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

Rule 165: 10-3-25

OTC Prod. Unit No.: 121-209769 Drilling Finished Date: August 09, 2012

1st Prod Date: March 14, 2012

Completion Date: February 27, 2013

Drill Type: HORIZONTAL HOLE

Well Name: PATTERSON 1-20H17 Purchaser/Measurer:

Location: PITTSBURG 20 5N 12E

NE NW NE NW

265 FNL 1928 FWL of 1/4 SEC

Derrick Elevation: 0 Ground Elevation: 787

Operator: XTO ENERGY INC 21003

210 PARK AVE STE 2350

OKLAHOMA CITY, OK 73102-5683

	Completion Type				
	Single Zone				
	Multiple Zone				
Х	Commingled				

Location Exception		
Order No		
593485		

Increased Density			
Order No			
593322			

First Sales Date:

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20	67	J-55	67		45	SURFACE
SURFACE	13 3/8	54.50	J-55	490		450	SURFACE
INTERMEDIATE	9 5/8	40	K-55	3811		400	2370
PRODUCTION	5 1/2	20	P-110	13300		1970	7330

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
	There are no Liner records to display.							

Total Depth: 13300

Packer			
Depth Brand & Type			
There are no Packer records to display.			

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

May 06, 2013 1 of 3

	Initial Test Data									
Test Date	Formation	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 Pressure
Mar 31, 2013	WOODFORD-HUNTON			2428		363	FLOWING	1400	36/64	760

Completion and Test Data by Producing Formation

Formation Name: WOODFORD

Code: 319WDFD

Class: GAS

Spacing Orders				
Order No	Unit Size			
529920	640			

Perforated Intervals			
From	То		
8237	13188		

Acid Volumes 111,400 GALLONS

Fracture Treatments 155,572 BTW, 423,772 POUNDS 100 MESH, 2,906,566 POUNDS 40/70

Formation Name: HUNTON

Code: 269HNTN

Code:

7800

Class: GAS

Class: GAS

Spacing Orders			
Order No	Unit Size		
610825	640		

Perforated Intervals				
From	То			
8967	9578			

Acid Volumes 1,600 GALLONS

Fracture Treatments	
19,888 BTW, 54,888 POUNDS 100 MESH, 375,754 POUNDS 40/70	

Тор

Formation Name: WOODFORD-HUNTON

7760

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

Formation

HUNTON

WOODFORD

OCC: FLE ORDER HAS NOT BEEN ISSUED. WE HAVE ACCEPTED OPERATORS DATA AS SUBMITTED. IRREGULAR SECTION.

May 06, 2013 2 of 3

Lateral Holes

Sec: 17 TWP: 5N RGE: 12E County: PONTOTOC

NW NW NW NE

57 FNL 5 FWL of 1/4 SEC

Depth of Deviation: 7154 Radius of Turn: 1009 Direction: 7 Total Length: 5531

Measured Total Depth: 13300 True Vertical Depth: 7668 End Pt. Location From Release, Unit or Property Line: 57

