## Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000

Rule 165: 10-3-25

API No.: 35095206350000 **Completion Report** Spud Date: June 14, 2014

OTC Prod. Unit No.: 095-222263 Drilling Finished Date: July 07, 2014

1st Prod Date: September 28, 2017

Completion Date: September 28, 2017

**Drill Type:** STRAIGHT HOLE

Min Gas Allowable: Yes

Purchaser/Measurer: TARGA PIPELINE Well Name: LOGAN BEARD 1-31

Location: MARSHALL 31 4S 6E First Sales Date:

NW SE NW NW

1920 FSL 810 FWL of 1/4 SEC Derrick Elevation: 0 Ground Elevation: 0

B & W OPERATING LLC 21277 Operator:

> 100 PARK AVE STE 1020 **OKLAHOMA CITY, OK 73102-5601**

	Completion Type
	Single Zone
	Multiple Zone
Х	Commingled

Location Exception
Order No
626068

Increased Density
Order No
622190

	Casing and Cement										
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT				
CONDUCTOR	16			40			SURFACE				
SURFACE	9 5/8	36	J-55 STC	632		265	SURFACE				
PRODUCTION	5 1/2	17	J-55 STC	7531		425	5300				

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
			There are	no Liner record	ds to displa	ay.		

Total Depth: 7531

Pac	ker
Depth	Brand & Type
There are no Packe	r records to display.

Pl	ug
Depth	Plug Type
There are no Plug	records to display.

**Initial Test Data** 

November 27, 2017 1 of 3

Test Date	Format	ion	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut- In Pressure	Choke Size	Flow Tubing
Oct 02, 2017	VIOLA-WOC SYCAM		22		252		42	FLOWING		24/64	100
			Cor	npletion an	d Test Data	by Producing F	ormation				
	Formation N	ame: VIOLA			Code: 20	)2VIOL	C	lass: GAS			
	Spacing	Orders				Perforated I	ntervals		$\neg$		
Orde	r No	Uı	nit Size		Froi	n	7	Го			
533	420		640		729	4	74	159			
	Acid Vo	olumes		$\neg \vdash$		Fracture Tre	atments		_		
	3,927 GALLO	NS 15% HC	L	5,6	38 BARRELS	S SLICK WATER	R, 132,000 P	OUNDS SAN	ID		
	Formation N	ame: WOOE	FORD		Code: 3 <sup>2</sup>	19WDFD	C	lass: GAS			
	Spacing	Orders				Perforated I	ntervals				
Orde	r No	Uı	nit Size		Fron	n	7	Го			
533	420		640		655	4	67	774			
	Acid Vo	olumes		$\neg \vdash$		Fracture Tre	atments		7		
	1,465 GALLO	NS 15% HC	L	6,4	00 BARRELS	S SLICK WATER	R, 159,000 P	OUNDS SAN	ID		
	Formation N	ame: SYCAI	MORE		Code: 35	52SCMR	C	lass: GAS			
	Spacing	Orders				Perforated I	ntervals				
Orde	r No	Uı	nit Size		Fron	n	7	Го			
533	420		640		646	0	64	190			
	Acid Vo	olumes				Fracture Tre	atments		7		
	1,045 GALLO	NS 15% HC	L	3,0	075 BARREL	S SLICK WATE	R, 55,000 PC	DUNDS SAN	D		
	Formation N SYCAMORE		-WOODFOF	RD-	Code:		C	ilass: GAS			
ormation			lт	ор							
SYCAMORE			-	•		Vere open hole l Date last log run:	-				
WOODFORD			+		6554	Vere unusual dri			intered? No		
HUNTON						vere unusual dii Explanation:	ming circuitis	tarices ericol	ancicu: INO		

SYCAMORE	6458
WOODFORD	6554
HUNTON	6820
VIOLA	7290

## Other Remarks

There are no Other Remarks.

