

**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

Form C-101  
Revised July 18, 2013

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

NM OIL CONSERVATION  
ARTESIA DISTRICT

MAY 22 2018

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

Operator Name and Address DELAWARE ENERGY, LLC 405 N. MARIENFELD, SUITE 250 MIDLAND, TX 79707		OGRID Number 371195
Property Code 321450		API Number 30-015-10842
Property Name PARDUE 31 COM SWD		Well No. 1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	31	23 S	28 E		990	S	1980	W	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 SWD: DEVONIAN	Pool Code 96101
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Additional Well Information

Work Type E	Well Type S	Cable/Rotary ROTARY	Lease Type P	Ground Level Elevation 3,184'
Multiple N	Proposed Depth 13,900'	Formation DEVONIAN	Contractor TBD	Spud Date 4/15/2018
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/lb	Setting Depth	Sacks of Cement	Estimated TOC
SURFACE	17.5"	13.375"	54.5	500'	450	0'
INTER	12.25"	9.625"	47	9,000'	2500	0'
PROD	8.5"	7.625"	39	12,900'	650	0'

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DOUBLE RAM	5000	5000	CAMERON

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: *Sarah Presley*

Printed name: SARAH PRESLEY

Title: OPERATIONS MANAGER

E-mail Address: S.PRESLEY@DELAWAREENERGY.COM

Date: 3.19.2018

Phone: 432-685-7005

OIL CONSERVATION DIVISION

Approved By:

*Rusty Klem*

Title:

Approved Date: 5-22-18

Expiration Date: 5-22-2020

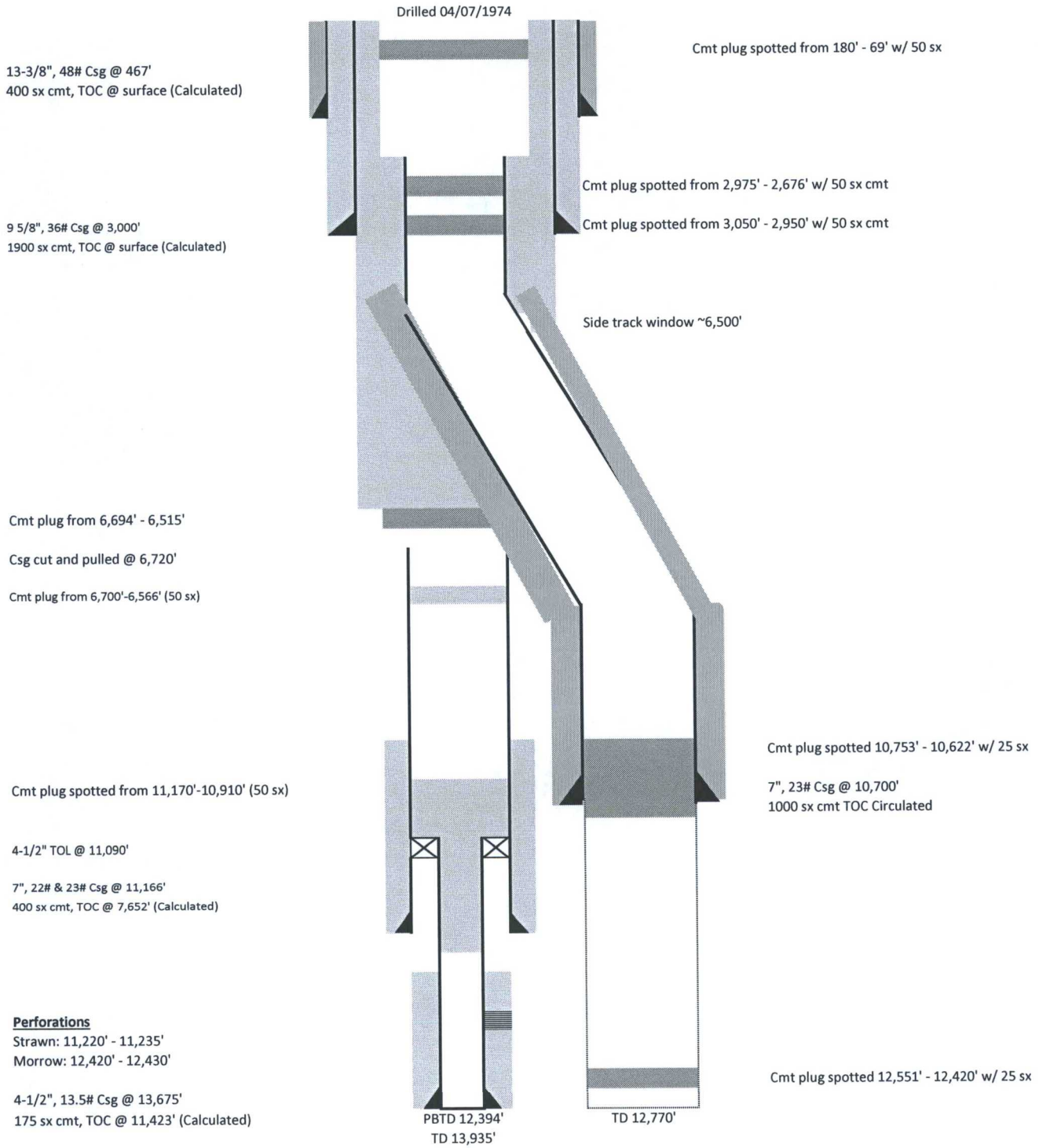
Conditions of Approval Attached

CBL for 5" liner required following the drill out and prior to installing packer / taking set. Furnish copy to appropriate District OED Office.

