

## 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) 748-0720

## 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

Form C-101  
Revised July 18, 2013

## Energy Minerals and Natural Resources

Oil Conservation Division

**OIL CONSERVATION**  
**ARTESIA DISTRICT** ☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

NOV 19 2018

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

Operator Name and Address <b>RIDGE RUNNER RESOURCES OPERATING, LLC</b> 1004 N. BIG SPRING STREET, SUITE 325 MIDLAND, TX 79701		OGRID Number 373013
Property Code 322658		API Number 30-015-22006
Property Name STATE 21 COM		Well No. 001

## 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
B	21	20S	28E	B	660	N	1980	E	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>BURTON FLAT; MORROW</b>	<b>SALADAR STRAW 84412</b> <b>Burton Flats Wolfcamp</b> <b>73520</b>	Pool Code 73280
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## Additional Well Information

11 Work Type <b>RECOMPLETION</b>	12 Well Type <b>GAS</b>	13 Cable/Rotary	14 Lease Type <b>STATE</b>	15 Ground Level Elevation <b>3246'</b>
16 Multiple <b>N</b>	17 Proposed Depth <b>11,311'</b>	18 Formation <b>MORROW</b>	19 Contractor	20 Spud Date <b>2/13/77</b>
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ 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
<b>SURF</b>	<b>17.5"</b>	<b>13.375"</b>	<b>48</b>	<b>600</b>	<b>600</b>	<b>SURF</b>
<b>INT 1</b>	<b>12.25"</b>	<b>8.625"</b>	<b>24 &amp; 32</b>	<b>3000</b>	<b>2200</b>	<b>SURF</b>
<b>PROD</b>	<b>17.875"</b>	<b>4.5"</b>	<b>11.6</b>	<b>11,409</b>	<b>800</b>	<b>7960</b>

## Casing/Cement Program: Additional Comments

## 22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
<b>DOUBLE RAM</b>	<b>3000</b>	<b>2400</b>	<b>UNKNOWN</b>

23. 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: **MICHELLE SENA**

Title: **REGULATORY ANALYST**

E-mail Address: **MSENA@3ROPERATING.COM**

Date: **11/15/18**

Phone: **432-684-7877**

## OIL CONSERVATION DIVISION

Approved By:

*Raymond J. Rodary*

Title:

*Geologist*

Approved Date: **11-19-18**

Expiration Date: **11-19-20**

Conditions of Approval Attached

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

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

NOV 19 2018

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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-22006	<sup>2</sup> Pool Code 84412	<sup>3</sup> Pool Name Saladar, Strawn (gas)
<sup>4</sup> Property Code 322658	<sup>5</sup> Property Name STATE 21 COM	<sup>6</sup> Well Number 001
<sup>7</sup> OGRID No. 373013	<sup>8</sup> Operator Name RIDGE RUNNER RESOURCES OPERATING, LLC	<sup>9</sup> Elevation 3246'

**<sup>10</sup> Surface Location**

UL or lot no. B	Section 21	Township 20S	Range 28E	Lot Idn B	Feet from the 660	North/South line NORTH	Feet from the 1980	East/West line EAST	County EDDY
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**<sup>11</sup> 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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<sup>12</sup> Dedicated Acres 320	<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.

	<p><b><sup>16</sup> OPERATOR CERTIFICATION</b></p> <p>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 undivided 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.</p> <p>Signature: <u>Michelle Sena</u> Date: <u>11/19/18</u></p> <p>Printed Name: <u>Michelle Sena</u></p> <p>E-mail Address: <u>msena@3roperating.com</u></p>
	<p><b><sup>17</sup> SURVEYOR CERTIFICATION</b></p> <p>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: <u>Refer to Original Plat</u></p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

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State of New Mexico **NM OIL CONSERVATION** Form C-102  
Energy, Minerals & Natural Resources Department **ARTESIA DISTRICT** Revised August 1, 2011  
**OIL CONSERVATION DIVISION** Submit one copy to appropriate District Office  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
**NOV 19 2018**  
**RECEIVED** ☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-22006	<sup>2</sup> Pool Code 73520	<sup>3</sup> Pool Name Burton Flat; Wolfcamp, North (gas)
<sup>4</sup> Property Code 322658	<sup>5</sup> Property Name STATE 21 COM	
<sup>7</sup> OGRID No. 373013	<sup>8</sup> Operator Name RIDGE RUNNER RESOURCES OPERATING, LLC	<sup>6</sup> Well Number 001 <sup>9</sup> Elevation 3246'

**10 Surface Location**

UL or lot no. B	Section 21	Township 20S	Range 28E	Lot Idn B	Feet from the 660	North/South line NORTH	Feet from the 1980	East/West line EAST	County EDDY
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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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<sup>12</sup> Dedicated Acres 320	<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.

