Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1201063

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1201063
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INSTRUCTIONS: Show important tapp of formations papetrated. Do	tail all coroc Roport all	final copies of drill stome tasts giving interval tasted, time tool

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Shi	e etc)	Yes No	L	og Formatic	on (Top), Depth and	Sample								
Samples Sent to Geolog	,	Yes No	Nam	e		Тор	Datum							
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No												
List All E. Logs Run:														
CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc.														
Purpose of String	Purpose of String Size Hole Drilled		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives							
		ADDITIONAL	CEMENTING / SQL	EEZE RECORD										
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives								
Protect Casing Plug Back TD														
Plug Off Zone														
Did you perform a hydraulic	fracturing treatment of	on this well?		Yes	No (If No, skip	questions 2 an	d 3)							
		raulic fracturing treatment ex				question 3)								
Was the hydraulic fracturing	g treatment information	n submitted to the chemical o	lisclosure registry?	Yes	No (If No, fill o	out Page Three o	of the ACO-1)							

Shots Per Foot				O - Bridge Plugs Each Interval Perfora		Э		Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner F			
Date of First, Resumed	l Producti	ion, SWD or ENHF	} .	Producing Method	:] Pump	ping	Gas Lift	Other <i>(Explain)</i>		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas Mcf		Water Bbls.		Bbls.	Gas-Oil Ratio	Gravity
		245:		MET		OF COMPLE			PRODUCTION INTER	3\/41 ·
Estimated Production Oil			Open Hole		Dually (Submit A	Comp.	Commingled (Submit ACO-4)			
(If vented, Su	bmit ACO	D-18.)		Other (Specify)		(Subinit P	,	(Submic ACO-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Anadarko E & P Onshore LLC
Well Name	Murphy 1 31M
Doc ID	1201063

All Electric Logs Run

Gamma Ray	
Caliper	
Density	
Neutron	
Resistivity	
Sonic	
FMI	

Form	ACO1 - Well Completion
Operator	Anadarko E & P Onshore LLC
Well Name	Murphy 1 31M
Doc ID	1201063

Tops

Name	Тор	Datum
Chase	2042	
Council Grove	2285	
Neva	2540	
Wabaunsee	2675	
Topeka	2970	
Lansing	3326	
Kansas City	3566	
Marmaton	3951	
Cherokee	4120	
Atoka	4336	
Morrow	4505	
Mississippian	5000	

