

Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-43422
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Quail 16 State SWD
8. Well Number 009
9. OGRID Number 332947
10. Pool name or Wildcat SWD; DEVONIAN 96101
4. Well Location Unit Letter N : 1050 feet from the South line and 2230 feet from the West line Section 16 Township 20S Range 34E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3637 GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Avant Operating II, LLC

3. Address of Operator
1515 Wynkoop Street, Suite 700. Denver, CO 80202.

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☒	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- Pull existing 4-1/2" L-80 IPC tubing string.
- Mill and retrieve existing production packers.
- Perform cleanout run.
- Set new production packer @ ≈14,650'
- Run new 5" 18# P-110 HC CT-SWD P700 IPC injection string.
- Perform MIT.
- Pump acid job with rock salt diversion.
- Return well back to injection.

Spud Date:

10/15/2016

Rig Release Date:

1/9/2017

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

SIGNATURE  TITLE **Contract Regulatory Analyst** DATE **11/25/2025**

Type or print name **Meghan Twele** E-mail address: **mtwele@outlook.com** PHONE: **720-339-6880**

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



OILFIELD MANUFACTURING & SUPPLY

P700

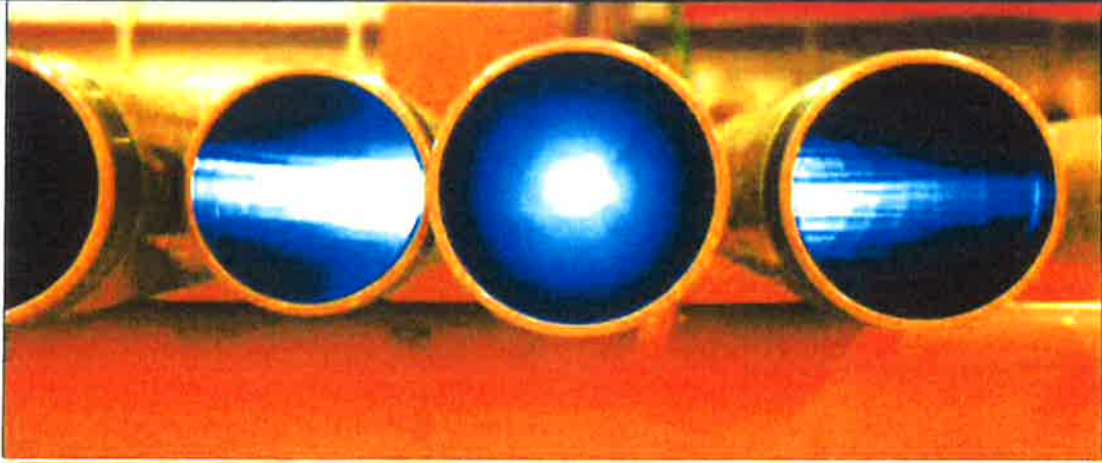
OCTG

P700 is a thermoset epoxy powder coating designed for protecting the inside surface of pipe for use in multiple applications in the Oil & Gas Industry. P700 provides corrosion and chemical resistance against CO₂, Salt Water, as well as Sour Corrosive Environments. It is also highly flexible which enhances its ability to protect against mechanical wear.

Recommended Service: H₂O Injection, ESP Production, Rod Pump Production, CO₂ (WAG) Injection, and Salt Water Disposal.

Physical Properties and Performance

Type	Epoxy
Color	Tan
Temperature	255° F
Applied Thickness	10 – 20 mil
Primary Application	New & Used Tubing / Casing



Product Highlights:

*Excellent Adhesion
Excellent Corrosion Resistance
Excellent Flexibility*

Coating Capabilities:

*New & Used Tubing - 2 1/16" – 3 1/2"
New & Used Casing - 4 1/2" – 7 5/8"*

Petrosmith Coating Plant

7435 US Highway 277 S. Abilene TX, 79606

(325) 695-1301



OILFIELD MANUFACTURING & SUPPLY

P800

OCTG and Drill Pipe

P800 Green is a 100% solids, thermosetting Novolac powder coating designed for protecting tubing in the most severe corrosion environments such as High Temperatures and Sour Service. P800 provides corrosion and chemical resistance against CO₂, Salt Water, as well as H₂S Corrosion. It also has a high abrasion resistance which enhances its ability to protect against mechanical wear.

Recommended Service: H₂O Injection, ESP Production, Rod Pump Production, and Salt Water Disposal.

