At storp and interval reported by S23 30 X33 N Lat, 104.017769 W Lon II. See; T. R. M., or Block and Survey, or Anna See 17235 R226 Mer NMP At loop prod interval reported by SWS 32675L 1750FEL III. See; T. R. M., or Block and Survey, or Anna See 17235 R226 Mer NMP 14. Data Speedded III. Date: T. D. Reached III. Date: T. D. Reached III. Date: T. D. Reached 07/13/2019 III. Date: T. D. Reached III. Date: T. D. Reached III. Date: T. D. Reached III. Evaluation: CDF, KB, RT, GL/* 18. Total Depth: MD 19892 III. Pipe Back T. D: MD 19892 III. Date: T. D. Reached III. Evaluation: CDF, KB, RT, GL/* 21. Type Electric & Other Mechanical Logs Run (submit copy of each) III. Total III. See: T. T. M. Gride Pipe See: MD 72. Stags and Liner Record (Report all strings set in well) III. Top III. Top IIII. See: T. See 100 (Stage Camenter Type of Cament Type of															Rec	'd 04/	28/2020 -	NMC)CD	
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b. Type of Completion Other Other <thother< th=""> Other Other<!--</td--><td></td><td>WELL</td><td>COMPL</td><td>ETION C</td><td>OR RE</td><td>CO</td><td>MPL</td><td>ETIC</td><td>N RE</td><td>EPOR</td><td></td><td>ND L</td><td>_OG</td><td></td><td></td><td></td><td></td><td></td><td></td></thother<>		WELL	COMPL	ETION C	OR RE	CO	MPL	ETIC	N RE	EPOR		ND L	_OG							
Other P: 11 für Gr A speciment Name and Nn. 2. Name of Open Van O GA. NND GAS NORTHERN DELMAIL: kshplog/Bnorolog.com 8. Location (WUR5) NULSTAND SUITE 2000 9: 10: Science Xunt and Well Nn. 3. Address (50) MEST VULSTANE BOULE VARD SUITE 2000 Pri: 400-208-3318 9. API Well Nn. 30:015-6008.00.051 4. Location (WUR5) VULSTANE SUITE 2000 Pri: 400-208-3318 9. API Well Nn. 30:015-6008.00.051 4. Location (WUR5) VULSTANE SUITE 2000 Pri: 400-208-3318 9. API Well Nn. 30:015-6008.00.051 4. Location (WUR5) VULSTANE SUITE 2000 Pri: 400-208-3318 9. API Well Nn. 30:015-6008.00.051 At top prod interval reprint helos Step Print 2000 Step Print 2000 10: Field and Doul or block and Step VC or ArX SUITE 2000 At top prod interval reprint helos Step Print 2000 Step Print 2000 10: Step Print 2000 At total deph WUR5 VULSTANE SUITE 2000 Step Print 2000 10: Step Print 2000 14: Despide Print VID 19882 10: Print 2000 10: Step Print 2000 10: Step Print 2000 14: Despide Print VID 19882 10: Print 2000 10: Step Print 2000 10: Step Print 2000 14: Type	1a. Type o	f Well] Oil Well	🛛 Gas	Well		Dry	0	ther							6. If	Indian, Al	lottee o	or Tribe Name	
NOVO OL AND GAS NORTHERN DEMain: kshipley@novog.com RAA SALADA FED COM 0504 234 3. Addres 100 WEST WLGHNE EQULEVANE KE DULE VAD 3a: Phone No. (include area code) Ph: 405286-3916 9. APT WeI No. 30-015-46089-00-51 4. Location of WERST WLGHNE EQULEVANE KE DULEVANE VAD 3a: Phone No. (include area code) Ph: 405286-3916 9. APT WeI No. 30-015-46089-00-51 4. Location of WERST WLGHNE EQULEVANE VAD 3a: Phone No. (include area code) Ph: 405286-3916 10. Field and Phone Texploration See 6 17238 PA2E Mer NMP 10. Field and Phone Texploration See 6 17238 PA2E Mer NMP At to op rod interval exported follow SWSW 407FSL 330FWL See 6 17238 PA2E Mer NMP 10. Det Completed Ph: 40-01720 Phint III. Sec. T. R., N., MID 17. Elevation DPL Advance Meride Meride Phane Sec 7728 PA2E Mer NMP At total depth SWSW 407FSL 330FWL See 6 17238 PA2E Mer NMP 10. Depth Phint Ba35 TVD 10. Pape Back T. D.: MID 19833 11. Sec. T. R., M. (include Texploration NMM 10. Elevation SUL Key NML NMM 10. Elevation SUL Key NML NMM 10. Elevation SUL Key NML NMM 11. Type Elevatic & Other Mechanical Logs Nan (Submit copy of each) GR and Liner Record (Report all strings set in well) 10. Elevation SUL Key NML NML 10. Elevation SUL Key SUL Key NML NML 10. Elevation SUL													esvr.	7. Unit or CA Agreement Name and No.						