				1		Road t		cell			vith	Safet	y		1-						
Sold To #: 3		8.33%		_	-	: 32043				ote #:	-				-				0093	2152	
Customer: A	ANAE	DARKO	PETR	ROLE	EUM CO					stome	r Re	ep: CO	D M	AN TR							
Well Name:	Murp	ohy					lell #	-						API/	JWI	#: 15	5-292	-219	57		
Field:			Cit	y (S	AP): El	LKHART	Γ	Co	unty/Pa	rish: I	Mort	on			St	ate:	Kans	as			
Legal Descr	iptio	n: Sec	tion 31	То	wnship	32S Ra	ange	42V													
Lat: N 37.21	8 de	g. OR	N 37 d	leg.	13 min.	5.023 s	ecs.		Lor	ıg: W	101	.92 de	eg.	OR W	-102	2 deg	. 4 m	in. 4	9.41 9	secs.	
Contractor:	TRI	NADAD)			Rig/Plat	tform	n Na	me/Nur	n: TR	INA	DAD	208								
Job Purpos	e: C	ement	Surfac	e Ca	asing							17									
Well Type: D						Job Typ	be: C	eme	ent Surfa	ace Ca	asing	q									
Sales Perso						Srvc Su MERSH		iso	r: WILT	SHIRI	Ξ,	ió a	М	BU ID	Emp	o #:	1958	11			
								Joh	Perso	nnel											
HES Emp	Nam	ne F	xp Hrs	F	mp#	HES	Emp			xp Hrs	s E	mp#		HES	Emp	Nam	ne	Exc	Hrs	Emp #	
		6		1275	SEARS,				6		14024		/ILTSH				6		195811		
Corral						Partick								IERSH		onJe					
								E	quipme	nt											
HES Unit #	Dis	tance-1	way	HES	S Unit #	Dista	ance-	1 wa	IY HE	S Unit	t #	Dista	ance	-1 way	Н	IES U	nit #	D	istanc	e-1 way	
								J	ob Hou	rs											
Date	On	Locatio	n O	pera	tina	Date			Location		bera	ting	T	Date		On	Loca	tion	Op	erating	
	1	Hours		Hou	-			I	lours		Hou	-	+	2410		Hours		S	Hours		
TOTAL		10							Total	is the	sum	of eac	ch cc	lumn s	epara	atelv			1		
				Jo	h											Time	s		10-20-22		
Formation Na	me						an a			80. NARAD	en ar fuig		unterne.	A 121 122 124 124 124	ate	11110	1	me	Tin	ne Zone	
Formation De			an			Bottom				Call	Called Out			04 - Dec - 2013		013	22:00			CST	
Form Type	1				BHST					_	On Location			05 - Dec - 2013				:00		CST	
Job depth ME)	1	500. ft			Depth TVD					Job Started			05 - Dec - 2013			04	:23		CST	
Water Depth						Above				Job	Job Completed			05 - Dec - 2013			06:10			GMT	
Perforation D	epth	(MD)F	rom			То	1			_	Departed Loc			05 - Dec - 20		013	08	:30		CST	
	•							V	Vell Dat												
Descriptio	'n	New / Used	Ma press	sure	Size in	ID in	Wei Ibn			Thread	ł		Gra	Grade To		MD	Botto MC		Top TVD	Bottom TVD	
12 1/4" Surfac Hole	ce		psi	g		12.25											ft 150		ft	ft	
8 5/8" Surface Casing	e	Unknow n	/		8.625	8.097	24	4.	8 F	D (ST	&C)		J-{	55			150	0.			
	小和社会					S.	ales/	Ren	tal/3 rd F	Party (HES	5)									
1999/1997/1997/1997/1994 1999/1997/1997/1997/1997/1997/1997/1997				100000	Descrip	14/10/14 2001 (19/14/04/20)		A COLOR		y (Qty	Qty u	om	Dep	th		Supp	olier	
SHOE,GID,8-	5/8 8	2D			Descrip								1	EA		Dep			Capp		
VLVASSY,INS			5/8 901	2 2/	l lhe/ft								1	EA							
			THE REPORT OF THE REPORT		It introxers outs								1	EA							
ILLUP ASSY - 1.500 ID - 7 IN 8-5/8													7	EA							
		01 - AP	1-0-0/										1	EA							
CENTRALIZE		T \A/T	1 DOOO												· · ·		1				
CENTRALIZE CLP,LIM,8 5/8	B,FRI				414									-							
CENTRALIZE CLP,LIM,8 5/8 BASKET - CE	B,FRIO MEN	T - 8 5/8			1/4								1	EA						th.	
CENTRALIZE CLP,LIM,8 5/8 BASKET - CE KIT,HALL WE	B,FRIG MEN LD-A	T - 8 5/8	CSG	X 12									1 1	EA EA							
CENTRALIZE CLP,LIM,8 5/8 BASKET - CE KIT,HALL WE PLUG,CMTG, SUGAR - GRA	B,FRI MEN LD-A TOP,	T - 8 5/8 8 5/8, H	CSG	X 12		MA							1	EA							