November 27, 2017 2 of 3

## FOR COMMISSION USE ONLY

1137980

Status: Accepted

November 27, 2017 3 of 3

095-20635 OTC PROD. UNIT NO. 095-222263	PLEASE TYPE OR US NOTE: Attach copy of origina	1002A if recompletion o	or reentry.	Oil	& Gas Cons Post Office	PRATION COMIN servation Division e Box 52000		n) RU	-		2017		Form 1002 Rev. 2007	
X ORIGINAL AMENDED				Oklaho		klahoma 73152-20 65:10-3-25	000	OKI V		T-19		TIÓN		
Reason Amended TYPE OF DRILLING OPERATI	ON			SPUD DATE	OMPLETI	ION REPORT	1	OKL	CO	MMISS	RPORA'	HON		
X STRAIGHT HOLE	_ DIRECTIONAL HOLE	HORIZONTA	AL HOLE			6/14/2014				640 A				
SERVICE WELL  If directional or horizontal, see	reverse for bottom hole le	ocation		DRLG FINISHED		7/7/2014								
COUNTY	SEC	TWP RGE		WELL COMPLETI	ION					++				
Marshall LEASE NAME		31 4S WELL NO.	6E	1ST PROD DATE		9/28/2017			-	+				
Logan B	eard F:	1-31				9/28/2017								
NW 1/4 SE 1/4 NW		1920' 810'	OF 1/4 SEC	RECOMP DATE			w						E	
ELEVATION		titude if Known		Longitude if Knowr	n					+++				
Derrick FI OPERATOR NAME	Ground			OTC/OCC (	OPERATOR	2 NO								
	W OPERATING, L	LC		010/000	21277									
ADDRESS 100 PARK AV	/E., STE 1020													
CITY		STATE		ZIP						+			-	
OKLAHOMA CITY			OK		73102		]			LOCATE	NA/ELI			
COMPLETION TYPE SINGLE ZONE		CASIN	IG & CEMENT	(Form 1002C mus	st be attach	ned)				LOCATE	VVELL			_
		IYPE		SIZE	WEIGHT	GRADE		FEET		PSI	SAX		10P	
MULTIPLE ZONE Application Date		Cond	uctor	16"			40'					surfa	ace	7
X Application Date	9/28/20	Surfa	ce	0.5/0"	204	IEE OTO					265			Per
LOCATION EXCEPTION ORDE			nediate	9 5/8"	36#	J55 STC	632'				140 sks	surfa	ace	100
INCREASED DENSITY ORDER	6260										1.00			
INCUENCED DENOTE ONDER		Produ	iction	5 1/2"	17#	J55 STC	7531	"			425 100 sks	5300	)'	
	0221	901 1				000 0.0	, 00 .				100 0110	0000	,	
PACKER @ BRA	MD & TYPE	PLUG @ PLUG @		TYPE	PLUG @ PLUG @		TYPE TYPE			TOTAL	DEPTH	753 <sup>-</sup>	,	
PACKER @BRA COMPLETION & TEST DATA IN FORMATION	ND & TYPE	PLUG @ PLUG @	04 319	TYPE	PLUG @ PLUG @						12	,	1 1	   
PACKER @BRA  COMPLETION & TEST DATA I FORMATION  SPACING & SPACING	ND & TYPE ND & TYPE SY PRODUCING FORMA Viola	PLUG @ PLUG @ Woodford	04319	TYPE TYPE WDFD Sycamore	PLUG @ PLUG @						12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA E FORMATION  SPACING & SPACING ORDER NUMBER  CLASS: Oil, Gas, Dry,	ND & TYPE ND & TYPE BY PRODUCING FORM, Viola 640/533420	PLUG @ PLUG @ Woodford 640/53342	20	TYPE TYPE WDFD Sycamore 640/533420	PLUG @ PLUG @						12	,	d to	
PACKER @BRA  COMPLETION & TEST DATA I FORMATION  SPACING & SPACING ORDER NUMBER	ND & TYPE ND & TYPE SY PRODUCING FORMA Viola	PLUG @ PLUG @ Woodford	20	TYPE TYPE WDFD Sycamore	PLUG @ PLUG @						12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA BEFORMATION  SPACING & SPACING ORDER NUMBER  CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED	ND & TYPE ND & TYPE BY PRODUCING FORM, Viola 640/533420	PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677	20 (4'	TYPE TYPE WDFD Sycamore 640/533420	PLUG @ PLUG @						12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA B FORMATION  SPACING & SPACING ORDER NUMBER  CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	ND & TYPE ND & TYPE BY PRODUCING FORM Viola 640/533420 Gas	PLUG @ PLUG @ Woodford 640/53342	20 (4' (3')	TYPE TYPE  WDFD  Sycamore 640/533420  Gas	PLUG @ PLUG @						12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA BEFORMATION  SPACING & SPACING ORDER NUMBER  CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS  ACID/VOLUME	ND & TYPE ND & TYPE BY PRODUCING FORM Viola 640/533420 Gas 7439-7459'	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677-6732'-676 6554'-663.	20 (4' (4' (4' (4' (4' (4' (4' (4' (4' (4'	TYPE TYPE  WDFD  Sycamore 640/533420  Gas 6478'-6490'	PLUG @ PLUG @						12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA I FORMATION  SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS	ND & TYPE ND & TYPE SY PRODUCING FORM, Viola 640/533420 Gas 7439-7459' 7294'-7439'	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677-6732'-676 6554'-663.	20 (4' (4' (4' (4' (4' (4' (4' (4' (4' (4'	TYPE TYPE WDFD Sycamore 640/533420 Gas 6478'-6490' 6460'-6468'	PLUG @ PLUG @ A 522						12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA BE FORMATION  SPACING & SPACING ORDER NUMBER  CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS  ACID/VOLUME Fracture Treatment	ND & TYPE ND & TYPE SY PRODUCING FORM Viola 640/533420 Gas 7439-7459' 7294'-7439' 3927 gal; 15% He 5638 bbls slick w	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677. 