KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

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SEP 2 2 2010 October 2008 Form must be Typed

WELL COMPLETION FORM

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASECC WICHTA

4540	API NO. 15- 189-22721-00-00 URIGINAL
OPERATOR: License # 4549	Spot Description:
Name: ANADARKO PETROLEUM CORPORATION	·
Address 1:	<u>NE - NE - SW - SW</u> Sec. <u>35 Twp. 32 S. R. 39 </u> ☐ East ☑ West
Address 2:	1250 Feet from North / X South Line of Section
City <u>HOUSTON</u> State <u>TX</u> Zip: <u>77251</u> + <u>1330</u>	1250 Feet from East / X West Line of Section
Contact Person: MELANIE WIGGINS	Footages Calculated from Nearest Outside Section Corner:
Phone (<u>832</u>) 636-1053	□ NE □ NW □ SE □ SW
CONTRACTOR: License # 33784	CountyStevens
Name:Trinidad Drilling LP	Lease Name <u>Stecher A</u> Well # <u>2HP</u>
Wellsite Geologist:	Field Name Hugoton/Panoma
Purchaser: Anadarko Energy Services Company	Producing Formation Chase/Council Grove
Designate Type of Completion	Elevation: Ground 3227 Kelley Bushing
X New Well Re-Entry Workover	Total Depth 3060 Plug Back Total Depth
Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at Feet
X Gas ENHR SIGW	Multiple Stage Cementing Collar Used? Yes X No
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set Feet
Dry Other (Core, WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from
	feet depth tow/sx cmt.
If Workover/Reentry: Old Well Info as follows: Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date Original Total Depth	Chloride content 2800 ppm Fluid volume 80 bbls
Deepening Re-perfConv.to EnhrConv.to SWD	Dewatering method used <u>HAUL OFF</u>
Plug Back ————————————————————————————————————	Location of fluid disposal if hauled offsite:
Commingled Docket No	Operator Name ANADARKO PETROLEUM CORPORATION
Dual Completion Docket No	
Other (SWD or Enhr?) Docket No.	Lease Name KEEFER A 1 License No. 4549
05/17/2010 05/22/2010 06/19/2010 Spud Date or Date Reached TD Completion Date or	Quarter SW Sec. 13 Twp, 32 S R 38 East West
Recompletion Date Recompletion Date	County STEVENS Docket No. D17157
Kansas 67202, within 120 days of the spud date, recompletion, workover on side two of this form will be held confidential for a period of 12-mor	th the Kansas Corporation Commission, 130 S. MarkeT - Room 2078, Wichita, or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on this fit requested in writing and submitted with the form (see rule 82-3-107 for epologist well report shall be attached with this form. ALL CEMENTING TICKETS with all temporarily abandoned wells.
are complete and correct to the best of my knowledge.	
Signature Julian Digger	KCC Office Use ONLY
Title REGULATORY ANALYST Date 09	Letter of Confidentiality Attached
Subscribed and sworn to before me this day of	If Denied, Yes Date:
Notary Public Bay Man Columbia	Wireline Log Received Geologist Report Received
10 10 10	UIC Distribution 9/23/10
Date Commission Expires	AIR IS ON - NOVID

