

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

¹ Operator Name and Address SDG Resources L. P. P. O. Box 1390 Montrose, CO 81402		² OGRID Number 022351
		³ API Number 30 - 025-33458
³ Property Code 10917	⁵ Property Name Cooper Jal Unit	⁶ Well No. 420

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
G	24	24-S	36-E		2310	NORTH	2310	EAST	Lea

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 JALMAT - 3,046'-3,362'						¹⁰ Proposed Pool 2 LANGLIE MATTIX - 3,476'-3,752'			

¹¹ Work Type Code A	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code STATE	¹⁵ Ground Level Elevation 313' G. L.
¹⁶ Multiple No	¹⁷ Proposed Depth 3,765'	¹⁸ Formation TNSL-YTS-7RV-QUN	¹⁹ Contractor GREAT BASIN WELL SERVICE	²⁰ Spud Date 12/02/04

²¹ Proposed Casing and Cement Program

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

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.

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

1. Use Sentinel Manual BOP rated at 5,000 psig.
2. Drill out CIBP at 3,690' and cement at 3,732' to 3,784'. Perf Yates (3024'-3283'), 7-Rivers (3476'-3618') & Queen (3634'-3752').
3. Langlie Mattix: acidize w/ 3,500 gals & Frac Stim w/ 81,500# 12/20 mesh sand; treat Jalmat: Spot & Spear head w/ 1,000 gals & 65,000# 16/30 mesh sand..
4. Down hole commingle Jalmat and Langlie Mattix zones.

DHC-3082

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Domingo Carrizales</i>		OIL CONSERVATION DIVISION	
Printed name: Domingo Carrizales		Approved by: <i>[Signature]</i> PETROLEUM ENGINEER	
Title: Sr. Petroleum Engineer		Title:	
E-mail Address: domingo@sdgresources.com		Approval Date: DEC 05 2005	
Date: 10/20/05	Phone: 432-580-8500	Expiration Date:	
		Conditions of Approval: Attached <input type="checkbox"/>	

- District I -

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-33458		² Pool Code Jalmat. 33020		³ Pool Name Jalmat	
⁴ Property Code 10917		⁵ Property Name Cooper Jal Unit			⁶ Well Number 420
⁷ OGRID No. 022351		⁸ Operator Name SDG Resources L. P. P. O. Box 1390 Montrose, CO 81402			⁹ Elevation 3313' G. L.

¹⁰ Surface Location

UL or lot no. G	Section 24	Township 24-S	Range 36-E	Lot Idn	Feet from the 2310	North/South line North	Feet from the 2310	East/West line East	County Lea
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¹¹ 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
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

<div style="text-align: center;"> <p>24</p> </div>	<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Domingo Carrizales</i> Signature</p> <p>Domingo Carrizales Printed Name</p> <p>Sr. Petroleum Engineer domingo@sdgresources.com Title and E-mail Address</p> <p>10/20/05 Date</p>	
	<p>¹⁸ 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.</p>	
	<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>	
	<p>Certificate Number</p>	

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-33458		² Pool Code L.M. 37240		³ Pool Name Langlie Mattix:	
⁴ Property Code 10917		⁵ Property Name Cooper Jal Unit			⁶ Well Number 420
⁷ OGRID No. 022351		⁸ Operator Name SDG Resources L. P. P. O. Box 1390 Montrose, CO 81402			⁹ Elevation 3313' G. L.

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