<div style="position: relative; height: 400px;"> <div style="position: absolute; top: 10%; left: 10%; width: 10%; height: 10%; border: 1px solid black; transform: rotate(45deg);">660</div> <div style="position: absolute; top: 40%; left: 40%; width: 20%; height: 20%; border: 1px solid black;">1980'</div> </div>	<b>17 OPERATOR CERTIFICATION</b> 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 undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well in 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. Signature: <u>Michelle Sena</u> 11/19/18 Date: _____ Printed Name: <u>Michelle Sena</u> E-mail Address: <u>msena@3roperating.com</u>	
	<b>18 SURVEYOR CERTIFICATION</b> 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. Date of Survey: <u>Refer to Original Plat</u> Signature and Seal of Professional Surveyor: _____ Certificate Number: _____	

NOV 19 2018

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form O-10,  
Superseded L-124  
Effective 1-1-75

All distances must be from the outer boundaries of the Section

PETROLEUM RESERVE CORPORATION			Lessor			State "21" <i>Com.</i>			Well No. 1		
Section	21	Township	20 South	Range	28 East	County	Eddy				
Actual Location of Well:											
660		feet from the north		line and		1980		feet from the east		line	
Ground Level Elev.	3246.3	Producing Formation	HOPROW		Block	BURTON FLAT 40.		Section	320		

- 1 Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- 2 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 3 If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation COMMUNITIZATION

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

P.R.C. W.I. F.O. From Amoco State New Mexico P.I. L487	P.P.C. W.I. F.O. from Pennzoil State New Mexico L1514
P.R.C. W.I. F.O. From Amoco State N.M. L 487	

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**DEC 27 1976**

**O. C. C.**  
ARTESIA, OFFICE

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature *Frank M. Sanmann*  
FRANK M. SANMANN

ENGINEER

PETROLEUM RESERVE CORP.

DATE  
DECEMBER 23, 1976

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 knowledge and belief.

Date Surveyed

Dec. 10, 1976

Registered Professional Engineer  
and/or Land Surveyor

Signature *John W. West*

Certificate No. 676

330 660 100 1320 1660 1980 2300 2640 2000 1800 1600 1400 1200 1000 800 0

Kelvin Fisher

Chief Operating Officer  
kfisher@3ROperating.com



1004 N. Big Spring St,  
Suite #325  
Midland, TX 79701  
Office: (432) 684-7877

## **Recompletion Prognosis State 21 Com #1**

Surface Location: 660 ft from N line & 1980 ft from E line of Section 21, Township 20S, Range 28E, Eddy county, NM.

API # 30-015-22006 Lat/Long: 32.564506 -104.1805573 NAD83

**EXISTING CASING:** Elevation: 3246 ft GL / 3264 ft KB (RKB 18').

Hole	MD (ft)	Casing	Weight	Grade	Coupling	TOC	COMMENT
17-1/2"	0 - 600	13-3/8"	48	J55	ST&C	Surf (circ)	
12-1/4"	0 - 3,000	8-5/8"	24 & 32	K55	STC LT&C	Surf (circ)	
7-7/8"	0 - 11,409	4-1/2"	11.6	N80 P110	LT&C	7960 (TS)	

PBTD: 11,311'.

Existing Tubing: 2-3/8" with packer at 11,034'. 2" collar w/ spring at 10,976' (1/9/99).

Flowing gas well.