6732'-676 6554'-663. CL 1465 gal; tr; 6400 bbls	20 6 4' 6 3' 4' 6 15% HCL slick wtr; 3	TYPE TYPE  WDFD  Sycamore 640/533420  Gas 6478'-6490' 6460'-6468' 1045 gal; 15% 3075 bbls slick	PLUG @ PLUG @ 3523						12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA E FORMATION  SPACING & SPACING ORDER NUMBER  CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS  ACID/VOLUME Fracture Treatment	ND & TYPE ND & TYPE BY PRODUCING FORMA Viola 640/533420 Gas 7439-7459' 7294'-7439' 3927 gal; 15% He	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677-6732'-676 6554'-663.	20 6 4' 6 3' 4' 6 15% HCL slick wtr; 3	Sycamore 640/533420 Gas 6478'-6490' 6460'-6468' 1045 gal; 15%	PLUG @ PLUG @ 3523						12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA I FORMATION  SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS  ACID//OLUME Fracture Treatment (Fluids/Prop Amounts)	ND & TYPE ND & TYPE SY PRODUCING FORM Viola 640/533420 Gas 7439-7459' 7294'-7439' 3927 gal; 15% He 5638 bbls slick w 132000#'s sand	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677. 6732'-676 6554'-663. CL 1465 gal; tr; 6400 bbls	20 6 4' 8 3' 4' 6 15% HCL slick wtr; 3	TYPE TYPE  WDFD  Sycamore 640/533420  Gas 6478'-6490' 6460'-6468' 1045 gal; 15% 3075 bbls slick	PLUG @ PLUG @ A 5 2 2				1st Sal		12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA IS FORMATION  SPACING & SPACING ORDER NUMBER  CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS  ACID/VOLUME Fracture Treatment (Fluids/Prop Amounts)	ND & TYPE ND & TYPE SY PRODUCING FORM Viola 640/533420 Gas 7439-7459' 7294'-7439' 3927 gal; 15% He 5638 bbls slick w 132000#'s sand  X Request minus (165:10-17-7)	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677-6732'-676 6554'-663. CL 1465 gal; tr; 6400 bbls 159000#'s	20 6 4' 8 3' 4' 6 15% HCL slick wtr; 3	Sycamore 640/533420 Gas 6478'-6490' 6460'-6468' 1045 gal; 15% 3075 bbls slick	PLUG @ PLUG @ A 5 2 2	semR			1st Sal		12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA B FORMATION  SPACING & SPACING ORDER NUMBER  CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS  ACID/VOLUME Fracture Treatment (Fluids/Prop Amounts)	ND & TYPE ND & TYPE SY PRODUCING FORM, Viola 640/533420 Gas 7439-7459' 7294'-7439' 3927 gal; 15% He 5638 bbls slick w 132000#'s sand  X Request minus (165:10-17-7)	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677-6732'-676 6554'-663. CL 1465 gal; tr; 6400 bbls 159000#'s	20 6 4' 8 3' 4' 6 15% HCL slick wtr; 3	Sycamore 640/533420 Gas 6478'-6490' 6460'-6468' 1045 gal; 15% 3075 bbls slick	PLUG @ PLUG @ A 5 2 2	semR			1st Sal		12	,	1 1	
PACKER @ BRA  COMPLETION & TEST DATA INITIAL TEST DATA  BRA  COMPLETION & TEST DATA INITIAL TEST DATA  BRA  COMPLETION & TEST DATA  BRA  COMPLETION & TEST DATA  BRA  COMPLETION & TEST DATA  BRA  ENTITIAL TEST DATA  BRA  COMPLETION & TEST DATA  BRA  BRA  BRA  BRA  BRA  BRA  BRA	ND & TYPE ND & TYPE SY PRODUCING FORM Viola 640/533420 Gas 7439-7459' 7294'-7439' 3927 gal; 15% He 5638 bbls slick w 132000#'s sand  X Request minus (165:10-17-7)	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677-6732'-676 6554'-663. CL 1465 gal; tr; 6400 bbls 159000#'s	20 6 4' 8 3' 4' 6 15% HCL slick wtr; 3	Sycamore 640/533420 Gas 6478'-6490' 6460'-6468' 1045 gal; 15% 3075 bbls slick	PLUG @ PLUG @ A 5 2 2	semR			1st Sal		12	,	1 1	
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PACKER @ BRA  COMPLETION & TEST DATA I FORMATION  SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS  ACID//OLUME Fracture Treatment (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE OIL-BRL/DAY OIL-GRAVITY ( API) GAS-MCF/DAY	ND & TYPE ND & TYPE SY PRODUCING FORM, Viola 640/533420 Gas 7439-7459' 7294'-7439' 3927 gal; 15% He 5638 bbls slick w 132000#'s sand  X Request minus (165:10-17-7)	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677-6732'-676 6554'-663. CL 1465 gal; tr; 6400 bbls 159000#'s	20 6 4' 8 3' 4' 6 15% HCL slick wtr; 3	TYPE TYPE WDFD Sycamore 640/533420 Gas 6478'-6490' 6460'-6468' 1045 gal; 15% 55000#'s sand	PLUG @ PLUG @ A 5 2 3	SCMR	TYPE		1st Sal		12	,	1 1	
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PACKER @ BRA  COMPLETION & TEST DATA IS FORMATION  SPACING & SPACING ORDER NUMBER CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc  PERFORATED INTERVALS  ACID/VOLUME Fracture Treatment (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE OIL-BBL/DAY OIL-GRAVITY ( API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY	ND & TYPE ND & TYPE SY PRODUCING FORM Viola 640/533420 Gas 7439-7459' 7294'-7439' 3927 gal; 15% Hi 5638 bbls slick w 132000#'s sand  X Request minute (165:10-17-7) 10/2/2017 22 bbls 252 mcf	PLUG @ PLUG @ PLUG @ Woodford 640/53342 Gas 6764'-677-6732'-676 6554'-663. CL 1465 gal; tr; 6400 bbls 159000#'s	20 6 4' 8 3' 4' 6 15% HCL slick wtr; 3	TYPE TYPE WDFD Sycamore 640/533420 Gas 6478'-6490' 6460'-6468' 1045 gal; 15% 55000#'s sand	PLUG @ PLUG @ A 5 2 3	SCMR	TYPE	ED	1st Sal		12	,	1 1	
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Oklahoma City