Physical Properties and Performance

Type	Cresol-Novolac
Color	Green
Temperature	300° F
Applied Thickness	10 – 20 mil
Primary Application	New & Used Tubing



Product Highlights:

*High Operating Temperatures
Excellent Corrosion Resistance
Hydraulic Improvement*

Coating Capabilities:

*New & Used Tubing - 2 3/8" – 3 1/2"
New & Used Casing - 4 1/2" – 7 5/8"*

Petrosmith Coating Plant

7435 US Highway 277 S. Abilene TX, 79606

(325) 695-1301

Comparative Analysis of Commonly Used Coatings							
PETROSMITH TUBOSCOPE PERMIAN ENTERPRISE	P700	TK-505/TK-70	IPC1505	P800	TK-15	IPC1850	P-11 TK-99 IPC101
COATING DESCRIPTION	CORROSION WATER AND OIL MIXTURE	SAME	SAME	HIGH TEMP, SOUR SERVICE, PROTECTIVE COATING	SAME	SAME	HIGH FLEXIBILITY FOR CO2 INJECTION AND RECOVERY PROJECTS
TYPE	POWDER- EPOXY	SAME	SAME	POWDER- CRESOL NOVOLAC	POWDER- MODIFIED NOVOLAC	SAME	POWDER- NYLON
COLOR	TAN	MAROON	TAN	GREEN	DARK GREEN	GREEN	BLACK
TEMPERATURE	UP TO 250 F (121 C)	UP TO 225 F (107 C)	UP TO 250 F (121 C)	UP TO 300 F (149 C)	SAME	SAME	UP TO 225 F (107 C)
APPLIED THICKNESS	15-18 MILS	10-20 MILS		15-18 MILS	10-18 MILS	10-18 MILS	UP TO 200F (93 C)
PRESSURE	UP TO YIELD STRENGTH OF PIPE	SAME	SAME	UP TO YIELD STRENGTH OF PIPE	UP TO YIELD STRENGTH	UP TO YIELD STRENGTH	UP TO YIELD STRENGTH
PRIMARY SERVICE	SUBSURFACE CO2 AND WATER HANDLING SYSTEMS, SALT SOLUTIONS, CRUDE OIL, MILD MINERAL ACIDS	SAME	SAME	CO2, FRESH WATER AND SALT WATER, OIL AND GAS SERVICE UP TO 300 F, AND ROD PUMP APPLICATIONS	CO2, FRESH AND SALT WATER, OIL AND GAS SERVICE UP TO 225 F, ROD PUMP APPLICATIONS, UP TO 20% HCL	SAME	SAME
PRIMARY APPLICATION	PRODUCTION TUBING, WATER AND CO2 INJECTION, SALT WATER DISPOSAL, FLOWLINES, MANIFOLDS, SPOOLS	SAME	SAME	ROD PUMP PRODUCTION TUBING, H2O & CO2 INJECTION, SOUR PRODUCTION, HIGH TEMP	PRODUCTION TUBING H2O & CO2 INJECTION, SALT WATER DISPOSAL	SAME	SAME

ALL COATINGS PROVIDE A SMOOTH AND CONSISTANT SURFACE FINISH ALLOWING FOR IMPROVED FLOW DYNAMICS THAT CAN MAXIMIZE PRODUCTIVITY
 THIS CHART IS A GUIDE INTENDED FOR COATING COMPARISON ONLY. PLEASE CONTACT A PETROSMITH REPRESENTATIVE FOR FURTHER INFORMATION



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PETROSMITH
7435 US HWY 277 S
ABILENE, TX 79606
325.695.1301



EZGO™ Connection Data Sheet

Your Requirements

Pipe Size (OD): 5 in Weight: 18 lb/ft Grade: P-110 Connection: EZGO™ CTSWD

Material

Grade	P-110
Minimum Yield Strength	110,000 psi
Minimum Ultimate Strength	125,000 psi

Pipe Dimensions

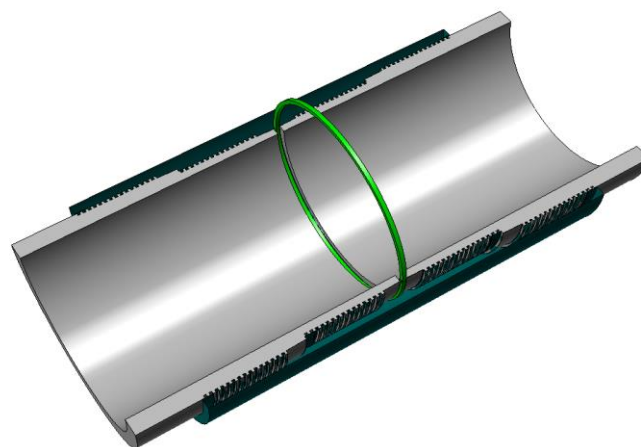
Nominal OD	5 in
Nominal ID	4.276 in
Nominal Wall Thickness	0.362 in
Nominal Weight	18 lbs/ft
Plain End Weight	17.95 lbs/ft
Nominal Pipe Body Area	5.275 sq in

Pipe Body Performance

Minimum Pipe Body Yield Strength	580,000 lbs
Minimum Collapse Pressure	13,470 psi
Minimum Internal Yield Pressure	13,940 psi
Hydrostatic Test Pressure	12,700 psi

Torque Values

Minimum Final Torque	4,706 ft-lbs
Maximum Final Torque	8,350 ft-lbs
Operational Max	7,069 ft-lbs



EZGO™ Connection Dimensions

Connection OD	5.5 in
Connection ID	4.226 in
Connection Drift Diameter	4.151 in
Make-Up Loss	4.24 in
Joint Efficiency	80%