3. Address 1001 WEST WILSHIRE BOULEVARD SUITE 200 3a. Proce No. (include area code) ORCAMOMACTY, 0K 73116 9. APT Well No. 4. Location of Well (Report location clearly and in accordance with Federal requirements)* See 6 T23S R226 Mer NMP 10. Pir: 405-286 3916 30-015-46088-00-S1 At rank and the second of the second region reg																				
See B 7235 R28 Mer NM2 Colspan="2">CURPLE SAGE-WOLPCAMP (GAS) See A 7235 R29E Mer NM2 At surface SES 1241FSDE See A 7235 R29E Mer NM2 At surface SES 1241FSDE At surface SES 1241FSDE At surface See A 7235 R29E Mer NMP 1. See A 723 R29E Mer NMP At surface See A 7235 R29E Mer NMP 21. Type Electric & Other Mechanical Logs Run Guthmit copy of each) 22. Was well cord? No O Re (Stabili analysis) At surface Size Cracke MP (MD) No. of Sts. & Star? No. of Sts. & Star? Size Cracke MP (MD) No. of Sts. & Star? No. of Sts. & Star? At surface A 730 O A 666		1001 WE	ST WILS	HIRE BOUL	EVAR				3a.				e area (code)).		
See 5 T235 R25E Mer NMP At top prod interval report of Mary SUSW 3075EL 330FWL II. 302L, it. 2.4, 742.4 Mer NMP At total depli SWES 3267.2 SASPEL II. 302L, it. 2.4, 742.4 Mer NMP At total depli SWES 3267.2 SASPEL II. 302L, it. 2.4, 742.4 Mer NMP At total depli SWES 3267.2 SASPEL II. 513et II. Date 7.D. Reached OB f62019 II. 524.0 SB 32 II. Type Electric & Other Mechanical Lags Run (Submit copy of each) Typ 109323 20. Depth Bridge Plug Set: MD II. State Size Grade Wt. (#ftb) Top 10932 21. Swe well corred? No Vet (Submit analysis) Size Grade Wt. (#ftb) Top Bottom Size Grade Wt. (#ftb) No Vet (Submit analysis) Size Grade Wt. (#ftb) Top Bottom Size Grade Size Grade Vet (Submit analysis) Size Grade Wt. (#ftb) Top Bottom Size Grade Size Grade Vet (Submit analysis) Size Grade Wt. (#ftb) Top Bottom Size Grade Size Grade O Commot Parish	Sec 6 T23S R29E Mer NMP												 Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS) 							
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GR Was DS run? No Yes (Submit analysis) 23. Casing and Liner Record (Report all strings set in well) Top (MD) Bottom Stage Cementer Depth No Stage (Submit analysis) 23. Casing and Liner Record (Report all strings set in well) Top (MD) Bottom Stage Cementer Depth No Stage Coment Top* Amount Pulled 17.500 13.375 J55 54.5 0 250 260 260 62 0 0 12.550 9.625 J55 40.0 0 23889 1255 387 0 0 0 8.750 7.625 P110 29.7 0 8456 705 307 0 0 0 24. Tubing Record 23.0 0 19881 1300 299 0 0 0 25. Poducing Intervals 26. Perforation Record Size Depth Set (MD) Packer Depth (MD) Size No. Holes Perf. Status A) WOLFCAMP 11157 19736 11157 TO 19736 0.460 1376 OPEN/PRODUCING B) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Status Mou	18. Total I	Depth:				19.	Plug E	Back T	.D.:						20. Dep	th Bri				
Hole Size Size/Grade Wt. (#/ft.) Top (MD) Bottom (MD) Stage Cementer Depth No. of Sks. & Type of Cement Depth Slugry Vol. (BBL) Cement Top* Amount Pulled 17.500 13.375.555 54.5 0 250 260 62 0 0 12.250 9.625.355 40.0 0 2989 1255 387 0 0 8.750 7.625 P110 23.0 0 19881 1300 299 0 0 24. Tubing Record 23.0 0 19881 1300 299 0 0 25. Producing Intervals 26. Perforation Record ize Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size No. Holes Perf. Status A) WOLFCAMP 11157 19736 11157 TO 19736 0.460 1376 OPEN/PRODUCING B) 1 1157 19736 11157 TO 19736 0.460 1376 OPEN/PRODUCING		Electric & Oth	her Mecha	nical Logs R	un (Sut	mit co	opy of	each)					1	Was I	OST run?		🛛 No	T Yes	s (Submit analysis)	