OK STATE

73102

 $\frac{\texttt{lfenity@bwoperating.com}}{\texttt{EMAIL ADDRESS}}$ 

## PLEASE TYPE OR USE BLACK INK ONLY

Were common name and tops, if an all miles in the common of different intelled.  TOP  G64581  NOOd ford  G5341  APPROVED  DISAPPROVED	live formation names and top	os, if available, or	descriptions and th	nickness of forr	mations	LEASE NAME	Logan Be	eard		WELL NO. 1	1-31
Were coen total loga run? A yes no Date Lest log was run T/89/014  Were coen total loga run? A yes no Date Lest log was run T/89/014  Was CU, encountered? yes A no at what depths? Were unusus criting croumstances encountered? yes A no at what depths? Were unusus criting croumstances encountered? yes A no at what depths? Were unusus criting croumstances encountered? yes A no at what depths? Were unusus criting croumstances encountered? yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting croumstances encountered? Yes A no at what depths? Were unusus criting? Yes A no at what depths?  Were unusus criting? Yes A no at what depths?  Were unusus criting? Yes A no at what depths?  Were unusus criting? Yes A no at what depths?  Were unusus criting? Yes A no at what depths?  Y	illed through. Show interval	s cored or drillster	n tested.								
APPROVED DISAPPROVED 2) Reject Codes    Viviria open hole loga nin7				ГОР				FOF	R COMMISS	ION USE ONLY	
Were open hole logs nn? X yes no TANA YOUNG Date Last log was nn TANA YOUNG TO SEE COUNTY Spot Location Hole Location For Interest of hole of season and the	camore		64	58'		ITD on file	YES	NO			
Act of the property of the pro	oodford		65	54'		APPROVED	DISA	PPROVED			
Were open hole logs run? X yes no yes a no at what depths?  Was Hys encountered? yes X no at what depths?  Was Hys encountered? yes X no at what depths?  Was Hys encountered? yes X no at what depths?  Were unusual diffing crumateaces encountered? yes X no at what depths?  Were unusual diffing crumateaces encountered? yes X no at what depths?  Were unusual diffing crumateaces encountered? yes X no at what depths?  Were unusual diffing crumateaces encountered? yes X no at what depths?  Were unusual diffing crumateaces encountered?  Yes X no at what depths?  Yes X no at what depths?  Were unusual diffing crumateaces encountered?  Yes X no at what depths?  Yes X no at what	unton			1		ALLINOVED			2) Reject C	Codes	
Were open hole logs run? X yes no   Date Last log was run											
Date Last log was run  7/6/2014  Wes CO2 encountered? yes X no at what depths?  Was H <sub>2</sub> S encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Yes Y no X no Yes X no A no	1014		1/2	190'							
Date Last log was run  7/6/2014  Was RyS encountered?  Was RyS enc											
Date Last log was run  7/6/2014  Wes CO2 encountered? yes X no at what depths?  Was H <sub>2</sub> S encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Yes Y no X no Yes X no A no											
Date Last log was run  7/6/2014  Wes CO2 encountered? yes X no at what depths?  Was H <sub>2</sub> S encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Were unusual direct growstances encountered?  Yes X no at what depths?  Yes Y no X no Yes X no A no										,	
Date Last log was run  7,6/2014  Was CO, encountered?  Was H,S encountered?  Was J, encounte											
Date Last log was run  7,67/2014  Was RLS encountered?  Was RLS en											
Date Last log was run  7,76/2014  Was CO2_ encountered?											
Was C/2, encountered?  Was H <sub>2</sub> S encountered?  Was H <sub>2</sub> S encountered?  Were unusual drilling circumstances encountered?  Yes X no at what depths?  Were unusual drilling circumstances encountered?  Yes X no at what depths?  Were unusual drilling circumstances encountered?  Yes X no at what depths?  Were unusual drilling circumstances encountered?  Yes X no at what depths?  Were unusual drilling circumstances encountered?  Yes X no at what depths?  Yes County  Yes X no at what depths?  Yes County  Yes X no All Sec Lines  Yes County  Yes X no All Sec						Were open ho	ole logs run?	X yes	no		
Was LO2 encountered?  Was HyS encountered?  Were unusual drilling circumstances encountered?  Yes X no at what depths?  Yes C nounty  Yes X no at what depths?  Yes X no at what depths?  Yes X no at what depths?  Yes C nounty  Yes X no at what depths?  Yes C nounty  Yes X no at what depths?  Yes C nounty  Yes X no at what depths?  Yes C nounty  Yes X no at what depths?  Yes C no						Date Last log	was run		7	/6/2014	
Was H <sub>2</sub> S encountered? yes X no at what depths?  Were unusual drilling circumstances encountered?  Were unusual drilling circumstances encountered?  yes X no at what depths?  Were unusual drilling circumstances encountered?  yes X no at what depths?  yes X no not have a the construction of the peths of								ves	X no	at what depths?	
