		UNITED STATES PARTMENT OF THE I JREAU OF LAND MANA	NTERIOR	Artesla	OMB NO Expires:	APPROVED D. 1004-0135 July 31. 2010
	SUNDRY		5. Lease Serial No. NMNM109756			
i	Do not use this abandoned well	•	6. If Indian, Allottee of	r Tribe Name		
	SUBMIT IN TRIF	PLICATE - Other instruc	ctions on reverse side.	•	7. If Unit or CA/Agree	ement, Name and/or No.
1. Type of Well	Gas Well 🔲 Oth	er ·	<u></u>		8. Well Name and No. • PEACHES 19 FE	DERAL 3H
 Name of Operator OXY USA INC 	ORPORATED	Contact:	DAVID STEWART		9. API Well No. 30-015-42446-0	0-X1
3a. Address 5 GREENWAY HOUSTON, T	Y PLAZA STE 11 X 77046-0521	10	3b. Phone No. (include area coo Ph: 432.685.5717	de)	10. Field and Pool, or COTTONWOOI	Exploratory D DRAW
		, R., M., or Survey Description	n)		11. County or Parish,	and State .
	R27E SESW 073 Lat, 104.230748	30FSL 1980FWL W Lon			EDDY COUNTY	Υ, NM
12.	CHECK APPR	ROPRIATE BOX(ES) T	O INDICATE NATURE OF	NOTICE, P	REPORT, OR OTHE	R DATA
TYPE OF SUI	BMISSION		. TYPE	OF ACTION		······································
		🗖 Acidize	Deepen	D Produ	ction (Start/Resume)	U Water Shut-Off
Notice of Int	1	Alter Casing	Fracture Treat	🗖 Recla	nation	Well Integrity
Subsequent I		Casing Repair	New Construction	🗖 Recor	•	Other Change to Original
🗖 Final Abando	onment Notice	 Change Plans Convert to Injection 	 Plug and Abandon Plug Back 	1-	orarily Abandon Disposal	PD
• OXY USA Inc	he site is ready for fi . respectfully rec	unal inspection.) quests approval for the fo	Solution a multiple completion or r iled only after all requirements, include the solution of		ion, have been completed,	and the operator has
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Additional data for EC transaction #308050 that would not fit on the form

32. Additional remarks, continued

SF Coll-15.98 SF Burst-1.42 SF Ten-5.94

b.Intermediate Casing 7-5/8" & .4# J-55 BT&C new csg @ 0-1900', 9-7/8" hole w/ 10.0# mud

Coll Rating (psi)-3400 Burst Rating (psi)-6020 SF Coll-8.17 SF Burst-1.39 SF Ten-4.23

c.Production Casing 5-1/2" 20# P-110 USF new csg @ 0-8182'M, 6-3/4" hole w/ 9.2# mud Coll Rating (psi)-11100 Burst Rating (psi)-12600 SF Coll-2.67 SF Burst-1/26 SF Ten-2.30

4-1/2" 13.5# P-110 BT&C new csg @ 8183-12211'M, 6-3/4" hole w/ 9.2# mud Coll Rating (psi)-10670 Burst Rating (psi)-12410 SF Coll-2.57 SF Burst-1.25 SF Ten-3.05

Collapse and burst loads calculated using Stress Check with anticipated loads, see attached for design assumptions

2. Cement program adjustment to the new bit/casing sizes. Cement program modifications detailed below.

a. Surface - Circulate cement to surface w/ 380sx PP cmt w/ 2% CaCl2, 14.8ppg 1.35 yield 1415# 24hr CS 150% Excess.

b. Intermediate - Circulate/cement to surface w/ 330sx HES light PP cmt w/ 5% Salt + .1% HR-800, 12.9ppg 1.85 yield 824#24hs CS 125% Excess followed by 200sx PP cmt, 14.8ppg 1.33 yield 1789# 24hr CS 125% Excess.

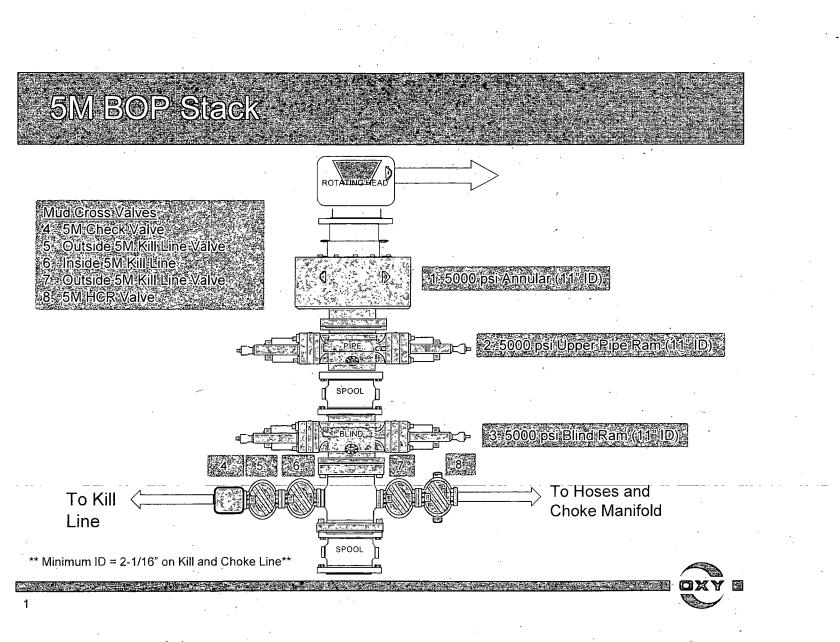
c. Production - Cement w/ 210sx Tuned Light (TM) system cmt w/ 3#/sx Kol-Seal + .125#/sx Poly-E-Flake + .8% HR-607, 10.2ppg 3.05 yield 555# 24hr CS 25% Excess followed by 490sx Super H cmt w/ 3#/sx salt + .1% HR-800 + .3% CFR-3 + .5% Halad(R)-344 + 2#/sx Kol-Seal, 13.2ppg 1.65 yield 1462# 24hr CS 25% Excess. Estimated TOC @ 1000'.

