Sundry Print Reports 10/06/2023

County or Parish/State: LEA /

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Well Name: FIGHTING OKRA 18-19 Well Location: T26S / R34E / SEC 18 /

FED NENW / 32.0493765 / -103.5123721

Well Number: 24H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM114992 Unit or CA Name: Unit or CA Number:

US Well Number: 3002547579 **Well Status:** Approved Application for **Operator:** DEVON ENERGY

Permit to Drill PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2748952

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 08/31/2023 Time Sundry Submitted: 11:46

Date proposed operation will begin: 08/31/2023

Procedure Description: Devon Energy Production Company L.P. respectfully requests the following changes to the approved APD: SHL change from 480 FNL & 1600 FWL to 230 FNL & 1630 FWL, both 18-26S-34E BHL change from 20 FLS & 2300 FEL to 20 FSL & 1501 FWL, both 19-26S-34E Pool Code change from 97892 WC-025 G-06 S263407P;UPR BONE SPRING to 98347 WC-025 G-10 S263418C;LWR WOLFCAMP Dedicated acreage change from 320 acs to 640 acs. TVD/MD change from 9830'/20014' to 13325'/23585' Casing program change: Surface, Intermediate, and Production Casing size changes. Cement volume changes to accommodate casing change. Please see attached revised C-102 and drilling & directional plans.

NOI Attachments

Procedure Description

5.5_17lb_P110RY_DWC_C_20230831111425.pdf

8.625_32lb_P110EC_SPRINT_FJ_VST_20230831111426.pdf

10.750_40.50lb_H40_20230831111426.pdf

FIGHTING_OKRA_18_19_FED_24H_20230831111302.pdf

FIGHTING_OKRA_18_19_FED_24H_Directional_Plan_08_30_23_20230831111302.pdf

FIGHTING_OKRA_18_19_FEDERAL_24H_C_102_BHL_NOI_20230831111304.pdf

eived by OCD: 10/6/2023 9:02:20 AM Well Name: FIGHTING OKRA 18-19

FED

Well Location: T26S / R34E / SEC 18 /

NENW / 32.0493765 / -103.5123721

County or Parish/State: LEA/

NM

Well Number: 24H

Type of Well: OIL WELL

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Unit or CA Number:

US Well Number: 3002547579

Well Status: Approved Application for

Permit to Drill

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional

18 26 34 C Sundy ID 2748952 Fighting Okra 18 19 Fed 24H 20230921121224.pdf

Fighting_Okra_18_19_Fed_24H_Dr_COA_Sundry_ID_2748952_20230921121223.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: REBECCA DEAL Signed on: AUG 31, 2023 11:15 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Analyst

Street Address: 333 W SHERIDAN AVE

City: OKLAHOMA CITY State: OK

Phone: (303) 299-1406

Email address: REBECCA.DEAL@DVN.COM

Field

Representative Name:

Street Address:

City:

Phone:

Email address:

BLM Point of Contact

Signature: Chris Walls

BLM POC Name: CHRISTOPHER WALLS BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234 BLM POC Email Address: cwalls@blm.gov

Disposition: Approved Disposition Date: 10/04/2023

State:

Page 2 of 2

Zip:

Fighting Okra 18-19 Fed 24H

Table	10 3/4	surfa	ice csg in a	14 3/4	inch hole.		<u>Design</u>	Factors			Surface			
Size	Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
Wilder March Mar	"A"	40.50		h 40	btc	13.93	3.67	0.33	810	6	0.55	6.93	32,805	
Size Volume Comparison Proposed to Minimum Required Cement Volumes Islage Min 1 Stage Drilling Calc Regrid Min 1 Stage Volume Cmt Sx CuFt Cmt CuFt N. Excess Mud Wit MASP BOPE Hole-Co L4 3/4 0.5563 4.94 711 4.51 58 9.00 4120 5M 2.00 2.00	"B"				btc				0				0	
Size Volume Cmt Sx Cuft Cmt Cuft Cuft		w/8.4#/g	mud, 30min Sfc Csg Test	t psig: 1,243	Tail Cm	does not	circ to sfc.	Totals:	810				32,80	
Size Volume Cmt Sx CuFCmt CuFt St. Excess Mud Wit MASP BOPE Holo-Co	omparison o	of Proposed to Min	imum Required Ceme	ent Volumes										
14 3/4 0.5563 4.94 7.11 4.51 5.8 9.00 4.120 5M 2.00	Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Reg'd				Min Dis	
14 3/4 0.5663 494 711 451 58 9.00 4120 5M 2.00	Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp	
Second S	14 3/4	0.5563	494	711	451	58	9.00	4120	5M				2.00	
Segment	urst Frac Grad	dient(s) for Segment	c(s) A, B = , b All > 0.	.70, OK.										
Segment														
"A" 32.00 p 110 vam sprint fj 1.84 0.58 0.98 12.660 1 1.65 0.97 405.1 "B"		,	,	10 3/4										
### w/8.44/g mud, 30min Sfc Csg Test psig: 519	Segment		Grade				•		•	_	-		Weigh	
W/8.4#/g mud, 30min StC Csg Test psig: 519		32.00		p 110	vam sprint fj	1.84	0.58	0.98	,	1	1.65	0.97	405,12	
The cement volume(s) are intended to achieve a top of the form surface or a set of food with the following care intended to achieve a top of size wolume 1 Stage Min 1 Stage Drilling Calc Req'd Min Drilling Calc Casing Casin	"B"								0				0	
Hole Annular 1 Stage 1 Stage Min 1 Stage Min MASP BOPE Mud Wit MASP BOPE Min Min MASP BOPE Min Min Masp Min Masp		w/8.4#/g	mud, 30min Sfc Csg Test	t psig: -519				Totals:	12,660				405,12	
Size Volume Cmt Sx Cupt Cmt Cupt Stage Coupling Coupling			The cement v	volume(s) are intend	led to achieve a top of	0	ft from su	rface or a	810				overlap.	
9 7/8 0.1261 895 2076 1612 29 10.50 4337 5M 0.66 > V Tool(s):	Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dis	
V Tool(s):	Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp	
	9 7/8	0.1261	895	2076	1612	29	10.50	4337	5M				0.61	
Segment Segm	O V Tool(s):							sum of sx	Σ CuFt				Σ%exce	
Tail cmt Stage Size Volume Cmt Sx CuFt Cmt Cu Pit Min Size Volume Factors Coupling Min Size Volume Min Masp Min Masp Min Mi	oy stage %:		#VALUE!	#VALUE!				895	2076				29	
Tail cmt S 1/2 Casing inside the 8 5/8 Coupling Joint Collapse Burst Length B@s a-B a-C Weig Coupling Joint Collapse Burst Length B@s a-B a-C Weig Collapse Collapse Burst Length B@s a-B a-C Weig Collapse Collapse Collapse Burst Length B@s a-B a-C Weig Collapse Collap	class 'H' tail cm	nt yld > 1.20												
Stage														
Stage	Burst Frac Grad	dient(s) for Segment	(s): A, B, C, D = 0.56, b	b, c, d <0.70 a Probl	em!!									
Segment		dient(s) for Segment	c(s): A, B, C, D = 0.56, b	b, c, d <0.70 a Probl	em!!									
"A" 17.00 p 110 dwc/c is+ 2.41 1.03 1.46 23,585 1 2.45 1.72 400,9 "B"	Tail cmt				em!!		Design Fa	ctors			Prod 1			
"B"	Tail cmt 5 1/2	casing	g inside the			Joint			Length	B@s		a-C	Weigh	
"C"	Tail cmt 5 1/2 Segment	casing #/ft	g inside the	8 5/8	Coupling		Collapse	Burst	_	_	а-В			
No	Tail cmt 5 1/2 Segment "A"	casing #/ft	g inside the	8 5/8	Coupling		Collapse	Burst	23,585	_	а-В		400,94	
W/8.4#/g mud, 30min Sfc Csg Test psig: 2,932	Tail cmt 5 1/2 Segment "A" "B"	casing #/ft	g inside the	8 5/8	Coupling		Collapse	Burst	23,585 0	_	а-В		400,94 0	
The cement volume(s) are intended to achieve a top of 12460 ft from surface or a 200 200 200 200 200	Tail cmt 5 1/2 Segment "A" "B" "C"	casing #/ft	g inside the	8 5/8	Coupling dwc/c is+		Collapse	Burst	23,585 0 0	_	а-В		400,94 0 0	
Hole Annular 1 Stage 1 Stage CuFt Cmt Cu Ft % Excess Mud Wt MASP BOPE Hole-Co	Tail cmt 5 1/2 Segment "A" "B" "C"	casing #/ft 17.00	y inside the Grade	8 5/8 p 110	Coupling dwc/c is+		Collapse	Burst 1.46	23,585 0 0 0	_	а-В		400,94 0 0 0	
Size Volume Cmt Sx CuFt Cmt Cu Ft % Excess Mud Wt MASP BOPE Hole-Co	Tail cmt 5 1/2 Segment "A" "B" "C"	casing #/ft 17.00	g inside the Grade mud, 30min Sfc Csg Test	8 5/8 p 110 t psig: 2,932	Coupling dwc/c is+	2.41	Collapse 1.03	Burst 1.46 Totals:	23,585 0 0 0 23,585	_	а-В		400,94 0 0 0 400,94	
7 7/8	Tail cmt 5 1/2 Segment "A" "B" "C" "D"	casing #/ft 17.00 w/8.4#/g	g inside the Grade mud, 30min Sfc Csg Test The cement v	8 5/8 p 110 t psig: 2,932 volume(s) are intend	Coupling dwc/c is+	2.41	Collapse 1.03	Burst 1.46 Totals:	23,585 0 0 0 23,585 200	_	а-В		400,94 0 0 0 400,94 overlap.	
#N/A 0 5 1/2 <u>Design Factors</u> <choose casing=""> Segment #/ft Grade Coupling #N/A Collapse Burst Length B@s a-B a-C Weig "A" 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</choose>	Tail cmt 5 1/2 Segment "A" "B" "C" "D"	casing #/ft 17.00 w/8.4#/g	g inside the Grade mud, 30min Sfc Csg Test The cement v 1 Stage	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage	Coupling dwc/c is+ 0 led to achieve a top of	2.41 12460 1 Stage	ft from su Drilling	Burst 1.46 Totals: rface or a Calc	23,585 0 0 0 23,585 200 Req'd	_	а-В		400,94 0 0 0 400,94 overlap. Min Dis	
#N/A 0	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size	casing #/ft 17.00 w/8.4#/g Annular Volume	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft	12460 1 Stage % Excess	ft from su Drilling Mud Wt	Burst 1.46 Totals: rface or a Calc	23,585 0 0 0 23,585 200 Req'd	_	а-В		400,94 0 0 400,94 overlap. Min Dis	
Segment	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft	12460 1 Stage % Excess	ft from su Drilling Mud Wt	Burst 1.46 Totals: rface or a Calc	23,585 0 0 0 23,585 200 Req'd	_	а-В		400,94 0 0 0 400,94 overlap. Min Dis	
Segment	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft	12460 1 Stage % Excess	ft from su Drilling Mud Wt	Burst 1.46 Totals: rface or a Calc	23,585 0 0 0 23,585 200 Req'd	_	а-В		400,94 0 0 400,94 overlap. Min Dis	
Segment	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 class 'C' tail cm	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft	12460 1 Stage % Excess	ft from su Drilling Mud Wt	Burst 1.46 Totals: rface or a Calc	23,585 0 0 0 23,585 200 Req'd	_	а-В		400,94 0 0 400,94 overlap. Min Dis	
"A"	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 class 'C' tail cm	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft	12460 1 Stage % Excess	ft from su Drilling Mud Wt 10.50	Totals: rface or a Calc MASP	23,585 0 0 0 23,585 200 Req'd	1	a-B 2.45	1.72	0 0 400,94 overlap. Min Dis Hole-Cp	
"B" 0.00 0 <th col<="" td=""><td>Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 Class 'C' tail cm</td><td>casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 attyld > 1.35</td><td>mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549</td><td>8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445</td><td>Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928</td><td>2.41 12460 1 Stage % Excess 27</td><td>ft from su Drilling Mud Wt 10.50</td><td>Totals: rface or a Calc MASP</td><td>23,585 0 0 23,585 200 Req'd BOPE</td><td>1</td><td>a-B 2.45</td><td>1.72</td><td>400,94 0 0 0 400,94 overlap. Min Dis Hole-Cp 0.91</td></th>	<td>Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 Class 'C' tail cm</td> <td>casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 attyld > 1.35</td> <td>mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549</td> <td>8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445</td> <td>Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928</td> <td>2.41 12460 1 Stage % Excess 27</td> <td>ft from su Drilling Mud Wt 10.50</td> <td>Totals: rface or a Calc MASP</td> <td>23,585 0 0 23,585 200 Req'd BOPE</td> <td>1</td> <td>a-B 2.45</td> <td>1.72</td> <td>400,94 0 0 0 400,94 overlap. Min Dis Hole-Cp 0.91</td>	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 Class 'C' tail cm	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 attyld > 1.35	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928	2.41 12460 1 Stage % Excess 27	ft from su Drilling Mud Wt 10.50	Totals: rface or a Calc MASP	23,585 0 0 23,585 200 Req'd BOPE	1	a-B 2.45	1.72	400,94 0 0 0 400,94 overlap. Min Dis Hole-Cp 0.91
w/8.4#/g mud, 30min Sfc Csg Test psig: Cmt vol calc below includes this csg, TOC intended #N/A ft from surface or a #N/A overlap. Hole Annular 1 Stage 1 Stage Min 1 Stage Drilling Calc Req'd Min D Size Volume Cmt Sx CuFt Cmt Cu Ft % Excess Mud Wt MASP BOPE Hole-C	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 class 'C' tail cm #N/A 0 Segment	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 attyld > 1.35	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928 Coupling	2.41 12460 1 Stage % Excess 27	ft from su Drilling Mud Wt 10.50	Totals: rface or a Calc MASP	23,585 0 0 0 23,585 200 Req'd BOPE	1	a-B 2.45	1.72	400,94 0 0 400,94 overlap. Min Dis Hole-Cp 0.91	
Cmt vol calc below includes this csg, TOC intended #N/A ft from surface or a #N/A overlap. Hole Annular 1 Stage 1 Stage Min 1 Stage Drilling Calc Req'd Min D Size Volume Cmt Sx CuFt Cmt Cu Ft % Excess Mud Wt MASP BOPE Hole-C	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 class 'C' tail cm #N/A 0 Segment "A"	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 attyld > 1.35	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928 Coupling 0.00	2.41 12460 1 Stage % Excess 27	ft from su Drilling Mud Wt 10.50	Totals: rface or a Calc MASP	23,585 0 0 23,585 200 Req'd BOPE	1	a-B 2.45	1.72	400,94 0 0 400,94 overlap. Min Dis Hole-Cr 0.91	
Hole Annular 1 Stage Min 1 Stage Drilling Calc Req'd Min D Size Volume Cmt Sx CuFt Cmt Cu Ft % Excess Mud Wt MASP BOPE Hole-C	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 class 'C' tail cm #N/A 0 Segment "A"	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 at yld > 1.35	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928 Coupling 0.00	2.41 12460 1 Stage % Excess 27	ft from su Drilling Mud Wt 10.50	Totals: rface or a Calc MASP Factors Burst	23,585 0 0 23,585 200 Req'd BOPE	1	a-B 2.45	1.72	400,94 0 0 400,94 overlap. Min Dis Hole-Cr 0.91	
Size Volume Cmt Sx CuFt Cmt Cu Ft % Excess Mud Wt MASP BOPE Hole-C	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 class 'C' tail cm #N/A 0 Segment "A"	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 at yld > 1.35	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549 Grade	8 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445 5 1/2	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928 Coupling 0.00 0.00	2.41 12460 1 Stage % Excess 27 #N/A	ft from su Drilling Mud Wt 10.50	Totals: rface or a Calc MASP Factors Burst Totals:	23,585 0 0 23,585 200 Req'd BOPE Length 0 0	1	a-B 2.45	1.72	400,94 0 0 400,94 overlap. Min Dis Hole-Cp 0.91	
	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7/8 Class 'C' tail cm #N/A 0 Segment "A" "B"	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 atyld > 1.35 #/ft	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549 Grade	s 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445 5 1/2	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928 Coupling 0.00 0.00 his csg, TOC intended	2.41 12460 1 Stage % Excess 27 #N/A	ft from su Drilling Mud Wt 10.50 Design Collapse	Totals: rface or a Calc MASP Factors Burst Totals:	23,585 0 0 23,585 200 Req'd BOPE Length 0 0 #N/A	1	a-B 2.45	1.72	400,94 0 0 400,94 overlap. Min Di Hole-Cp 0.91 Weigl 0 0 overlap.	
0 #N/A #N/A 0 #N/A	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 Class 'C' tail cm #N/A 0 Segment "A" "B"	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 attyld > 1.35 #/ft w/8.4#/g Annular	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549 Grade mud, 30min Sfc Csg Test Cmt vol ca	s 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445 51/2 t psig: alc below includes ti 1 Stage	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928 Coupling 0.00 0.00 his csg, TOC intended Min	2.41 12460 1 Stage % Excess 27 #N/A #N/A	ft from su Drilling Mud Wt 10.50 Design Collapse ft from su Drilling	Totals: rface or a Calc MASP Factors Burst Totals: rface or a Calc	23,585 0 0 23,585 200 Req'd BOPE Length 0 0 #N/A Req'd	1	a-B 2.45	1.72	400,94 0 0 0 400,94 overlap. Min Dis Hole-Cp 0,91 Weigh 0 0 overlap. Min Dis	
	Tail cmt 5 1/2 Segment "A" "B" "C" "D" Hole Size 7 7/8 class 'C' tail cm #N/A 0 Segment "A" "B" Hole Size	casing #/ft 17.00 w/8.4#/g Annular Volume 0.1733 attyld > 1.35 #/ft w/8.4#/g Annular	mud, 30min Sfc Csg Test The cement v 1 Stage Cmt Sx 1549 Grade mud, 30min Sfc Csg Test Cmt vol ca 1 Stage Cmt Sx	s 5/8 p 110 t psig: 2,932 volume(s) are intend 1 Stage CuFt Cmt 2445 5 1/2 t psig: alc below includes t 1 Stage CuFt Cmt	Coupling dwc/c is+ 0 led to achieve a top of Min Cu Ft 1928 Coupling 0.00 0.00 his csg, TOC intended Min Cu Ft	2.41 12460 1 Stage % Excess 27 #N/A #N/A 1 Stage % Excess	ft from su Drilling Mud Wt 10.50 Design Collapse ft from su Drilling	Totals: rface or a Calc MASP Factors Burst Totals: rface or a Calc	23,585 0 0 23,585 200 Req'd BOPE Length 0 0 #N/A Req'd	1	a-B 2.45	1.72	400,94 0 0 400,94 overlap. Min Di Hole-Cp 0.91 Weigl 0 0 overlap.	