						Tools a	nd Ac	cessorie	es 👘				
Туре	Size	Qty	Make	Depth	Туре	Size	Qty	Make	Depth	Туре	Size	Qty	Make
Guide Shoe					Packer					Top Plug			

loat Sh	hoe			Bi	ridge Plug					Bot	tom Plug					
loat Co	ollar			R	etainer					SSF	R plug set					
isert F	loat									Plu	g Contain	er				
tage To	lool									Cer	tralizers					
			的复数		Mis	scell	aneous M	<i>l</i> late	erials							
elling	Agt		Co	nc	Surfacta	ant Conc			Aci		Qty		Cond	: %		
reatme	ent Fld		Co	nc	Inhibitor				Conc	Sai	nd Type		Size	2	Qty	
							Fluid Dat	a								
Sta	age/Plug	#: 1														
luid #	Stage T	уре		Fluid	Name	Qty		Qty uom	Mixing Density Ibm/gal	ft3/sk	Mix Flui Gal/s	d bbl	ate /min	Total Fluid G		
I	Fresh Wa	ater					10.0	0	bbl	8.33	.0	.0	. 6	6.0		
	Lead Slu	rry	VARICE	M (TM) CE	MENT (45200	09)	430.	0	sacks	11.4	2.93	17.9	8 6	6.0	17.9	8
	2%		CALCIU	M CHLORI	DE, PELLET,	50 L	B (101509	387))	1		-				
	0.1 %		WG-17,	50 LB SK (100003623)			-								
	0.5 lbm			-FLAKE (10												
1	17.979 Ga	ıl	FRESH	WATER												
	Tail Slurr	v	HALCEN	M (TM) SYS	STEM (45298	6)	220.	0	sacks	15.6	1.2	5.22	2 6	6.0	5.2	2
	2 %	-			DE, PELLET,		B (101509	387))							
	0.25 lbm			-FLAKE (10												
{	5.218 Gal		FRESH	WATER											<	
	Displace	ment			2		92.0	0	bbl	8.33	.0	.0		.0		
	culated		S S S	Press	ures						Volumes					
isplace	ement		Shu	t In: Instan	t	Los	st Returns			Cement	Slurry		P	ad		
	Cement		5 Mi	n	81	Cei	ment Retu	rns		Actual I	Displacen	nent	Т	reatn	nent	-
rac Gra	adient		15 N	lin		Spa	acers			Load an	d Breakd	own	Т	otal .	Job	
							Rates									
Circula	ating			Mixing			Disp	blace	ement			Avg	. Job			
Ceme	ent Left In	Pipe	Amount	42 ft F	Reason Sho	e Joi	nt									
rac Ri	ing # 1 @	!	ID	Frac ring #	# 2 @	ID	Frac	Ring	g # 3 @	2	ID	Frac R	ing # 4	@	ID	
The	e Inform	nation	Stated	Herein Is	s Correct	Cı	ustomer Rep سرا	reser	ntative Si	ignature	K	γ	/			
The	e Inform	nation	Stated	Herein Is	S Correct		0	Ł)	0	T	Ť				