FOR COMMISSION USE ONLY

1119011

Status: Accepted

May 06, 2013 3 of 3

API NO. 121-24653	PLEASE TYPE OR NOTE:			PORA	TION COMB	MISSION IN			F)m 100
OTC PROD. UNIT NO. 121-209769	Attach copy of original	S SUBM	ITTER	ffice B	lox 52000		APR 2	2 9 2013	200
AMENDED				165:1	noma 73152-20 0-3-25			CORPOR MISSION	ati on
Reason Amended YPE OF DRILLING OPERATI			SPUD DATE	2.		1			
STRAIGHT HOLE SERVICE WELL	_ DIRECTIONAL HOLE	HORIZONTAL HOLE	DRLG FINISHED	4/23	3/2012	ļ 	640	Acres	
	reverse for bottom hole location.	D. JDCF	MELL COMPLETIC		2012	[
Pittsburg	SEC TW	5N RGE 12E	WELL COMPLETION		/27/2013				
ASE NAME	PATTERSON	LL NO. 1-20H17	1ST PROD DATE		/2012				
11.	FNL	FWL OF 1/4 SEC	RECOMP DATE	3/14	12012				
		265 1928				w			Ε
EVATION errick FI GL: 787'	Latitude if Ground	34°53'50.8"N	Longitude if Known	96°03'53.	.1"W				
PERATOR NAME XTO	O ENERGY INC.		01C/0CC 0 21003	PERATOR NO), ———				
DRESS			21003			 			
210 PARK A	VENUE, SUITE 2350	STATE	ZIP			<u> </u>	-		
OKLAHOMA CITY	, 	OKLAH	OMA	73102	_		LOCAT	E WELL	
MPLETION TYPE		CASING & CEMENT (F	orm 1002C must be	attached)			1	1	
SINGLE ZONE	<u> </u>	Conductor	SIŁE	WEIGHI	GRADE	PEET	PSI	SAX	TOP OF CMI
Application Date COMMINGLED			20"	67	J-55	67		45	Surface
X Application Date	4/10/2013	Surface	13 3/8"	54.50	J-55	520		450	Surface
CATION EXCEPTION ORDE	ER NO.	Intermediate	9 5/8"	40	K-55	3811		400	2370
CREASED DENSITY ORDER	R NO.	Production	3 3/0		, (-00	3011		100	
3322		Liner	5 1/2"	20	P-110	13,300		1970	7330
		Leuiei			1		/ /		
~	ND & TYPE	PLUG @	TYPE	PLUG @		TYPE	тота	L DEPTH	13,300
CKER @BRA	ND & TYPE	PLUG @	TYPE	PLUG @		TYPE			
CKER @BRA			TYPE	PLUG @		TYPE			13,300' Frac /
CKER @ BRA DIMPLETION & TEST DATA RMATION	ND & TYPE	PLUG @	TYPE	PLUG @		TYPE			
CKER @ BRA MPLETION & TEST DATA RMATION ACING & SPACING	ND & TYPE BY PRODUCING FORMATION	PLUG®	TYPE	PLUG @		TYPE			
CKER @ BRA CMPLETION & TEST DATA CRMATION FACING & SPACING RDER NUMBER ASS: Oil, Gas, Dry,	WOODFORD 640:529920	PLUG @ SKIWDFD HUNTON 640: 529920	TYPE	PLUG @		TYPE			
CKER @ BRA MMPLETION & TEST DATA RMATION ACING & SPACING IDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc	WOODFORD 640:529920 Gas	PLUG @ SKINDFD HUNTON 640: 529920 Gas	TYPE	PLUG @		TYPE			
CKER @ BRA IMPLETION & TEST DATA RMATION ACING & SPACING IDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED	WOODFORD 640:529920 Gas 12 Stages	HUNTON 640: 529920 Gas 2 STAGES	TYPE	PLUG @		TYPE			
CKER @ BRA IMPLETION & TEST DATA RMATION ACING & SPACING IDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED	WOODFORD 640:529920 Gas 12 Stages	PLUG @ SKINDFD HUNTON 640: 529920 Gas	TYPE	PLUG @		TYPE			
CKER @ BRA MPLETION & TEST DATA RMATION ACING & SPACING DER NUMBER ASS: OII, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS	WOODFORD 640:529920 Gas 12 Stages	HUNTON 640: 529920 Gas 2 STAGES	TYPE	PLUG @		TYPE			
CKER @BRA IMPLETION & TEST DATA RMATION ACING & SPACING EDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS ID/VOLUME Include Treatment	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578	TYPE	PLUG @		TYPE			
DRACKER @ BRA DIMPLETION & TEST DATA DRIMATION PACING & SPACING RDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS EID/VOLUME acture Treatment	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals	TYPE	PLUG @		TYPE			
CKER @BRA IMPLETION & TEST DATA RMATION ACING & SPACING EDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS ID/VOLUME Include Treatment	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh	TYPE	PLUG @		TYPE			
DRMATION & TEST DATA DRMATION PACING & SPACING RDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS ID/VOLUME acture Treatment	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375;754# 40/70	14PE	PLUG @		TYPE			
DRACKER @ BRA DIMPLETION & TEST DATA DRAMATION PACING & SPACING ROER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS RID/VOLUME acture Treatment uids/Prop Amounts)	ND & TYPE BY PRODUCING FORMATION WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-17,77)	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375;754# 40/70	TYPE	PLUG @		TYPE	i perte		
CKER @ BRA PMPLETION & TEST DATA RMATION ACING & SPACING EDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS TIAL TEST DATA TIAL TEST DATA	ND & TYPE BY PRODUCING FORMATION WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-17) 3/31/2013	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375;754# 40/70	14PE	PLUG @		TYPE	i perte		
CKER @ BRA DIMPLETION & TEST DATA DIMPLETION & TEST DATA DIRMATION ACING & SPACING RDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED PERVALS ID/VOLUME ICIUM Treatment Lids/Prop Amounts) TIAL TEST DATA TIAL TEST DATE L-BBL/DAY	ND & TYPE BY PRODUCING FORMATION WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-17,77)	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375;754# 40/70	14PE	PLUG @		TYPE	i perte		