Description of Cement Additives: Calcium Chloride, Salt (Accelerator); CFR-3 (Dispersant); Kol-Seal, Poly-E-Flake (Lost Circulation Additive); Halad-344 (Low Fluid Loss Control); HR-601, HR-800 (Retarder)

The above cement volumes could be revised pending the caliper measurement.

3. Mud Pi	rogram			
Depth	Mud WT	Vis Sec	Fluid Loss	Туре
0-350'	8.5-9.0	40 ,/ 55 50)-75cc/30min	EnerSeal Spud Mud (MMH)
350-1900	9.8-10	∖ ⊉8-32	NC Na	aCl Brine
1900-TD	8.8-9.6	V 38-50	50-75cc/30mi	in EnerSeal (MMH)

4. The Operator will connect the BOP choke outlet to the choke manifold using a hose that meets all BLM requirements and will be inspected and approved by BLM personnel prior to spud.

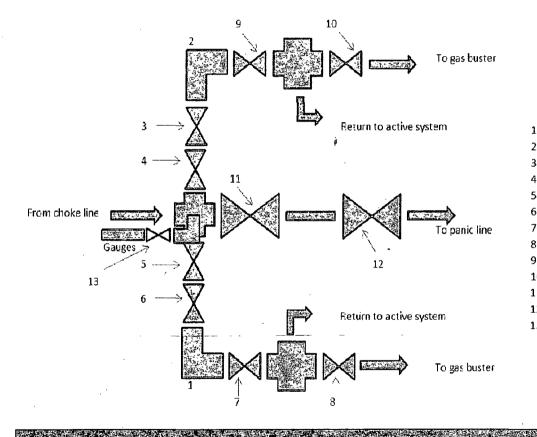


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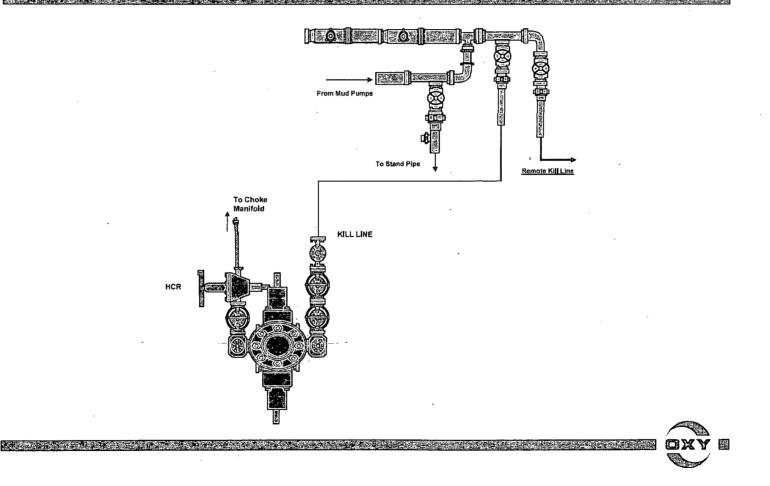
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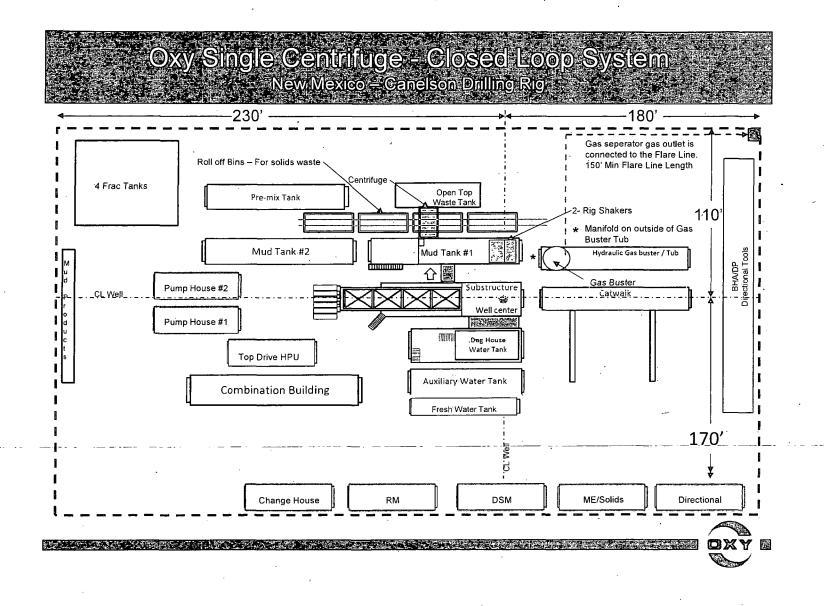
5M Choke Panel



