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

Rule 165: 10-3-25

API No.: 35109223600002 **Completion Report** Spud Date: September 15, 2011

OTC Prod. Unit No.: 109-227402-0-0000 Drilling Finished Date: October 03, 2011

1st Prod Date: February 26, 2012

Completion Date: February 24, 2012 Amend Reason: OCC CORRECTION: PUN

Recomplete Date: June 25, 2020

Drill Type: **DIRECTIONAL HOLE** 

Amended

Location:

Min Gas Allowable: Yes

Well Name: ARROWHEAD 20-1 Purchaser/Measurer: SUPERIOR PIPELINE

OKLAHOMA 20 14N 4W First Sales Date: 06/30/2020

SW SW SW NE 150 FSL 135 FWL of 1/4 SEC Latitude: 35.6750122 Longitude: -97.6462046

Derrick Elevation: 1138 Ground Elevation: 1124

Operator: REVOLUTION RESOURCES LLC 24162

> 14301 CALIBER DR STE 110 **OKLAHOMA CITY, OK 73134-1016**

	Completion Type
Х	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
There are no Location Exception records to display.

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

		Cas	sing and Ceme	ent			
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	8 5/8	24	J-55	750		400	SURFACE
PRODUCTION	5 1/2	17	L-80	7400		295	4450

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

Total Depth: 7400

Pac	cker
Depth	Brand & Type
There are no Packe	er records to display.

PI	ug
Depth	Plug Type
6670	CIBP
6747	CIBP
6910	CIBP

Initial	Test	Data

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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
Jul 14, 2020	BARTLESVILLE	1	40	20	20000	20	PUMPING			
Jul 26, 2020	PRUE-OSWEGO	1	40	25	25000	20	PUMPING			
Sep 11, 2020	OSWEGO	0.5	40	10	20000	10	PUMPING			
		Con	npletion and	d Test Data b	y Producing F	ormation				
	Formation Name: BART	LESVILLE		Code: 40	4BRVL	C	class: DRY			
	Spacing Orders				Perforated I	ntervals				
Orde	r No U	nit Size	$\neg \vdash$	Fron	n	7	Го			
NC	NE			6824	1	68	342			
	Acid Volumes		$\neg \vdash$		Fracture Tre	atments				
7,182 G/	ALLONS ACID, 167 BARRE	LS WATER	$\dashv \vdash$		NONI	<u> </u>				
	Formation Name: PRUE			Code: 40	4PRUE	С	class: DRY			
	Spacing Orders				Perforated I	ntervals				
Orde	r No U	nit Size		Fron	n	٦	Го			
NC	NE			6690	)	66	692			
	Acid Volumes		$\neg \vdash$		Fracture Tre	atments		$\neg$		
	LLONS ACID, 167 BARRE TION ON BOTH PRUE AN PERFORATIONS				NONI	≣				
	Formation Name: OSWI	EGO		Code: 40	4OSWG	C	class: GAS			
	Spacing Orders				Perforated I	ntervals		$\neg$		
Orde	r No U	nit Size		Fron	n	1	Го			
NC	NE			6610	)	66	630			
	Acid Volumes				Fracture Tre	atments				
2000 GALS A0	CID AND 118 BBLS WATER	RESTIMUL	ATE		NON			_		

Formation	Тор
OSWEGO	6600
PRUE	6686
BARTLESVILLE	6822
WOODFORD	6924
HUNTON	6958

Formation Name: PRUE - OSWEGO

Were open hole logs run? Yes Date last log run: October 01, 2011

Were unusual drilling circumstances encountered? No Explanation:

Class: GAS

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Code:

## Other Remarks

SET CIBP AT 6,910' AND PLUG BACK HUNTON. PERFORATE / STIMULATE BARTLESVILLE AND TEST. SET CIBP AT 6,750' AND PLUG BACK BARTLESVILLE. PERFORATE / STIMULATE / PRODUCE PRUE AND OSWEGO. SET CIBP AT 6,670' AND PLUG BACK PRUE. ACIDIZE OSWEGO. PUT ON PRODUCTION.