CKER @BRA IMPLETION & TEST DATA RMATION ACING & SPACING CDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS ID/VOLUME ICTURE Treatment Lids/Prop Amounts) TIAL TEST DATA TIAL TEST DATE _BBL/DAY _GRAVITY (API)	MOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-17,7) 3/31/2013 N/A	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375;754# 40/70	14PE	PLUG @		TYPE	i perte		
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MPLETION & TEST DATA MPLETION & TEST DATA RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS D/VOLUME cture Treatment iids/Prop Amounts) FIAL TEST DATA PLAL TEST DATE BBL/DAY GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBL/DAY	MOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-17,77) 3/31/2013 N/A N/A 2428 N/A 363	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375;754# 40/70	14PE	PLUG @		TYPE	i perte		
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MPLETION & TEST DATA MPLETION & TEST DATA RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS D/VOLUME cture Treatment iids/Prop Amounts) TIAL TEST DATA TIAL TEST DATE -BBL/DAY -GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBL/DAY MPING OR FLOWING TIAL SHUT-IN PRESSURE	MOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-17/2) 3/31/2013 N/A N/A 2428 N/A 363 Flowing 1400	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375;754# 40/70	14PE	PLUG @		TYPE	i perte		
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CKER @ BRA DIMPLETION & TEST DATA REMATION ACING & SPACING ROER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc REFORATED TERVALS ID/VOLUME Industry Treatment	MOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-17/2) 3/31/2013 N/A N/A 2428 N/A 363 Flowing 1400 36/64" 760	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375,754# 40/70 allowable Gas	Purchaser/Measurer	PLUG @		TYPE R	t Sales Date	ed to	Fixe F
DMPLETION & TEST DATA DMPLETION & TEST DATA DRMATION PACING & SPACING ROER NUMBER LASS: Oil, Gas, Dry, Disp, Comm Disp, Svc REFORATED TERVALS REFORATE THAL TEST DATA REFORATE L-BBL/DAY L-GRAVITY (API) L-GRAVITY (API) L-GRAVITY (API) REFORATE THAL SHUT-IN PRESSURE REFORATED THAL SHUT-IN PRESSURE REFORATED THAL SHUT-IN PRESSURE REFORATED TO THE TERMINIST THAT THE THAT THE TERMINIST THAT THE TERMINIST THAT THE TERMINIST THAT THE	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-17,77 3/31/2013 N/A N/A 2428 N/A 363 Flowing 1400 36/64" 760 d through, and pertinent remarks	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375;754# 40/70	Purchaser/Measurer	PLUG @	e contents of the	TYPE	t Sales Date	ry organization	Fige F
MACKER @ BRA MACING & SPACING ROER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc REFORATED TERVALS DID/OLUME acture Treatment uids/Prop Amounts) TIAL TEST DATA TIAL TEST DATE BBL/DAY GRAVITY (API) S-MCF/DAY MPING OR FLOWING TIAL SHUT-IN PRESSURE DOKE SIZE DOW TUBING PRESSURE BECOTG of the formations driller oft, Mich was prepared by refered to the formations driller oft, Mich was prepared by refered to the formations driller out, which was prepared by refered.	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-177) 3/31/2013 N/A N/A 2428 N/A 363 Flowing 1400 36/64" 760 d through, and pertinent remarks me or under my supervision and	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 375,754# 40/70 allowable Gas are presented on the reverse. To direction, with the data and facts so Debbie Waggoner, Regular Company Comp	Purchaser/Measurer	PLUG @	e contents of the	TYPE Is Is Is Is A/26/	it Sales Date	ny organization iief.	Frac F
CKER @ BRA MMPLETION & TEST DATA MMATION ACING & SPACING RDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS ID/VOLUME Icture Treatment IIIAL TEST DATA TIAL TEST DATE -BBL/DAY -GRAVITY (API) S-MCF/DAY MPING OR FLOWING TIAL SHUT-IN PRESSURE OKE SIZE DW TUBING PRESSURE BECOTG of the formations driller ort, which was prepared by refered to the formation of driller oft, which was prepared by refered to the formation of driller ort, which was prepared by refered to the formation of driller ort, which was prepared by refered.	MOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas (165:10-1777) 3/31/2013 N/A N/A 2428 N/A 363 Flowing 1400 36/64" 760 d through, and pertinent remarks the or under my supervision and	HUNTON 640: 529920 Gas 2 STAGES 8 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 325;754# 40/70 allowable Gas are presented on the reverse. To direction, with the data and facts of Debbie Waggoner, Regunder (PRINT OR TYPE)	Purchaser/Measurer Beclare that I have know that the derein to be troublatory Analyst	PLUG @	e contents of the	TYPE 1s 1s his report and am authe best of my know	t Sales Date	ny organization lief. 405-2	Frac F