### **EXISTING PERFS:**

Date	Description	Depth Interval	COMMENT
4/8/1977	Morrow	11,064 - 11,164	11,064-80' (32 holes), 11,125-34' (18 holes), 11,148-64' (32 holes). A/ 3k gal 7-1/2% Acid. F/24k gal fluid + 12,500 gal CO2 + 25k lb 40/60 sand + 6.8k lb 20/40 sand + 750 lb glass beads. 5/11/77 3245 mcf/d at 2155 psi on 12/64" choke.

### **EXISTING LOGS:**

#### **Open Hole**

Date	Contr.	Hole Interval	Depth Interval	Logs Run	COMMENT
3/20/1977	Schlumberger	7-7/8"	11,416 - surf	CNL-FDC / DLL	174°F after 6 hr.

#### **Cased Hole**

Date	Contr.	Casing Interval	Depth Interval	Logs Run	COMMENT
3/27/1977	Welex	4-1/2"	11,302 - 7,900	CBL	TOC 8010' (7960' by temp survey). 190°F.

**Workover Procedure:**  
**(Rev. 1 11/15/2018)**

**Plugback Morrow**

- 1) Set flowback tank. Lay line to tank, blow down well.
- 2) MIRU pulling unit.
- 3) Load tubing with 2% KCl water until well is dead. Nipple down wellhead, NU BOP.
- 4) Release packer, TOH laying down tubing. Lay down packer.
- 5) Rig up cased hole wireline.
  - a) Set CIBP <100' above existing top perf (11,064'). Dump bail cement as required by OCD. RD wireline and lubricator.
- 6) Make bit & scraper run below proposed perfs to 10,300'.
- 7) Pressure test casing to 500 psi / 30 min (MIT test). Pressure test casing to 1,000 psi / 5 min.
- 8) Rig up acid truck. Pickle tubing with 500 gal acid down tubing with fresh water, then reversing to frac tank.

**Add Strawn perfs:**

*SALADAR STRwn 844/2*

- 9) Perforate Strawn Lime as follows:

Interval:	Net:	SPF:	Holes:
10,140 – 10,144	4		
10,150 – 10,160	10		
<b>Total</b>	<b>14</b>		

- 10) RD wireline and lubricator.
- 11) TIH with packer.
- 12) Spot 500 gal NEFE 15% HCl acid across perfs. Pull up 100' above top perf, reverse 12 bbl down casing, set packer.
- 13) Breakdown and acidize perfs with (volume TBD) acid.
- 14) Flow back well to frac tank. Evaluate Strawn zone.

**If uneconomic production... Add Wolfcamp perfs:**

*73520 Burton FLATS Wolfcamp  
GAS*

- 15) Unset packer, TOH w/ tubing.
- 16) Rig up wireline
  - a) Set CIBP <100' above Strawn perfs and TA this zone.
  - b) Perforate Wolfcamp Lime as follows:

Interval:	Net:	SPF:	Holes:
9126 - 9132	6		
9140 - 9144	4		
<b>Total</b>	<b>10</b>		

- 17) TIH with packer.
- 18) Spot 500 gal NEFE 15% HCl acid across perfs. Pull up 100' above top perf, reverse 12 bbl down casing, set packer.
- 19) Breakdown and acidize perfs with 1(volume TBD) acid.
- 20) Flow back well to frac tank. Evaluate Wolfcamp zone.

Further instructions to follow: Remove work string, run RRR tubing string in the hole, return to production from one or both intervals.

Operator: Finley Resources, Inc.