1- POWER CHOKE 2- MANUAL CHOKE 3- 2 1/16" CHOKEMANIFOLD VALVE 4- 2 1/16" CHOKEMANIFOLD VALVE 5- 2 1/16" CHOKEMANIFOLD VALVE 6- 2 1/16" CHOKEMANIFOLD VALVE 7- 2 1/16" CHOKEMANIFOLD VALVE 9- 2 1/16" CHOKEMANIFOLD VALVE 10- 2 1/16" CHOKEMANIFOLD VALVE 11- 3" CHOKEMANIFOLD VALVE 12- 3" CHOKEMANIFOLD VALVE 13- 2 1/16 CHOKE MANIFOLD VALVE

10M Remote Kill Line Schematic

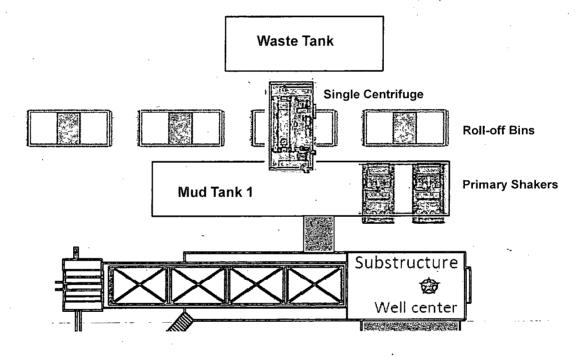




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Oxy Single Centrifuge - Closed Loop System New Mexico - Canelson Drilling Rig



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Eddy County, NM (NAD 27 NME) Peaches 19 Fed 3H Peaches 19 Fed 3H