Carlsbad Field Office 9/21/2023

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: Devon Energy Production Company LP

LEASE NO.: | NMNM114992

LOCATION: | Section 18, T.26 S., R.34 E., NMPM

COUNTY: Lea County, New Mexico

WELL NAME & NO.: | Fighting Okra 18-19 Fed 24H

SURFACE HOLE FOOTAGE: 230'/N & 1630'/W **BOTTOM HOLE FOOTAGE** 20'/S & 1501'/W

ATS/API ID: 3002547579 APD ID: 10400056516 Sundry ID: 2748952

COA

H2S	Yes		
Potash	None		
Cave/Karst Potential	Low		
Cave/Karst	☐ Critical		
Potential			
Variance	☐ None	Flex Hose	C Other
Wellhead	Conventional and Multibov	vI 🔻	
Other	□4 String	Capitan Reef	□WIPP
		None ▼	
Other	Pilot Hole	☐ Open Annulus	
	None 🔻		
Cementing	Contingency Squeeze	Echo-Meter	Primary Cement
	Int 1	None -	Squeeze
			None +
Special	□ Water	□ СОМ	□ Unit
Requirements	Disposal/Injection		
Special	☐ Batch Sundry		
Requirements			
Special	☐ Break Testing	□ Offline	□ Casing
Requirements		Cementing	Clearance
Variance			

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Wolfcamp** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

- 1. The 10-3/4 inch surface casing shall be set at approximately 810 feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be 14 3/4 inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

- 2. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down 10-3/4" X 8-5/8" annulus after primary cementing stage. Operator must run a CBL from TD of the 8-5/8" casing to surface. Submit results to the BLM.

If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

Production casing must be kept fluid filled to meet BLM minimum collapse requirement.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 8-5/8 inch intermediate casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 10-3/4 inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

(575) 361-2822

- Eddy County

 EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

 BLM_NM_CFO_DrillingNotifications@BLM.GOV
- Lea County
 Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981
- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43** CFR part **3170** Subpart **3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a

digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- B. PRESSURE CONTROL
- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after

installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to 43 CFR part 3170 Subpart 3172 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per 43 CFR

part 3170 Subpart 3172.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

LVO 9/21/2023

Technical Specifications

Connection Type:	Size(O.D.):	weight (wall):	Grade:	
DWC/C Casing	5-1/2 in	17.00 lb/ft (0.304 in)	P-110RY	
standard				

	Material	
P-110RY	Grade	
110,000	Minimum Yield Strength (psi)	USA
125,000	Minimum Ultimate Strength (psi)	VAM-USA
		4424 W. Sam Houston Pkwy. Suite 150
5 5 00	Pipe Dimensions	Houston, TX 77041 Phone: 713-479-3200
5.500	Nominal Pipe Body O.D. (in)	Fax: 713-479-3234
4.892	Nominal Pipe Body I.D.(in)	E-mail: <u>VAMUSAsales@vam-usa.com</u>
0.304 17.00	Nominal Wall Thickness (in) Nominal Weight (lbs/ft)	
16.89	Plain End Weight (lbs/ft)	
4.962	Nominal Pipe Body Area (sq in)	
4.002	Normal Tipe Body Aled (od III)	
	Pipe Body Performance Properties	
546,000	Minimum Pipe Body Yield Strength (lbs)	1
7,480	Minimum Collapse Pressure (psi)	2
10,640	Minimum Internal Yield Pressure (psi)	2
9,700	Hydrostatic Test Pressure (psi)	3
	Connection Dimensions	
6.050	Connection O.D. (in)	2
4.892	Connection I.D. (in)	
4.767 4.13	Connection Drift Diameter (in)	
4.13 4.962	Make-up Loss (in) Critical Area (sq in)	
100.0	Joint Efficiency (%)	
100.0	John Emclericy (70)	1
	Connection Performance Properties	2
546,000	Joint Strength (lbs)	5
22,940	Reference String Length (ft) 1.4 Design Factor	15
568,000	API Joint Strength (lbs)	13
546,000	Compression Rating (lbs)	
7,480	API Collapse Pressure Rating (psi)	
10,640	API Internal Pressure Resistance (psi)	
91.7	Maximum Uniaxial Bend Rating [degrees/100 ft]	
	Annayimated Field End Targue Values	:
12,000	Appoximated Field End Torque Values Minimum Final Torque (ft-lbs)	
13,800	Maximum Final Torque (ft-lbs)	
15,500	Connection Yield Torque (ft-lbs)	
. 5,555	January Congress (It ibo)	

For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

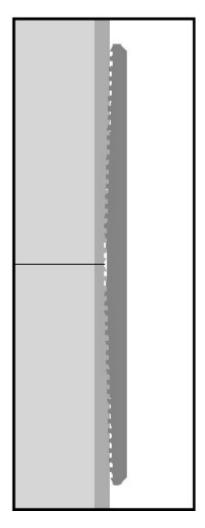
Connection specifications within the control of VAM-USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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DWC Connection Data Notes:

- DWC connections are available with a seal ring (SR) option.
- All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
- 3. Connection performance properties are based on nominal pipe body and connection dimensions.
- DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
- 5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
- 6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
- Bending efficiency is equal to the compression efficiency.
- 8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
- 9. Connection yield torque is not to be exceeded.
- 10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
- DWC connections will accommodate API standard drift diameters.





