

**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

Form C-101  
Revised July 18, 2013

## Energy Minerals and Natural Resources

## Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

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

<sup>1</sup> Operator Name and Address Tascosa Energy Partners, LLC 901 Missouri, Midland, Texas 79701		<sup>2</sup> OGRID Number 329748
		<sup>3</sup> API Number 30-015-29773
<sup>4</sup> Property Code	<sup>5</sup> Property Name Avalon 15 State	<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	15	21S	26E		660	N	1650	W	Eddy

<sup>8</sup> Proposed Bottom Hole Location

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

<sup>9</sup> Pool Information

<sup>10</sup> Pool Name Avalon; Morrow	<sup>11</sup> Pool Code 70920
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## Additional Well Information

<sup>12</sup> Work Type P	<sup>13</sup> Well Type G	<sup>14</sup> Cable/Rotary	<sup>15</sup> Lease Type S	<sup>16</sup> Ground Level Elevation 3,192
<sup>17</sup> Multiple N	<sup>18</sup> Proposed Depth	<sup>19</sup> Formation Wolfcamp	<sup>20</sup> Contractor NA	<sup>21</sup> Spud Date NA
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<sup>22</sup> Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17-1/2	13-3/8	48	314	375	Surface
Inter	11	8-5/8	24	2,193	915	150' FS
Production	7-7/8	5-1/2	17	11,109	1325	5,936 CBL

## Casing/Cement Program: Additional Comments

5-1/2" 2nd stage w/ packer @ 2123'. Cmt'd to surface w/ 300 sks "C". Attachments: C-102, WBD, procedure
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<sup>23</sup> Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Manual Ram	5K	3K	Townsend

<sup>24</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: *Alyssa McNear*

Printed name: Alyssa McNear

Title: Operations Engineer

E-mail Address: adavanzo@tascosaep.com

Date: 7-14-2020

Phone: 720 244 4417

## OIL CONSERVATION DIVISION

Approved By:

\*Kurt Simmons

Title: NMOCD, Santa Fe

Approved Date: 10/08/2020

Expiration Date:

Conditions of Approval Attached See below:

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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 August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-015-29773</b>	<sup>2</sup> Pool Code <b>71120</b>	<sup>3</sup> Pool Name <b>Avalon Wolfcamp, Gas</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>Avalon 15 C State</b>	<sup>6</sup> Well Number <b>1</b>
<sup>7</sup> OGRID No. <b>329748</b>	<sup>8</sup> Operator Name <b>Tascosa Energy Partners, LLC</b>	<sup>9</sup> Elevation <b>3192</b>

<sup>10</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
<b>C</b>	<b>15</b>	<b>21S</b>	<b>26E</b>		<b>660</b>	<b>North</b>	<b>1650</b>	<b>West</b>	<b>Eddy</b>

<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

<sup>12</sup> Dedicated Acres <b>320</b>	<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.

	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>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.</i>	
	Signature 	Date <b>7/14/20</b>
	Printed Name <b>Alyssa D. McNear</b>	
	E-mail Address <b>adavanzo@tascosaep.com</b>	
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>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.</i>	
	Date of Survey	
	Signature and Seal of Professional Surveyor:	
	Certificate Number	

Avalon 15 C State Com # 1 (29773)