PLEASE TYPE OR USE BLACK INK ONLY FORMATION RECORD

live formation names and tops, if available, or descriptions and thickness of formations LEASE NAME **PATTERSON** WELL NO. 1-20H17 rilled through. Show intervals cored or drillstem tested. AMES OF FORMATIONS TOP FOR COMMISSION USE ONLY ITD on file APPROVED DISAPPROVED 2) Reject Codes Were open hole logs run? yes X Date Last log was run Was CO₂ encountered? yes X ΠO at what depths? yes X at what depths? Was H₂S encountered? no Were unusual drilling circumstances encountered? _yes_X If yes, briefly explain. ier remarks: **IRREGULAR SECTION** BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE 640 Acres TWP !RGE COUNTY Feet From 1/4 Sec Lines Spot Location 1/4 FSL **FWL** 1/4 True Vertical Depth BHL From Lease, Unit, or Property Line: Measured Total Depth **BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)** LATERAL #1 **PITTSBURG** 17 Feet From 1/4 Sec Lines Spot Location NW NW 1/4 FN 1/4 NW 2645 FWL Direction Total Length Depth of Deviation Radius of Turn 7154 1009.7' 7.4° 5531.6' Measured Total Depth True Vertical Depth End Pt Location From Lease, Unit or Property Line: are than three drainholes are proposed, attach a 13,300 7668' 57 FNL & 2645 FWL trate sheet indicating the necessary information. LATERAL #2 ction must be stated in degrees azimuth. se note, the horizontal drainhole and its end TWP RGE COUNTY t must be located within the boundaries of the e or spacing unit. Spot Location Feet From 1/4 Sec Lines FSL **FWL** 1/4 1/4 1/4 Radius of Turn Direction Total Length ectional surveys are required for all Depth of Deviation inholes and directional wells. End Pt Location From Lease, Unit or Property Line: 640 Acres Measured Total Depth True Vertical Depth LATERAL #3 COUNTY SEC TWP RGE Spot Location Feet From 1/4 Sec Lines **HVVL** FSL 7/4 Depth of Deviation Radius of Turn Direction Total Length End Pt Location From Lease, Unit or Property Line: Measured Total Depth True Vertical Depth