Connection specifications within the control of VAM-USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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Received by OCD: 10/6/2023 9:02:20 AM

Issued on: 16 Dec. 2020 by Logan Van Gorp



Connection Data Sheet

OD	Weight (lb/ft)	Wall Th.	Grade	Alt. Drift:	Connection
8 5/8 in.	Nominal: 32.00	0.352 in.	P110EC	7.875 in.	VAM® SPRINT-FJ
	Plain End: 31.13				

PIPE PROPERTIES		
Nominal OD	8,625	in.
Nominal ID	7.921	in.
	9.149	
Nominal Cross Section Area		sqin.
Grade Type	•	gh Yield
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Ultimate Tensile Strength	135	ksi

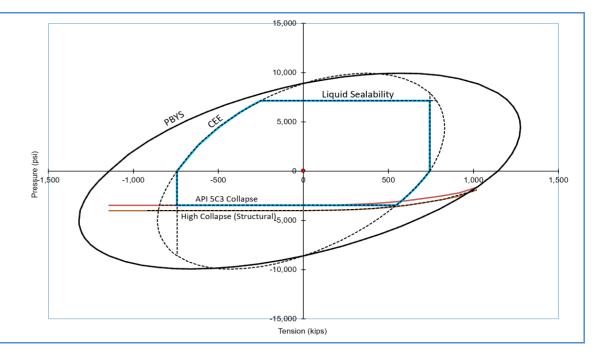
CONNECTION PROP	ERTIES	
Connection Type	Semi-Premium Into	egral Flush
Connection OD (nom):	8.665	in.
Connection ID (nom):	7.954	in.
Make-Up Loss	2.614	in.
Critical Cross Section	6.038	sqin.
Tension Efficiency	65.0	% of pipe
Compression Efficiency	65.0	% of pipe
Internal Pressure Efficiency	80.0	% of pipe
External Pressure Efficiency	100	% of pipe

CONNECTION PERFORMANCE	S	
Tensile Yield Strength	744	klb
Compression Resistance	744	klb
Max. Internal Pressure	7,150	psi
Structural Collapse Resistance	4,000	psi
Max. Bending with Sealability	41	°/100ft
Max. Bending with Sealability	10	°/100ft

TORQUE VALUES		
Min. Make-up torque	15,000	ft.lb
Opt. Make-up torque	16,500	ft.lb
Max. Make-up torque	18,000	ft.lb
Max. Torque with Sealability (MTS)	TBD	ft.lb

* 87.5% RBW

VAM® SPRINT-FJ is a semi-premium flush connection designed for shale applications, where maximum clearance and high tension capacity are required for intermediate casing strings.



canada@vamfieldservice.com usa@vamfieldservice.com mexico@vamfieldservice.com

brazil@vamfieldservice.com

Do you need help on this product? - Remember no one knows VAM^{\otimes} like VAM^{\otimes}

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Over 140 VAM® Specialists available worldwide 24/7 for Rig Site Assistance



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JNCONTROLLED

MECHANICAL PROPERTIE	S Pipe	втс	LTC	STC		
Minimum Yield Strength	40,000				psi	
Maximum Yield Strength	80,000				psi	
Minimum Tensile Strength	60,000				psi	
DIMENSIONS	Pipe	втс	LTC	STC		
Outside Diameter	10.750	0.000	0.000	11.750	in.	
Wall Thickness	0.350				in.	
Inside Diameter	10.050			10.050	in.	
Standard Drift	9.894	9.894	9.894	9.894	in.	
Alternate Drift					in.	
Nominal Linear Weight, T&	kC 40.50				lb/ft	
Plain End Weight	38.91				lb/ft	
PERFORMANCE	Pipe	втс	LTC	STC		
Minimum Collapse Pressu	re 1,390	1,390	1,390	1,390	psi	
Minimum Internal Yield Pre	essure 2,280	2,280	2,280	2,280	psi	
Minimum Pipe Body Yield	Strength 457				1,000 lbs	
Joint Strength				314	1,000 lbs	
Reference Length				5,164	ft	
MAKE-UP DATA	Pipe	втс	LTC	STC		
Make-Up Loss				3.50	in.	
Minimum Make-Up Torque				2,360	ft-lb	
Maximum Make-Up Torque	e			3,930	ft-lb	

Notes

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FIGHTING OKRA 18-19 FED 24H

1. Geologic Formations

TVD of target	13325	Pilot hole depth	N/A
MD at TD:	23585	Deepest expected fresh water	

Basin

Dasin	Depth	Water/Mineral	
Fa			II
Formation	(TVD)	Bearing/Target	Hazards*
	from KB	Zone?	
Rustler	785		
Salt	1060		
Base of Salt	5250		
Delaware	5300		
Cherry Canyon	6353		
Brushy Canyon	7996		
1st Bone Spring Lime	9529		
Bone Spring 1st	10475		
Bone Spring 2nd	11421		
3rd Bone Spring Lime	11487		
Bone Spring 3rd	12100		
Wolfcamp	12560		

^{*}H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program (Primary Design)

		Wt			Casing	Interval	Casing Interval	
Hole Size	Csg. Size	(PPF)	Grade	Conn	From (MD)	To (MD)	From (TVD)	To (TVD)
14 3/4	10 3/4	40 1/2	H40	ВТС	0	810	0	810
9 7/8	8 5/8	32	P110	Sprint FJ	0	12660	0	12660
7 7/8	5 1/2	17	P110	DWC / C-IS+	0	23585	0	13325

[•]All casing strings will be tested in accordance with 43 CFR 3172. Must have table for contingency casing.

Casing	# Sks	TOC	Wt.	Yld (ft3/sack)	Slurry Description
Surface	494	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	430	Surf	9	3.27	Lead: Class C Cement + additives
THU I	465	8660	13.2	1.44	Tail: Class H / C + additives
Int 1	559	Surf	13.2	1.44	Squeeze Lead: Class C Cement + additives
Intermediate	430	Surf	9	3.27	Lead: Class C Cement + additives
Squeeze	465	8660	13.2	1.44	Tail: Class H / C + additives
Production	117	10769	9	3.27	Lead: Class H /C + additives
Froduction	1432	12769	13.2	1.44	Tail: Class H / C + additives

Casing String	% Excess
Surface	50%
Intermediate 1	30%
Intermediate 1 (Two Stage)	25%
Prod	10%

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		✓	Tested to:
			Annular		X	50% of rated working pressure
Int 1	13-5/8"	5M	Blind	d Ram	X	
IIIt I	13-3/6	JIVI	Pipe	Ram		5M
			Doub	le Ram	X	3101
			Other*			
	13-5/8"		Annular (5M)		X	100% of rated working pressure
Don't all a		10M	Blind Ram		X	1014
Production			Pipe Ram			
			Double Ram		X	10M
			Other*			
	Annular (5M)					
			Blind Ram			
			Pipe	Ram]
			Double Ram]
			Other*			
N A variance is requested for	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.					
Y A variance is requested to a	A variance is requested to run a 5 M annular on a 10M system					

5. Mud Program (Three String Design)

Section	Туре	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	DBE / Cut Brine	10-10.5
Production	OBM	10-10.5

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

6. Logging and Testing Procedures

Logging, 6	Logging, Coring and Testing					
	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the					
X	Completion Report and shumitted to the BLM.					
	No logs are planned based on well control or offset log information.					
	Drill stem test? If yes, explain.					
	Coring? If yes, explain.					

