

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**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  
Phone: (505) 334-6178 Fax: (505) 334-6170

**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**  
**NM OIL CONSERVATION**  
**Oil Conservation Division ARTESIA DISTRICT AMENDED REPORT**

Form C-101  
Revised July 18, 2013

1220 South St. Francis Dr. **AUG 27 2018**  
Santa Fe, NM 87505

**RECEIVED**

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

<sup>1</sup> Operator Name and Address <b>3BEAR FIELD SERVICES, LLC</b> 1512 LARIMER ST., SUITE 540 DENVER, CO 80202	<sup>2</sup> OGRID Number <del>322495</del> <b>372603</b> <sup>3</sup> API Number <del>30-015</del> <b>45219</b>
<sup>4</sup> Property Code <b>322495</b>	<sup>5</sup> Property Name <b>GILLOCK-BROWN SWD</b>
<sup>6</sup> Well No. <b>1</b>	

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	33	22S	26E		696	NORTH	1568	WEST	EDDY

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**9. Pool Information**

Pool Name <b>SWD; DEVONIAN-SILURIAN</b>	Pool Code <b>97869</b>
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**Additional Well Information**

<sup>11</sup> Work Type <b>N</b>	<sup>12</sup> Well Type <b>S</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type <b>P</b>	<sup>15</sup> Ground Level Elevation <b>3297</b>
<sup>16</sup> Multiple <b>YES</b>	<sup>17</sup> Proposed Depth <b>13,345'</b>	<sup>18</sup> Formation <b>SILURO-DEVONIAN</b>	<sup>19</sup> Contractor <b>NABORS</b>	<sup>20</sup> Spud Date <b>11/01/2018</b>
Depth to Ground water <b>187'</b>		Distance from nearest fresh water well <b>1841'</b>		Distance to nearest surface water <b>760' (SHEEP DRAW)</b>

We will be using a closed-loop system 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
SURF	17.5"	13.375"	48#	1600	570	0
INTER	12.25"	9.625"	40#	8500	1810	0
LINER	8.75"	7.625"	39#	12225	280	8200

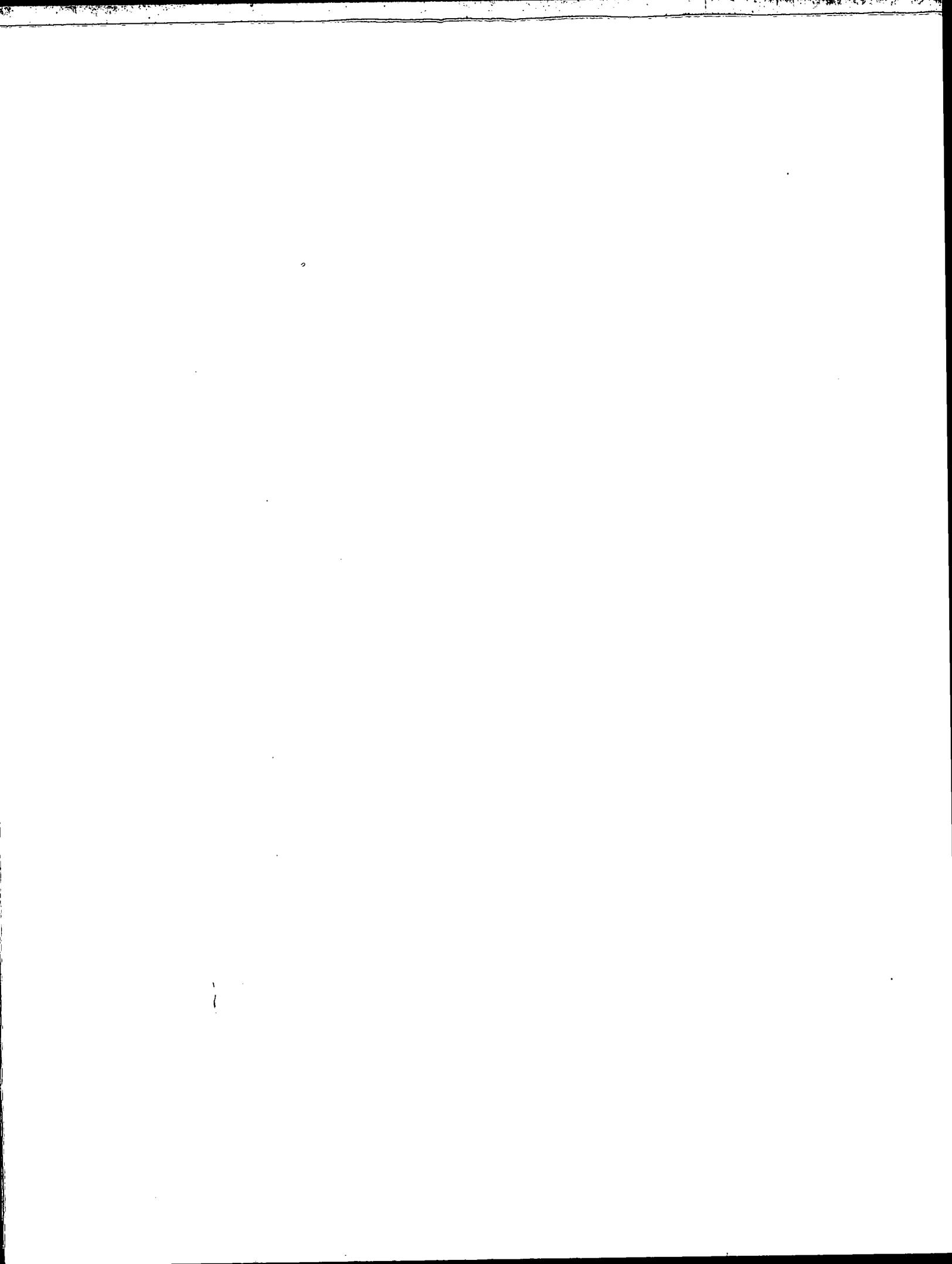
**Casing/Cement Program: Additional Comments**