**Well:** State 21 Com #1

API: 30-015-22006

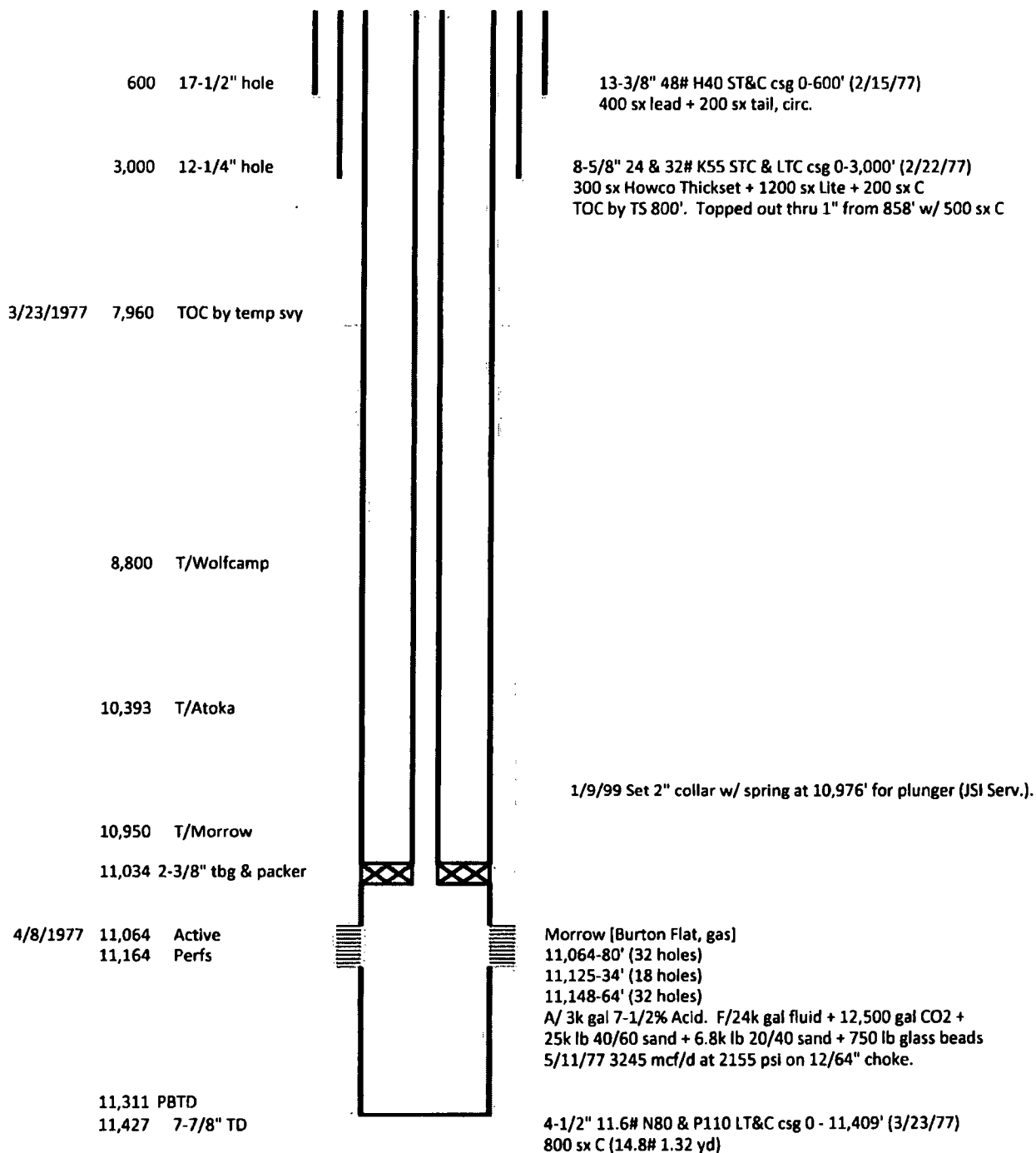
Location: 660 FNL & 1980 FEL (B) Sec 21-T20S-R28E, Eddy Co., NM

Elevation: 3246' GL / 3264' KB

Prepared: 11/5/2018

By: Kelvin Fisher

**Critical dates:** 10/1/1977 Castle Exploration Co. (???) Petroleum Reserve Corp. 2/13/1977 Spudded. 4/8/1977 First prod. 6/1/2002 Delta Petroleum Corp. 4/1/2007 Finley Resources Inc. 10/9/18 RRR Op.



**Current Status:**

**Active Gas well.**

**Last Prod:**

**Aug 2017 0 oil / 56 mcf gas / 0 water (31 d) from Burton Flat Morrow.**

SI payment made

Operator: Finley Resources, Inc.