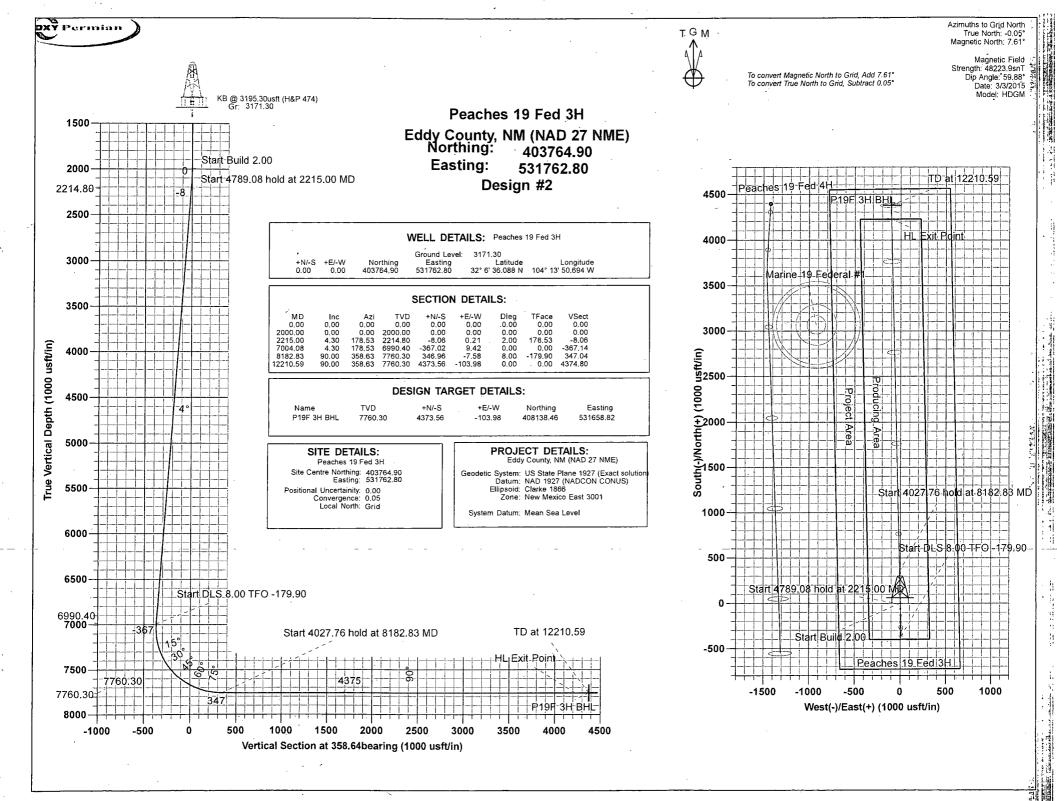
Original Wellbore

Plan: Design #2

Standard Planning Report

03 March, 2015





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500.00 600.00	0.00 0.00	0.00 0.00	500.00 600.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00	0.00 0.00	0.00 0.00
700.00	0.00	0.00	700.00	0.00	0.00	0,00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	00.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00 0.00	0.00	1,200.00 1,300.00	0.00 0.00	· 0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
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1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 -	2,000.00	0.00	0.00	0.00	0.00	0.00 สองกัน คำสุดภาพ 1.84	0.00
Start Build 2.00 2,100.00	2.00	178.53	2,099.98	ي 1.74 -1.74	0.04	-1.75	2.00	2.00	0.00
2,200.00	4.00	178.53	2,199.84	-6.98	0.18	-6.98	2.00	2.00	0.00
2,215.00	4.30	178.53	2,214.80	-8.06	0.21	-8.06	2.00	2.00	0.00
	old at 2215.00 M					Sector Sec.			建制品文
2,300.00	4.30	178.53	2,299.56	-14.43	0.37	-14.44	0.00	0.00	0.00
2,400.00	4.30	178.53	2,399.28	-21.93	0.56	-21.94	0.00	0.00	0.00
. 2,500.00 2,600.00	4.30 4.30	178.53 178.53	2,499.00 2,598.71	-29.42 -36.92	0.76 0.95	-29.43 -36.93	0.00 0.00	0.00 0.00	0.00 0.00
2,700.00	4.30	178.53	2,698.43	-44.41	1.14	-44.43	0.00	0.00	0.00
, 2;800.00	4.30	178.53	2,798.15	-51.91	1.33	-51.93	0.00	0.00	0.00
2,900.00	4.30	178.53	2,897.87	-59.40	1.52	-59.42	0.00	0.00	0.00
3,000.00	4.30	178.53	2,997.59	-66.90	1.72	-66.92	0.00	0.00	0.00
3,100.00 3,200.00	4.30 4.30	178.53 178.53	3,097.31 3,197.03	-74.40 -81.89	,1.91 2.10	74.42 -81.92	0.00 0.00	0.00 0.00	0.00 0.00
3,300.00	4.30	178.53	3,296.74	-89.39	2.29	-89.42	0.00	0.00	0.00
3,400.00	4.30	178.53	3,396.46	-96.88	2.49	-96.91	0.00	0.00	0.00
3,500.00	4.30	178.53	3,496.18	-104.38	2.68	-104.41	0.00	0.00	0.00
3,600.00	4.30	178.53	3,595.90	-111.87	2.87	-111.91	0.00	0.00	0.00
3,700.00 3,800.00	4.30 4.30	178.53 178.53	3,695.62 3,795.34	-119.37 -126.86	3.06 3.26	-119.41 -126.91	00.0 00.0	0.00 0.00	0.00 0.00
	4.30								
3,900.00 4,000.00	4.30 4.30	178.53 178.53	3,895.06 3,994.77	-134.36 -141.85	3.45 3.64	-134.40 -141.90	0.00 0.00	0.00 0.00	0.00 0.00
4,100.00	4.30	178.53	4,094.49	-149.35	3.83	-149.40	0.00	0.00	0.00
4,200.00	4.30	178.53	4,194.21	-156.85	4.02	-156.90	0.00	0.00	0.00
4,300.00	4.30	178.53	4;293.93	-164.34	4.22	-164.39	0.00	0.00	0.00
. 4,400.00	4.30	178.53	4,393.65	-171.84	4.41	-171.89	0.00	0.00	0.00
4,500.00 4,600.00	4.30 4.30	178.53 . 178.53	4,493.37 4,593.08	-179.33 -186.83	4.60 4.79	-179.39 -186.89	0.00 - 0.00	0.00	0.00
4,800.00	4.30	178.53	4,692.80	-100.03 -194.32	4.79	-186.89 -194.39	0.00	0.00 0.00	0.00 0.00
4,800.00	4.30	178.53	4,792.52	-201.82	5.18	-201.88	0.00	0.00	0.00
4,900.00	4.30	178.53	4,892.24	-209.31	5.37	-209.38	0.00	0.00	0.00
5,000.00	4.30	178.53	4,991.96	-216.81	5.56	-216.88	0.00	0.00	0.00

