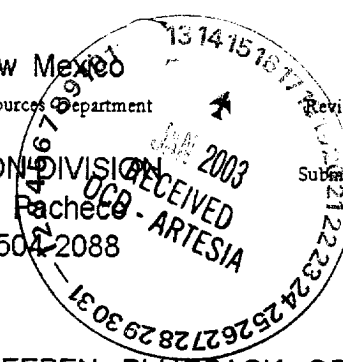


District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505-2088



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

1 Operator Name and Address ELK OIL COMPANY P.O. BOX 310 ROSWELL, NEW MEXICO 88202-0310		2 OGRID Number 7147
4 Property Code 31062		3 API Number 30-005-63538
5 Property Name MILLER STATE		6 Well No. 1

7 Surface Location									
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
N	2	8S	27E		1200	SOUTH	1980	WEST	CHAVES

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
9 Proposed Pool 1 Undesignated					10 Proposed Pool 2				

11 Work Type Code N	12 Well Type Code G	13 Cable/Rotary R	14 Lease Type Code S	15 Ground Level Elevation 3929' GR
16 Multiple NO	17 Proposed Depth 7000'	18 Formation PRE-PERMIAN	19 Contractor PATTERSON	20 Spud Date 1/17/03

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#	1000'	600 SXS	CIRCULATE
7 7/8"	5 1/2"	15.5# & 17#	7000'	600 SXS	4600'
500-600					

Water Protection String to be set 500-600 per Operator's Request, OGD

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.

Propose to drill and test the Pre-Permian and intermediate formations.  
If commercial, production casing will be run and cemented.  
We will perforate and stimulate as needed for production.

BOP Program: See attached. 500-600'  
Mud Program: 0'-1000' Fresh Water / Gel / Paper / LCM; 1000'-7000' Brine / Starch / Salt Gel.  
Cover all oil, gas and water zones.

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature:	ELK OIL COMPANY	Approved By:	Title: District Supervisor
Printed name: JOSEPH J. KELLY		Approval Date: JAN 17 2003	Expiration: JAN 17 2004
Title: PRESIDENT		Conditions of Approval:	
Date: 1/13/03	Phone: 505-623-3190	Attached	

Cement to cover all oil, gas and  
water bearing zones.

# Patterson-UTI Drilling Company

Rig #495

11,500'

## DRAWWORKS

Wilson 75 w/Parkerburg V-80 hydromatic brake

## ENGINES

(2) Caterpillar D-3406-TA 810HP

## DERRICK

Wilson 131', 344,000# hook load w/10 lines

## SUBSTRUCTURE

13' height, 10' vertical clear height, 344,000# capacity

## MUD PUMPS

(2) Gardner-Denver PZ-8 w/Caterpillar D-379-TA, 750HP, Max press 1800 psi w/6" liners @350gpm, 2200 psi w/5 1/2" liners @300 gpm

## DRILL STRING

10,000' 4 1/2", 16.60# Grade E w/XH connections

## BLOWOUT PREVENTERS

Shaffer 11", 3000 psi, Type B w/(2) 3" openings below the rams, Shaffer 11", 3000 psi annular