EZGO™ Connection Performance

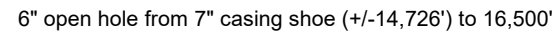
Joint Strength	464,000 lbs
Compression Rating	464,000 lbs
Collapse Pressure Rating	13,470 psi
Internal Pressure Resistance	13,937 psi
Maximum Uniaxial Bend Rating	35.9°/100 ft



Discover How EZGO™ Connections Can Help Optimize Your Drilling.
www.ezgoconnections.com

KB: 3661.7'

1 – 3-15/16" SS seal assembly w/ 5" no go collar 3" ID (new)	3.07	14681.28
1 – 4-7/16" SS "F" profile nipple (new)	0.89	14680.39
1 – 5-1/2" OD SS 4-1/2" EUE x 3-1/2 EUE x-over sub (new)	0.62	14679.77
47 – 4.5" 12.75# L80 ERW EUE 8rd R2 NIKO Smls w/ TIPC IC 85ST tubing (new)	1493.29	13186.48
53 – 4.5" 12.75# L80 EUE 8rd R2 NIKO Smls w/ IPC 1850 (new)	1716.6	11469.88
350 – 4.5" 12.75# ERW EUE 8rd L80 R2 Belleville w/ IC1850AR IPC tubing (new)	11429.11	40.77
1 – 4.5" 12.75# ERW EUE 8rd L80 R1 Tejas w/ IPC 85ST tubing sub (new)	10.07	30.70
1 – 4.5" 12.75# ERW EUE 8rd L80 R2 Belleville w/ IC1850AR IPC tubing (new)	32.7	-2.00
Total	14686.35	
KB	23	
Total	14709.35	



AFE:

LCNM001

API: 30-025-43422

REGULATORY: NM State

PERMIT #

RIG: AWS

KB:

GL: 3637'

AVANT

NATURAL RESOURCES

Quail 16 State SWD #009

Devonian

Lea County, NM

Sec. 16, T-20S, R-34E; 1050 FSL, 2330 FWL

SHL: Lat: 32.56877323, Long: -103.5662994 (NAD83)

HOLE SIZE	MD	FORMATION	TVD	MUD	CASING	CEMENT	SPECIAL INSTRUCTIONS
17 1/2 "	120	20" Conductor	120		13 3/8 "		Circ cement to surface is a NMOCD requirement
		Rustler			48# H-40 STC 0-1122'		Casing must be set 25' into the Rustler
	1,650	SURF CSG PT	1,650		54.5# J-55 STC 1122' - 1650'		MUD: Fresh water only
12 1/4 "	3,846	Solado Yates DV TOOL & PACKER Capitan Reef	3,846		9 5/8 "		Circ cement to surface is a NMOCD requirement
		Cherry Canyon			40# K-55 HC LTC 0 - 4307'		
	5,191	INTRM CSG PT	5,191		40# K-55 HC BTC 4307' - 5191'		
8 1/2 "	5,208	DV TOOL & PACKER	5,208		PRODUCTION CASING 7 "		INJECTION STRING ITEMS: 5" 18# P-110 HC CT-SWD JNTS 3-1/2" PIN X 5" CT-SWD BOX X-OVER 3-1/2" X 2.81F SS NIPPLE 3-1/2" SS SEAL ASSY 7" X 4" NP SINGLE BORE PERMA PAK 3-1/2" x 4' FG SUB 3-1/2" x 2.81R SS NIPPLE 3-1/2" SS W/L ENTRY GUIDE
	10,186	DV TOOL & PACKER	10,186		26# N-80 LTC 0 - 11745'		
					29# L-80 HC LTC 11745' - 14726'		
	14,650	PRODUCTION PACKER	14,650		INJECTION STRING 5 "		
	14,726	INTRM CSG PT	14,726		18# P-110 HC CT-SWD P700 IPC 0 - 14650'		
	16,500	6" OPEN HOLE TD	16,500				Est BHST = 230°F, Est BHCT = 213°F
	MD	INC	INC	DIRECTIONAL PLAN TVD	ANNOTATION		
PRELIMINARY							

DIRECTIONS TO LOCATION:

Drilling Engineer: Ryan Harris

Quail 16 State SWD #009 (AWS)

Date: 10/13/2025

Released to Imaging: 1/26/2026 2:59:41 PM

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

COMMENTS

Action 529879

COMMENTS

Operator: Avant Operating II, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 332947
	Action Number: 529879
	Action Type: [C-103] NOI Workover (C-103G)

COMMENTS

Created By	Comment	Comment Date
pgoetze	Operator proposes upsizing of tubing from 4.5-inch diameter to 5-inch diameter.	12/5/2025
pgoetze	Fasken workover in 2023 shows prior packer left in hole and second packer to set tubing. Current WBD not accurate. Order has 4.5-inch limit on tubing size.	12/11/2025

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1220 S. St Francis Dr.
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CONDITIONS

Action 529879

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Operator: Avant Operating II, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 332947
	Action Number: 529879
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	Approved in Conjunction with Sundry 541526 Tubing Upsize. Follow all Conditions of Approval as outlined in 541526.	1/26/2026
anthony.harris	Packer to be set within 100 feet of the top of openhole section.	1/26/2026