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Database:	lidland District			Local Co	ordinate Refer	ence:	ell Peaches 19	9 Fedi3H:/™⊒.≮	
RANNING CONTRACTOR OF THE REAL PROPERTY OF	XY		a an	TVDRefe	rence:	語で言語的語言の問題にありた	THE REPORT OF THE REPORT OF	sft (H&P 474)	
国主要。 可要还是你们的意思。"第二次,你们的问题,你们	ddy County: NM		E)	MD Refe	TO PROPERTY AND A DECKER	计算机 网络马克尔斯马克尔 网络马克尔斯	·····································	sft (H&P 474))	经济和 非常多性的
and the second	eaches 19 Fedi			North Re	·····································	当时的把本公把的保护理由 。如此	d.		
日本出口的中国生活为自己的中国之子的中国生产的中国生产学	eaches:19 Fed	1446.2		Survey C	alculation Met	nod:@@%awga.Mu	nimum Curvat	ure in the second second	
PARAMETERS AND	original Wellbore								
Design:	esign(#2(?,???			No.	1.16年代後期後期				
Planned Survey			1. 18 St. 18	epier, experiences					TATING STREET
Measured 1	1.1		Vertical No.		HULL HICOHARD GALS	SUSCESSION STUDIES TO CONSISTING	ogleg?	Build	Turn
#22.000 27.40 M 40 0 20 C		Azimuth Para	Depth	+N/-S	ARDING Y COLUMNATION OF THE OF	used of the line shade subscript	Rate (Rate	Rate (100usft)
(usft)	(f) (f) (f) (f) (f)	bearing),	r (usft)	(usft)//ac/f	(usft) (Jack	(usft) + +++(;//		/100usft), ////(/	
5,100.00	.4.30	178.53	5,091.68	-224.30	5.76	-224.38	0.00	0.00	0.00
5,200.00	4.30	178.53 178.53	5,191.40	-231.80	5.95	-231.88	0.00	0.00	0.00 0.00
5,300.00	4.30		5,291.11	-239.29	6.14	-239.37	0.00	0.00	
5,400.00	4.30 4.30	178.53 178.53	5,390.83 5,490.55	-246.79	6.33 6.53	-246.87	0.00	0.00	0.00 0.00
5,500.00 5,600.00	4.30	178.53	5,490.55 5,590.27	-254.29 -261.78	6.53 6.72	-254.37 -261.87	0.00	0.00	0.00
5,700.00	4.30	178.53	5,689.99	-269.28	6.91	-269.36	0.00	0.00	0.00
5,800.00	4.30	178.53	5,789.71	. 276.77	7.10	-276.86	0.00	0.00	0.00
5,900.00	4.30	178.53	5,889.43	-284.27	7.29	-284.36	0.00	0.00	. 0.00
6,000.00	4.30	178.53	5,989.14	-291.76	7.49	-291.86	0.00	0.00	0.00
6,100.00	4.30	178.53	6,088.86	-299.26	7.68	-299.36	0.00	0.00	0.00
6,200.00	4.30 4.30	178.53 178.53	6,188.58 6,288.30	-306.75 -314.25	7.87 8,06	-306.85 -314.35	0.00	0.00 0.00	0.00 0.00
		178.53	6.388.02						
6,400.00 6,500.00	4.30 4.30	178.53	6,388.02 6,487.74	-321.74 -329.24	8.26 8.45	-321.85 -329.35	0.00 0.00	0.00 0.00	0.00 0.00
6,600.00	4.30	178.53	6,587.46	-336.73	8.64	-336.85	0.00	0.00	0.00
6,700.00	4.30	178.53	6,687.17	-344.23	8.83	-344.34	0.00	0.00	0.00
6,800.00	4.30	178.53	6,786.89	-351.73	9.03	-351.84	0.00	0.00	0.00
6,900.00	4.30	178.53	6,886.61	-359.22	9.22	-359.34	0.00	0.00	0.00
7,004.08	4.30	178.53	6,990.40	-367.02	9.42	-367.14	0.00	0.00	0.00
Start DLS 8:00'1		177.95	1703 07 7 026 07		0.47				Constant and an
7,050.00 7,100.00	0.63 3.37	358.75	7,036.27 7,086.24	-368.99 -367.80	9.47 9.45	-369.12 -367.92	8.00 8.00	-8.00	-1.26 -358.39
7,150.00	7.37	358.69	7,136.01	-363.12	9.34	-363.24	8.00	8.00	-0.14
7,200.00	11.37	358,67	7,185.34	-354.98	9,16	-355.09	8.00	8.00	-0.04
7,250.00	15.37	358.66	7,233.97	-343.42	. 8.88	-343.53	8.00	8.00	-0.02
7,300.00	19.37	358.65	7,281.68	-328.50	8.53	-328.61	8.00	8.00	-0.01
7,350.00	23.37	358.65 358.64	7,328.23	-310.28	8.10	-310.39	8.00	8.00	-0.01
7,400.00	27.37		7,373.40	-288.87	7.60	-288.97	8.00	- 8.00	-0.01
7,450.00	31.37	358.64	7,416.96	-264.35	7.02	-264.45	8.00	8.00	0.00
7,500.00	35.37 39.37	358.64 358.64	7,458.71 . 7,498.44	-236.86 -206.53	6.36 5.64	-236.95 -206.60	8.00 8.00	8.00 8.00	0.00 0.00
7,600.00	43.37	358.64	7,535.95	-173.49	4.86	-173.56	8.00	8.00	0.00
7,650.00	47.37	358.64	7,571.07	-137.93	4.01	-137.98	8.00	8.00	0.00
7,700.00	51.37	358.63	7,603.62	-100.00	3,10	-100.04	8.00	8.00	0.00
7,750.00	55.37	358.63	7,633.44	-59.89	2.15	-59.92	8.00	8.00	0.00
7,800.00 7,850.00	59.37 63.37	358.63 358.63	7,660.39 7,684.34	-17.80 26.07	1.14 0.10	-17.82 26.06	8.00 8.00	8.00 8.00	0.00 0.00
7,900.00	67.37	358.63	7,705.17	71.50	-0.99	71.50	8.00	8.00	0.00
7,950.00	71.37	358.63	7,722.78	118.27	-2.11	118.29	8.00	8.00	0.00
8,000.00	75.37	358.63	7,737.09	166.16	-3.25	166.19	8.00	8.00 /	0.00
8,050.00	79.37	358,63	7,748.01	214,92	-4.42	214.97	8.00	8.00	0.00
8,100.00 8,150.00	83.37 87.37	358.63 358.63	7,755.51 7,759.54	264.33	-5.60	264.39	8.00	8.00	0.00
				314.15	-6.79	314.22	8.00	8.00	0.00
8,182.83	90.00	358.63	7,760.30	346.96	-7.58	347.04	8.00	8.00 Lista adatativana	0.00
Start 4027.76 hd 8,200.00	old at 8182:83 N 90.00	1DG3 - 50 - 2 358.63	7,760.30	364.12	-7.99		0.00	0.00	
8,200.00	90.00	358.63	7,760.30	364.12 464.09	-7.99 -10.38	364.21 464.21	0.00	0.00	0.00 0.00
8,400.00	90.00	358.63	7,760.30	564.06	-12.77	564.21	0.00	0.00	0.00
8,500.00	90.00	358.63	7,760.30	664.03	-15.17	664.21	0.00	0.00	0.00
8,600.00	90.00	358.63	7,760.30	764.00	-17.56	764.21	0.00	0.00	0.00
8,700.00	90:00	358.63	7,760.30	863.98	-19.95	864.21	0.00	0.00	0.00
8,800.00 8,900.00	90.00 90.00	358.63 358.63	7,760.30 7,760.30	963.95 1,063.92	-22.35 -24.74	964.21 1 064 21	0.00	0.00 0.00	0.00 0.00
0,900,00	30.00		7,700.30	1,003.82	-24.14	1,064.21	0.00	0.00	0.00

