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

Rule 165: 10-3-25

API No.: 35081240880000 **Completion Report** Spud Date: September 02, 2011

OTC Prod. Unit No.: 081-206527 Drilling Finished Date: September 30, 2011

1st Prod Date: October 18, 2011

Completion Date: October 18, 2011

Min Gas Allowable: Yes

Drill Type: **HORIZONTAL HOLE** 

**DIRECTIONAL HOLE** 

Well Name: HERON 1-28H Purchaser/Measurer: SCOSSORTAIL

LINCOLN 21 14N 5E Location: First Sales Date: 10/18/2011

NE SE SE SE 341 FSL 2350 FWL of 1/4 SEC

Derrick Elevation: 0 Ground Elevation: 921

EQUAL ENERGY US INC 22671

4801 GAILLARDIA PKWY STE 325 **OKLAHOMA CITY, OK 73142-1920** 

Completion Type					
Х	Single Zone				
	Multiple Zone				
	Commingled				

Operator:

Location Exception			
Order No			
588394			
592677			

Increased Density
Order No
There are no Increased Density records to display.

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8			629		270	SURFACE
PRODUCTION	7			5417		195	1229

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

Total Depth: 9600

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

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

January 30, 2012 1 of 3

				Initial Tes	t 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
Nov 02, 2011	HUNTON			380		6204	PUMPING	60	·	

#### **Completion and Test Data by Producing Formation**

Formation Name: HUNTON

Code: 269HNTN

Class: GAS

Spacing Orders					
Order No	Unit Size				
587454	640				

Perforated Intervals					
From To					
5289	9545				

**Acid Volumes** 

There are no Acid Volume records to display.

There are no Fracture Treatments records to display.

Formation	Тор
CHECKERBOARD	2742
OSWEGO	3512
VERDIGRIS	3644
PINK LIME	3840
INOLA	3993
BROWN LIME	4136
MISSISSIPPI LIME	4518
WOODFORD	4584
HUNTON	4618
SYLVAN	4710

Were open hole logs run? Yes Date last log run: September 10, 2011

Were unusual drilling circumstances encountered? No Explanation:

#### Other Remarks

There are no Other Remarks.

January 30, 2012 2 of 3

#### **Bottom Holes**

Sec: 28 TWP: 14N RGE: 5E County: LINCOLN

SE SW NE NE

1536 FSL 1814 FWL of 1/4 SEC

Depth of Deviation: 0 Radius of Turn: 0 Direction: 0 Total Length: 0

Measured Total Depth: 5525 True Vertical Depth: 4767 End Pt. Location From Release, Unit or Property Line: 826

#### **Lateral Holes**

Sec: 28 TWP: 14N RGE: 5E County: LINCOLN

SW NW SE SE

688 FSL 1638 FWL of 1/4 SEC

Depth of Deviation: 5289 Radius of Turn: 1303 Direction: 180 Total Length: 3626

Measured Total Depth: 8990 True Vertical Depth: 4746 End Pt. Location From Release, Unit or Property Line: 688

Sec: 28 TWP: 14N RGE: 5E County: LINCOLN

NW NE NW SW

2635 FSL 686 FWL of 1/4 SEC

Depth of Deviation: 5416 Radius of Turn: 4672 Direction: 249 Total Length: 29

Measured Total Depth: 9600 True Vertical Depth: 4704 End Pt. Location From Release, Unit or Property Line: 686

#### FOR COMMISSION USE ONLY

1112823

Status: Accepted

January 30, 2012 3 of 3

API 081-24088
OTC PROD. 081-206527

PLEASE TYPE OR USE BLACK NOTE:

Attach copy of original 10 A5 if recompletion or reent

## AS SUBMITTED

RECEIVED

DEC **02** 2011

Form 1002A Rev. 2009

### OKLAHOMA CORPORATION COMMISSION

X ORIGINAL AMENDED (Reason)				<u> </u>	<u> </u>			[[[]]					<b>5</b> 011	******	JO:01	•
TYPE OF DRILLING OPERATION						SPUD I			2-2011				640	Acres		
SERVICE WELL	DIRECTIONAL HO	_	X_HORIZ	ZONTAL H	OLE		FINISHED		-2011							
If directional or horizontal, see n			n. WP <b>14N</b>	RGF	05E		OF WELL		3-2011							
LEASE	HERON		1-714	WELL	1-28H		ETION OD DATE		3-2011							
NE 1/4 SE 1/4 SE		FSL OF	341'	NO. FWL OF			MP DATE	10-10	-2011	W	/		2	1		
ELEVATIO Groun		1/4 SEC Latitude (if		1/4 SEC	2550	Longitu										
N Demick			•		ОТС	(if know	n)		074							
NAME E ADDRESS	QUAL ENER 4801 S		•	DADK		RATOR	_	2.2	671							
			AKDIA		VVAT -			70	112							X
	AHOMA CIT	<u> </u>		STATE	SENT (Fac	OK	ZIP		142			L	OCAT	E WEI	L	
X SINGLE ZONE			CASI	TYPE		m 1002	2C must be WEIGHT	GRADE		FEET		PSI	8	SAX	ТОР	OF CMT
MULTIPLE ZONE			COND	UCTOR					_				$\vdash$			
Application Date COMMINGLED			SURF		<del>-</del>   9	5/8				629			2	70	SUF	RFACE
Application Date	8394 (INTER	SIW)	-	RMEDIATE	_	0.0							<del>-</del>			
INCREASED DENSITY	0001 (111121		-	UCTION		7				5417			15	95	1	229
ORDER NO.			LINER	₹		-										
PACKER @BRAN	ID & TVDE		PLUG			TVDE		PLUC @		TYPE			TOTAL		+0	<del>545,-</del>
PACKER @ BRAN	ID & TYPE		PLUG	@		TYPE		_PLUG@		TYPE		_	DEPTI	н	90	00
COMPLETION & TEST DAT			ATION	269 F	1NTA	/		_								
FORMATION SPACING & SPACING	HUNT													<u> </u>		
ORDER NUMBER CLASS: Oil, Gas, Dry, Inj,	5874		40)								-			<u> </u>		
Disp, Comm Disp, Svc	GAS															
PERFORATED	5289-893	<u> </u>														
INTERVALS	5416-954	5 (OH)					_				-					
ACID/VOLUME											<del>                                     </del>					
FRACTURE TREATMENT (Fluids/Prop Amounts)																
(Taldan Top Alliads)(a)											<del>                                     </del>					
		Min Gas A		ı	(165:10-17	-7)	_		Purchaser/I	/leasurer	,				ORTA	
INITIAL TEST DATA	x	Oil Allowa	OR able	(165:10-1	3-3)			First	Sales Date			_	1	0/18	3/2011	<u> </u>
NITIAL TEST DATE	11/2/20	011		•												
OIL-BBL/DAY	N/A	\ \ \														
OIL-GRAVITY ( API)	N/A	<u> </u>														
GAS-MCF/DAY	379.	7										_				
GAS-OIL RATIO CU FT/BBL	N/A	· -					•									
WATER-BBL/DAY	620-	4									1					
PUMPING OR FLOWING	PUMP	ING														
NITIAL SHUT-IN PRESSURE	60	_					_									
CHOKE SIZE							_									
FLOW TUBING PRESSURE																
A record of the formations drift to make this report which was	led through sind pe properly by me or	rtinent rem under my	arks are pr supervision	resented or and direct	the revers	e. I dec	clare that I hand facts sta	ave knowle ted herein t	dge of the co	ontents o	f this repo d complete	ort and am e to the b	author	my kno	wledge a	and belief
1. M					LOR	RI L.	YOWEL	L			_//	130/2	20/1			2-6086
SIENAT 4801 GAKLARDIA P		225	OKI	۸ ۲۰۳۷			T OR TYPE			المنا		DATE equale	nere			UMBER
ADDRE		323		A CITY		ATE	73142 ZIP			iyC	well@ EM	AIL ADD			<u>-a</u>	

#### PLEASE TYPE OR USE BLACK INK ONLY

FORMATION RECORD
Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

NAMES OF FORMATIONS	ТОР
Checkerboard	2,742
Oswego	3,512
Verdigris	3644
Pink Lime	3,840
Inola	3,993
Brown Lime	4,136
Mississippi Lime	4,518
Woodford	4,584
Hunton	4,618
Sylvan	4,710

LEASE NAME	_	HERON		WEL	L NO	1-28H
-		FO	R COMMIS	SION USE ONLY		
APPROVED	YES DISAPPRO	VED NO	2) Reject	Codes		
			-			
Were open hole logs				011		
Date Last log was rur	1		9/10/2		-	
Date Last log was rur	ı d?	yes	9/10/2 _x _no	at what depths?		
Date Last log was rur  Was CO <sub>2</sub> encountered  Was H <sub>2</sub> S encountered  Were unusual drilling	nd? d? d:circumstance	yes	9/10/2 x no x no	at what depths?		
Date Last log was rur	nd? d? d:circumstance	yes	9/10/2 x no x no	at what depths?		

# 640 Acres Х

Other remarks:

If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.

Direction must be stated in degrees azimuth.
Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all drainholes and directional wells.

640 Acres										
-										
-										

#### BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC 28 TWP	14N	RGE	05E	COUNTY	,	LI	NCOL	-N		
Spot Location SE 1/4	sw	1/4	NE 1/4	NE	1/4	Feet From 1/4 Sec Lines	FSL	1592'	FWL	1832'
Measured Total Dept	h		True Vertical De	pth		BHL From Lease, Unit, or Prop	erty Line	<b>&gt;</b> :		
- <del>546</del> 6	¥ 55.	25	47	37'						

#### BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERA	L #1											
SEC 28	3 TWP	14N	RGE	05E	COUNTY	,		LI	NCOL	N		_
Spot Loca	ation 1/4	NW	1/4	SE	1/4 SE	1/4	Feet From 1/4 S	Sec Lines	FSL	743'	FWL	1638'
Depth of Deviation		5289'		Radius of Tur	<sup>n</sup> 130	3	Direction	180.2	Total Length	1	3,626	
Measured	i Total De	epth		True Vertical	Depth		BHL From Lease	e, Unit, or Prop	erty Line	:		
	<del>8,8</del>	135 B99	70	4	,745							