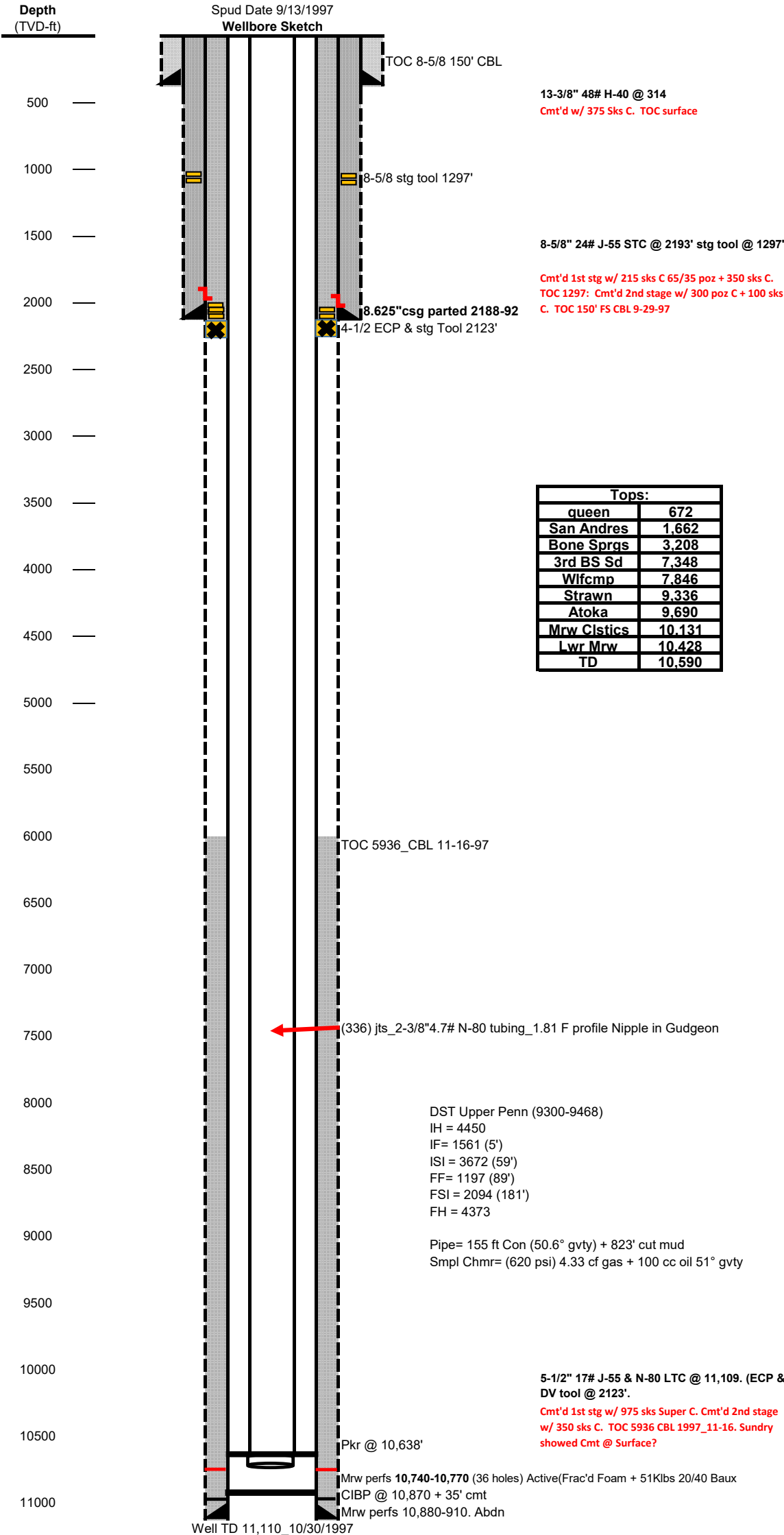
Location: Section 15, T21S, R26E\_Eddy County, New Mexico

660 FNL & 1650 FWL

API # 30-015-29773

Spud Date 9/13/1997

Wellbore Sketch



**Tascosa Energy Partners, LLC 329748****Avalon 15 State # 1****SL = 660 FNL & 1650 FWL, Sec 15, T21S, R26E, Eddy, NM****Target interval = Wolfcamp 8406-42 & 8584-89****Wolfcamp Workover Procedure****ENGINEERING INFO:**

Tops:	
queen	
San Andres	
1st BSprgs Carb	4,272
3rd BS Sd	
Wlfcmp	8,273
Penn	9,270
Strawn	9,656
Mrw Clstics	
Lwr Mrw	
Miss	11,020
TD	11,110

**TD = 11,110 ft****GL ELEV: 3,192 ft. KB 14.0 ft.****CASING:**

13-3/8" 48# H-40 STC 314 ft\_

8-5/8" 24# J-55 STC 2193 ft Stg tool @ 1297 ft. (Csg Parted @ 2188-92 per Devon)

5.5" 17# J-55 &amp; N-80 LTC @ 11,109 ft\_ECP &amp; DV tool @ 2123 ft. (.0232 BPF) (.1305 Cuft per ft)

1<sup>st</sup> stage TOC show 5,936 per CBL 1997\_11-162<sup>nd</sup> stage Shows TOC surface.