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Open in the second se		9 Fed 3H	Well Peach	erence:	-ordinate)Ref	Local Co			land District	itabase:> is see of I Mic
La)	the fail and this set of the lat. Vice of	1 2 2 4 (17 13 PONGO) 10	14 DF 30 DF 76 DF 31 A FO 4 S - 1 PS 1 T	erence: 🔫 🗧	·····TVD Ref		and the second second	Y	ompany: A state of OX
Bit State Entrop CERTING MEMORY Interformed State March State Attract State Variation Variatio Variatio Variatio		isft (H&P 474)	KB @ 319		rence:	F MD Refe		(NAD 27/NM	ly County NN	ject: The Constant Held
And Section 1 Provide Section 2 Image: Section 2		中在中心的	Grid St.		ference:	North Re		日的时代。	iches 19 Fed	en av State State Pe
Bar 2012 1922 1922 1922 1922 1922 1922 1922		ture	-Minimum C	thod:	的现在分词 化分析学 计分析学 医水白色素	24 State 1 State 1 State 1 State 1 State 1 State		H	ches 19 Fed	l: Contract of Pe
Physic Province <			1. A S. P. P. P.					学校学校	LATEL WALL WITCH BURN	
Horsver Armon Orified (LSR) N.S. Gr. M. Vertical (LSR) Vertical (LSR) Control (LSR) Section Description Build (RSR) Build (RSR) 9,000.00 90.00 355.63 7,760.30 1,163.89 -27.13 1,164.21 0.00 0.00 9,000.00 90.00 355.63 7,760.30 1,863.83 -31.62 1.264.21 0.00 0.00 9,000.00 90.00 355.63 7,760.30 1,863.83 -31.62 1.264.21 0.00 0.00 9,000.00 90.00 355.63 7,760.30 1,763.72 -41.50 1,764.21 0.00 0.00 9,000.00 90.00 355.63 7,760.30 1,763.72 -41.50 1,764.21 0.00 0.00 9,000.00 90.00 355.63 7,760.30 1,763.72 -41.50 1,764.21 0.00 0.00 0.00 9.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>A. Parte Star</td><td></td><td>AT</td><td></td></td<>							A. Parte Star		AT	
District (ref.) Intination (ref.) Afmuth (ref.) Control (ref.) Strict (ref.) Date (ref.) Date (ref.) <thdate (ref.) Date (ref.) Date (</thdate 			and the second state	in a second second						
Optim Internation Optim NLS I.G.M Section Case KED 9,000.00 90.00 358.63 7,760.30 1,163.28 27.13 1,164.21 0.00 0.00 9,000.00 90.00 358.63 7,770.30 1,263.89 27.13 1,164.21 0.00 0.00 9,000.00 90.00 358.63 7,770.30 1,463.80 -34.32 1,464.21 0.00 0.00 9,000.00 90.00 358.63 7,770.30 1,653.78 -36.71 1,664.21 0.00 0.00 9,600.00 90.00 358.63 7,770.30 1,763.72 +1150 1,764.21 0.00 0.00 9,600.00 90.00 358.63 7,770.30 1,853.66 +42.81 1,864.21 0.00 0.00 9,000.01 358.63 7,770.30 2,653.53 +46.82 2,642.11 0.00 0.00 9,000.01 358.63 7,770.30 2,463.52 -58.25 2,444.21 0.00 0.	a principal de la secolo	MARLAND LAD VO TON		Alter Prope		这个公理的行法	的复数动物			nned Survey
Depth Internation Depth NLS Low Section Case REso 9.000.00 90.00 358.63 7.760.30 1.163.29 27.13 1.164.21 0.00 0.00 9.000.00 90.00 358.63 7.760.30 1.263.89 -27.13 1.164.21 0.00 0.00 9.000.00 90.00 358.63 7.760.30 1.463.83 -31.92 1.364.21 0.00 0.00 9.000.00 90.00 358.63 7.760.30 1.663.78 -36.71 1.664.21 0.00 0.00 9.600.00 90.00 358.63 7.760.30 1.763.72 41.50 1.764.21 0.00 0.00 9.600.01 90.00 358.63 7.760.30 1.953.66 -48.29 1.864.21 0.00 0.00 9.000.01 95.663 7.760.30 2.663.63 -56.65 2.664.21 0.00 0.00 9.000.01 358.63 7.760.30 2.463.52 -58.25 2.464.21 0.00 0.										
Optim Instance Optim N/S t-t/W Section CRUC Restored 9.000.00 90.00 358.63 7/700.30 1/63.89 -27.13 1/64.21 0.00 0.00 9.100.00 90.00 358.63 7/700.30 1/63.89 -27.13 1/64.21 0.00 0.00 9.200.00 90.00 358.63 7/700.30 1/65.87 -36.71 1.564.21 0.00 0.00 9.400.00 90.00 358.63 7/700.30 1.653.78 -36.71 1.564.21 0.00 0.00 9.600.00 90.00 358.63 7/700.30 1.653.78 -35.10 1.664.21 0.00 0.00 9.600.00 90.00 358.63 7/700.30 1.653.66 -45.29 1.664.21 0.00 0.00 9.600.00 90.00 358.63 7/700.30 2.653.56 -53.46 2.664.21 0.00 0.00 9.600.00 90.00 358.63 7/700.30 2.463.52 -58.25 2.66	Turn	Build	Dogleg 2	Vertical	for the second		Vertical Vertical		e a cara cara cara cara cara cara cara c	Measured 2.4
Unit is (n) (n = n) (n = n) <th(n =="" n)<="" th=""> <th(n =="" n)<="" th=""> <th(n =<="" td=""><td>Rate</td><td>Rate, Cr.</td><td></td><td>Section</td><td>+E/-W</td><td>+N/-S</td><td>Depth</td><td>zimuth. 🐇 🖛</td><td>ination.</td><td></td></th(n></th(n></th(n>	Rate	Rate, Cr.		Section	+E/-W	+N/-S	Depth	zimuth. 🐇 🖛	ination.	
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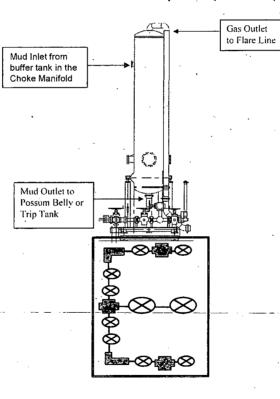
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COMPASS 5000.1 Build 74