## **Bottom Holes**

Sec: 20 TWP: 14N RGE: 4W County: OKLAHOMA

SE SW NW SE

1324 FSL 367 FWL of 1/4 SEC

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

Measured Total Depth: 7400 True Vertical Depth: 7200 End Pt. Location From Release, Unit or Property Line: 1324

## FOR COMMISSION USE ONLY

1147024

Status: Accepted

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	02)	10								1002A
109-22360	(PLEASE TYPE OR USE	BLACK INK ONLY)	OF	(LAHOMA CO	RPORATIO	N COMMISSIC	N		Ad	ldendun
C PROD. 24162	109-22	7402	}		Conservation	2000	4	1 /	12	1402
ORIGINAL AMENDED (Reason)	Recomplete	e	1	R	ule 165:10-3 LETION RE	-26 PORT	, ,1	11 1		
E OF DRILLING OPERATION	N	_	SPUD	DATE (	1/15/1	100	14 2Pr		640 Acres	,
STRAIGHT HOLE X SERVICE WELL ctional or horizontal, see rev	rerse for bottom hole location.	HORIZONTAL HOLE	DRLG DATE		1/15/2	li	00			
OKLAHO	OMA SEC 20 TWE	14N RGE 4W		OF WELL PLETION	2/24/	2012				
E /	ARROWHEAD	WELL 20	)-1 1st PF	ROD DATE	2/26/	2012				
/ 1/4 SW 1/4 SW	1/4 NE 1/4 FSL OF 1	50' FWL OF 13	35' RECO	MP DATE	6/25/2	020	W		×	
ATION Ground				ongitude f known)	-97.646	2046				
RATOR REVI	OLUTION RESOURCE	S LLC	OTC/OCC		241	32				
RESS		JBER DR SUI	OPERATOR	K NO.						
	AHOMA CITY	STATE	OK	ZIP	731	34				
	ANDINA OTT					7		L	OCATE WE	LL
SINGLE ZONE	6/17/2020	TYPE	SIZE	WEIGHT	GRADE	FEE	т	PSI	SAX	TOP OF CMT
MULTIPLE ZONE		CONDUCTOR								
Application Date COMMINGLED		SURFACE	8 5/8	24	J-55	750	•		400	SURF
Application Date TION EXCEPTION R NO.		INTERMEDIATE	5 1/2	17	L-80	7400	)'		295	4450'
ASED DENSITY R NO.		PRODUCTION &								
<u> </u>		LINER								
ER @ BRAN	D & TYPE	PLUG@ 69	10' TYPE	CIBP	PLUG @	6670' TYPE	: CII		TOTAL DEPTH	7400'
ER @ BRAN	D & TYPE	PLUG@ 67	47' TYPE	CIBP	PLUG @	TYPE				
					_	1111	,		-	
	BY PRODUCING FORMATION		404P1	RUE	4046	500	10	SA	SPE	8
MATION	BARTLESVILLE *	PRUE	C	RUE OSWEGO	4040	SUG	9	900	SPE	<del>\$</del>
IATION ING & SPACING R NUMBER	BARTLESVILLE * -PLUGGED BACK	PRUE	CK PR	SWEGO SODUCING	4041 34 noi	ie	9	R	GPE ECE	# IVE
IATION ING & SPACING R NUMBER S: Oil, Gas, Dry, Inj,	BARTLESVILLE  -PLUGGED BACK  Diy below Ping	PRUE PLUGGED BA	CK PR	RUE OSWEGO CODUCINO Gas	HOYE Penor	SUG	4	R	STE ECE	EIVE
MATION LING & SPACING ER NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc	PLUGGED BACK	PRUE PLUGGED BA	CK PR	SWEGO SODUCING	HOYE Servoi pe	ne 160R	4	R	ECE SEP 1	8 2020
IATION ING & SPACING R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc	BARTLESVILLE  -PLUGGED BACK  Diy below Ping	PRUE PLUGGED BA	CK PR	RUE OSWEGO CODUCINO Gas	HOYE Servoi pe	ie	4	RI		
ATION  NG & SPACING  R NUMBER  S: Oil, Gas, Dry, Inj.  Comm Disp, Svc  DRATED  VALS	BARTLESVILLE  PLUGGED BACK  Div below ping 6824'-6842'	PRUE PLUGGED BA	CK PR	RUE OSWEGO CODUCINO Gas	HOYE Servoi pe	ne 160R	4	RI	lahoma	8 2020 Corporation