## MUD SYSTEM

2 steel pits 8' x 7' x 35' with shale shaker, stirrers, and 2 mixing pumps

## MUD HOUSE

## COMMUNICATIONS

24 hour direct cellular telephone

## OTHER EQUIPMENT

**Blocks.** McKissick 536, 250 tons, 5 sheaves, 1 1/8" line

**Hook.** Web Wilson Hydrahook, 250 tons

**Swivel.** Gardner-Denver, SW 200, 200 tons

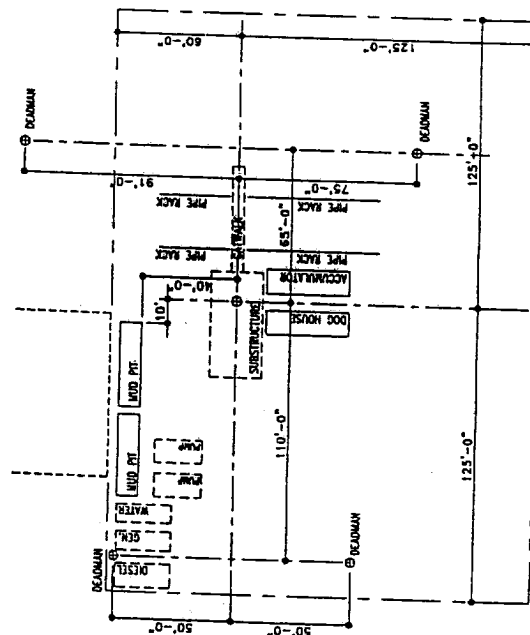
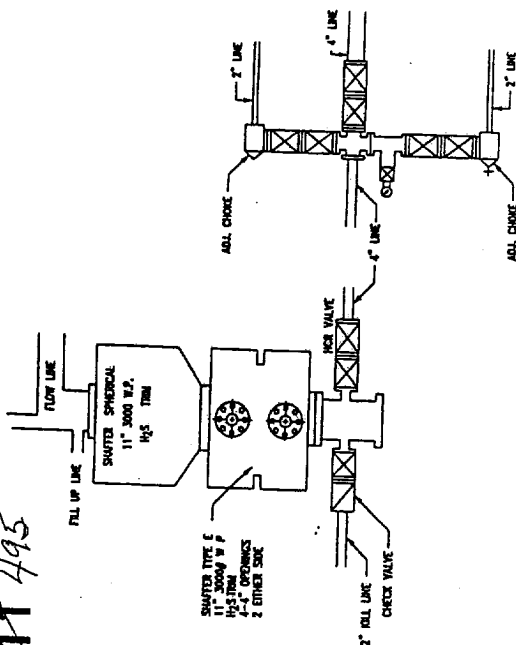
**Rotary Table.**

**Electrical Power.** (2) 3306 DITA w/Cat SR-4165KW

**Fresh Water Storage.** Housing. 500 barrel

"Hole Requirements will dictate actual Reserve Pit size (TOOLPUSHER SHOULD BE CONSULTED)"

RIG 11 495



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State of New Mexico  
Energy, Minerals & Natural ResourcesOIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505Form C-102  
Revised March 17, 1999Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name WILDCAT	
<sup>4</sup> Property Code		<sup>4</sup> Property Name Miller State			<sup>4</sup> Well Number 1
<sup>7</sup> OGRID No. 7147		<sup>8</sup> Operator Name Elk Oil			<sup>9</sup> Elevation 3929

<sup>10</sup> Surface Location

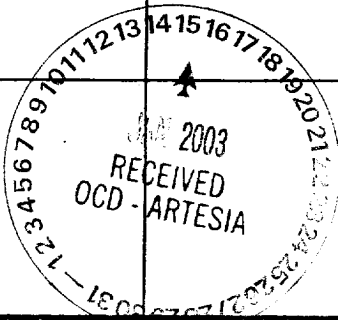
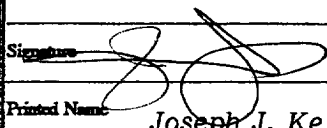
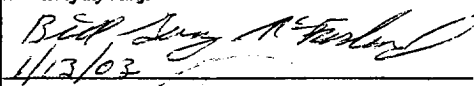
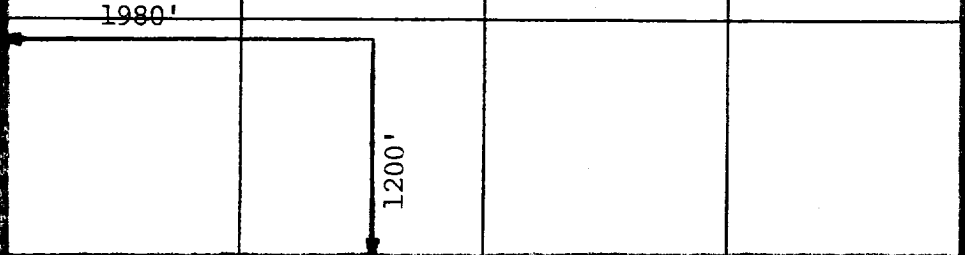
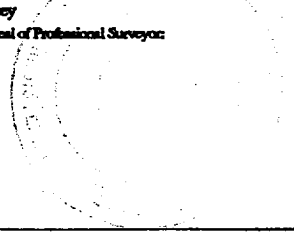
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	8S.	27E.		1200	South	1980	West	Chaves

<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	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

16					<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief ELK OIL COMPANY		
					Signature:  Printed Name: Joseph J. Kelly Title: President Date: 01/13/2003		
STATE OF NEW MEXICO LEASE NO. VA-2101						<b>18 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.  Date of Survey: 1/13/03	
						Signature and Seal of Professional Surveyor:  Certificate Number: 8675	