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Choke Manifold — Gas Separator New México – Canelson Drilling Rig

Choke Manifold – Gas Separator (Side View)





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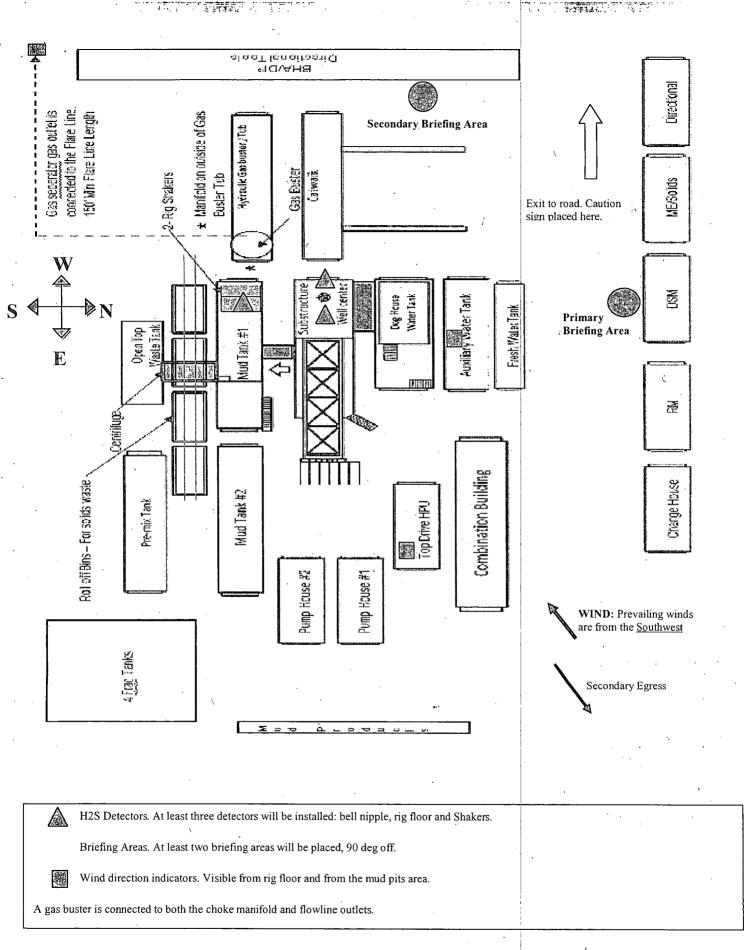


Permian Drilling Hydrogen Sulfide Drilling Operations Plan Peaches 19 Federal 3H

Open drill site. No homes or buildings are near the proposed location.