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B) Image: Constraint of the second secon								_	P	Perforate	forated Interval									
C) D Amount and Type of Material 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Amount and Type of Material 11157 TO 19736 11,018 GAL FR, 11826 GAL CLAY CONTROL 101, 4666 GAL SCALE STOP 54, 11,770 GAL SURFACTANT 201, 11157 TO 19736 11,018 GAL FR, 11826 GAL CLAY CONTROL 101, 4666 GAL SCALE STOP 54, 11,770 GAL SURFACTANT 201, 28. Production - Interval A Image: Control of the treat of the trea		WOLFO	WOLFCAMP		11157		19736			11157 TO 197			36 0.460		30 1376 OPE		OPE	N/PRODUCING		
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28. Production - Interval A Date First Produced Date Date Date Date Produced Hours Tested Production Test Production BBL Gas MCF BBL Oil Gravity Corr. API Gas Gravity Production Method 11/24/2019 12/27/2019 24 Press. Corr. API Gas MCF BBL 3573.0 52.0 0.83 FLOWS FROM WELL Choke Size Tbg. Press. Csg. 24 Hr. Oil BBL Gas MCF BBL Gas:Oil Ratio Well Status 34 SI 0 3529.0 Press. 3578 3573 6901 PGW 28a. Production - Interval B Date First Test Hours Tested Test Oil BBL Gas MCF BBL Oil Gravity Gas Gravity Production Method Date First Test Hours Tested Oil BBL Gas MCF BBL Oil Gravity Corr. API Gas Gravity Production Method Date Tested Production Date MCF BBL Gas MCF BBL Gas Gravity Production Method Date Tested Production MCF				736 11 018	GAL FR	1182	P6 GAI	CLAY	CONT	ROL 10			~ 1			770 G	AL SURFA	CTANT	Γ 201	
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28a. Production - Interval B Date First Produced Test Date Hours Tested Test Production Oil BBL Gas MCF Oil Gravity BBL Gas Corr. API Gas Gravity Production Method	Size	Flwg. 0	Flwg. 0 Press. Rate BBL MCF BBL		BBL	Ra	Ratio													
Date First Produced Test Date Hours Tested Test Production Oil BBL Gas MCF Water BBL Oil Gravity Corr. API Gas Gravity Production Method	-	-			124	3	857	8	3573	3	6	901		Р	GW					
Choke The Press Cse 24 Hr Oil Gas Water Gas:Oil Well Status	Date First	e First Test Hours														Production Method				
Size Five. Press. Rate BBL MCF BBL Ratio	Choke Size		Csg. Press.	24 Hr. Rate	Oil BBL		Gas MCF				Gas:Oil Well Status Ratio			atus						
(See Instructions and spaces for additional data on reverse side) ELECTRONIC SUBMISSION #502527 VERIFIED BY THE BLM WELL INFORMATION SYSTEM	(See Instruct	ions and spa	ces for add	ditional data	on reve	erse si	de) HE P		тт	NFOP	матт	ONE		'M						

** BLM REVISED **

28b. Produ	uction - Inter	val C											
Date First Produced			Test Production	Oil BBL	Gas MCF		Oil Gravity Corr. API	Gas Grav	ity	Production Method			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF		Gas:Oil Ratio	Well	Status	I			
28c. Produ	uction - Inter-	val D						•					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF		Oil Gravity Corr. API	Gas Grav	Gas Production Method Gravity				