Well: State 21 Com #1

API: 30-015-22006

Location: 660 FNL & 1980 FEL (B) Sec 21-T20S-R28E, Eddy Co., NM

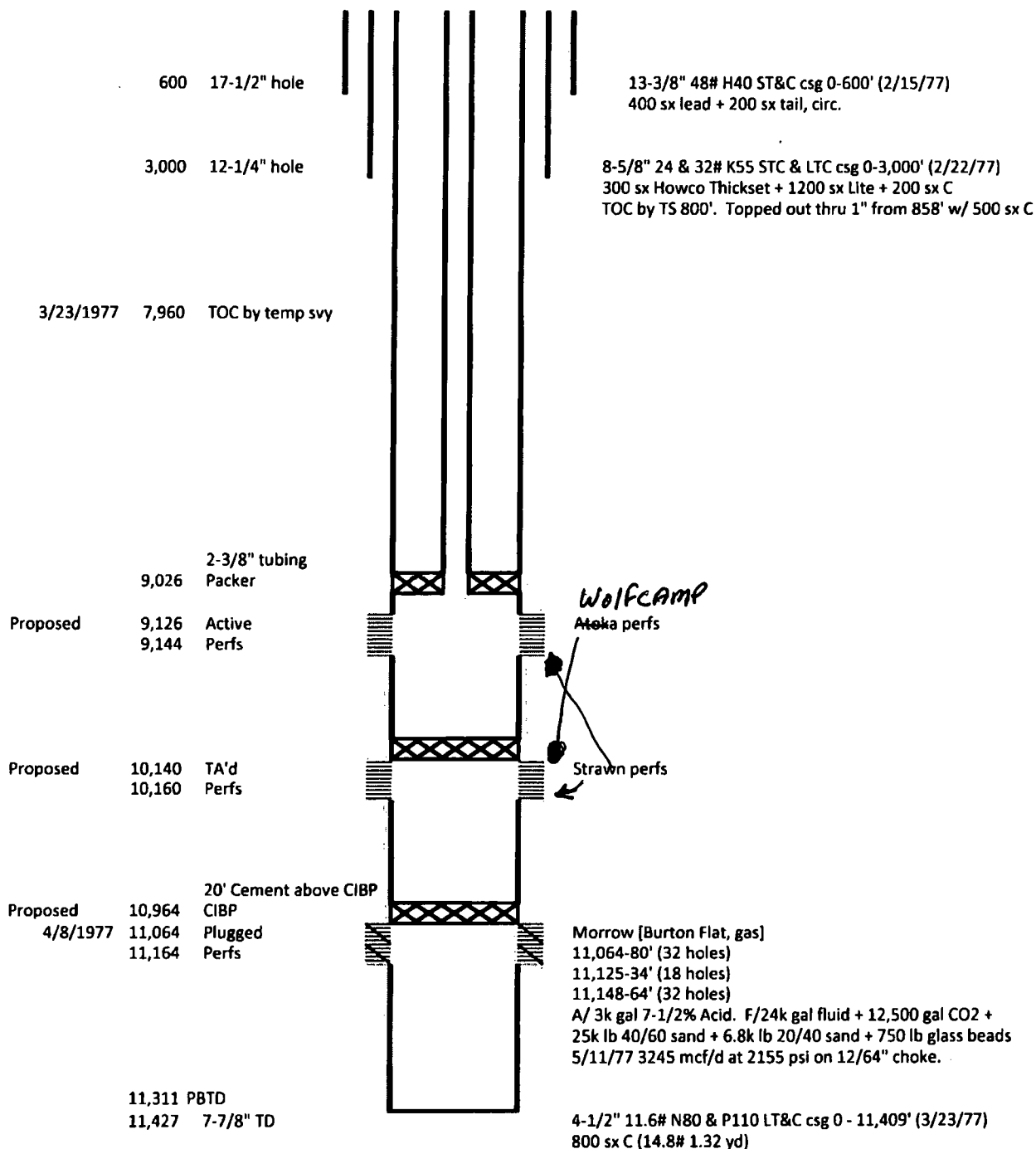
Elevation: 3246' GL / 3264' KB

Proposed Workover

Prepared: 11/15/2018

By: Kelvin Fisher

Critical dates: 10/1/1977 Castle Exploration Co. (???) Petroleum Reserve Corp. 2/13/1977 Spudded. 4/8/1977 First prod. 6/1/2002 Delta Petroleum Corp. 4/1/2007 Finley Resources Inc. 10/9/18 RRR Op.



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