

KANSAS CORPORATION COMMISSION KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

MAR 17 2008

RECEIVED .

Form ACO-1 September 1999 Form Must Be Typed

. WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE ONSERVATION DIVISION WICHITA, KS

	thomas, no
Operator: License # 33770	API No. 15 - 033-21492-0000
Name:ARES Energy, Ltd.	County: Comanche County, Kansas
Address: 303 West Wall Street, Suite 900	<u>NW -NE Sec. 15 Twp. 33 S. R. 19 </u> ☐ East ☑ Wes
City/State/Zip: Midland, TX 79701	660' feet from S / (N) (circle one) Line of Section
Purchaser:	1,980' feet from E / W (circle one) Line of Section
Operator Contact Person: Henry N. Clanton	Footages Calculated from Nearest Outside Section Corner:
Phone: (432)685-1960	(circle one) NE SE NW SW
Contractor: Name:Duke Drilling Co., Inc.	Lease Name: Bunnell Well #: 15-2
License: 5929	Field Name: Colter West
Wellsite Geologist: Justin Carter	Producing Formation: Mississippian
Designate Type of Completion:	Elevation: Ground: 2,023' Kelly Bushing: 2,036'
New Well Re-Entry Workover	Total Depth: 5,700' Plug Back Total Depth: 5,634'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 674 Fee
GasENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFee
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth to
Well Name:	feet depth to ALT - DW - 6 12 08 sx cmt.
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content ppm Fluid volume bbls
Plug BackPlug Back Total Depth	Dewatering method used
Commingled Docket No	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
10-4-2007 10-16-2007 12-3-2007	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workov Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells	
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature: Newry N. Clark	KCC Office Use ONLY
Title: Managing Partner Date: 3/10/08	Letter of Confidentiality Received
Subscribed and sworn to before me this 10 day of 1/0/1C	If Denied, Yes X Date: 3/31/08
2008. 1 . 0 . 100:	Wireline Log Received Geologist Report Received
Notary Public: Acre U. LULL	
Date Commission Expires: 13.3.2010	LORI A ELLIS UIC Distribution Notary Public, State of Texas My Commission Expires
113 ½ 24 %	(,

December 02, 2010

Operator Name:	ARES Ener	gy, Ltd.	Lease	Name:	Bunnell	2				
		East	County	, Com	anche County,		_ Well #: 15-2			
tested, time tool ope temperature, fluid re	en and closed, flowing covery, and flow rate	and base of formations p g and shut-in pressures es if gas to surface test, final geological well site	, whether sh along with fi	ut-in pr	essure reached	static level, hydro	static pressure	es, bottom hole		
Drill Stem Tests Take		✓ Yes □ No		 ✓Ł	.og Formati	on (Top), Depth a	nd Datum	Sample		
Samples Sent to Ge	,	✓ Yes No		Nam Lans	· T		Top 4,530'	Datum -2,494'		
Cores Taken	,	Yes No			sing "B"		4,586'	-2, 191 -2,550'		
Electric Log Run		✓ Yes □ No		Drui	•		4,757'	-2,721'		
(Submit Copy)				Star	k		4,874'	-2,838'		
List All E. Logs Run:	· ·			Swo	ре		4,883'	-2,847'		
Dual Inductio	n, Density - Ne	eutron, Sonic Log	Э,	Mar	maton		5,078'	-3,042'		
Microlog		·	- '	Paw	nee		5,130'	-3,094'		
<u></u>				SEE A	TTACHED PAGE FO	OR ADDITIONAL				
,		CASING Report all strings set-	RECORD		ew Used	tion ata				
. Purpose of String	Size Hole	Size Casing	Weig	jht	Setting	Type of	# Sacks	Type and Percent		
Conductor	Drilled 30"	Set (In O.D.)	Lbs./	Ft.	Depth 80'	Cement	Used	Additives		
Surface	12-1.4"	8-5/8"	23#/Ft.		674'	65/35 POZ & Class A	180 Sx & 180 Sx			
Production	7-7/8"	5-1/2"	15.5#/Ft	t.	5,690'	Class H	175 Sx			
		ADDITIONAL	CEMENTIN	IG / SQL	JEEZE RECORD)	· · · · · · · · · · · · · · · · · · ·			
Purpose;Perforate	Depth ,Top Bottom	Type of Cement	#Sacks	Used	Type and Percent Additives					
Protect Casing Plug Back TD Plug Off Zone						· · · · · · · · · · · · · · · · · · ·				
	nenen -									
Shots Per Foot		ON RECORD - Bridge Plu Footage of Each Interval Pe			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Dept					
4 jspf	Ft. Scott 5,175'-	79'			500 gal 15% DSFE					
4 jspf	Miss 5,292'-96',	5,313'-16', 5,326'-32			1500 gal 15	% DSFE KA	RECE NSAS CORPORA	TION COMMISSION		
							MAR 1	7 2008		
							CONSERVATI	ON DIVERSION		
	,	-					WICHI			
TUBING RECORD 2-	Size	Set At 5,341'	Packer At		Liner Run	Yes No				
Date of First, Resumer	d Production, SWD or E] Flowing	D Pumpir	ng Gas Lift	Other	(Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate			s-Oil Ratio	Gravity		
Disposition of Gas	METHOD OF C			<u> </u>	Production Interv	/al				
Vented ✓ Sold (If vented, Su	Used on Lease	Open Hole	Perf.	_ D	ually Comp.	Commingled				

