

DISTRICT I  
325 N. French Dr., Hobbs, NM 88240

DISTRICT II  
811 South Frist, 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 and Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, NM 87505

Form C-101

Revised March 25, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copie

Fee Lease - 5 Copie

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address FOUR STAR OIL AND GAS COMPANY 3300 N. Butler Ave. Ste 100 Farmington NM 87401				<sup>2</sup> OGRID Number 131994
<sup>4</sup> Property Code 17727		<sup>5</sup> Property Name SCHUMACHER		<sup>3</sup> API Number 30045-30306
<sup>6</sup> Well No. 1-B				

<sup>7</sup> Surface Location									
UI or lot no.	Section	Township	Range	Lot. Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	18	T30N	R10W		1955	NORTH	1905	WEST	SAN JUAN

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface									
UI 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 BLANCO MESA VERDE									
<sup>10</sup> Proposed Pool 2									

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Rotary or C.T. R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 6219' GR
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 4565'	<sup>18</sup> Formation MESA VERDE	<sup>19</sup> Contractor BEAR CAT	<sup>20</sup> Spud Date

<sup>21</sup> Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	32#	350'	260 SXS	SURFACE
7-7/8"	5-1/2"	15.5#	4565'	480 SXS	SURFACE

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.

22 FOUR STAR OIL AND GAS CO. PROPOSES TO DRILL THIS DEVELOPMENT WELL TO A DEPTH OF 4565'. THIS WELL WILL TEST THE PRODUCTIVITY

23 OF THE MESA VERDE FORMATION. IF THE WELL IS UNPRODUCTIVE, IT WILL BE PLUGGED AND ABANDONED AS PER STATE REQUIREMENTS.

24

25 BOND COVERAGE FOR THIS WELL IS PROVIDED BY BOND NO. K02907914-C4073 (NATION WIDE BLM BOND) & BOND NO. K02907914-F4072

26 (NATION WIDE BIA BOND)

27

28 A THREATENED -ENDANGERED SPECIES SURVEY AND ARCHAEOLOGICAL SURVEY WERE PERFORMED

<sup>23</sup> I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.		<b>OIL CONSERVATION DIVISION</b>	
Signature <i>Arthur D. Archibeque</i>		Approved By: <i>[Signature]</i>	
Printed Name Arthur D. Archibeque		Title: <b>DEPUTY OIL &amp; GAS INSPECTOR, DIST. #3</b>	
Title Eng. Assistant		Approval Date: <b>7-24-00</b> Expiration Date: <b>JUL 24 2001</b>	
Date 07/12/2000 Telephone 325-4397		Conditions of Approval: Attached =	

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form O-102  
Revised February 21, 1991  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

District II  
PO Drawer 00, Artesia, NM 88211-0719

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

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number <u>30.045-30306</u>	'Pool Code 72319 -	'Pool Name BLANCO MESAVERDE-
'Property Code <u>17727</u>	'Property Name SCHUMACHER	'Well Number 18
'OSPID No. <u>131994</u>	'Operator Name FOUR STAR OIL & GAS COMPANY	'Elevation 6219'

<sup>10</sup> Surface Location

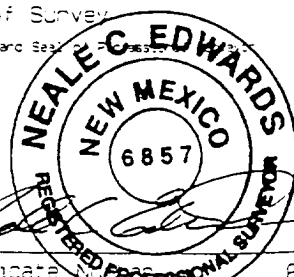
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
F	18	30N	10W		1955	NORTH	1905	WEST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres <u>309.53-1/2</u>	<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

1267.20'	1320.00'	2540.00'	<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.  <u>Arthur D. Archibez</u> Signature <u>Arthur D. Archibez</u> Printed Name <u>Engineer Assistant</u> Title <u>6/27/2000</u> Date
LOT 1		LOT 6 LOT 5	
LOT 2		LOT 7 LOT 8	
1905'			
5236.44'	18		<sup>18</sup> SURVEYOR CERTIFICATION 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.  JUNE 7, 2000 Date of Survey <u>NEALE G. EDWARDS</u> Signature and Seal  Certificate No. 6857
		LOT 10 LOT 9	
LOT 13	LOT 14	LOT 15 LOT 16	
1236.84'	1294.92'	2589.84'	



## DRILLING PROGRAM

OPERATOR: FOUR STAR OIL & GAS Co.  
LEASE NAME: SCHUMACHER 1B  
LOCATION: 1955' FNL-1905' FWL SEC.18 30N-10W SAN JUAN COUNTY., NEW MEXICO

1. **ESTIMATED TOPS OF GEOLOGIC MARKERS.**

THE ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS ARE AS FOLLOWS:

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUBSEA</u>
MESA VERDE	4335'	3890'
T.D.	4565'	4260'

2. **ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS, WATER, OR OTHER MINERAL BEARING ZONES.**

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUBSTANCE</u>
MESA VERDE	4335'	GAS
T.D.	4565'	

IF ANY UNEXPECTED WATER OR MINERAL BEARING ZONES ARE ENCOUNTERED DURING DRILLING, THEY WILL BE REPORTED, EVALUATED, AND PROTECTED AS CIRCUMSTANCES AND REGULATIONS REQUIRE.

3. **BOP EQUIPMENT.**

TEXACO'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT ARE AS FOLLOWS:

RAM TYPE: HYDRAULIC DOUBLE, 3000 PSI W.P.

RAM TYPE PREVENTERS AND ASSOCIATED EQUIPMENT SHALL BE TESTED TO APPROVED STACK WORKING PRESSURE IF ISOLATED BY TEST PLUG OR TO 70 PERCENT OF INTERNAL YIELD PRESSURE OF CASING. PRESSURE SHALL BE MAINTAINED FOR AT LEAST 10 MINUTES OR UNTIL REQUIREMENTS OF TEST ARE MET, WHICHEVER IS LONGER. IF A TEST PLUG IS UTILIZED, NO BLEED-OFF PRESSURE IS ACCEPTABLE. FOR A TEST NOT UTILIZING A TEST PLUG, IF A DECLINE IN PRESSURE OF MORE THAN 10 PERCENT IN 30 MINUTES OCCURS, THE TEST SHALL BE CONSIDERED TO HAVE FAILED. VALVE ON CASING HEAD BELOW TEST PLUG SHALL BE OPEN DURING TEST OF BOP STACK.

ANNULAR TYPE PREVENTERS (IF USED) SHALL BE TESTED TO 50 PERCENT OF RATED WORKING PRESSURE. PRESSURE SHALL BE MAINTAINED AT LEAST 10 MINUTES OR UNTIL PROVISIONS OF TEST ARE MET, WHICHEVER IS LONGER.

AS A MINIMUM, THE ABOVE TEST SHALL BE PERFORMED:

- A. WHEN INITIALLY INSTALLED;
- B. WHENEVER ANY SEAL SUBJECT TO TEST PRESSURE IS BROKEN
- C. FOLLOWING RELATED REPAIRS; AND
- D. AT 30 DAY INTERVALS

VALVES SHALL BE TESTED FROM WORKING PRESSURE SIDE DURING BOP TESTS WITH ALL DOWNSTREAM VALVES OPEN.

WHEN TESTING THE KILL LINE VALVE(S), THE CHECK VALVE SHALL BE HELD OPEN OR THE BALL REMOVED.