Operator Name ANADA	ARKO PETROLE	M CORPO	RATION	Lease	e Nam	e <u>Stecher</u>	A	vveii#	2HP	· ·
Sec. <u>35</u> Twp. <u>32</u>	2 S.R. <u>39</u>	☐ Eas	t 🗶 West	Coun	ty <u></u>	Stevens				
NSTRUCTIONS: Show me tool open and closed ecovery, and flow rates it ogs surveyed. Attach fin	l, flowing and shւ f gas to surface d	it-in pressui uring test, a	res, whether s along with fina	hut-in pressu	re rea	ched static leve	el, hydrostatic pres	ssures, botto	m hole tem	
Drill Stem Tests Taken (Attach Additional Si	heets)	Yes	s X No	[X	Log		Formation (Top), [Depth and D	atums [Sample
Samples Sent to Geolog	gical Survey	X Yes	s No	Nan	me		Тор	Da	atum	
Cores Taken		☐ Yes	s X No							
Electric Log Run (Submit Copy)		X Yes	s 🗌 No			r Hills	1415			
ist All E.Logs Run:						e Corral	1702			
CEMENT BOND LOG				Chase		mve	2440 2755			
NEUTRON LOG							2,00			
	Pana		NG RECORD	X New	_	sed				
Purpose of String	Size Hole	1		r		ate, production	Τ	# Sooks	Tuno and	Porcont
Purpose of String	Drilled		Casing In O.D.)	Weight Lbs./Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Add	itives
SURFACE	12.25	8 5/8		24		621	STANDARD	430	2% 2% C	Σ.
PRODUCTION	7.875	5 1/2		14		3052	MIDCON50/50	500	.5 HALA	<u>a</u>
			DDITIONAL C	SENATAITING !	COLIE	EZE RECORD	TOC=1670		<u> </u>	
Purpose	Depth		of Cement	#Sacks Us		EZE RECORD	Type and Per	cent Additive	es	
Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom 621–3052	Standro	I/Poz50/50	350		2%,1% Cal	lcium Chloride	≥ & 10%,6	% cal-sea	al 60
Shots Per Foot			PRD - Bridge F Each Interval		е		re, Shot, Cement S at and Kind of Mate	•	ord E	epth
3	2918-26; 29	08-13; 2	891-96; 28	368-78 <i>;</i>		Frac w/69	9,384 gals 20#	x-linke	d 278	8-2926
	2845-54; 27	88-92 *				.5% KCL v	v/22,240# 12/2	20 sand		
2	2682-94; 26	. " 51–66 <i>;</i> 2	596-2608 <i>;</i>	2551-54;		Frac w/1	11,384 gal 308	§25# x-li	nked 248	8-2694
	2488-2491					.5% KCL v	v/337,000# 12/	/20 sand		
TUBING RECORD	Size 2 3/8	Set		Packer At		Liner Run	☐ Yes 🗓	No	<u> </u>	
Date of First, Resumed		VD or Enhr	. Produc	cing Method	ΧP	umping G	as Lift Othe	er (Explain)		
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas 137	Mcf	Wate	er Bbls.	Gas-Oil F	Ratio	G	ravity
DISPOSITIO		T		METHOD OF		1PLETION	•	Produc	tion Interval	
☐ Vented ☒ Sold		.ease		X Perf.			Commingled	2488 -		
(If vented, subm	nit ACO-18.)		-] Other (Spe	cify)						

PLAT AND CERTIFICATION OF ACREAGE ATTRIBUTABLE TO A GAS WELL

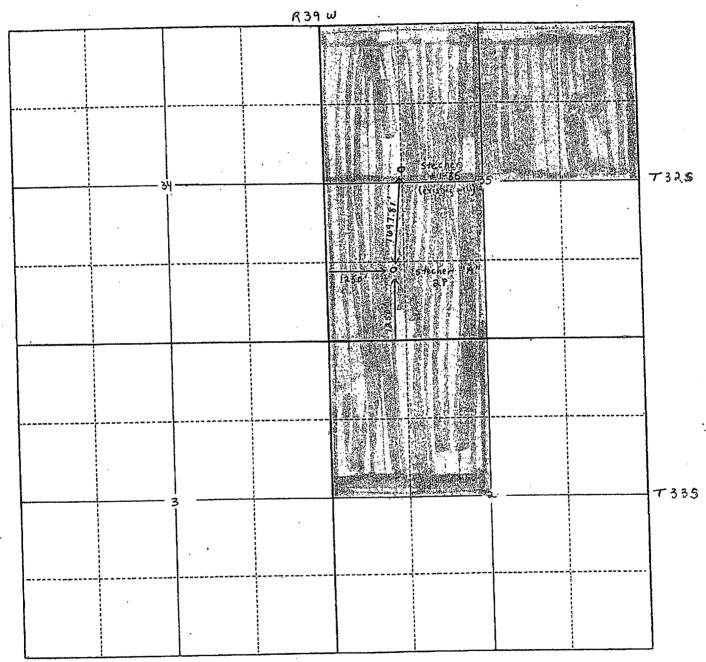
Kansas Corporation Commission, Conservation Division Finney State Office Building, 130 South Market, Room 2078 Wichita, Kansas 67202