Well Completion Form ACO-1 ARES Energy, Ltd. Bunnell 15-2 API No. 15-033-21492-0000 Section 15, T33S, R19W Comanche County, Kansas

Addition information regarding: Formation (Top), Depth and Datum

Name	Тор	<u>Datum</u>
Ft. Scott	5,168'	-3,132'
Cherokee Shale	5,180'	-3,144'
Mississippian	5,276'	-3,240'
Osage	5,640'	-3,604'

RECEIVED KANSAS CORPORATION COMMISSION

MAR 17 2008

CONSERVATION DIVISION WICHITA, KS



March 11, 2008

VIA FEDERAL EXPRESS

RECEIVED KANSAS CORPORATION COMMISSION

MAR 17 2008

CONSERVATION DIVISION WICHITA, KS

Mr Walter Moody Kansas Corporation Commission 130 South Market, Room 2078 Wichita, Kansas 67202

RE: Bunnell 15-2

Comanche County, Kansas API: 15-033-21492-0000

Dear Mr. Moody,

Enclosed please find the following:

- 1) ACO-1 Well History Description of Well and Lease
- 2) Geologist Report
- 3) DST Report
- 4) Dual Induction Log
- 5) Dual Compensated Porosity Log
- 6) Borehole Compensated Sonic Log
- 7) Microresistivity Log
- 8) Sonic Cement Bond Log

I da States

9) Cementing tickets

We hereby request this ACO-1, and all data included, along with the drill cuttings sent to the Kansas Geological Survey, be held **CONFIDENTIAL FOR 2 YEARS.**

If you have any questions or need any additional information, please contact me at ARES Energy, Ltd. at the telephone number shown on the letterhead.

Very truly yours,

ARES Energy, Ltd.

Welda J. Bates Land Administrator

Enclosures

Casing New/ 24 8 5/8 Surf. 630.3 10	C		J & L Ce			e, LLC		Invoic	e Number				125
Country Comanche Kansas Country Comanche Country Comanche Country Comanche Country Comanche Country		Ares Energ	y	8 5/8 S	urface			Jol	o Date			1	0/4/200
Ves No NA Comments New Weight Size From To Max P Allows New Casing Casing	CLMINIUM.							Job L	og Page			1	- ,
	ease; Bu	nnell # 15-2					County;	Coman	che, Kan	sas		7	
Casing New 24 8.5/8 Surf. 630.3 10			Yes	No ,	N/A	Comments			Weight	Size	From	Го	Max PS
	irc.Cmt. T	o Surface	X				Casing		24	8 5/8	Surf.	630.3	
Cas(S) Held X			X										
SKS Slumy Fluid Composition Slumy Flui			X)		12 1/4	Surf.		
Sks Skury/Fluid Composition (Yield (Miss) Miss M			$\frac{\hat{x}}{\hat{x}}$					ment De	enth			53.13	-
180 35/65(PozA)+6%SPV-200+2%CaCl2+1/4pps Flake 1.83 9.1 12.8 39	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ic, recamou		Slurry/Flui	d Composition	on	2 100 1200		Yield				
210 Class A+2%CaCl+1/4pps Flake		25/65/DozA	/TE0/ CD// 3	200+2%C	C12+1/45	ne Flake							
Time Rate (BPM) Volume (BBL) Tubing Casing On Loc. 11:30 On Loc. 12:00 Safety Meeting 12:30 2000 Test Pumps & Lines 12:58 2 5 90 H2O Ahead 1:01 4.5 59 70 Pump Lead Cmt. 1:17 4 44 50 Pump Tail Cmt. 1:28 Drop Plug RECEIVED KANSAS CORPORATION COMMISSION 1:29 6 40 40 Start Displ. MAR 1 7 2008 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit	100	33/03(FUZ/)+0763FV-2	200+2760	1012+174p	ps riake			1.03	9.1	12.0	38	
11:30	210	Class A+2%	6CaCl+1/4p	ps Flake	ĺ				1.18	5.2	15.6	26	
11:30													
11:30		Pate	Volume	Process	- (PSI)	T					: :	198	<u> </u>
11:30	Time								Des	cription			
12:00 Safety Meeting	44.20						0-				•		
12:30					<u> </u>	<u> </u>	······································						
12:58 2 5 90 H2O Ahead 1:01 4.5 59 70 Pump Lead Cmt. 1:17 4 44 50 Pump Tail Cmt. 1:28 Drop Plug RECEIVED RANSAS CORPORATION COMMISSION 1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION MICHITA I/S 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD)	12:00						Safety	Meeting	3				
1:01 4.5 59 70 Pump Lead Cmt. 1:17 4 44 50 Pump Tail Cmt. 1:28 Drop Plug RECEIVED RANSAS CORPORATION COMMISSION 1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION WICHTA 129 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD)	12:30				2000	Test Pu	mps & Lin	es					
1:01									•				
1:01	40.50				00	1100 41			····	***************************************	····		
1:17	12:58	2			90	H2O Ane	ad			***************************************		1	·
1:17						ļ	-		·· ····························				
1:17	1:01	4.5	59		70 Pump Lead Cmt.								
1:28 Drop Plug RECEIVED KANSAS CORPORATION COMMISSION 1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION MICHITAL RS 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit								**					
1:28 Drop Plug RECEIVED KANSAS CORPORATION COMMISSION 1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION MICHITAL RS 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit									· · · · · · · · · · · · · · · · · · ·		·····		
1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION WICHITA KS 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit	1:17	4	44		50	Pump Ta	il Cmt.			. ·			
1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION WICHITA KS 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit													
1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION WICHITA KS 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit													
1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION WICHITA KS 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit	1:29					Dana Divi				· · · · · · · · · · · · · · · · · · ·			
1:29 6 40 40 Start Displ. MAR 1 7 2008 CONSERVATION DIVISION WICHITA KS 2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit	1.20					Diop. Piug			······································	K	ANSAS CORF	ORATION CO	MMISSION
2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit									······································				
2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit	1:29	6	40		40	Start Disp	ol.				MAK	1 7 200	8.
2 39.5 285 Slow To Land (Fin. Lift) 1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit											CONSER	VATION DIVIS	104
1:45 650 Land Plug Check Float (HELD) 5 Good Cmt. To Pit						<u> </u>			······································		W	CHITA KO	
Check Float (HELD) 5 Good Cmt. To Pit		2	39.5		285	Slow To L	and (Fin.	Lift)					
5 Good Cmt. To Pit	1:45				650	Land Plug	3				***************************************		1
5 Good Cmt. To Pit			ļ			Check Flo	oat (HEL	.D)					
									······································		** **	- 	
						//				1,***		1	
1:50 Job Complete			5			Good Cm	t. To Pit			· · · · · · · · · · · · · · · · · · ·			
	1:50					Job Comp	olete					İ	