IATION ING & SPACING R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc  ORATED	BARTLESVILLE  PLUGGED BACK  Div below ping 6824'-6842'	PRUE PLUGGED BA  Diy 6 6690'-6692	CK PR	OSWEGO CODUCING 6 a 5 610'-6630'	senor pe	ne 160R	4	R	lahoma	Corporation
ATION  NG & SPACING R NUMBER S: Oil, Gas, Dry, inj. Comm Disp, Svc  DRATED VALS  /OLUME	BARTLESVILLE  -PLUGGED BACK  Div Gellow Ping 6824'-6842'	PRUE PLUGGED BA  DIY 6690'-6692	CCK PR	DSWEGO CODUCING 6 a 5 610'-6630'	Senon pe	ne 160R	4	RI	lahoma	Corporation
MATION  LING & SPACING  ER NUMBER  S: Oil, Gas, Dry, Inj.  COMM Disp, Svc  FORATED  RVALS  TOLUME  CTURE TREATMENT	BARTLESVILLE  -PLUGGED BACK  Diy Gelby Belly Bel	PRUE PLUGGED BA 6690'-6692  7182 GAL AC 167 BBLS W	CID 2000	DSWEGO CODUCING Gas 610'-6630' 0 GAL AC BBLS W	Senon pe	ne 160R	4	RI	lahoma	Corporation
MATION  CING & SPACING  ER NUMBER SS: Oil, Gas, Dry, Inj. , Comm Disp, Svc  FORATED RVALS  VOLUME  CTURE TREATMENT Is/Prop Amounts)	BARTLESVILLE  -PLUGGED BACK  Div Gellow Ping 6824'-6842'	PRUE PLUGGED BA  6690'-6692  7182 GAL AC  167 BBLS W  1011 C	CID 2000	DSWEGO CODUCING 6 a 5 610'-6630'	Gas Pe	ne 160R	Suig		lahoma Comr	Corporation
ING & SPACING ING & SPACING ING & SPACING ING NUMBER S: Oil, Gas, Dry, Inj. Comm Disp, Svc  ORATED RVALS  VOLUME  TURE TREATMENT INPROP Amounts)	BARTLESVILLE  PLUGGED BACK  Div Gellow Pilly 6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic OR	7182 GAL AC 167 BBLS W	CID 200 TR 118	DSWEGO CODUCING Gas 610'-6630' 0 GAL AC BBLS W	Gas Pe	TE COR	Suig		lahoma Comr	Corporation mission
INATION ING & SPACING ING & SPACING IR NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc  ORATED RVALS  VOLUME  TURE TREATMENT ISProp Amounts)  AL TEST DATA  LL TEST DATE	BARTLESVILLE  PLUGGED BACK  Div Gellow Pilly  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic  OR  Oli Allowabi	PRUE PLUGGED BA  6690'-6692  7182 GAL AC  167 BBLS W  1011 C	CID 200 TR 118	OSWEGO CODUCING 6 a 5 610'-6630'  O GAL AC BBLS W	Gas Pe	TE COR	Suig		lahoma Comr	Corporation mission
INTION ING & SPACING IR NUMBER S: Oil, Gas, Dry, inj, Comm Disp, Svc  ORATED RVALS  VOLUME  TURE TREATMENT I/Prop Amounts)  AL TEST DATA  L TEST DATE  BL/DAY	BARTLESVILLE  PLUGGED BACK  Div Gelpw 6824'-6842'  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic OR OH Allowabi  7/14/2020	PRUE PLUGGED BA  014 6 6690'-6692  7182 GAL AC  167 BBLS W  1011 C  166:10-13-3) 7/26/2020	CID 200 TR 118	O GAL AC BBLS W	Gas Pe	TE COR	Suig		lahoma Comr	Corporation mission