1. Escape

Personnel shall escape upwind of wellbore in the event of an emergency gas release. Escape can take place through the lease road on the NORTHWEST side of the location. Personnel need to move to a safe distance and block the entrance to location. If the primary route is not an option due to the wind direction, then a secondary egress route should be taken.



- 2 -

OXY USA Inc. Peaches 19 Federal

Casing Design Assumptions:

Burst Loads

- CSG Test (Surface)
 - Internal: Displacement fluid + 70% CSG Burst rating
 - External: Pore Pressure from section TD to surface

CSG Test (Intermediate)

- Internal: Displacement fluid + 70% CSG Burst rating
- External: Pore Pressure from the Intermediate hole TD to Surface CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

CSG Test (Production)

- Internal: Fresh water displacement fluid + 80% CSG Burst rating
- External: Pore Pressure from the well TD the Intermediate CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

Gas Kick (Surface/Intermediate)

- Internal: Gas Kick based on Pore Pressure or Fracture Gradient @ CSG shoe with a gas 0.115psi/ft Gas gradient to surface while drilling the next hole section (e.g. Gas Kick while drilling the production hole section is a burst load used to design the intermediate CSG)
- External: Pore Pressure from section TD to previous CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

Stimulation (Production)

- Internal: Displacement fluid + Max Frac treating pressure (not to exceed <u>80%</u> CSG Burst rating)
- External: Pore Pressure from the well TD to the Intermediate CSG shoe and 8.5 ppg MWE to surface

Collapse Loads

Lost Circulation (Surface/Intermediate)

- Internal: Losses experienced while drilling the next hole section (e.g. losses while drilling the production hole section are used as a collapse load to design the intermediate CSG). After losses there will be a column of mud
- inside the CSG with an equivalent weight to the Pore Pressure of the lost circulation zone
- External: MW of the drilling mud that was in the hole when the CSG was run

Cementing (Surface/Intermediate/Production)

- Internal: Displacement Fluid
- External: Cement Slurries to TOC, MW to surface

Full Evacuation (Production)

- Internal: Atmospheric Pressure
- External: MW of the drilling mud that was in the hole when the CSG was run

Tension Loads

Running CSG (Surface/Intermediate/Production)

• Axial load of the buoyant weight of the string plus either 100 klb over-pull or string weight in air, whichever is less

Green Cement (Surface/Intermediate/Production)

• Axial load of the buoyant weight of the string plus the cement plug bump pressure (Final displacement pressure + 500 psi)

Burst, Collapse and Tensile SF are calculated using Landmark's Stress Check (Casing Design) software.

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PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	OXY USA Inc.
LEASE NO.:	NMNM-109756
WELL NAME & NO.:	Peaches 19 Federal 3H
SURFACE HOLE FOOTAGE:	0730' FSL & 1980' FWL
BOTTOM HOLE FOOTAGE	0180' FNL & 1980' FWL
LOCATION:	Section 19, T. 25 S., R 27 E., NMPM
COUNTY:	Eddy County, New Mexico

A. DRILLING OPERATIONS 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)

Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Although Hydrogen Sulfide has not been reported in the area, it is always a potential hazard. Operator has stated that they will have monitoring equipment in place prior to drilling out of the surface shoe. If Hydrogen Sulfide is encountered, report measured amounts and formations to the BLM.
- 2. 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. If the drilling rig is removed without approval an Incident of Non-Compliance will be written and will be a "Major" violation.
- 3. 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 is located, this does not include the dog house or stairway area.
- 4. 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 top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. 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.). Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. IF OPERATOR DOES NOT HAVE THE WELL SPECIFIC CEMENT DETAILS ONSITE PRIOR TO PUMPING THE CEMENT FOR EACH CASING STRING, THE WOC WILL BE 30 HOURS. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Medium Cave/Karst

Possible water flows in the Castile. Possible lost circulation in the Salado and Delaware.

- 1. The 10-3/4 inch surface casing shall be set at approximately 350 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - 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 is to include the lead cement slurry.
 - 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.

Formation below the 10-3/4 inch shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

- 2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing, which shall be set at approximately **1900** feet, is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

If cement does not circulate to surface on the intermediate casing, the cement on the production casing must come to surface.

Formation below the 7-5/8 inch shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Centralizers required on horizontal leg, must be type for horizontal service and a minimum of one every other joint.

3. The minimum required fill of cement behind the 5-1/2 X 4-1/2 inch production casing is:

Cement as proposed by operator. Operator shall provide method of verification.

4. 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.

C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Variance approved to use flex line from BOP to choke manifold. 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. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
- 3. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 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. Operator shall perform the intermediate casing integrity test to 70% of the casing burst. This will test the multi-bowl seals.
 - 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.

5M 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. 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 when specified), 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. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.
 - c. 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 with a corresponding chart (i.e. two hour clock-two hour chart, one hour clock-one hour chart).
 - d. The results of the test shall be reported to the appropriate BLM office.
 - e. 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.
 - f. 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.

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

E. 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.

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