API NUMI	***			Corporat	ion		LL: COUNTY		
	R Anadari	co Per	croreun	Corporat	1250	feet f	rom south/nor	th line of so	ection
LEASE					1250	feet f	rom east We	st) line of s	ection
MELL NO	MBER 2H	nd Da	noma C	ouncil Gro					
						35	TWP 3	Z(S) RG 3	Z_E(U)
NUMBER	OF ACRES A	TTRIBUT	TABLE TO	WELL 640.	IS SEC	TION V	IRREGULAR, I	OCATE WELL F	ROM
OTR/OTR	OTR OF AC	REAGE _				ETON IS	R BOUNDARY.	check line b	elow)
(soo attaci	hed)					NX	NW SE	SW
				na shade att	45 4-1-9-		- for proreto	d or spaced w	rells).
(Show t	he location	n or the	rearest	lease or un	it boundar	y line;	and show foo	stage to the r	earest
(Show t	ne rootage	ש עלממו	ell).						
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	-	•	•	•			SEWARD C	.0.	
	L								itle) for
	The unders	igned h	ereby ce	rtifies as <u>a</u>	ttorney			(*	icie, ioi
				Comporati	OB	(00	.), a duly auth	orized agent	, that all
				Corporati			nhalway ya	e and belief.	that all
info	rmation sho	wn her	eon is to	te the well	named he	ein is	held by produced to the we	uction from	that well
acre	age claimed	attri	presion	for an allow	able to b	agsig:	ned to the we	11 upon the	filing of
and	hereby make	s abbri	te test.	, whichever	is later.		1 /1		
tnis	IOIM ANG	CITE DEC				Yail	11.1 Mul		
				S	ignature_		W. Nickel		
					/ > / # !	avid '	Felixua	rui .	3 2 2010
Subs	cribed and	sworn	to befor	e me on this		At A	7 11 0	-	
				•	March	Upo E	> Morlor	<u> </u>	
				I	Marilyn	侈. Mo	rlan Notary	Public	
	Commission	erni re	g 10/2	9/13			•	FORM CG-	-8 (12/94)
жус	CHMISSION			THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN					
				MARILYN	B. MORLAN BY PUBLIC		95 S. 15 S. 14 C. 275		
			1 6	NU IAI	II I DEFIN		Exhibit "C"		

ATTACHMENT TO FORM CG-8 (12/94) ANADARKO PETROLEUM CORPORATION

Stecher A 2HP Well

Section 35, Township 32 South, Range 39 West Stevens County, Kansas



Unit Acreage:

North Half (N/2) and Southwest Quarter (SW/4) of Section 35, Township 32 South, Range 39 West of the Sixth P.M.; and Northwest Quarter (NW/4) of Section 2, Township 33 South, Range 39 West of the Sixth P.M., all in Stevens County, Kansas, consisting of 640 acres, more or less