Choke Size					Gas Water Gas:C MCF BBL Ratio			Well	Status				
29. Dispos CAPT	sition of Gas(URED	Sold, used	d for fuel, vent	ed, etc.)									
Show tests, i	all important	zones of		ontents there		intervals and all , flowing and sh		es	31. For	mation (Log) Ma	ırkers		
	Formation		Тор	Bottom		Descriptions	, Contents, et	c.		Name		Top Meas. Depth	
SALADO 764 1404 SALADO CASTILE 1404 2870 AI DELAWARE 2870 6466 S3 BONE SPRING 6466 9805 S3					SA AN SS SS	IHY. LT .,SH,LMS: WA .,LMS,SH: OIL .,SH,LMS: OIL			RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP			313 764 1404 2870 6466 9805	
	enclosed atta												
1. Electrical/Mechanical Logs (1 full set req'd.)2. Geologic Repo5. Sundry Notice for plugging and cement verification6. Core Analysis								3. DST Report4. Directional Survey7 Other:					
Name	py certify that (please print) ure	BRIAN	Electi F Committed	ronic Submi or NOVO C to AFMSS f	ssion #502 DIL AND (nplete and correc 2527 Verified b GAS NORTHE sing by DEBOI	y the BLM V IRN DELA, RAH HAM (Title (Well Inform sent to the	nation Sys carlsbac 20 (20DN ANT	1	ched instructio	ns):	
Title 18 U	.S.C. Section	1001 and	l Title 43 U.S.	C. Section 12		it a crime for an resentations as to	iy person kno	owingly and	l willfully	to make to any d	epartment or a	gency	

Revisions to Operator-Submitted EC Data for Well Completion #502527

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM59383	NMNM59383
Agreement:		
Operator:	NOVO OIL & GAS N DELAWARE LLC 1001 W. WILSHIRE BLVD. SUITE 206 OKLAHOMA CITY, OK 73116 Ph: 405-286-3916	NOVO OIL AND GAS NORTHERN DELA 1001 WEST WILSHIRE BOULEVARD SUITE 206 OKLAHOMA CITY, OK 73116 Ph: 4054040414
Admin Contact:	KURT SHIPLEY VP-OPERATIONS E-Mail: kshipley@novoog.com Ph: 405-286-3916	KURT SHIPLEY VP-OPERATIONS E-Mail: kshipley@novoog.com Cell: 405-404-0414 Ph: 405-286-3916
Tech Contact:	BRIAN WOOD CONSULTANT E-Mail: brian@permitswest.com Ph: 505-466-8120	BRIAN WOOD CONSULTANT E-Mail: brian@permitswest.com Ph: 505-466-8120
	FII. 303-400-6120	F11. 303-400-6120
Well Name: Number:	RANA SALADA FED COM 0504 234H	RANA SALADA FED COM 0504 234H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 6 T23S R29E Mer NMP SESE 1241FSL 669FEL	NM EDDY Sec 6 T23S R29E Mer NMP SESE 1241FSL 669FEL 32.330433 N Lat, 104.017769 W Lon
Field/Pool:	PURPLE SAGE WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:	GR	GR
Producing Intervals	s - Formations: WOLFCAMP	WOLFCAMP
Porous Zones:	RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP	RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP
Markers:	RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP	RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP