

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
Revised June 10, 2003

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

<sup>1</sup> Operator Name and Address SDG Resources L. P. P. O. Box 1390 Montrose, CO 81402		<sup>2</sup> OGRID Number 022351
		<sup>3</sup> API Number 30 - 025-33459
<sup>3</sup> Property Code 10917	<sup>5</sup> Property Name Cooper Jal Unit	<sup>6</sup> Well No. 421

#### <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
J	24	24-S	36-E		1575	SOUTH	2525	EAST	Lea

#### <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 JALMAT - 3,024'-3,356'					<sup>10</sup> Proposed Pool 2 LANGLIE MATTIX - 3,452'-3,748'				

<sup>11</sup> Work Type Code A	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code STATE	<sup>15</sup> Ground Level Elevation 3318' G. L.
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 3,780'	<sup>18</sup> Formation TNSL-YTS-7RV-QUN	<sup>19</sup> Contractor GREAT BASIN WELL SERVICE	<sup>20</sup> Spud Date 12/02/04

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

<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.

Objectives: Deepen Jalmat producer and complete as DHC (Jalmat/Langlie Mattix) producer. Acidize and Fracture Stimulate.

1. Use Sentinal Manual BOP rated at 5,000 psig.
2. Drill out cement at 3,688' to 3,780'. Perf Yates (3024'-3052') & Queen (3452'-3748').
3. Langlie Mattix: acidize w/ 4,000 gals & Frac Stim w/ 121,000# 12/20 mesh sand..
4. Down hole commingle Jalmat and Langlie Mattix zones.

DHC-3592

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

Signature: *Domingo Carrizales*

Printed name: Domingo Carrizales

Title: Sr. Petroleum Engineer

E-mail Address: [domingo@sdgresources.com](mailto:domingo@sdgresources.com)

Date: 10/24/05

Phone: 432-580-8500

#### OIL CONSERVATION DIVISION

Approved by:

*[Signature]* PETROLEUM ENGINEER

Title:

Approval Date:

Expiration Date:

DEC 05 2005

Condition of Approval: PETROLEUM ENGINEER

Attached ☐