Additional l	ogs planned	Interval
	Resistivity	Int. shoe to KOP
	Density	Int. shoe to KOP
X	CBL	Production casing
X	Mud log	Intermediate shoe to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	7275
Abnormal temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogren Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

N H2S is present

N	H2S is present
Y	H2S plan attached.

FIGHTING OKRA 18-19 FED 24H

8. Other facets of operation

Is this a walking operation? Potentially

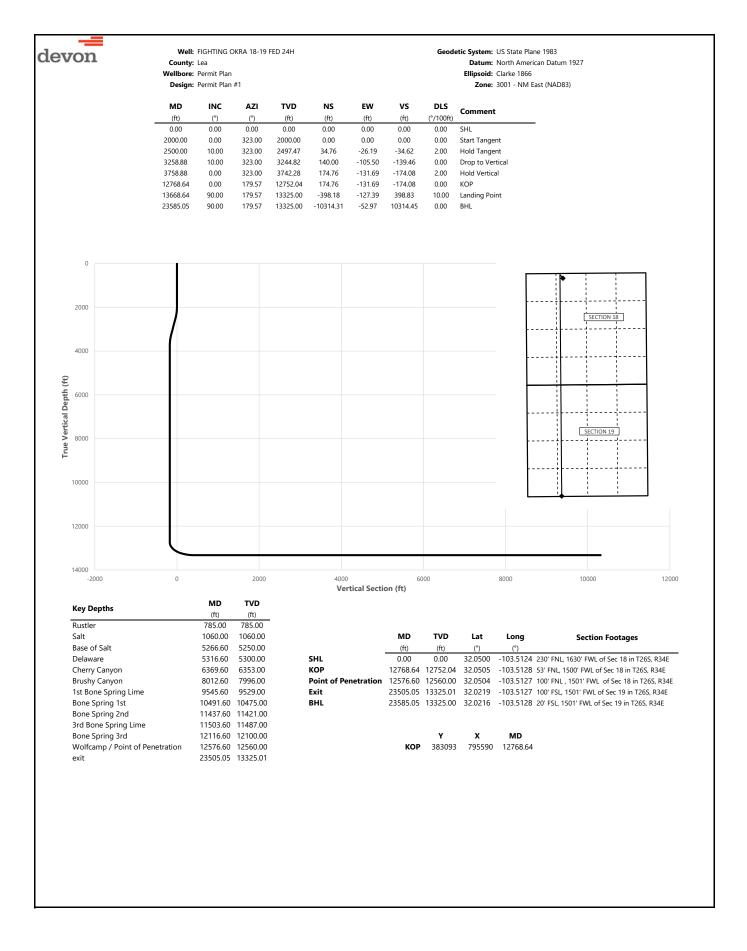
- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
 - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.,
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pa.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. A that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
 - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments	1
X	Directional Plan
	Other, describe





Well: FIGHTING OKRA 18-19 FED 24H

Geodetic System: US State Plane 1983

County: Lea

Datum: North American Datu

Wellbore: Permit Plan

Design: Permit Plan #1

Datum: North American Datum 1927 Ellipsoid: Clarke 1866 Zone: 3001 - NM East (NAD83)

	Design: Permit Plan #1			Zone: 3001 - NM East (NAD83)				
MD	INC	AZI	TVD	NS	EW	vs	DLS	C
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00 200.00	0.00	323.00 323.00	100.00 200.00	0.00	0.00	0.00	0.00	
300.00	0.00	323.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	323.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	323.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	323.00	600.00	0.00	0.00	0.00	0.00	
700.00 785.00	0.00	323.00 323.00	700.00 785.00	0.00	0.00	0.00	0.00	Rustler
800.00	0.00	323.00	800.00	0.00	0.00	0.00	0.00	rustiei
900.00	0.00	323.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	323.00	1000.00	0.00	0.00	0.00	0.00	
1060.00	0.00	323.00	1060.00	0.00	0.00	0.00	0.00	Salt
1100.00	0.00	323.00	1100.00	0.00	0.00	0.00	0.00	
1200.00 1300.00	0.00	323.00 323.00	1200.00 1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	323.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	323.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	323.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	323.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	323.00	1800.00	0.00	0.00	0.00	0.00	
1900.00 2000.00	0.00	323.00 323.00	1900.00 2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	323.00	2000.00	1.39	-1.05	-1.39	2.00	Start rangent
2200.00	4.00	323.00	2199.84	5.57	-4.20	-5.55	2.00	
2300.00	6.00	323.00	2299.45	12.53	-9.44	-12.48	2.00	
2400.00	8.00	323.00	2398.70	22.27	-16.78	-22.18	2.00	
2500.00	10.00	323.00	2497.47	34.76	-26.19	-34.62	2.00	Hold Tangent
2600.00 2700.00	10.00 10.00	323.00 323.00	2595.95 2694.43	48.63 62.49	-36.64 -47.09	-48.44 -62.25	0.00	
2800.00	10.00	323.00	2792.91	76.36	-57.54	-76.07	0.00	
2900.00	10.00	323.00	2891.39	90.23	-67.99	-89.88	0.00	
3000.00	10.00	323.00	2989.87	104.10	-78.44	-103.69	0.00	
3100.00	10.00	323.00	3088.35	117.97	-88.90	-117.51	0.00	
3200.00	10.00	323.00	3186.83	131.84	-99.35	-131.32	0.00	Donata Wasfard
3258.88 3300.00	10.00 9.18	323.00 323.00	3244.82 3285.36	140.00 145.47	-105.50 -109.62	-139.46 -144.91	0.00 2.00	Drop to Vertical
3400.00	7.18	323.00	3384.34	156.83	-118.18	-156.22	2.00	
3500.00	5.18	323.00	3483.75	165.42	-124.66	-164.78	2.00	
3600.00	3.18	323.00	3583.48	171.24	-129.04	-170.58	2.00	
3700.00	1.18	323.00	3683.41	174.28	-131.33	-173.60	2.00	
3758.88 3800.00	0.00	323.00	3742.28	174.76	-131.69	-174.08	2.00	Hold Vertical
3900.00	0.00	179.57 179.57	3783.40 3883.40	174.76 174.76	-131.69 -131.69	-174.08 -174.08	0.00	
4000.00	0.00	179.57	3983.40	174.76	-131.69	-174.08	0.00	
4100.00	0.00	179.57	4083.40	174.76	-131.69	-174.08	0.00	
4200.00	0.00	179.57	4183.40	174.76	-131.69	-174.08	0.00	
4300.00	0.00	179.57	4283.40	174.76	-131.69	-174.08	0.00	
4400.00 4500.00	0.00	179.57 179.57	4383.40 4483.40	174.76 174.76	-131.69 -131.69	-174.08 -174.08	0.00	
4600.00	0.00	179.57	4483.40 4583.40	174.76	-131.69 -131.69	-174.08 -174.08	0.00	
4700.00	0.00	179.57	4683.40	174.76	-131.69	-174.08	0.00	
4800.00	0.00	179.57	4783.40	174.76	-131.69	-174.08	0.00	
4900.00	0.00	179.57	4883.40	174.76	-131.69	-174.08	0.00	
5000.00	0.00	179.57	4983.40	174.76	-131.69	-174.08	0.00	
5100.00 5200.00	0.00	179.57 179.57	5083.40 5183.40	174.76 174.76	-131.69 -131.69	-174.08 -174.08	0.00	
5266.60	0.00	179.57	5250.00	174.76	-131.69	-174.08	0.00	Base of Salt
5300.00	0.00	179.57	5283.40	174.76	-131.69	-174.08	0.00	
5316.60	0.00	179.57	5300.00	174.76	-131.69	-174.08	0.00	Delaware
5400.00	0.00	179.57	5383.40	174.76	-131.69	-174.08	0.00	
5500.00 5600.00	0.00	179.57 179.57	5483.40 5583.40	174.76 174.76	-131.69 -131.69	-174.08 -174.08	0.00	
5600.00 5700.00	0.00	179.57	5583.40 5683.40	174.76 174.76	-131.69 -131.69	-174.08 -174.08	0.00	
5800.00	0.00	179.57	5783.40	174.76	-131.69	-174.08	0.00	
5900.00	0.00	179.57	5883.40	174.76	-131.69	-174.08	0.00	
6000.00	0.00	179.57	5983.40	174.76	-131.69	-174.08	0.00	
6100.00	0.00	179.57	6083.40	174.76	-131.69	-174.08	0.00	
6200.00 6300.00	0.00	179.57 179.57	6183.40 6283.40	174.76 174.76	-131.69 -131.69	-174.08 -174.08	0.00	
0300.00	0.00	113.31	020J.40	., 4.70	131.03	7.00	5.00	