121-2465	PLEASE TYPE OR				5/1//	' চি		CILVN	7 m 100
OTC PROD. UNIT NO		S SUBM	TTEN	onser	ATION COMI vation Division Box 52000		APR !	2 9 2013	Dev. 2007
A ORIGINAL A		o ooniii		Oklah	noma 73152-2				- 70
AMENDED	09769 1////			ETIO	0-3-25	OKL	AHOMA COMN	CORPOR MISSION	atio n
YPE OF DRILLING OPERA STRAIGHT HOLE	DIRECTIONAL HOLE	HORIZONTAL HOLE	SPUD DATE		3/2012]	640	Acres	
SERVICE WELL directional or horizontal, se	e reverse for settle force tocaren.	- DOI-17E	DRLG FINISHED	8/0	/2012		1		
OUNTY	SEC TWP	RGE	WELL COMPLETION		12012	 			
Pittsburg EASE NAME		5N 12E L NO.	1ST PROD DATE	2.	/27/2013		<u> </u>		
	PATTERSON	1-20H17		3/14	/2012				
HL NE 1/4 NW 1/4 N	FNL IE 1/4 NW 1/4 2	FWL OF 174 SEC 265 1928	RECOMP DATE			w			
EVATION	Latitude if k	Known	Longitude if Known			 			E
errick FI GL: 787' PERATOR NAME	Ground	34°53'50.8"N	IOTC/OCC O	96°03'53 PERATOR N		│ 	 		
DDRESS X	TO ENERGY INC.	<u> </u>	21003						
210 PARK A	AVENUE, SUITE 2350								
OKLAHOMA CIT	Y	STATE OKLAHO	MA ZIP	73102					
OMPLETION TYPE		<u> </u>		-		J <u>L </u>	LOCAT	E WELL	
SINGLE ZON		CASING & CEMENT (For		1		1			
MULTIPLE ZONE	<u> </u>	Conductor	SIZE	WEIGHT	GRADE	ree!	PSI	SAX	TOP OF CMI
Application Date		Surface	20"	67	J-55	67		45	Surface
X Application Date	4/10/2013		13 3/8"	54.50	J-55	520		450	Surface
93485 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	DER NO.	Intermediate	9 5/8"	40	K-55	3811		400	2370
CREASED DENSITY ORDE	R NO.	Production	0 0/0		1,00		-	100	
93322		Liner	5 1/2"	20	P-110	13,300		1970	7330
- 39 33237	sep allow	Lines							
CKER @BRA	AND & TYPE		TYPE	PLUG @		TYPE	TOTA	L DEPTH	13,300'
	AND & TYPE	PLUG @	TYPE			TYPE			
	DV DDODUCING CODMATION C			PLUG @			- ,	1.	1/2
	BY PRODUCING FORMATION <	SAWOFD,	26911	77V			- -porte	ed to	Frac F
RMATION	WOODFORD	HUNTON	100	70			- -porte	ed to	Frac F
RMATION ACING & SPACING EDER NUMBER		1	100 (00)	71/N	wb		porto	ed to	Frac F
PRMATION ACING & SPACING RDER NUMBER ASS: Oil, Gas, Dry,	WOODFORD 640:529920	HUNTON 640: 529920	99	7N 9HN	wh		- porte	ed to	Frac F
RMATION ACING & SPACING IDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc	WOODFORD 640:529920 Gas	HUNTON 640: 529920 Gas	99	77/ 9HW	wb		- porte	ed to	Frac F
RMATION ACING & SPACING IDER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc	WOODFORD 640:529920 Gas 12 Stages	HUNTON 640: 529920 Gas 2 STAGES	99	9HH	wb		- Porte	-d to	Frac F
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc	WOODFORD 640:529920 Gas	HUNTON 640: 529920 Gas 2 STAGES	99	77V	wb		- -pr/te	ed to	Frac F
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS D/VOLUME	WOODFORD 640:529920 Gas 12 Stages	HUNTON 640: 529920 Gas 2 STAGES	99	91HV	wb		- -parte	-d to	Frac F
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS DIVOLUME cture Treatment	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578	99	9HW	wb		- -porte	ed to	Frac F
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Cornrn Disp, Svc RFORATED ERVALS ID/VOLUME cture Treatment	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals	99	91HV	wb		- -parte	ed to	Frac F
ACING & SPACING ACING & SPACING ACING & SPACING ASS: Oil, Gas, Dry, Disp, Cornrn Disp, Svc RFORATED ERVALS ID/VOLUME Icture Treatment	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh	99	9HW	wb		- -parte	ed to	Frac F
ORMATION ACING & SPACING ACING & SPACING ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED TERVALS ID/VOLUME Include Treatment	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	99	9HW	W	Re		of to	Frac F