RECEIVED
SEP 2 2 2010

KCC WICHITA

·, HALLIBURTON

Cementing Job Summary

·					Th	e Road	to Ex	cellence	Starts	wit	h Sa	fety							
Sold To #	: 3004	66		Shi	ір То	#: 2784	444		Quote	#:				5	Sales	Orde	r#: 7	7377	325
Customer	: ANA	DARK	O PE	TROLE	EUM (ORP -	EBUS	S (Custon	ner	Rep:	Cool	, Juni	or					
Well Name	e: Ste	cher				V	Vell #	: A2HP						I/UW	/I #:				
Field:			C	itv (S	AP): I	IUGOTO		County/	Parish	: St	even	s			State	: Kans	as i		
Contracto	r: TR	INIDA						n Name/N				<u> </u>						KEL	EIVED
Job Purpo				ace Ca	asino	J													
Well Type		-			aomig	Joh Tv	ne: C	ement Su	ırface (Casi	ina								2 2 201 (
Sales Pers					,			isor: Wi			nig .	Į,	ARILI	D Em	ın #·	1058	1140		
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						porti (Or	· <u>·</u> ··	Job Pers	onnel			[_							
HES En	nn Nai	me	Ехр Н	rs Fr	np#	HES	Emn	Name	Exp H		Emp	#	HE	S Fm	p Na		Evn	Hrs	Emp#
AGUILER			3.3		2123	HAYES			3.3		44938		LOPE				3.3		198514
WILTSHIF			3.3		5811				10.0	+		-		_, 00,			10.0		
MERSHEK	•	;	0.0		3011	ļ			1									ļ	
						1		Equipn	nent								1		
HES Unit	# Dis	stance	-1 way	HES	Unit:	# Dist	ance-		HES Ur	nit #	Di	stanc	e-1 wa	ıv I	HES I	Unit #	Di	stand	ce-1 way
													···						
	1	- m	*****	1		L,,		Job Ho	ours					i			<u> </u>		***
Date	On	Locat	ion (Operat	ina	Date		On Locati		Der	ating	T	Dat	e	On	Locat	ion	O	erating
		Hours	l l	Hour			1	Hours		•	ours			•		Hours			Hours
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TOTAL								Tol	tal is the	e sur	n of e	ach c	olumn	sepai	rately	*****			*
		•		Jot)						•			Job	Time	es	_		
Formation I	Vame													Date		Tin	ne	Tin	ne Zone
Formation I	Depth	(MD)	Гор			Bott	om		MWCa	lled	Out		17 - N	fay - :	2010	17:	00		CST
Form Type			W	J.	BHST			1021	On	Loc	ation	,	17 - N	lay - :	2010	20:	00		CST
Job depth N		b21	675. ft		Job [epth TVI	D	- 675 . f	t Jol	b Sta	arted		17 N			21:	43		CST
Water Depti					Wk H	t Above f	floor	5. ft	Jol	b Co	mple	ted	17'- N	lay - 2	2010	22:	26		CST
Perforation	Depth	(MD)	rom			То			De	parte	ed Lo	C	17 - N	lay - 2	2010	23:	30		CST
		, -						Well D	ata										
Descripti	on	New /		ax	Size	ID	Weig	jht	Threa	ıd		Gr	ade	Тор	MD	Botto		Гор	Bottom
		Used		sure	in	in	ibm	/ft						ft	:	MD		VD	TVD
0			ps	ig		40.05										ft		ft	ft
Surface Hole Surface Cas		Unknov			8.625	12.25 8.097	24.							-		6 75 .	<u> 20</u>		
Surface Cas	iliy	n	~		0.023	0.097	24.							•		62	1		
						Sa	iles/R	Rental/3 rd	Party	(HE	SI					W.	• .	w	
				. D	escrip					<u> </u>		Qty	Qty u	om	Dep	th	S	Suppl	ier
SHOE,GID,8	-5/8 8F	RD						·····				1	E/	-					
VLVASSY,IN	SR FL	OAT 8	-5/8 8R	D, 24	bs/ft							1	E/						
FILLUP ASS												1	E/						
CENTRALIZE	R AS	SY - AF	1 - 8-5	/8 CSG	S X							3	E/			\vdash			
BASKET - CE												1	E/		*****				-
PLUG CMTG	TOP.	8 5/8,H	WE,7.2	20 MIN	/8.09	MA .						1	ΕA						
·	<u> </u>		•				Tools	s and Acc	cessor	ies		-	1						-
Туре	Size	Qty	Make	Dep	th	Туре	Size		Make		enth	T	Туре	,	Si	ze	Qt	v	Make
Guide Shoe	0,20		,,,,,,,,	ССР		cker	- O.Z.	- Giy	Make	-	сри		Plug		0.	20	41	y	Marc
Float Shoe	l			 		dge Plug	-						om Pl	uo					
loat Collar				 		tainer			 	\top			plug						
nsert Float					1					_			Cont		-				
Stage Tool					$\neg \neg$		1			-			ralize						
				•		7	/lisce	llaneous	Mater	ials							,		
Gelling Agt			Co	nc		Surfac	··			onc		Acid	1 Туре			Qty		C	onc %