Were unusual drilling circumstances encountered?  We shall be shall b											
BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE  SEC WP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 Sec Lines  BOTTOM HOLE LOCATION FOR RIRECTIONAL HOLE  SEC WP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 Sec Lines  FSL PW  BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)  LATERAL #1  SEC WP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 Sec Lines  FSL PW  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property Line:  LATERAL #2  Sec TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 Sec Lines  FSC TWP RGE COUNTY  Spot Location From Lease, Unit or Property Line:  LATERAL #2  SEC TWP RGE COUNTY  Spot Location Radius of Turn Direction Total Length  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property Line:  LATERAL #2  SEC TWP RGE COUNTY  Spot Location Radius of Turn Direction Total Length  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location Radius of Turn Direction Total Length  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location Radius of Turn Direction Total Length  Depth of Deviation Radius of Turn Direction Total Length  Depth of Deviation Radius of Turn Direction Total Length  Depth of Deviation Radius of Turn Direction Total Length  Depth of Deviation Radius of Turn Direction Total Length  Depth of Deviation Radius of Turn Direction Total Length											
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BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE  SEC IVIP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 Feet From 1/4 Sec Lines FSL FW  BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)  SEC IVIP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 Feet From 1/4 Sec Lines FSL FW  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property Line:  LATERAL #2  SEC IVIP RGE COUNTY  Spot Location Radius of Turn Direction Total Length  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property Line:  LATERAL #2  SEC IVIP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 Feet From 1/4 Sec Lines FSL FW  Spot Location Radius of Turn Direction Total Length  LATERAL #3  SEC IVIP RGE COUNTY  Spot Location Radius of Turn Direction Total Length  LATERAL #3  SEC IVIP RGE COUNTY  Spot Location Radius of Turn Direction From Lease, Unit or Propert (405) 238-1807  LATERAL #3  SEC IVIP RGE COUNTY  Spot Location Radius of Turn Direction From Lease, Unit or Propert (405) 238-1807  LATERAL #3  SEC IVIP RGE COUNTY  Spot Location Radius of Turn Direction From Lease, Unit or Propert (405) 238-1807						ii yee, brieny c	эхрісіі і				
BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE  SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4						L					
SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4											
SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4											
SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	640 Acres		BOTTOM HOL	FLOCATION	FOR DI	RECTIONAL H	IOI F				
Measured Total Depth True Vertical Depth BHL From Lease, Unit, or Property Line:    BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)	0.107.16160		SEC	TWP	RGE	CC	OUNTY				
Measured Total Depth True Vertical Depth BHL From Lease, Unit, or Property Line:    BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS) LATERAL #1   SEC   TWP   RGE   COUNTY								Feet From 1/4	Sec Lines	EO	EVA
BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)  LATERAL #1  SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4								BHL From Leas	se, Unit, or F		LAA
LATERAL #1  SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 Sec Lines  FSL FW  Depth of Deviation Radius of Turn Direction Total Length  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property Line:  LATERAL #2  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Property Line:  LATERAL #2  SEC TWP RGE COUNTY  Spot Location Radius of Turn Direction From Lease, Unit or Property Line:  LATERAL #2  SEC TWP RGE COUNTY  Spot Location Radius of Turn Direction Total Length  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location Radius of Turn Direction Total Length  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location From Lease, Unit or Propert (405) 236-1807			I Wodou ou Tou	Dop		, vo					
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SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4				LE LOCATION	I FOR HO	RIZONTAL H	OLE: (LATE	RALS)			
Incree than three drainholes are proposed, attach a parate sheet indicating the necessary information. Total Depth of Deviation Increed than three drainholes are proposed, attach a parate sheet indicating the necessary information. The property Line increase of the sear spacing unit.  **True Vertical Depth**    Popth of Deviation   Radius of Turn   Direction   Total Length				TWP	RGE	C	YTNUC				