Cementing Job Log

Sold To #: 300466	Ship To #: 3204	358	G	uote #:		ĸ	Sales	Order #: 900932152
Customer: ANADARKO PETR			C	ustomer	Rep: CO	D MAN TF	RNDAD 2	208, TOM
Well Name: Murphy			1-31M		•			5-292-21957
	(SAP): ELKHAR			arish: M	orton			Kansas
Legal Description: Section 31								
Lat: N 37.218 deg. OR N 37 d				ona: W	101.92 de	ea. OR W	/ -102 de	g. 4 min. 49.41 secs.
Contractor: TRINADAD					NADAD 2	-		3.
Job Purpose: Cement Surface			lamon				Amount:	
Well Type: Development Well		ne. Ce	ment Si	Irface Ca	sina	Tionori		
Sales Person: STEELE, KENN		upervis		TSHIRE		MBU ID) Emp #:	195811
			Rate			Pres	sure	
Activity Description	Date/Time	Cht	bbl/	to a Carta Anna Sara Sara Sara	ume	104115-162264	sig	Comments
			min	b	bl			
		#		Stage	Total	Tubing	Casing	
Call Out	12/04/2013 22:00							
Arrive At Loc	12/05/2013 02:00		0					RIG HAS ONLY AROUND 5 JOINTS OF CASING TO RUN
Start Job	12/05/2013 04:23							
Test Lines	12/05/2013						3000.	
	04:23						0	
Pump Spacer 1	12/05/2013 04:42		4	10			75.0	PUMP WATER
Pump Lead Cement	12/05/2013 04:45		6	224			120.0	430 SKS VARICEM @ 11.4#
Pump Tail Cement	12/05/2013 05:20		5	47			180.0	220 SKS HALCEM @ 15.6#
Other	12/05/2013 05:31		5		271		141.0	END CEMENT
Drop Top Plug	12/05/2013 05:31							
Pump Displacement	12/05/2013 05:35		5.5	92			75.0	DISP. W/ RG WATER
Displ Reached Cmnt	12/05/2013 05:53		4.5	47			160.0	
Slow Rate	12/05/2013 06:01		2	80			400.0	SLOW RATE LAST 12 BBLS
Other	12/05/2013 06:07						447.0	PRESSURE BEFORE
Bump Plug	12/05/2013 06:07		2		92		1090. 0	
Check Floats	12/05/2013 06:10							1 BBLS BACK TO THE UINT
Cement Returns to Surface	12/05/2013							110 BBLS OF CEMENT TO SURFACE

Sold To # : 300466 SUMMIT Version: 7.3.0106

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min		ume bl	Constanting and a second	sure sig	Comments
				Stage	Total	Tubing	Casing	
End Job	12/05/2013 06:20							