LY	J	& L Cen	nenting	Service	e, LLC		Invoice	e Number				
	Job Type:	5 1/2" Prod	uction	7			Job	Date	10/16/20		1	P
اسدا	.,,,,	1						og Page		1/0	OF /1	
harge To:	Ares Energy	y	######################################			Lease Na	me: Be	ently 15-2	LL			
		Yes	No	N/A	Comments		New/ Used	Welght	Size	From	То	Max PSI Allowed
Circula	ated to Surface		X			Casing	New	15.5#	5.5	Surface	5692	2000
Vell Circula	ated	x				Tubing		-	7 7/8		5695	r
lug Lande	ed on Depth	X			<u> </u>	Open Hol Perforation		;	/ //	 	3035	ſ
Float(S) He	eld ner Returned	X	-			Displacer		epth		Surface	5650	2000
Plug Contain Amount (\$k -			Slurry/Fluid	d Composition	iu 			Yleid (fVsk)	Mix Ratio (gal/sk)	Density (lb/gal)	Mix Water (BBLS)	Slumy Vol. (BBLS)
Cal. RRII	class H + 10%	171210101	•	•		- eac cfl-110	+ 4% C	1 <u>-</u>				
175 sks	dass H + 10% :	sak (BVVCVV) -	+ 10% US Gy	psum + G pp.	8 Ghaorna	* .070 VIII	<u> </u>					
1	.470 0									I—		 -
				 				-	 	 	 	
	Rate	Volume	Pressur	re (PSI)	T-			<u> </u>		1		
Time	(BPM)	(BBL)	Tubing	Casing				UC:	scription			
2:30 AM		0		0	Arrive at	location a	ind rigg	ed up.				·
2:40 AM	0	0	0	- 0	Prime ur	p pump tru	ck then	conduct	saftey me	eting.		
7:00 AM	0.5	3	0	<u> </u>	Plug Mo	use Hole						
7:10 AM	0.5	4	0		Plug Rat		,			~ ~~~~		
7:30 AM	3	10	0	1	Mud clea			·				•
7:35 AM			'			ater space	<u>;r </u>					
7:40 AM			,		Pump C							
7:49 AM		48	0	300	Shut do	ement wn/wash p		and lines/	dron latch	down pli	10	
7:50 AM 7:53 AM		5		400		splacemen		Mu mios.	OTOP IGILE.	uom. p	9	
8:10 AM			1			plug and f		eld	:			
8:45 AM			·			vn / leave lo			:			
					<u></u>							
			<u>.</u>						· ·	2505	- /- N	
		 		-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		KANSA	RECE	TION COMMIS	SION
	1				+		<u></u>			MAR 1	7 2008	
				+	+				(CONSERVATI WICHI	ION DIVISION TA, KS	
			<u> </u>	1	1							
		 	 	-	+	***********	***************************************					
ı		1	1		4						ı	