ATION ING & SPACING R NUMBER S; Oil, Gas, Dry, Inj, Comm Disp, Svc  DRATED IVALS  VOLUME  TURE TREATMENT I/Prop Amounts)  AL TEST DATA  L TEST DATE  BL/DAY  RAVITY (API)	BARTLESVILLE  PLUGGED BACK  Diy below Plug  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic  OR  Oil Allowabl  7/14/2020	PRUE PLUGGED BA 6690'-6692 7182 GAL AC 167 BBLS W 10 11 € 10 (166: 10 (166:10-13-3) 7/26/2020	CID 200 TR 118	O GAL AC BBLS W	Gas Pe	TE COR	Suig		lahoma Comr	Corporation mission
INTION ING & SPACING R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc  ORATED RVALS  VOLUME  TURE TREATMENT I/Prop Amounts)  AL TEST DATA  L TEST DATE  BL/DAY  RAVITY ( API)	BARTLESVILLE  PLUGGED BACK  Div below Pidg  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic  OR  Oil Allowabl  7/14/2020  1 40	PRUE PLUGGED BA  PLUGGED BA  6690'-6692  7182 GAL AC  167 BBLS W  10 11 (-165:40-13-3)  7/26/2020  1 40	CID 200 TR 118	0 GAL AC BBLS W 0/11/2020	Gas Per Firet S	TE COR	Suig		lahoma Comr	Corporation mission
ATION ING & SPACING R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc  ORATED EVALS  VOLUME  TURE TREATMENT I/Prop Amounts)  AL TEST DATA  L TEST DATE  BL/DAY RAVITY ( API) ACF/DAY  OIL RATIO CU FT/BBL	BARTLESVILLE  PLUGGED BACK  Diy below Plug  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic OR OII Allowabi  7/14/2020  1 40 20	PRUE PLUGGED BA  6690'-6692  7182 GAL AC  167 BBLS W  1011 C  wable (166:10-13-3)  7/26/2020  1 40 25	CID 200 TR 118	0 GAL AC BBLS W 0/11/2020 .5 40	Gas Per Firet S	TE COR	Suig		lahoma Comr	Corporation mission
ATION ING & SPACING R NUMBER S: Oil, Gas, Dry, Irij, Comm Disp, Svc  DRATED IVALS  VOLUME  TURE TREATMENT I/Prop Amounts)  AL TEST DATA  L TEST DATE  BL/DAY  RAVITY ( API) ACF/DAY  DIL RATIO CU FT/BBL  R-BBL/DAY	BARTLESVILLE  PLUGGED BACK  Diy below Plug  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic  OR  Oil Allowabl  7/14/2020  1 40 20 20000	PRUE PLUGGED BA 6690'-6692  7182 GAL AC 167 BBLS W 10 11 € 166:10-13-3) 7/26/2020 1 40 25 25000	CID 200 TR 118	0 GAL AC BBLS W 0/11/2020 .5 40 10	Gas Per Firet S	TE COR	Suig		lahoma Comr	Corporation mission
INTION ING & SPACING R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc  ORATED RVALS  VOLUME  TURE TREATMENT I/Prop Amounts)  AL TEST DATA  L TEST DATE BL/DAY RAVITY (API) IMCF/DAY DIL RATIO CU FT/BBL ER-BBL/DAY	BARTLESVILLE  PLUGGED BACK  Div Gelpw 6824'-6842'  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic  OR  Oil Allowable  7/14/2020  1 40 20 20000 20	PRUE PLUGGED BA  01 / 6 6690'-6692  7182 GAL AC  167 BBLS W  10 1 1 €  165:10-13-3)  7/26/2020  1 40 25 25000 20	CID 200 TR 118	0 GAL AC BBLS W 0/11/2020 .5 40 10	Gas Per Firet S	TE COR	Suig		lahoma Comr	Corporation mission