Depth of Deviation  Radius of Turn  Direction  Measured Total Length  Measured Total Depth  True Vertical Depth  Depth of Deviation  Radius of Turn  Direction  Total Length  Measured Total Depth  True Vertical Depth  Depth of Deviation  Radius of Turn  Direction  Total Length  Measured Total Depth  True Vertical Depth  End Pt Location From Lease, Unit or Property Line:  LATERAL #2  SEC  TWP  RGE  COUNTY  Spot Location  1/4  1/4  Depth of Deviation  Radius of Turn  Direction  Total Length  Feet From 1/4 Sec Lines  FSL  FW  Depth of Deviation  Radius of Turn  Direction  Total Length  Four From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC  TWP  RGE  COUNTY  Feet From 1/4 Sec Lines  FSL  FW  Total Length  Measured Total Depth  True Vertical Depth  End Pt Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC  TWP  RGE  COUNTY  Feet From 1/4 Sec Lines  FSL  FW  Total Length  Four True Vertical Depth  Direction  Total Length  Measured Total Depth  Radius of Turn  Direction  Total Length  Direction  Total Length  PSL  FW  Depth of Deviation  Radius of Turn  Direction  Total Length  PSL  FW  Depth of Deviation  Radius of Turn  Direction  Total Length  Direction  Total Length  PSL  FW  Depth of Deviation  Radius of Turn  Direction  Total Length			Spot Location					Feet From 1/4	Sec Lines		
Measured Total Depth  True Vertical Depth  End Pt Location From Lease, Unit or Property Line:  Measured Total Depth  Measured Total Depth  True Vertical Depth  End Pt Location From Lease, Unit or Property Line:  Measured Total Depth  Measured Total Depth  True Vertical Depth  End Pt Location From Lease, Unit or Property Line:  Measured Total Depth  Measured Total Depth  True Vertical Depth  End Pt Location From Lease, Unit or Property Line:  Measured Total Depth  LATERAL #2  SEC   TWP   RGE   COUNTY  Spot Location   1/4							1/4	Direction			r v v
LATERAL #2  SEC TWP RGE COUNTY  Spot Location I/4 1/4 1/4 1/4 1/4 I/4 I/4 I/4 I/4 I/4 I/4 I/4 I/4 I/4 I			1				- I - I - DI I -		oo Unit or D		
LATERAL #2  SEC TWP RGE COUNTY  Spot Location   1/4			Measured Tota	al Depth	True Vert	ical Depth	End Pt Lo	cation From Lea	se, unit or r	Toperty Line.	
sease note, the horizontal drainhole and its end birt must be located within the boundaries of the ase or spacing unit.  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	-	•	I ATERAL #2								
Spot Location 1/4 1/4 1/4 1/4 1/4 Sec Lines FSL FW.    Feet From 1/4 Sec Lines   FSL FW.	ease note, the horizontal draint	nole and its end		TWP	RGI	E   C	YTNUC				
Depth of Deviation  LATERAL #3  SEC TWP RGE COUNTY  Spot Location  1/4 1/4 1/4 1/4 1/4 1/4 1/4 SFSL FW  Depth of Deviation  Radius of Turn  Direction  Total Length  End Pt Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location  1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 SFSL FW  Depth of Deviation  Radius of Turn  Direction  Total Length  FSL FW  Depth of Deviation  Radius of Turn  Direction  Total Length  FSL FW  Depth of Deviation  Radius of Turn  Direction  Total Length  FSL FW  Depth of Deviation  Total Length  Direction  Total Length  Direction  Total Length		oundaries of the	Spot Location					Feet From 1/4	Sec Lines		
rainholes and directional wells. 640 Acres  Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Propert (405) 236-1807  LATERAL #3  SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 1/4 Feet From 1/4 Sec Lines FSL FW  Depth of Deviation Radius of Turn Direction Total Length		ulmed for all	1/4				1/4				FW
LATERAL #3  SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 Sec Lines  FSL FVV  Depth of Deviation Radius of Turn Direction Total Length	irectional surveys are req rainholes and directional	uired for all wells.	1								
SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 Sec Lines FSL FW  Depth of Deviation Radius of Turn Direction Total Length			Measured Total	al Depth	True Vert	ical Depth	End Pt Lo	cation From Lea	se, Unit or F	ropeπ (405) 236-1807	
SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 1/4 Sec Lines FSL FW  Depth of Deviation Radius of Turn Direction Total Length											
SEC TWP RGE COUNTY  Spot Location 1/4 1/4 1/4 1/4 Feet From 1/4 Sec Lines FSL FW  Depth of Deviation Radius of Turn Direction Total Length			LATERAL #3								
1/4 1/4 1/4 1/4 1/4 FSL FW  Depth of Deviation Radius of Turn Direction Total Length				TWP	RGI	E C	YTNUC				
Depth of Deviation Radius of Turn Direction Total Length			Spot Location					Feet From 1/4	Sec Lines		
			1/4				1/4	Direction			FVV
Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property Line:			Depth of Devis	auOH	Rac	iius oi Tuffi					
			Measured Tot	al Depth	True Vert	ical Depth	End Pt Lo	cation From Lea	se, Unit or F	Property Line:	