ACING & SPACING ACING & SPACING ACING & SPACING ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS ID/VOLUME cture Treatment Lids/Prop Amounts)	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas a (166:10-17)	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	archaser/Measurer	91W	wb	Re	st Sales Date	3/A/	Frac F
DRMATION JACING & SPACING ROBER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED FERVALS ID/VOLUME ID/VOL	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas at (185:10-13.2) 3/31/2013	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	urchaser/Measurer	91 (N	wb	Re		A to	Frac F
ACING & SPACING ACING & SPACING ACING & SPACING ASS: Oil, Gas, Dry, Disp, Cornrn Disp, Svc RFORATED ERVALS IDVOLUME ICTURE Treatment Lids/Prop Amounts) FIAL TEST DATA FIAL TEST DATE -BBIJDAY	WOODFORD 640.529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Resulest minimum gas at (165:10-17) 3/31/2013 N/A	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	urchaser/Measurer	9HW	wb	Re		3/H	Frac F
ACING & SPACING ACING & SPACING ACING & SPACING ASS: Oil, Gas, Dry, Disp, Cornrn Disp, Svc RFORATED TERVALS ID/VOLUME Interest Data TIAL TEST DATA TIAL TEST DATE -BBI/DAY -GRAVITY (API)	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Resulest minimum gas at (165:10-17) 3/31/2013 N/A N/A	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	urchaser/Measurer	91W	wb	Re		A to	Frac F
DRMATION ACING & SPACING RDER NUMBER ASS: Oil, Gas, Dry, Disp, Cornrn Disp, Svc RFORATED FERVALS ID/VOLUME Icture Treatment Lids/Prop Amounts) TIAL TEST DATA TIAL TEST DATE BBI/DAY GRAVITY (API) S-MCF/DAY	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Beauest mnimum gas at (185:10-132) 3/31/2013 N/A N/A 2428	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	urchaser/Measurer	91 (M	wb	Re		A to	Frac F
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS ID/VOLUME cture Treatment aids/Prop Amounts) FIAL TEST DATA TIAL TEST DATE	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Resulest minimum gas at (165:10-17) 3/31/2013 N/A N/A	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	urchaser/Measurer	9HW	W	Re		A to	Frac F
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS D/VOLUME cture Treatment ids/Prop Amounts) FIAL TEST DATA IAL TEST DATE BBUDAY GRAVITY (API) G-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBL/DAY	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas a (165:10-17) 3/31/2013 N/A N/A 2428 N/A	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	urchaser/Measurer	9HW	W	Re		A to	Frac F
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS D/VOLUME cture Treatment pids/Prop Amounts) FIAL TEST DATA FIAL TEST DATE BBI/DAY GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBI/DAY MPING OR FLOWING	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas a (165:10-17) 3/31/2013 N/A N/A 2428 N/A 363	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	archaser/Measurer	91W		Re		A to	Frac F
REMATION ACING & SPACING ROER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED FERVALS ID/VOLUME ICTURE Treatment Lids/Prop Amounts) FIAL TEST DATA FIAL TEST DATE -BBI/DAY -GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBI/DAY MPING OR FLOWING TIAL SHUT-IN PRESSURE OKE SIZE	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas at (165:10-17) 3/31/2013 N/A N/A 2428 N/A 363	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	urchaser/Measurer	9HW		Re		A to	Frac F