PLEASE SEE ATTACHED WELLBORE DIAGRAM

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
	SEE ATTACHMENT		

<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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: <i>Jennifer Elrod</i>	<b>OIL CONSERVATION DIVISION</b> Approved By: <i>Raymond W. Godang</i> Title: <i>Geologist</i> Approved Date: <i>8-29-18</i> Expiration Date: <i>8-29-20</i>
Printed name: <b>JENNIFER ELROD</b>	
Title: <b>SR. REGULATORY TECH</b>	
E-mail Address: <b>jelrod@chisholmenergy.com</b>	
Date: <b>08/27/2018</b>	Phone: <b>817-953-3728</b>
Conditions of Approval Attached <b>Approved C-108</b>	



**NM OIL CONSERVATION  
ARTESIA DISTRICT**

**AUG 27 2018**

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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  
**RECEIVED** Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-015-45219</b>		<sup>2</sup> Pool Code <b>97869</b>	<sup>3</sup> Pool Name <b>SWD; DEVONIAN-SILURIAN</b>
<sup>4</sup> Property Code <b>322295</b>	<sup>5</sup> Property Name <b>GILLOCK - BROWN SWD</b>		<sup>6</sup> Well Number <b>1</b>
<sup>7</sup> OGRID No. <b>320485 372603</b>	<sup>8</sup> Operator Name <b>3BEAR FIELD SERVICES, LLC</b>		<sup>9</sup> Elevation <b>3297'</b>

**Surface Location**

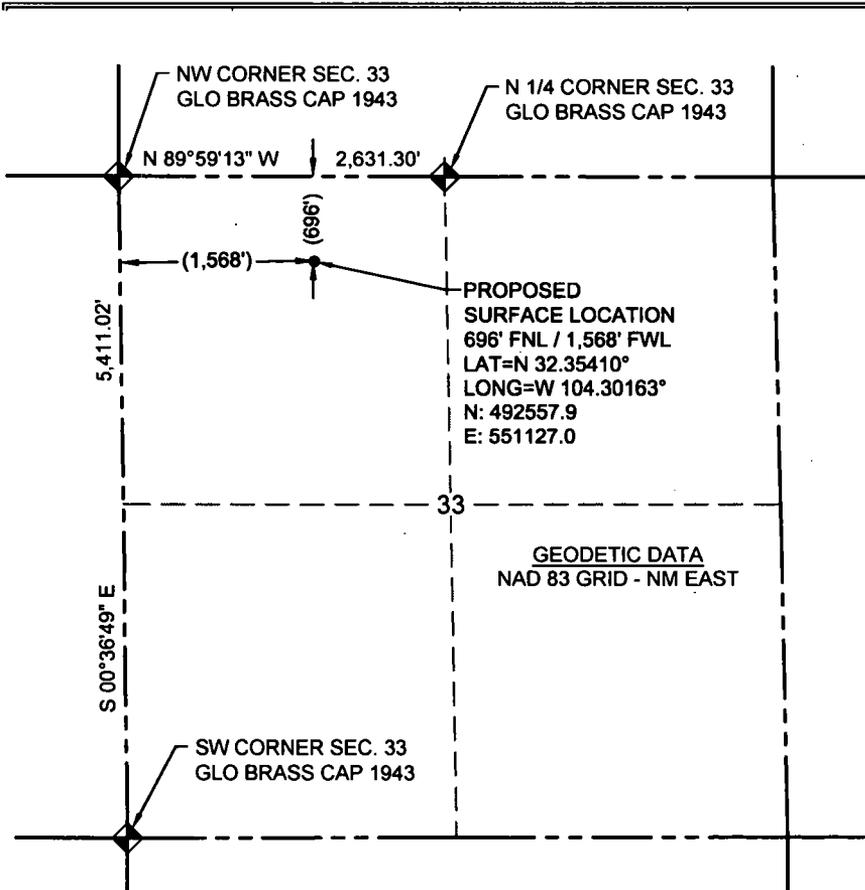
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	33	22S	26E		696	NORTH	1,568	WEST	EDDY

