

**District I**  
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**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
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**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

**HOBBS OCD**

NOV 06 2017

**RECEIVED**

Form C-101  
Revised July 18, 2013

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address DGP Energy, LLC 2530 Eldorado Parkway, Suite 200 McKinney TX 75070 (214) 707-3805		<sup>2</sup> OGRID Number 372583
<sup>3</sup> Property Code 320054		<sup>4</sup> Property Name Golden Tyche State 1621 STATE
<sup>5</sup> API Number 30-025-44196		<sup>6</sup> Well No. 1H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
K	16	16S	36E		2265	S	2276	W	Lea

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
M	21	16S	36E		270	S	990	W	Lea

**9. Pool Information**

Pool Name	Pool Code
Shoe Bar; Wolfcamp, North	56295

<sup>11</sup> Work Type N	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type S & P	<sup>15</sup> Ground Level Elevation 3910'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth TVD: 11335' MD: 19205'	<sup>18</sup> Formation Wolfcamp	<sup>19</sup> Contractor to be determined	<sup>20</sup> Spud Date upon approval
Depth to Ground water 55' in L 00409		Distance from nearest fresh water well 1462' southwest of L 00409		Distance to nearest surface water ≈3000' NNE of depression

A closed-loop system will be used in lieu of lined pits.

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Conductor	24"	20"	H-40 conductor	GL - 80'	Ready Mix	GL
Surface	17.5"	13.375"	54.5	GL - 2000'	890 lead + 420 tail	GL
Intermediate	12.25"	9.625"	40.0	GL - 11750'	1730 lead + 200 tail w/ DV tool @ 1800'	GL
Production	8.5"	5.5"	20.0	GL - 19205'	2185	9000'

**Casing/Cement Program: Additional Comments**

Will drill 8.75" pilot hole to 11750' TVD and then plug back. Four 20 sack Class H plugs will be set at 11450' - 11550', 9450' - 9550', 7450' - 7550', & 5450' - 5550'. KOP will be 10762' TVD & 10974' MD.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
annular & rams	10,000 psi	10,000 psi	to be determined

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

I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: 10-31-17

Phone: 505 466-8120

**OIL CONSERVATION DIVISION**

Approved By:

Title:

Approved Date: 11/16/17

Expiration Date: 11/16/19

Conditions of Approval Attached

**See Attached**

**Conditions of Approval**

# CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-44198	DGP Energy LLC	Golden Tyche 1621 State # 001H

Applicable conditions of approval marked with XXXXXX

## Administrative Orders Required

None	
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## Other wells

None	

## Drilling

XXXXXXX	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

## Casing

XXXXXXX	SURFACE & INTERMEDIATE(1) CASING - Cement must circulate to surface --
XXXXXXX	PRODUCTION CASING - Cement must tie back into intermediate casing --
XXXXXXX	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
XXXXXXX	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water