

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street, Artesia, NM 88210-2834  
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

CISF  
JP

Form C-101  
Revised October 18, 199  
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, PLUG BACK, OR ADD A ZONE

<sup>1</sup> Operator name and Address ARCO PERMIAN P.O. BOX 1610 MIDLAND, TX 79702		<sup>2</sup> OGRID Number 000990
<sup>4</sup> Property Code 22954		<sup>3</sup> API Number 30-0 15-30254
<sup>5</sup> Property Name WASHINGTON "33" STATE		<sup>6</sup> Well No. 31

<sup>7</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
K	33	17S	28E		1650	SOUTH	1650	WEST	EDDY

<sup>8</sup> 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
<sup>9</sup> Proposed Pool 1 WILDCAT ARTESIA - G-PSO WILDCAT (YESO)					<sup>10</sup> Proposed Pool 2 ARTESIA (Q-G-SA)				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3670' GR
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 4000	<sup>18</sup> Formation YESO	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 8/98

<sup>21</sup> 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#	500'	450	CIRC TO SURF
7-7/8	5-1/2	15.5#	4000'	1200	CIRC TO SURF
18 Hours WOC on 8 5/8" casing					

<sup>22</sup> 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.

DRILL SURFACE HOLE W/FRESH WATER TO 500'. SET & CEMENT 8-5/8" CASING.  
DRILL 7-7/8" HOLE TO 2000; W/SATURATED BRINE. DRILL 4000' TD W/ SACT GEL  
USING PRE-HYDRATED FW GEL SWEEPS, FL +/- 15CC. LOG WELL, RUN & CEMENT  
5-1/2" CASING. COMPLETE AND TEST YESO FORMATION.

SUBJECT WELL PLANNED AS A 4000' STRAIGHT HOLE.  
3000 PSI BOPE WILL BE USED FORM 500' TO TD.

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

Signature: *Laurie Cherry*  
Printed name: LAURIE CHERRY

Title: REG./COMP. ASST.

OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY TIM W. GUN**  
DISTRICT II SUPERVISOR

Title:

Approval Date: 8-3-98 Expiration Date: 8-3-99