095-222263	NOTE: Attach copy of original 1002A		Oil	& Gas Conser Post Office B ma City, Oklah	noma 73152-20	Ç		CIE OCT 1 :	10 V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	الله	Form 100 Rev. 200
X ORIGINAL  AMENDED  Reason Amended	A: 222	263 I	С	Rule 165:1		(	OKLAH	OMA CO	RPORATESION	TION	
TYPE OF DRILLING OPERAT X STRAIGHT HOLE		HORIZONTAL HOLE	SPUD DATE		6/14/2014				Acres		
SERVICE WELL			DRLG FINISHED			Г			1		
f directional or horizontal, see	reverse for bottom hole location.	/P RGE	WELL COMPLETION	ON	7/7/2014	-					
Marshall	31 48	6E			9/28/2017		•				
EASE NAME Logan E		ELL NO.	1ST PROD DATE		9/28/2017						
SHL	FSL	FWL OF 1/4 SEC	RECOMP DATE								
NW 1/4 SE 1/4 NV	V 1/4 NW 1/4 19	20' 810'	Longitude if Knowr			W					E
Perrick FI	Ground	1410411	Longitude ii rulowi	•							
PERATOR NAME	W ODERATING LLC		отс/осс с	PERATOR N	0.						
DDRESS	W OPERATING, LLC			21277		-	_				
	VE., STE 1020	0.71.77	1710								
OKLAHOMA CITY	(	STATE	ZIP	73102							
OMPLETION TYPE		CASING & CEMEN	T (Form 1002C mus	t he attached	n			LOCA	TE WELL		
SINGLE ZONE			•					T	T	T	
MULTIPLE ZONE		Conductor	SIZE	WEIGHT	GRADE	F	EEI	PSI	SAX	-	IOP
Аррисацоп раце			16"			40'			265	surfac	е
COMMINGLED Application Date	9/28/2017	Surface	9 5/8"	36#	J55 STC	632'			140 sks	surfac	е
OCATION EXCEPTION ORD	1	Intermediate									
NCREASED DENSITY ORDE	626068 R NO.	Production							425	-	
	622190		5 1/2"	17#	J55 STC	7531"			400 sks	5300'	
		Liner									
PACING & SPACING	Viola	Woodford	Sycamore Sycamore	3525	9998	RW	2N		Repo	ntec	l to
RDER NUMBER LASS: Oil, Gas, Dry,	640/533420	640/533420	640/533420						Fice	10	cus
nj, Disp, Comm Disp, Svc	Gas	Gas	Gas								
ERFORATED	7439-7459'	6764'-6774'									
LIN OIVNED	7439-7459	0104-0114	6478'-6490'								
NTERVALS	7294'-7439'	6732'-6763' 6554'-6634'	6478'-6490' 6460'-6468'								
NTERVALS	7294'-7439'	6732'-6763' 6554'-6634'	6460'-6468'	HCL							
		6732'-6763'	6460'-6468'								(
ITERVALS  CID/VOLUME racture Treatment	7294'-7439' 3927 gal; 15% HCL	6732'-6763' 6554'-6634' 1465 gal; 15% HCL	6460'-6468' 1045 gal; 15% 3075 bbls slick	< wtr;							C
ITERVALS  CID/VOLUME racture Treatment	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr;	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr;	6460'-6468' 1045 gal; 15%	< wtr;							
ITERVALS  CID/VOLUME racture Treatment	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick	k wtr;					9 0	WZ.	
ITERVALS  CID/VOLUME racture Treatment	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr;	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick	k wtr;	ga Pipeline		1s	st Sales Date	98	17	
ITERVALS  CID/VOLUME racture Treatment ruids/Prop Amounts)	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	k wtr;	ga Pipeline		18	at Sales Date	92	(7)	
CID/VOLUME racture Treatment riuids/Prop Amounts)	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minimum gas (165:10-17-7)	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	k wtr;	ga Pipeline		1s	st Sales Date	98	7	)
CID/VOLUME racture Treatment r	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minuadm gas (165:10-17-7)	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	k wtr;	ga Pipeline		1s	st Sales Date	9 8	17	)
CID/VOLUME acture Treatment (luids/Prop Amounts)  IITIAL TEST DATA  IITIAL TEST DATE IL-BBL/DAY  IL-GRAVITY ( API)	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minuadm gas (165:10-17-7)	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	wtr;				st Sales Date	9 8	(7)	)
ITERVALS  CID/VOLUME Facture Treatment Fluids/Prop Amounts)  ITIAL TEST DATA  IITIAL TEST DATE  IL-BBL/DAY  IL-GRAVITY ( API)  AS-MCF/DAY	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minimum gas (165:10-17-7) 10/2/2017 22 bbls 252 mcf	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	wtr;				st Sales Date	9 3	(7)	)