Sold To # : 300466 SUMMIT Version: 7.3.0106 Sales Order # : 900932152

				1		e Road to					n Saret	<u>у</u>		1- 1-					
Sold To #: 3						: 320435				e #:					s Or	der #	: 9009	1/291	5
Customer: A	ANAE	DARKO	PETR	OLEU	MC	ORP - E	BUS	C	ust	omer l	Rep: Bl	NG							
Well Name:	Mur	bhy				We	ell #:	1-31M					API/L	JWI #:	15-2	92-2	1957		
Field:			City	V (SAF	P): E	LKHART	C	county/	Pari	sh: Mo	orton			Stat	e: Ka	ansas	5		
Legal Descr	rintio	n. Sec																	
Lat: N 37.21									ono	• \// 1(01.92 de	n	OR W	-102 d	lea 4	l min	49 41	seco	3
				ey. 13		Rig/Platf					01.02 ut	Jy.		102 0	log.	- 11111	. 10.1	0000	
Contractor:	0.0.000					Rig/Platt	onn	Name/N	um	200									
Job Purpos				e Stag	jes					-									
Well Type: [Job Type													
Sales Perso	n: S	TEELE	., KENI	NETH		Srvc Sup MERSHE		sor: Wl	LTS	HIRE,		M	BU ID	Emp #	: 19	5811			
							J	ob Pers	sonr	nel									
HES Emp	o Nan	ne E	xp Hrs	Emp)#	HES E	Emp I	lame	Ex	p Hrs	Emp #			Emp N			Exp Hr		np #
ESTRADA,	JOSE		13	5412	75	Simpson,	Curti	S	1:	3	557731	T	ORRES	, CLEN	MENT	E	13	344	233
Corral																			
WILTSHIRE	•		13	1958	11														
MERSHEK T	TonJe											1							
								Equipr						-					
HES Unit #	Dis	tance-1	way	HES U	Jnit 🕯	# Distar	nce-1	way	HES	S Unit #	f Dista	ance	e-1 way	HES	S Uni	t #	Dista	nce-1	way
								Job H	ours	5									
Date	On	Locatio	on Or	peratin	a	Date	(On Locat	ion	Ope	rating		Date	(On Lo	ocatio	on (Opera	ting
		Hours		Hours	3			Hours		Hours					Hours			Hours	
			_																
TOTAL								To	tal is	the su	m of eac	ch c	olumn se	parate	ly				
				Job										ob Ti	mes				
Formation Na	ame		6.000000000		-17-20-505		42.1034%			and the state of the state	and a second state of the second	1020478	CVCR1104PHTPHR	ate	13 93 05 × 0.12 7	Tim	e T	ime Z	one
Formation De			ор			Botto	m			Callec	Out	-	13 - De		3	23:0		CS	
	epui		<u></u>	le le	BHST			128 de	AP		cation		07 - De			03:0		CS	
Form Type	D	F	250. ft			Depth TVD		120 00	-yı		tarted	-+	14 - De			05:1		CS	
Job depth MI	U	5	200. n			It Above F				_	omplete		14 - De			12:0		GM	
Water Depth		(140)		p	/VK H		oor			-			14 - De			13:3		CS	6.9
Perforation D	Jepth	(MD)⊩	rom			То					ted Loc		14 - De	C - 20	13	13.5		03	1
			1					Well [1 -		
Descriptio	on						ID Weight		ht Ti		hread		ade 1	Top MD		otton			otton
		Used	press		in	in	lbm/	ft						ft		MD	TVI	ו	TVD
			psi	g											<u> </u>	ft	ft		ft
7 7/8" Produc	ction					7.875								1500.	5	5250.			
Hole						_								0075	-	750			-
Multiple Stag	le													2375.	1 3	3750.			
Cementer		11-1				1.05	45		0.00		~	. 1	55		-	250			,
5 1/2" Produc	ction				5.5	4.95	15.		o KI	D (LT&C	-)	J-	55			5250.			
Casing		n			0.005	0.007	04		0 00) (ST&(~	1	55			1500.			
0 5101 0 5	e	Unknow	×	1	8.625	8.097	24		o RL	10100	-)	J-		•		1000.			
8 5/8" Surfac		n Neteralization	5676256557				Table			000-1-						in a la contra		Castal Co	
8 5/8" Surfac Casing	(Tegel to To	0.5/42/530 22/07				 Selection and enclosed in the selection of the 	111701010000000000000000000000000000000	s and A	424040304	C+2000102000	State of the second second second	國領				建制度			
Casing		网络白白白白白		Dent	th	Туре	Siz	e Qty		Make	Depth		Туре		Siz	e	Qty	N	/lake
Casing Type	Size	Qty	Make	Dep	1			1			1	To	o Plug						
Casing Type Guide Shoe	Size	Qty	Make	Dep		acker	1					-							
Casing Type Guide Shoe Float Shoe	Size	Qty	Make	Бер	В	ridge Plug						-	ttom Plu						
Casing	Size	Qty	Make		В							SS	R plug s	set					
Casing Type Guide Shoe Float Shoe	Size	Qty	Make		В	ridge Plug			-			SS Plu	R plug s Ig Conta	set ainer					
Casing Type Guide Shoe Float Shoe Float Collar Insert Float	Size	Qty	Make		В	ridge Plug						SS Plu	R plug s	set ainer					
Casing Type Guide Shoe Float Shoe Float Collar Insert Float	Size	Qty	Make		В	ridge Plug etainer		ellaneoi	us N	lateria	ls	SS Plu	R plug s Ig Conta	set ainer					
Casing Type Guide Shoe Float Shoe Float Collar	Size	Qty		>nc	В	ridge Plug etainer	Misc	Science a source of the	us N	lateria Cor	and share and share and share	SS Plu Ce	R plug s Ig Conta	set ainer rs		Qty	1	Con	ic 9