Well: FIGHTING OKRA 18-19 FED 24H

County: Lea Wellbore: Permit Plan Design: Permit Plan #1 Geodetic System: US State Plane 1983

Datum: North American Datum 1927 **Ellipsoid:** Clarke 1866

Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	VS	DLS	C
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
6369.60	0.00	179.57	6353.00	174.76	-131.69	-174.08	0.00	Cherry Canyon
6400.00	0.00	179.57	6383.40	174.76	-131.69	-174.08	0.00	
6500.00	0.00	179.57	6483.40	174.76	-131.69	-174.08	0.00	
6600.00	0.00	179.57	6583.40	174.76	-131.69	-174.08	0.00	
6700.00	0.00	179.57	6683.40	174.76	-131.69	-174.08	0.00	
6800.00	0.00	179.57	6783.40	174.76	-131.69	-174.08	0.00	
6900.00	0.00	179.57	6883.40	174.76	-131.69	-174.08	0.00	
7000.00	0.00	179.57	6983.40	174.76	-131.69	-174.08	0.00	
7100.00	0.00	179.57	7083.40	174.76	-131.69	-174.08	0.00	
7200.00	0.00	179.57	7183.40	174.76	-131.69	-174.08	0.00	
7300.00	0.00	179.57	7283.40	174.76	-131.69	-174.08	0.00	
7400.00	0.00	179.57	7383.40	174.76	-131.69	-174.08	0.00	
7500.00	0.00	179.57	7483.40	174.76		-174.08	0.00	
7600.00		179.57	7583.40		-131.69	-174.08		
	0.00			174.76	-131.69		0.00	
7700.00	0.00	179.57	7683.40	174.76	-131.69	-174.08	0.00	
7800.00	0.00	179.57	7783.40	174.76	-131.69	-174.08	0.00	
7900.00	0.00	179.57	7883.40	174.76	-131.69	-174.08	0.00	
8000.00	0.00	179.57	7983.40	174.76	-131.69	-174.08	0.00	
3012.60	0.00	179.57	7996.00	174.76	-131.69	-174.08	0.00	Brushy Canyon
8100.00	0.00	179.57	8083.40	174.76	-131.69	-174.08	0.00	
8200.00	0.00	179.57	8183.40	174.76	-131.69	-174.08	0.00	
3300.00	0.00	179.57	8283.40	174.76	-131.69	-174.08	0.00	
8400.00	0.00	179.57	8383.40	174.76	-131.69	-174.08	0.00	
8500.00	0.00	179.57	8483.40	174.76	-131.69	-174.08	0.00	
3600.00	0.00	179.57	8583.40	174.76	-131.69	-174.08	0.00	
8700.00	0.00	179.57	8683.40	174.76	-131.69	-174.08	0.00	
00.0088	0.00	179.57	8783.40	174.76	-131.69	-174.08	0.00	
8900.00	0.00	179.57	8883.40	174.76	-131.69	-174.08	0.00	
9000.00	0.00	179.57	8983.40	174.76	-131.69	-174.08	0.00	
9100.00	0.00	179.57	9083.40	174.76	-131.69	-174.08	0.00	
9200.00	0.00	179.57	9183.40	174.76	-131.69	-174.08	0.00	
9300.00	0.00	179.57	9283.40	174.76	-131.69	-174.08	0.00	
9400.00	0.00	179.57	9383.40	174.76	-131.69	-174.08	0.00	
9500.00	0.00	179.57	9483.40	174.76	-131.69	-174.08	0.00	
9545.60	0.00	179.57	9529.00	174.76	-131.69	-174.08	0.00	1st Bone Spring Lime
9600.00	0.00	179.57	9583.40	174.76	-131.69	-174.08	0.00	
9700.00	0.00	179.57	9683.40	174.76	-131.69	-174.08	0.00	
9800.00	0.00	179.57	9783.40	174.76	-131.69	-174.08	0.00	
9900.00	0.00	179.57	9883.40	174.76	-131.69	-174.08	0.00	
000.00	0.00	179.57	9983.40	174.76	-131.69	-174.08	0.00	
0100.00	0.00	179.57	10083.40	174.76	-131.69	-174.08	0.00	
0200.00	0.00	179.57	10183.40	174.76	-131.69	-174.08	0.00	
0300.00	0.00	179.57	10283.40	174.76	-131.69	-174.08	0.00	
0400.00		179.57	10283.40	174.76		-174.08 -174.08	0.00	
	0.00				-131.69			Rono Spring 1ct
0491.60	0.00	179.57	10475.00	174.76	-131.69	-174.08	0.00	Bone Spring 1st
0500.00	0.00	179.57	10483.40	174.76	-131.69	-174.08	0.00	
0600.00	0.00	179.57	10583.40	174.76	-131.69	-174.08	0.00	
0700.00	0.00	179.57	10683.40	174.76	-131.69	-174.08	0.00	
0800.00	0.00	179.57	10783.40	174.76	-131.69	-174.08	0.00	
0900.00	0.00	179.57	10883.40	174.76	-131.69	-174.08	0.00	
1000.00	0.00	179.57	10983.40	174.76	-131.69	-174.08	0.00	
1100.00	0.00	179.57	11083.40	174.76	-131.69	-174.08	0.00	
1200.00	0.00	179.57	11183.40	174.76	-131.69	-174.08	0.00	
1300.00	0.00	179.57	11283.40	174.76	-131.69	-174.08	0.00	
1400.00	0.00	179.57	11383.40	174.76	-131.69	-174.08	0.00	
1437.60	0.00	179.57	11421.00	174.76	-131.69	-174.08	0.00	Bone Spring 2nd
1500.00	0.00	179.57	11483.40	174.76	-131.69	-174.08	0.00	
1503.60	0.00	179.57	11487.00	174.76	-131.69	-174.08	0.00	3rd Bone Spring Lime
1600.00	0.00	179.57	11583.40	174.76	-131.69	-174.08	0.00	
1700.00	0.00	179.57	11683.40	174.76	-131.69	-174.08	0.00	
1800.00	0.00	179.57	11783.40	174.76	-131.69	-174.08	0.00	
1900.00	0.00	179.57	11883.40	174.76	-131.69	-174.08	0.00	
2000.00	0.00	179.57	11983.40	174.76	-131.69	-174.08	0.00	
2100.00	0.00	179.57	12083.40	174.76	-131.69	-174.08	0.00	
2116.60	0.00	179.57	12100.00	174.76	-131.69	-174.08	0.00	Bone Spring 3rd
2200.00	0.00	179.57	12183.40	174.76	-131.69	-174.08	0.00	
2300.00	0.00	179.57	12283.40	174.76	-131.69	-174.08	0.00	
2400.00	0.00	179.57	12383.40	174.76	-131.69	-174.08	0.00	
2500.00	0.00	179.57	12483.40	174.76	-131.69	-174.08 -174.08	0.00	
	0.00	113.31	12-03.40	1/4./0	131.03		0.00	
2576.60	0.00	179.57	12560.00	174.76	-131.69	-174.08	0.00	Wolfcamp / Point of Penetration