INTION ING & SPACING ING & SPACING ING & SPACING ING NUMBER S: Oil, Gas, Dry, Inj. Comm Disp, Svc  ORATED INVALS  VOLUME  TURE TREATMENT INPROP AMOUNTS)  AL TEST DATA  L TEST DATE BL/DAY  RAVITY ( API) INCF/DAY  DIL RATIO CU FT/BBL INCR-BBL/DAY ING OR FLOWING L SHUT-IN PRESSURE	BARTLESVILLE  PLUGGED BACK  Div Gelpw 6824'-6842'  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic  OR  Oil Allowable  7/14/2020  1 40 20 20000 20	PRUE PLUGGED BA  01 / 6 6690'-6692  7182 GAL AC  167 BBLS W  10 1 1 €  165:10-13-3)  7/26/2020  1 40 25 25000 20	CID 200 TR 118	0 GAL AC BBLS W 0/11/2020 .5 40 10	Gas Per Firet S	rchaser/Meas	Suig		lahoma Comr	Corporation mission
MATION CING & SPACING ER NUMBER SS: Oil, Gas, Dry, Inj., Comm Disp, Svc  FORATED RVALS  FORATED RVALS  AL TEST DATA AL TEST DATE SBL/DAY GRAVITY ( API) MCF/DAY OIL RATIO CU FT/BBL ER-BBL/DAY PING OR FLOWING AL SHUT-IN PRESSURE KE SIZE	BARTLESVILLE  PLUGGED BACK  Div Gelpw 6824'-6842'  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic  OR  Oil Allowable  7/14/2020  1 40 20 20000 20	PRUE PLUGGED BA  01 / 6 6690'-6692  7182 GAL AC  167 BBLS W  10 1 1 €  165:10-13-3)  7/26/2020  1 40 25 25000 20	CID 200 TR 118	0 GAL AC BBLS W 0/11/2020 .5 40 10	ID Gas Per First 8	rchaser/Meas	Suig		lahoma Comr	Corporation mission
MATION CING & SPACING ER NUMBER SS: Oil, Gas, Dry, Inj. O, Comm Disp, Svc  FORATED ERVALS  DIVOLUME  CTURE TREATMENT ds/Prop Amounts)  IAL TEST DATA IAL TEST DATE BBL/DAY GRAVITY ( API)	BARTLESVILLE  PLUGGED BACK  Div Gelpw 6824'-6842'  6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic  OR  Oil Allowable  7/14/2020  1 40 20 20000 20	PRUE PLUGGED BA 6690'-6692 7182 GAL AC 167 BBLS W 1011 C wable (165:10-13-3) 7/26/2020 1 40 25 25000 20 PUMPING are presented on the novision and direction, w	CID 200 TR 118	OSWEGO OSWEGO OSWEGO OGAL AC BBLS W OCH E OH1/2020 .5 40 10 10 PUMPING	ID Sas Purificated Sas Purific	rchaeer/Meas	urer so of this repand comple	ort and am o	Superior 6/30	Corporation rission
AATION CING & SPACING ER NUMBER SS: Oil, Gas, Dry, Inj, Comm Disp, Svc  FORATED RVALS  FORATED REST DATA  AL TEST DATA  AL TEST DATE FORATIO CU FT/BBL FORAVITY ( API) FORAV	BARTLESVILLE  PLUGGED BACK  Dir Gellp W Plugge 6824'-6842'  7182 GAL ACID  167 BBLS WTR  Min Gas Alic OR OII Allowabl  7/14/2020  1 40 20 20000 20 PUMPING	PRUE PLUGGED BA 6690'-6692 7182 GAL AC 167 BBLS W 1011 € 166:10-13-3) 7/26/2020 1 40 25 25000 20 PUMPING are presented on the novision and direction, w	CID 200 TR 118	OSWEGO OSWEGO OSWEGO OGAL AC BBLS W OCH C OHIO OF	ID Gas Pt First 8	rchaeer/Meas	urer so of this repand comple	ort and am a	Superior 6/30 suthorized by st of my know 0 40	Corporation rission r Pipeline //2020