Production tubing = 336 jts 2-3/8" N-80 +1.81F profile nipple in Gudgeon of on/off tool

Perfs: Morrow 10,880-910 (Abandoned)

**CIBP: PBDT Current: 10,870' (+ 35 ft Cmt)****Perfs: Morrow 10,740-770 (36 holes) ACTIVE****Packer: Arrow Set 10,638**



1. Inspect location for Anchors. Install and test anchors if necessary. Identify top tubing spool, pressure rating and size. Should be 7-1/16" 5M?? Inspect gas unit and make repairs if necessary. We will need it in good operating condition for quick turn to sales once flow back services have cleaned up the early sand production.
2. Check Pressures on all casings and report. Check tubing pressure. Record and report all findings to midland. **This job needs a closed system. Steel tanks needed to catch all fluids. NO EARTHEN PITS**
3. MIRU Well Service Unit. Load hole. N/D Tree. N/U BOPE w/ 2-3/8" Rams. Test BOPE. Tree may need to have valve work, greased and be stump tested. Brian will make that determination.
4. Attempt to Release Packer @ 10,638 & POH. Retrieve packer and send in for repairs. **A tubing cut could be necessary in this step if packer or on/off tool cannot be released.**
5. TIH w/ Bit and Scraper on 2-3/8" production tubing testing to **8000 psi** to top of Mrw Perfs @ ± 10,740 ft. POH w/ 2-3/8" Production Tubing.
6. R/U Wireline & Lubricator. Make plug gauge ring/junk basket run. **Set 5.5" CIBP @ ± 10,720 ft. Wireline to cap with 35' cement. Load Casing & Test for casing/plug integrity.**
7. Assuming casing CIBP okay R/U Wireline. **set CIBP & 9270 ft (top of Penn)** Wireline to cap with 35' cement.
8. Wireline. Perforate **Wolfcamp 8584-89 (4 spf)** 90° (20 holes) Spiral phase w/ 3-3/8" Casing Gun using premium Charges
9. RIH w/ redressed double grip service packer + on/off tool on 2-7/8" work string. Spot 2 bbls 15% double inhibited Acid across perforations ± **8584-8,589 ft.** P/U packer & Reverse annulus acid into 2-7/8" tubing. Set Packer @ ± 8,275 ft. Test packer. N/U 2-1/2" Frac valves "Tree". Lock BOP rams for annulus pack off.
10. R/D & Move out WSU. Suggest keeping unit available on location in standby mode.
11. Acidize **perfs 8584-89** w/ total 500 gals 15% HCL NEFE. Record all pressures. Send charts & job summary to office once job is complete. Need ISIP, 5 min, 10 min, 15 min.
12. Frac well down 2-7/8" work String as per attached Wolfcamp (8,584-89') tubing Frac design. Sand off or pack perforations to have Frac gradient differential in upper Wolfcamp.
13. R/U wireline. Make thru tubing dummy run to insure new perf interval is clear. May have to flowback sand if next perf zone (8406-42) is covered. **Perforate Wolfcamp 8,406' to 8,442' thru tubing w/ 1-11/16" zero phase magnetic gun 4 spf using premium charges for maximum penetration. R/D wireline.**
14. Frac well down 2-7/8" work String as per attached Wolfcamp tubing Frac design for **perfs 8,406-42'.**

15. Flow back frac fluids with **all gas going to sales once separator** is functioning and sand has been reduced to minimum.
16. Shut in well upon clean up. MIRU slickline Unit. Set blanking plug in on/off gudgeon. R/D wireline once blanking plug has proved sealed.
17. MIRU well service Unit. N/D Frac Tree. N/U BOPE w/ 2-7/8" rams. Release on/off tool. POH L/D 2-7/8" work string. Redress on/off tool overshot.
18. Change Rams to 2-3/8". RIH w/ on/off tool overshot testing 2-3/8" production tubing to 8000 psi. Tag packer. engage on/off tool. Measure Space out. Release on/off tool. Insert space out subs. Pickle production tubing w/ 500 gals 15% NEFE HCL. Reverse out pickle acid. Displace packer fluid. N/D BOPE. N/U tree. Engage on/off tool. Bolt down Tree. Test hanger
19. MIRU Slick line truck. Retrieve blanking plug in packer gudgeon. R/D wireline.
20. Notify Gas purchaser "Gas Control" that well is ready to produce. Give estimated volumes based on flowback to gas purchaser for meter plate adjustment if necessary.
21. Turn well to Gas Unit for sales test. **Catch Gas Sample.**
22. **Have well tester on duty for 3 days to insure against flow or sand problems.**
- 23.

COA: Set CIBP at 10,330' with 25 sacks of cement; operator can permanently plug 50' above and 50' below the Penn at a later time. Submit new gas capture plan and well bore diagram showing fish in hole and work that has been done as per instruction of Gilbert Cordero, NMNOCD.