Well: FIGHTING OKRA 18-19 FED 24H

County: Lea Wellbore: Permit Plan Design: Permit Plan #1 Geodetic System: US State Plane 1983

Datum: North American Datum 1927 Ellipsoid: Clarke 1866

Zone: 3001 - NM East (NAD83)

Design: Permit Plan #1							Zone: 3001 - NM East (NAD83)					
MD	INC	AZI	TVD	NS	EW	vs	DLS					
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment				
12600.00	0.00	179.57	12583.40	174.76	-131.69	-174.08	0.00					
12700.00	0.00	179.57	12683.40	174.76	-131.69	-174.08	0.00					
12768.64	0.00	179.57	12752.04	174.76	-131.69	-174.08	0.00	KOP				
12800.00	3.14	179.57	12783.39	173.90	-131.68	-173.22	10.00					
12900.00	13.14	179.57	12882.25	159.77	-131.58	-159.09	10.00					
13000.00	23.14	179.57	12977.17	128.68	-131.35	-128.00	10.00					
13100.00	33.14	179.57	13065.24	81.59	-130.99	-80.91	10.00					
13200.00	43.14	179.57	13143.79	19.91	-130.53	-19.24	10.00					
13300.00	53.14	179.57	13210.44	-54.46	-129.97	55.13	10.00					
13400.00	63.14	179.57	13263.17	-139.28	-129.33	139.95	10.00					
13500.00	73.14	179.57	13300.36	-231.97	-128.64	232.63	10.00					
13600.00	83.14	179.57	13320.89	-329.71	-127.90	330.36	10.00					
13668.64	90.00	179.57	13325.00	-398.18	-127.39	398.83	10.00	Landing Point				
13700.00	90.00	179.57	13325.00	-429.54	-127.16	430.19	0.00					
13800.00	90.00	179.57	13325.00	-529.54	-126.40	530.18	0.00					
13900.00	90.00	179.57	13325.00	-629.54	-125.65	630.17	0.00					
14000.00	90.00	179.57	13325.00	-729.53	-124.90	730.16	0.00					
14100.00	90.00	179.57	13325.00	-829.53	-124.15	830.16	0.00					
14200.00	90.00	179.57	13325.00	-929.53	-123.40	930.15	0.00					
14300.00	90.00	179.57	13325.00	-1029.52	-122.65	1030.14	0.00					
14400.00	90.00	179.57	13325.00	-1129.52	-121.90	1130.13	0.00					
14500.00	90.00	179.57		-1229.52	-121.15	1230.12	0.00					
14600.00	90.00	179.57	13325.00 13325.00		-120.40	1330.12	0.00					
14700.00	90.00	179.57 179.57		-1429.51 -1529.51	-119.65 -118.90	1430.11	0.00					
14800.00 14900.00	90.00 90.00	179.57	13325.00 13325.00	-1529.51 -1629.51	-118.90 -118.15	1530.10 1630.09	0.00					
15000.00	90.00	179.57	13325.00		-117.40	1730.08	0.00					
15100.00	90.00	179.57	13325.00	-1829.50	-117.40	1830.08	0.00					
15200.00	90.00	179.57	13325.00	-1929.50	-115.89	1930.07	0.00					
15300.00	90.00	179.57	13325.00	-2029.50	-115.14	2030.06	0.00					
15400.00	90.00	179.57	13325.00	-2129.49	-114.39	2130.05	0.00					
15500.00	90.00	179.57	13325.00	-2229.49	-113.64	2230.04	0.00					
15600.00	90.00	179.57	13325.00	-2329.49	-112.89	2330.04	0.00					
15700.00	90.00	179.57	13325.00	-2429.48	-112.14	2430.03	0.00					
15800.00	90.00	179.57	13325.00	-2529.48	-111.39	2530.02	0.00					
15900.00	90.00	179.57	13325.00	-2629.48	-110.64	2630.01	0.00					
16000.00	90.00	179.57	13325.00	-2729.48	-109.89	2730.00	0.00					
16100.00	90.00	179.57	13325.00	-2829.47	-109.14	2830.00	0.00					
16200.00	90.00	179.57	13325.00	-2929.47	-108.39	2929.99	0.00					
16300.00	90.00	179.57	13325.00	-3029.47	-107.64	3029.98	0.00					
16400.00	90.00	179.57	13325.00	-3129.47	-106.89	3129.97	0.00					
16500.00	90.00	179.57	13325.00	-3229.46	-106.13	3229.96	0.00					
16600.00	90.00	179.57	13325.00	-3329.46	-105.38	3329.96	0.00					
16700.00	90.00	179.57	13325.00	-3429.46	-104.63	3429.95	0.00					
16800.00	90.00	179.57	13325.00	-3529.45	-103.88	3529.94	0.00					
16900.00	90.00	179.57	13325.00	-3629.45	-103.13	3629.93	0.00					
17000.00	90.00	179.57	13325.00	-3729.45	-102.38	3729.92	0.00					
17100.00	90.00	179.57	13325.00		-101.63	3829.92	0.00					
17200.00	90.00	179.57		-3929.44	-100.88	3929.91	0.00					
17300.00	90.00	179.57	13325.00		-100.13	4029.90	0.00					
17400.00	90.00	179.57	13325.00		-99.38	4129.89	0.00					
17500.00	90.00	179.57	13325.00		-98.63	4229.88	0.00					
17600.00	90.00	179.57	13325.00		-97.88	4329.88	0.00					
17700.00	90.00	179.57	13325.00	-4429.43	-97.13	4429.87	0.00					
17800.00	90.00	179.57	13325.01	-4529.43	-96.37	4529.86	0.00					
17900.00	90.00	179.57	13325.01		-95.62	4629.85	0.00					
18000.00	90.00	179.57	13325.01		-94.87	4729.84	0.00					
18100.00	90.00	179.57	13325.01	-4829.42	-94.12	4829.84	0.00					
18200.00	90.00	179.57	13325.01	-4929.41	-93.37	4929.83	0.00					
18300.00	90.00	179.57	13325.01	-5029.41	-92.62 01.07	5029.82	0.00					
18400.00	90.00	179.57	13325.01		-91.87 91.12	5129.81	0.00					
18500.00	90.00	179.57	13325.01		-91.12	5229.81	0.00					
18600.00	90.00	179.57	13325.01		-90.37	5329.80	0.00					
18700.00	90.00	179.57	13325.01		-89.62	5429.79	0.00					
18800.00 18900.00	90.00 90.00	179.57 179.57	13325.01 13325.01		-88.87 -88.12	5529.78 5629.77	0.00					
19000.00	90.00	179.57		-5629.39 -5729.39	-88.12 -87.37	5629.77 5729.77	0.00					
19000.00	90.00	179.57	13325.01		-87.37 -86.62	5829.76	0.00					
19200.00	90.00	179.57	13325.01		-85.86	5929.75	0.00					
19300.00	90.00	179.57	13325.01		-85.11	6029.74	0.00					
				5525.50	55.11	JULJ.17	0.00					



Well: FIGHTING OKRA 18-19 FED 24H

County: Lea Wellbore: Permit Plan Design: Permit Plan #1 Geodetic System: US State Plane 1983