Fluid #	Stage Type	Fluid Name		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/s
1	Fresh Water			10.00	bbl	8.33	.0	.0	6.0	
2	Scavenger (E923)	POZ PREMIUM 50/50 - SB	M (12302)	15.0	sacks	10.	5.9	38.58		38.58
	5 %	CAL-SEAL 60, 50 LB BAG	(101217146)			-				
	5 %	POTASSIUM CHLORIDE 5	% (100001585))						
	8 lbm	KOL-SEAL, 50 LB BAG (10	0064232)							
	0.5 %	HALAD(R)-322, 50 LB (100	003646)							
	38.584 Gal	FRESH WATER								
3	Stage 1 Cement	t POZ PREMIUM 50/50 - SB	M (12302)	235.0	sacks	13.9	1.57	6.77	6.0	6.77
	5 %	CAL-SEAL 60, 50 LB BAG	(101217146)							
	5 %	POTASSIUM CHLORIDE 5	% (100001585)		1				
	8 lbm	KOL-SEAL, 50 LB BAG (10	0064232)							
	0.5 %	HALAD(R)-322, 50 LB (100	003646)							-
	6.767 Gal	FRESH WATER								
4	Displacement			124.00	bbl	8.33	.0	.0	6.0	
St	age/Plug #: 2									
Fluid #	Stage Type	Fluid Name		Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Fresh Water		12 C	20.00	bbl	8.33	.0	.0	.0	
2	Scavenger (E923)	MIDCON-2 CEMENT STAN (15078)	IDARD - SBM	15.0	sacks	10.	5.43	36.47		36.47
	2 %	CALCIUM CHLORIDE, PEL	LET, 50 LB (1	0150938	7)					
	0.5 lbm	POLY-E-FLAKE (10121694								
	2.5 lbm	KOL-SEAL, 50 LB BAG (10								
	36.47 Gal	FRESH WATER								
3	Stage 2 Cemen	t MIDCON-2 CEMENT STAN (15078)	IDARD - SBM	100.0	sacks	11.8	2.62	15.39		15.39
	2 %	CALCIUM CHLORIDE, PEL	LET, 50 LB (1	0150938	7)					
	0.5 lbm	POLY-E-FLAKE (10121694	0)							
	2.5 lbm	KOL-SEAL, 50 LB BAG (10	0064232)							
	15.387 Gal	FRESH WATER								
4	Displacement			85.00	bbl	8.33	.0	.0	.0	
C	alculated Value	s Pressures		清新建立的		V	/olumes			
Displa	cement	Shut In: Instant	Lost Re	eturns		Cement S	Slurry		Pad	
op O	f Cement	5 Min	Cemen	t Return	s	Actual D	isplacem	nent	Treatr	nent
Frac C	Bradient	15 Min	Spacer	s		Load and	Breakdo	own	Total	Job
			R	ates						
Circu	lating	Mixing		Displa	cement			Avg.	Job	
Cem	ent Left In Pipe	Amount 42 ft Reason	Shoe Joint							
Frac	Ring # 1 @	ID Frac ring # 2 @	ID	Frac Ri			D	Frac Rin	g # 4 @	ID
Т	he Information	n Stated Herein Is Corr		her Repres	entative S (\mathcal{M})	ignature	_			
				PE Z IA L						

