

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. First Street, 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

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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87504-2088

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
		3 API Number 30-005-63343
4 Property Code 27509	5 Property Name SK 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
C	11	10S	26E		660	FNL	1980	FWL	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 FOOR RANCH PRE-PERMIAN					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 3871'
16 Multiple N	17 Proposed Depth 6800'	18 Formation ORDOVICIAN	19 Contractor PATTERSON	20 Spud Date ASAP

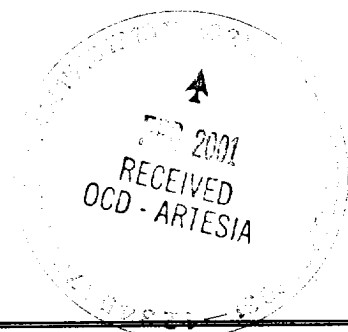
21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	8 5/8	24#	1000'	650 SX	SURFACE
7 7/8	5 1/2	15.5#	6800'	380 SX	4400'

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 Ordovician and intermediate formations.  
If commercial, production casing will be run and cemented,  
will perforate and stimulate as needed for production.

MUD PROGRAM: 0-1000' FW/Gel/Paper/LCM: 1000-4400' Brine: 4400-6800' Starch/Salt Gel.  
BOPE PROGRAM: See Attached



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

Signature:   
Printed name: JOSEPH J. KELLY  
Title: PRESIDENT

Date: 2/19/01  
Phone: 505-623-3190

OIL CONSERVATION DIVISION

ORIGINAL SIGNED BY TIM W. GUN  
DISTRICT II SUPERVISOR

Approved By:

Title:

Approval Date:

Conditions of Approval:

Attached

FEB 26 2001

Expiration Date: FEB 26 2002

# Patterson Drilling Company

Rig #65

8,000'

## DRAWWORKS

Weiss W-45

## ENGINES

Cat 3406 diesel, 375 HP with twin disc torque converters

## DERRICK

Lee C. Moore 100', 280,000# Rated Capacity

## SUBSTRUCTURE

12' high, 17' wide, 40' long, 380,000# Setback Capacity, Rotary Clearance – 9.4', KB – 13'

## MUD PUMPS

Pump #1: Emsco D-550 w/Cat 379  
Pump #2: Tri-service 500 w/Cat 353

## DRILL STRING

8,000' 4-1/2" with X-hole  
20 Drill Collars 6-1/4" with 4-1/4" X-hole  
8 Drill Collars 8" with 6-5/8" reg  
Other sizes of drill pipe and drill collars are available

## BLOWOUT PREVENTERS

One Shaffer LWS 10" x 3000# with closing unit,  
Choke Manifold 3" x 3000#

## MUD SYSTEM

One 350 bbl pit (total) including a 60 bbl slug suction pit section.

## MUD HOUSE

None

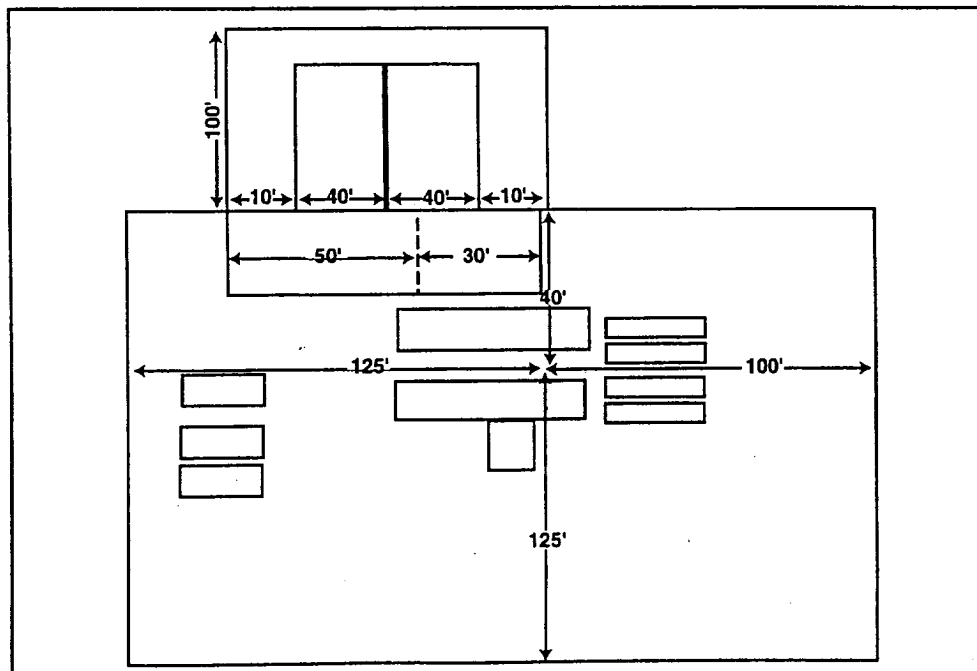
## COMMUNICATIONS

Cellular Phone

## OTHER EQUIPMENT

Blocks. Emsco 150 Ton  
Hook. BJ 460 150 Ton  
Swivel. Oilwell PC 150, 150 Ton  
Rotary Table. BDW 17-1/2" x 44" 150 Ton  
Shale Shaker. Single Screen  
Electrical Power. One Cat 3406 w/234 kW Generator & One Cat 3306 w/100 kW Generator  
Fresh Water Storage. 500 bbl tank  
Housing.

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



Rig 65

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State of New Mexico  
Energy, Minerals & Natural Resources

Form C-102  
Revised March 17, 1999

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2040 South Pacheco  
Santa Fe, NM 87505

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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	
				UNDESIGNATED FOUR RANCH PRE-PERMIAN	
<sup>4</sup> Property Code		<sup>4</sup> Property Name			<sup>5</sup> Well Number
		SK STATE			1
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name			<sup>9</sup> Elevation
007147		ELK OIL			3871

<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
C	11	10S	26E		660	FNL	1980	FWL	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	<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

<p>16</p> <p>1980'</p> <p>660'</p>				<p><sup>17</sup> 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>
	V- 5576			<p>Signature </p> <p>Printed Name Joseph J. Kelly</p> <p>Title President</p> <p>Date 02/19/01</p>
				<p><sup>18</sup> 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>
	VA- 2008			<p>Date of Survey 2-5-01</p> <p>Signature and Seal of Professional Surveyor </p> <p>Certificate Number 8675</p>

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<sup>16</sup>  1980' 660' V-5576 VA-2008	 RECEIVED FEB 2001 OCD - ARTESIA	<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 Joseph J. Kelly Printed Name President Title 02/19/01 Date
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