PRIMATION PACING & SPACING ROER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED FERVALS ID/VOLUME RICKLING TREATMENT RIAL TEST DATA TIAL TEST DATA TIAL TEST DATE -BBI/DAY -GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL ITER-BBI/DAY MPING OR FLOWING TIAL SHUT-IN PRESSURE OKE SIZE	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas at (165:10-17) 3/31/2013 N/A N/A 2428 N/A 363 Howing 1400	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 376,754# 40/70	archaser/Measurer	9HW	() () () () () () () () () ()	Re		A to	Frac F
ACING & SPACING ACING & SPACING ACING & SPACING ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED ERVALS IDAVOLUME ACINE Treatment Lids/Prop Amounts) FIAL TEST DATA FIAL TEST DATE -BBL/DAY -GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBL/DAY MPING OR FLOWING TIAL SHUT-IN PRESSUPE DOKE SIZE DW TUBING PRESSURE ACCORD OF THE TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Beauest minimum gas at (185:10-132) 3/31/2013 N/A N/A 2428 N/A 363 Flowing 1400 36/64 760 For through, and pertinent remarks at through the control of through throu	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 378,754# 40/70 Howable Gas Pu	clare that I have kno	9HM	contents of tr	Residence of the second and am an amount of the second and am an amount of the second and am an amount of the second and	st Sales Date	3/A	(2)
DRMATION PACING & SPACING RDER NUMBER LASS: Oil, Gas, Dry, , Disp, Comm Disp, Svc RFORATED TERVALS CID/VOLUME acture Treatment uids/Prop Amounts) ITIAL TEST DATA TIAL TEST DATA TIAL TEST DATE L-BBL/DAY L-GRAVITY (API) S-MCF/DAY MPING OR FLOWING TIAL SHUT-IN PRESSURE ECOT of the formations drille ort, which was prepared by	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas a (166:10-17) 3/31/2013 N/A N/A 2428 N/A 363 Flowing 1400 36/64 760 ad through, and pertinent remarks a me or under my supervision and dimering the control of the control o	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 378,754# 40/70 Rowable Gas Pare presented on the reverse. I decection, with the data and facts state Debbie Waggoner, Regular	clare that I have kno	9HM	contents of tr	as report and arm at the best of my know 4/26/	st Sales Date	y organization ef.	to make this
REMATION ACING & SPACING ROER NUMBER ASS: Oil, Gas, Dry, Disp, Comm Disp, Svc RFORATED FERVALS ID/VOLUME Interest DATA FIAL TEST DATA FIAL TEST DATA FIAL TEST DATE -BBI/DAY -GRAVITY (API) S-MCF/DAY MPING OR FLOWING FIAL SHUT-IN PRESSUPE DOW TUBING PRESSURE EXCORD Of the formations drilled ont, which was prepared by	WOODFORD 640:529920 Gas 12 Stages 8237-9217,9681-13188 111,400 gals 155,572 BTW 423,772# 100 Mesh 2906566# 40/70 Request minimum gas at (165:10-17) 3/31/2013 N/A N/A 2428 N/A 363 Flowing 1400 36/64 760 at through, and pertinent remarks a me or under my supervision and discussed as a gapanese.	HUNTON 640: 529920 Gas 2 STAGES 8967-9089,9324-9578 1600 gals 19,888 BTW 54,888# 100 Mesh 378,754# 40/70 Illowable Gas Pure presented on the reverse. I detection, with the data and facts state Debbie Waggoner, Regular NAME (PRINT OR TYPE)	clare that I have kno	PHW wiledge of the a, correct, and	d complete to t	The state of the s	st Sales Date	y organization ef. 405-2 PHONE	to make this 32-4011 NUMBER