Cementing Job Log

	Ship To #: 3204			uote #:				Order #: 900972915
ustomer: ANADARKO PETR	OLEUM CORP -	EBUS	С	ustomer	Rep: BI	NGEL, TO		
Vell Name: Murphy			: 1-31M			API		5-292-21957
	(SAP): ELKHAR			arish: M	orton		State:	Kansas
egal Description: Section 31								
at: N 37.218 deg. OR N 37 de						eg. OR V	V -102 de	g. 4 min. 49.41 secs.
contractor: TRINADAD		atform	Name/N	um: 208				
ob Purpose: Cement Multiple				Hists Of		licket	Amount:	
Vell Type: Development Well ales Person: STEELE, KENN				Itiple Sta	-	MOLLIC) Emp #:	105811
Sales Person: STEELE, KENN	MERS	-		ISHIKE			, cuih # .	195011
Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		12.11.11.11.11.11.11.11.11.11.11.11.11.1	sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	12/13/2013 23:00		1000140001446640		96196 966 8 10 1 6 <u>1</u> 9 1			
Arrive At Loc	12/14/2013 03:00							CASING JUST REACHED BOTTOM RIG UP TO CIRCULATE
Other	12/14/2013 03:00							RIG UP CEMENT HEAD AND CIRUCLATED
Start Job	12/14/2013 05:09							5 1/2" MULTIPLE STAGE /// STAGE #1
Test Lines	12/14/2013 05:14						35000 .0	
Pump Spacer 1	12/14/2013 05:14		3	20			265.0	WATER
Pump Lead Cement	12/14/2013 05:17		6	16			320.0	15 SKS 50/50 POZ @ 10.0#
Pump Tail Cement	12/14/2013 05:20		6	66			306.0	235 SKS 50/50 POZ @ 13.93
Other	12/14/2013 05:33		6		82		120.0	END CEMENT
Clean Lines	12/14/2013 05:38							
Drop Bottom Plug	12/14/2013 05:39							
Pump Displacement	12/14/2013 05:39		6	124			90.0	40 BBSL DISP. W/ WATER /// 84 BBLS DISP. WITH MUD
Displ Reached Cmnt	12/14/2013 05:48		6	45			180.0	
Other	12/14/2013 06:12						730.0	PRESSURE BEFORE LANDING PLUG
Activity Description	Date/Time	Cht	Rate bbl/ min	11000000000000000000000000000000000000	ume bl	CONTRACTOR STRATE	ssure sig	Comments
Sold To # : 300466	Ship To # :3	3204358	5 MILLION # 10 10 10 10 10 10 10 10 10 10 10 10 10	Qı	ote # :	1.49919999999999	Sa	ales Order # : 900972

SUMMIT Version: 7.3.0106

Saturday, December 14, 2013 12:36:00

Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Bump Plug	12/14/2013 06:12		2		124		1274. 0	FLOAT DIDN'T HOLD // TIRED TWICE WAIT FOR 45 MIN /// FLOAT HELD /// 1 BBL BACK TO THE UNIT
Drop Opening Device For Multiple Stage Cementer	12/14/2013 07:06							
Open Multiple Stage Cementer	12/14/2013 07:27			-			739.0	TOOL OPEN WITH 739 PSI /// PUMP THE REST OF THE MUD OFF THE CEMENT UNIT /// TURN OVER TO THE RIG TO CIRCULATE
Other	12/14/2013 11:20							START STAGE #2
Pump Spacer 1	12/14/2013 11:20		4	20			145.0	WATER
Pump Lead Cement	12/14/2013 11:26		5	15			200.0	15 SKS MIDCON 2 @ 10.0#
Pump Tail Cement	12/14/2013 11:29		5	47			137.0	100 SKS MIDCON 2 @ 11.8#
Other	12/14/2013 11:40		5		62		32.0	END CEMENT // DROP PLUG
Clean Lines	12/14/2013 11:42	2					Ð	
Pump Displacement	12/14/2013 11:44		5	84			13.0	DISP. W/ WATER
Displ Reached Cmnt	12/14/2013 11:55		5	55			130.0	
Other	12/14/2013 12:04						478.0	PRESSURE BEFORE LANDING PLUG
Bump Plug	12/14/2013 12:04		3		84		2250. 0	FLOAT HELD /// 1 BBLS BACK TO UNIT
Close Multiple Stage Cementer	12/14/2013 12:05							CLOSE DV TOOL WITH 2250 PSI
End Job	12/14/2013 12:06							

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Shari Feist Albrecht, Chair Jay Scott Emler, Commissioner Pat Apple, Commissioner Sam Brownback, Governor

May 12, 2014

Kim Vincent Anadarko E & P Onshore LLC PO BOX 1330 HOUSTON, TX 77251-1330

Re: ACO-1 API 15-129-21957-00-00 Murphy 1 31M SE/4 Sec.31-32S-42W Morton County, Kansas

Dear Kim Vincent:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 12/02/2013 and the ACO-1 was received on May 06, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department