**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>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.

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.



**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jennifer Elrod* 08/06/2018  
Signature Date

JENNIFER ELROD

Printed Name

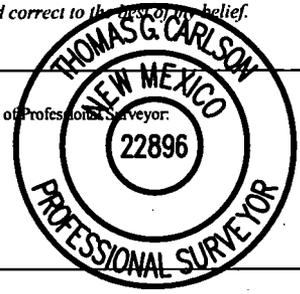
jelrod@chisholmenenergy.com  
E-mail Address

**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.

6/07/18  
Date of Survey

Signature and Seal of Professional Surveyor:



22896  
Certificate Number

*RJR 8-29-18*



**Gillock-Brown SWD 1**  
Permit # --- API #

TVD ft-RKB	Geological Tops	Wellbore Sketch	Hole Size	Casing	Drilling Fluids	Cement	Potential Mineral Bearing Formations												
1,150	Base of Salt		17-1/2"	Surface: 13-3/8" 48# J55 STC	FW Spud Mud 8.5 - 9.2 ppg 38 - 40 Viscosity 8 - 10 PV 8 - 10 YP NC API Filtrate	Class C 14.8 ppg 1.34 cuft/sk TOC Surface 570 Sacks													
2,000'	1,500 Delaware		4,000'	4,950 Bone Spring	12-1/4"	Intermediate: 9-5/8" 40# L80HC BTC	550' - 1,600': Saturated Brine 10.0 - 10.2 ppg 28 - 29 Viscosity PV, YP - NA 1,600' - 8,500': Diesel/Brine Emulsion 8.9 - 9.3 ppg 40 - 45 Viscosity 14 - 21 PV 11 - 20 YP	Stage 1 Lead - Class C 12.7 ppg 2.19 cuft/sk TOC 1,600' 1,145 Sks Tail - Class C 14.8 ppg 1.38 cuft/sk TOC 8,000' 145 Sks Stage 2 Lead - Class C 12.9 ppg 2.19 cuft/sk TOC Surface 375 Sks Tail - Class C 14.8 ppg 1.33 cuft/sk TOC 1,300' 145 Sks											
6,000'	8,500 Wolfcamp		8,500'	8,500'	8-3/4"	Liner: 5/8" 39# P110 UF1	7 Saturated Brine 10.0 - 12.0 ppg 36 - 38 Viscosity 10 - 18 PV 8 - 12 YP 6 - 8 API Filtrate	Lead - Class H 12.7 ppg 1.98 cuft/sk TOC - 8,200' 100 Sks Tail - Class H 14.5 ppg 1.23 cuft/sk TOC - 10,000' 180 Sks											
10,000'	10,075 Strawn		10,000'	10,450 Atoka	11,000'	11,000 Morrow	11,200 Barnett	11,500 Mississippian	12,000'	12,225 Devonian	12,225'	13,000'	13,025 Fusselman-Montoya	13,345 Simpson	13,345'	14,000'	6-1/8"	Cut Brine 8.9 - 9.2 ppg 29 - 30 Viscosity 1 - 3 PV 1 - 3 YP NC API Filtrate	

# JDC Drilling Company, LLC

## RIG NO. 7

### **Annular Preventer**

13-5/8 5,000 PSI WP

### **Ram Preventers**

13-5/8" 10,000 PSI WP Double Ram

13-5/8" 10,000 PSI WP Single Ram

Test the pipe rams, blind rams, floor valves (IBOP and/or upper Kelly valve), choke lines and manifold to 250 psi/5,000 psi with a test plug and a test pump.

Test the annular to 250 psi/2,500 psi with same as above.