CID/VOLUME racture Treatment racture Treatment ritids/Prop Amounts)  INTIAL TEST DATA  INTIAL TEST DATE IL-BBL/DAY IL-GRAVITY ( API) AS-MCF/DAY AS-OIL RATIO CU FT/BBL VATER-BBL/DAY	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minimum gas (165:10-17-7) 10/2/2017 22 bbls 252 mcf	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	wtr;	ga Pipeline			st Sales Date	7 8	17	
CID/VOLUME racture Treatment racture Treatment riuids/Prop Amounts)  IITIAL TEST DATA  IITIAL TEST DATE IIL-BBL/DAY IIL-GRAVITY ( API) AS-MCF/DAY AS-OIL RATIO CU FT/BBL IMPING OR FLOWING	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minimum gas (165:10-17-7) 10/2/2017 22 bbls 252 mcf	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	wtr;				st Sales Date	7 8	17	
CID/VOLUME Fracture Treatment Fluids/Prop Amounts)  IITIAL TEST DATA  IITIAL TEST DATE  IL-BBL/DAY  IL-GRAVITY ( API)  AS-MCF/DAY  AS-OIL RATIO CU FT/BBL  /ATER-BBL/DAY  UMPING OR FLOWING  IITIAL SHUT-IN PRESSURE	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minipadin gas (165:10-17-7) 10/2/2017 22 bbls 252 mcf  42 bbls flowing	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	wtr;		TE		st Sales Date	9 23	17	
CID/VOLUME racture Treatment riuids/Prop Amounts)  IITIAL TEST DATA  IITIAL TEST DATE  IL-BBL/DAY  IL-GRAVITY ( API)  AS-MCF/DAY  AS-OIL RATIO CU FT/BBL  /ATER-BBL/DAY  UMPING OR FLOWING  IITIAL SHUT-IN PRESSURE HOKE SIZE	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minuadm gas (165:10-17-7) 10/2/2017 22 bbls 252 mcf  42 bbls flowing	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	wtr;				at Sales Date	9 3	(7)	
ITERVALS  CID/VOLUME Facture Treatment Fluids/Prop Amounts)  IITIAL TEST DATA  IITIAL TEST DATE  IIL-BBL/DAY  IIL-GRAVITY ( API)  AS-MCF/DAY  AS-OIL RATIO CU FT/BBL  VATER-BBL/DAY  JMPING OR FLOWING  IITIAL SHUT-IN PRESSURE  HOKE SIZE	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minipadin gas (165:10-17-7) 10/2/2017 22 bbls 252 mcf  42 bbls flowing	6732'-6763' 6554'-6634' 1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand	wtr;				st Sales Date	7 3	17	
ITERVALS  CID/VOLUME Facture Treatment Fluids/Prop Amounts)  IITIAL TEST DATA  IITIAL TEST DATE  IIL-BBL/DAY  IIL-GRAVITY ( API)  AS-MCF/DAY  AS-OIL RATIO CU FT/BBL  IATER-BBL/DAY  JMPING OR FLOWING  IITIAL SHUT-IN PRESSURE  HOKE SIZE  LOW TUBING PRESSURE  record of the formations drille port, which was prepared by	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minuadm gas (165:10-17-7) 10/2/2017 22 bbls 252 mcf  42 bbls flowing	6732'-6763' 6554'-6634'  1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand  allowable Gallowable Gallowabl	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand as Purchaser/Mease  AS  I declare that I have the stated herein to be	s wtr;	BMI of the contents of	of this repo	ort and am	authorized b	y my organiza	ition to m	ake this
ITERVALS  CIDI/VOLUME Facture Treatment Fluids/Prop Amounts)  ITIAL TEST DATA  ITIAL TEST DATE FL-BBL/DAY FL-GRAVITY (API) AS-MCF/DAY AS-OIL RATIO CU FT/BBL FATER-BBL/DAY  JMPING OR FLOWING	7294'-7439' 3927 gal; 15% HCL 5638 bbls slick wtr; 132000#'s sand  X Request minuadin gas (165:10-17-7) 10/2/2017 22 bbls 252 mcf  42 bbls flowing 24/64 100#  ad through, and pertinent remarks me or under my supervision and other states and supervision a	6732'-6763' 6554'-6634'  1465 gal; 15% HCL 6400 bbls slick wtr; 159000#'s sand  allowable Gallowable Gallowabl	6460'-6468' 1045 gal; 15% 3075 bbls slick 55000#'s sand as Purchaser/Mease  AS  I declare that I have the stated herein to be	s wtr;	BMI of the contents of	of this report to the bes	ort and am	authorized b	y my organiza belief.		ake this