4/27  
5-22-2018

# Delaware Energy LLC.

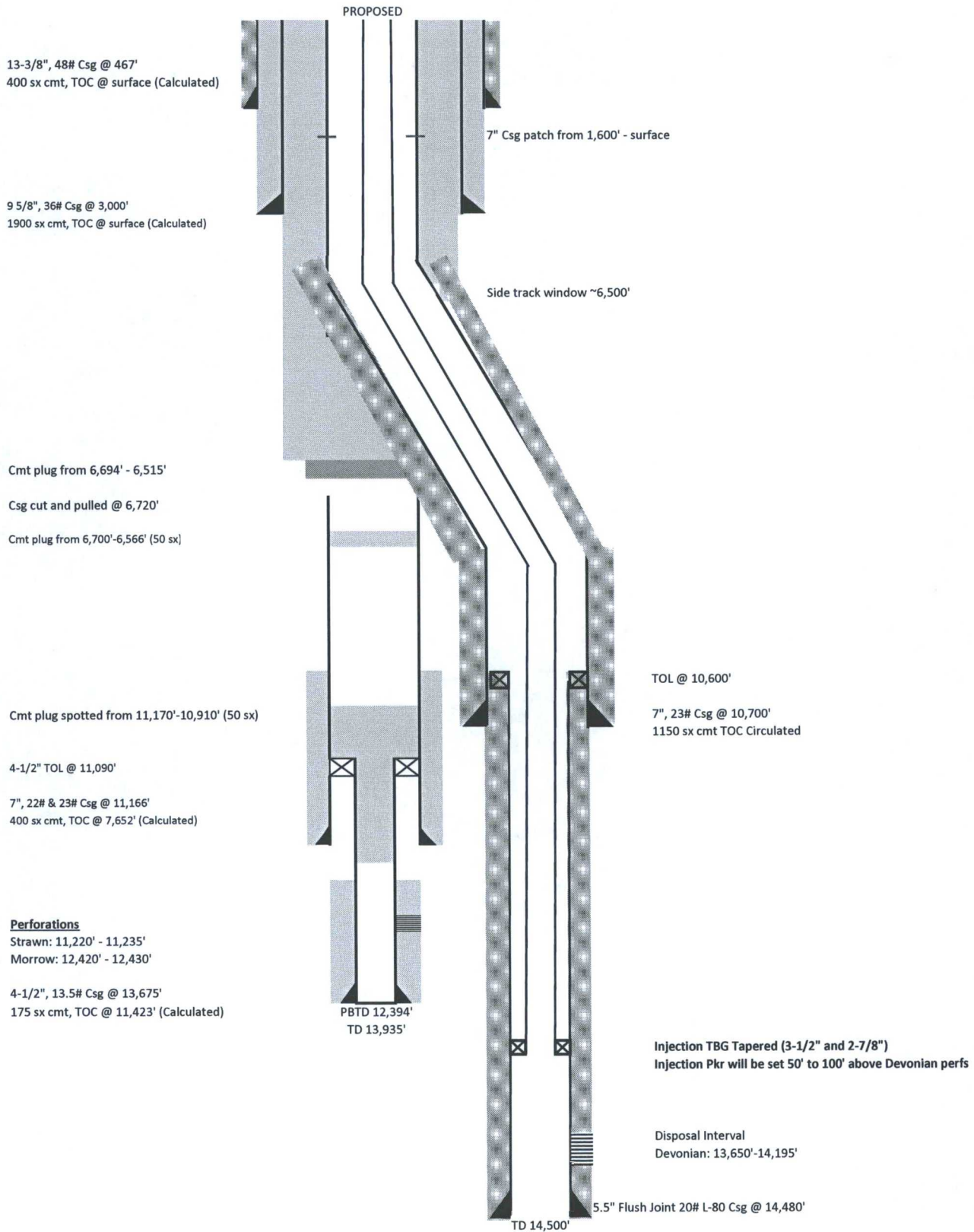
Pardue 31 Com #1  
990' FSL & 1980' FWL, UL N, SEC. 31, T23S R28E, Eddy County, NM  
API # 30-015-10842





## Delaware Energy LLC.

Pardue 31 Com #1  
990' FSL & 1980' FWL, UL N, SEC. 31, T23S R28E, Eddy County, NM  
API # 30-015-10842



PROCEDURE FOR RE-ENTRY AND COMPLETION:

1. R/U WORK OVER UNIT, DRILL OUT SURFACE PLUG FROM 0-188'. TEST CASING TO 500 PSI. DRILL OUT CEMENT PLUGS AT 2,676' AND 2,930' AND CLEAN OUT TO PBTD OF 10,622'. TEST CASING TO 500 PSI AND HOLD FOR 30 MINUTES, RECORD TEST.
2. R/U WIRE LINE AND RUN CEMENT BOND LOG FROM 10,622' TO 1,600' AND DETERMINE TOP OF CEMENT IN 7" BY 9-5/8" ANNULUS
3. DRESS OFF 7" STUB IN PREPARATION FOR 7" CASING PATCH.
4. IF CEMENT TOP IS DETERMINED TO BE WITHIN 50FT FROM 7" CASING STUB, SHOOT SQUEEZE HOLES AT CEMENT TOP PRIOR TO RUNNING CASING PATCH. SQUEEZE HOLES WILL BE USED TO CIRCULATE CEMENT FOLLOWING INSTALLATION OF CASING PATCH
5. RUN CASING PATCH AND CEMENT 7" BY 9-5/8" ANNULUS TO SURFACE. TEST CASING TO 500 PSI AND HOLD FOR 30 MINUTES, RECORD TEST.
6. CONTINUE DEEPENING, CLEAN OUT TO 12,70' AND DEEPEN TO DEVONIAN TO A DEPTH OF 14,500'. RUN 5" LINER FROM 14,500' TO 16,600', AND CEMENT LINER TOP.