SEC	28	TWP	14N	RĞE	05E	COUNTY	L	INCOLN	
Spot I		ion 1/4	SE	1/4	SW 1/4	NW 1/4	Feet From 1/4 Sec Lines	FSL 15'	FWL 737
Depth Devia			5416'		Radius of Turn	4672	Direction 249.5	Total Length	29'
Measi	ured -	Total De	pth		True Vertical De	pth	BHL From Lease, Unit, or Pro	perty Line:	
		-95	<del>45</del> 760	$\mathcal{O}$	470	3.8			

SEC	TWP	RGE		COUNTY			
Spot Loc	cation	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation			Radius of Turn		Direction	Total Length	
Measure	d Total Depth		True Vertical De	pth	BHL From Lease, Unit, or Pr	operty Line:	

## API NUMBER: 081 24088

Wellhead Protection Area?

 Category of Pit:
 1B

 Liner required for Category: 1B

 Pit Location is
 AP/TE DEPOSIT

 Pit Location Formation:
 TERRACE

Pit is located in a Hydrologically Sensitive Area.

Oil & Gas

Horizontal Hole

#### OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)

Approval Date: 08/29/2011

Expiration Date: 02/29/2012

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 14N Rge: 5E	County: LINC	OLN		
or or coormon. Inc   oc   oc	ROM QUARTER: FROM ON LINES:		EAST 290	
Lease Name: HERON	Well No:	1-28H	Well will be	290 feet from nearest unit or lease boundary.
Operator EQUAL ENERGY US INC Name:		Telephone: 4052	2426000	OTC/OCC Number: 22671 0
EQUAL ENERGY US INC 4801 GAILLARDIA PKWY STE 325 OKLAHOMA CITY, OK 7314	<b>1</b> 2-1920	The second secon	JIMMY AND LINDA 1 BOX 494 DAVENPORT	OK 74026
Formation(s) (Permit Valid for Listed Formation	ons Only): Depth		Name	Depth
1 HUNTON 2	4595	6 7		
3		8		
4		9		
5		10	1 - 1	
Spacing Orders: 587454	Location Exception	n Orders: 588394	592677 F.O.	Increased Density Orders:
Pending CD Numbers:	2011031	02-4 Ho	UD LE	Special Orders:
Total Depth: 10241 Ground Elevation: 921	Surface	Casing: 600	Dept	h to base of Treatable Water-Bearing FM: 250
		Deep	surface casing has beer	n approved
Under Federal Jurisdiction: No	Fresh Wate	er Supply Well Drilled:	No	Surface Water used to Drill: Yes
PIT 1 INFORMATION		App	roved Method for disposal of Dril	ting Fluids:
Type of Pit System: ON SITE		A. I	Evaporation/dewater and backfill	ing of reserve pit.
Type of Mud System: WATER BASED			One there had an Broken (DE)	QUIRES PERMIT) PERMIT NO: 11-17680
Chlorides Max: 4000 Average: 1500 Is depth to top of ground water greater than 10ft below base of Within 1 mile of municipal water well?  N	pit? Y		One time land application (REI SOIL COMPACTED PIT, NOTIF	Y DISTRICT PRIOR TO TESTING SOIL PIT LINER

5289 9545

#### HORIZONTAL HOLE 1

Sec 28 Twp 14N Rge 5E LINCOLN County

660

Spot Location of End Point: С W2 W2 SOUTH Feet From: 1/4 Section Line: 2640

1/4 Section Line: Depth of Deviation: 5364 Radius of Turn: 386

WEST

Direction: 248 Total Length: 4271

Feet From:

Measured Total Depth: 10241 True Vertical Depth: 5750 End Point Location from Lease, Unit, or Property Line: 660

**HORIZONTAL HOLE 2** 

Sec 28 LINCOLN Twp 14N Rge 5E County

Spot Location of End Point: С SE W2 SE Feet From: SOUTH 1/4 Section Line: 660 Feet From: **EAST** 1/4 Section Line: 990

Depth of Deviation: 5150 Radius of Turn: 214 Direction: 201 Total Length: 3955

Measured Total Depth: 9441 True Vertical Depth: 5364 End Point Location from Lease, Unit, or Property Line: 660

Notes:

Description Category

8/29/2011 - G30 - (I.O.) 28-14N-5E **LOCATION EXCEPTION - 588394** 

X587454 HNTN

SL 341 FSL, 290 FEL 21-14N-5E

POE NCT 660 FNL, NCT 660 FEL 28-14N-5E LAT 1 NCT 660 FSL, NCT 660 FEL 28-14N-5E LAT 2 NCT 660 FSL, NCT 660 FWL 28-14N-5E

NO OP. NAMED

8/19/11

SPACING - 587454 8/29/2011 - G30 - (640) 28-14N-5E

**DEL 150466 HNTN DEL 206953 HNTN** EXT 574732 HNTN