Datum: North American Datum 1927

Ellipsoid: Clarke 1866 Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	vs	DLS	C
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
19400.00	90.00	179.57	13325.01	-6129.38	-84.36	6129.73	0.00	
19500.00	90.00	179.57	13325.01	-6229.38	-83.61	6229.73	0.00	
19600.00	90.00	179.57	13325.01	-6329.37	-82.86	6329.72	0.00	
19700.00	90.00	179.57	13325.01	-6429.37	-82.11	6429.71	0.00	
19800.00	90.00	179.57	13325.01	-6529.37	-81.36	6529.70	0.00	
19900.00	90.00	179.57	13325.01	-6629.37	-80.61	6629.69	0.00	
20000.00	90.00	179.57	13325.01	-6729.36	-79.86	6729.69	0.00	
20100.00	90.00	179.57	13325.01	-6829.36	-79.11	6829.68	0.00	
20200.00	90.00	179.57	13325.01	-6929.36	-78.36	6929.67	0.00	
20300.00	90.00	179.57	13325.01	-7029.36	-77.61	7029.66	0.00	
20400.00	90.00	179.57	13325.01	-7129.35	-76.86	7129.65	0.00	
20500.00	90.00	179.57	13325.01	-7229.35	-76.10	7229.65	0.00	
20600.00	90.00	179.57	13325.01	-7329.35	-75.35	7329.64	0.00	
20700.00	90.00	179.57	13325.01	-7429.34	-74.60	7429.63	0.00	
20800.00	90.00	179.57	13325.01	-7529.34	-73.85	7529.62	0.00	
20900.00	90.00	179.57	13325.01	-7629.34	-73.10	7629.61	0.00	
21000.00	90.00	179.57	13325.01	-7729.34	-72.35	7729.61	0.00	
21100.00	90.00	179.57	13325.01	-7829.33	-71.60	7829.60	0.00	
21200.00	90.00	179.57	13325.01	-7929.33	-70.85	7929.59	0.00	
21300.00	90.00	179.57	13325.01	-8029.33	-70.10	8029.58	0.00	
21400.00	90.00	179.57	13325.01	-8129.32	-69.35	8129.57	0.00	
21500.00	90.00	179.57	13325.01	-8229.32	-68.60	8229.57	0.00	
21600.00	90.00	179.57	13325.01	-8329.32	-67.85	8329.56	0.00	
21700.00	90.00	179.57	13325.01	-8429.32	-67.10	8429.55	0.00	
21800.00	90.00	179.57	13325.01	-8529.31	-66.34	8529.54	0.00	
21900.00	90.00	179.57	13325.01	-8629.31	-65.59	8629.53	0.00	
22000.00	90.00	179.57	13325.01	-8729.31	-64.84	8729.53	0.00	
22100.00	90.00	179.57	13325.01	-8829.30	-64.09	8829.52	0.00	
22200.00	90.00	179.57	13325.01	-8929.30	-63.34	8929.51	0.00	
22300.00	90.00	179.57	13325.01	-9029.30	-62.59	9029.50	0.00	
22400.00	90.00	179.57	13325.01	-9129.30	-61.84	9129.49	0.00	
22500.00	90.00	179.57	13325.01	-9229.29	-61.09	9229.49	0.00	
22600.00	90.00	179.57	13325.01	-9329.29	-60.34	9329.48	0.00	
22700.00	90.00	179.57	13325.01	-9329.29 -9429.29	-59.59	9429.47	0.00	
22800.00	90.00	179.57	13325.01	-9429.29	-58.84	9529.46	0.00	
22900.00	90.00	179.57	13325.01	-9529.28 -9629.28	-58.09	9629.45	0.00	
	90.00	179.57	13325.01	-9029.28			0.00	
23000.00					-57.34	9729.45		
23100.00	90.00	179.57	13325.01	-9829.28	-56.59	9829.44	0.00	
23200.00	90.00	179.57	13325.01	-9929.27	-55.83	9929.43	0.00	
23300.00	90.00	179.57	13325.01		-55.08	10029.42	0.00	
23400.00	90.00	179.57		-10129.27	-54.33	10129.41	0.00	
23500.00	90.00	179.57		-10229.27	-53.58	10229.41	0.00	
23505.05	90.00	179.57		-10234.31	-53.54	10234.45	0.00	exit
23585.05	90.00	179.57	13325.00	-10314.31	-52.97	10314.45	0.00	BHL

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6181 Fax: (575) 393-0720
DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

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

DISTRICT III 1000 RIO BRAZOS RD., 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

	WELL LOCATION AND	ACREAGE DEDICATION PLAT						
API Number	Pool Code	Pool Name						
30-025-47579	98347	98347 WC-025 G-10 S263418C;						
Property Code	Prop	erty Name	Well Number					
315691	FIGHTING OKRA	18-19 FEDERAL	24H					
OGRID No.	Oper	ator Name	Elevation					
61.37	DEVON ENERGY PRO	DUCTION COMPANY, L.P.	3362.5'					

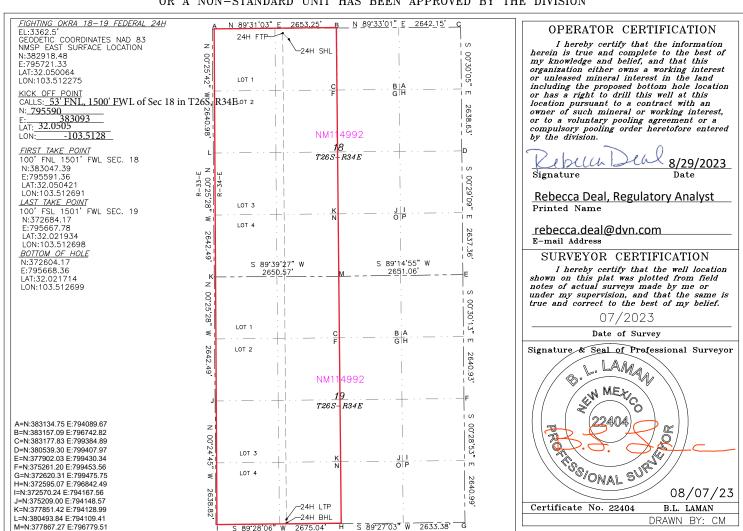
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	18	26-S	34-E		230	NORTH	1630	WEST	LEA

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
N	19	26-S	34-E		20	SOUTH	1501	WEST	LEA
Dedicated Acre	s Joint o	r Infill C	onsolidation	Code Or	der No.				
640									

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



Inten	t x	As Dril	led										
API#													
DE\	rator Nai /ON EN MPANY	NERGY F	PRODUC	١	Property Name: FIGHTING OKRA 18-19 FEDERAL							Well Number 24H	
Kick (Off Point	(KOP)											
UL	Section	Township	Range	Lot	Feet		From N/S	Fee	et	Fron	n E/W	County	
<u></u>	18	26S	34E		53		FNL	1	L500	FW	/L		LEA
Latitu		2.0505			Longitu		-103.5128					NAD 8	33
												<u> </u>	
First 7	Гаке Poir	nt (FTP)											
C	Section 18	Township 26-S	Range 34-E	Lot	Feet 100		From N/S NORTH	Fee 1 15			n E/W	County LEA	
Latitu		1			Longitu							NAD 83	
UL N	Section	Township 26-S	Range 34-E	Lot	Feet 100	SC	m N/S Fee		From WE		Count	ty	
32.	.de .0219	34			Longitu 103	8.512698 83							
		e defining v	vell for th	e Horiz	zontal Տր	oacinį	g Unit?	Υ					
	ll is yes p ng Unit.	lease prov	ide API if	availab	ole, Opei	rator	Name and	well	numbe	r for I	Definii	ng well f	or Horizontal
API#													
Ope	rator Nai	me:	1			Pro	perty Nam	e:					Well Number
						<u> </u>							V7.06/20/201

KZ 06/29/2018

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District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 273148

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	273148
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	12/21/2023