Summit Version: 7.20.130

Monday, May 17, 2010 22:38:00

Cementing Job Summary

Treatr	nent Fld		Co	onc		Inhibito	r		Conc	San	d Type		Size	Qty
	•						Flo	uid Data					1	
S	tage/Plug	#: 1		******										
Fluid #	Stage 1	Гуре		F	luid Nar	ne		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk		Rate bbl/min	Total Mix Fluid Gal/s
1	Water Pro	9-							bbl	8.33	.0	.0	5.0	
2	Halliburto Light Stan		HALLIB SBM (12	URTON 313)	LIGHT	STAND	ARD -	230.0	sacks	12.4	2.09	11.42	5.0	11.42
	2 %				RIDE -	HI TEST	PELLE	T (100005	053)	<u> </u>			<u> L</u>	<u> </u>
	0.5 lbm		POLY-E											
	11.423 Ga	I	FRESH	WATER			· · · · · · · · · · · · · · · · · · ·	****	*					
3	Standard Cement		CMT - S (1000036		RD CEN	ENT		200.0	sacks	15.6	1.2	5.24	5.0	5.24
	94 lbm		CMT - S	TANDAF	RD - CLA	ASS A R	EG OR	TYPE I, B	ULK (10	0003684)			<u> </u>	
	2 %		CALCIU	M CHLO	RIDE - I	HI TEST	PELLE	Γ (100005	053)	·				
	0.25 lbm		POLY-E					<u>-</u>		·	**			
	5.238 Gal		FRESH	WATER						··-		······································		
4	Displacen	nent							bbl	8.33	.0	.0	5.0	
Ca	Iculated \	/alues		Pre	ssures		1	!		1	olumes		0.0	
)isplac	ement		Shut	in: inst	ant		Lost R	eturns		Cement SI			Pad	
op Of	Cement		5 Mi	n			Cemen	t Returns		Actual Dis		nent	Treatm	ent
rac G	radient		15 M	in			Spacer	s		Load and E			Total Jo	
							R	ates	· · · · · · · · · · · · · · · · · · ·			· • • • • • • • • • • • • • • • • • • •	1 1	
Circul				Mixin	g			Displac	ement			Avg. Jo	bb	
	ent Left In		Amount		Reaso		Joint			· · · · · · · · · · · · · · · · · · ·			.	
Frac R	ing #1@		D I	rac ring	#2@	[1	D	Frac Ring	#3@	ID		Frac Ring	#4@	ID
Th	e Informa	ation S	Stated I	Herein	ls Cor	rect		er Represer		nature	K			

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SEP 2 2 2010
KCC WICHITA

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To	#: 278444	14	Quote #:	Sales	Order #: 7377325
Customer: ANADARKO P	ETROLEUM C	ORP - E	BUS	Customer Rep: (
Well Name: Stecher		M	/ell #: A2	1 P ,	API/UWI #:	
Field:	City (SAP): H	UGOTON	Count	y/Parish: Stevens	State:	Kansas
Legal Description:		.,,			- m 1	
Lat: N 0 deg. OR N 0 deg.	0 min. 0 secs	•		Long: E 0 deg. C	OR E 0 deg. 0 min. 0	secs.
Contractor: TRINIDAD		Rig/Platf	orm Nam	e/Num: 208	<u> </u>	
Job Purpose: Cement Sur	face Casing	- 			Ticket Amount:	
Well Type: Development V	Vell	Job Type	e: Cement	Surface Casing		
Sales Person: PRYOR, RO	DDNEY		ervisor: \	WILTSHIRE,	MBU ID Emp #:	195811
Activity Description	Date/	Time	Rat Cht bb	/ Volume bbi	Pressure psig	Comments

Activity Description	Date/Time	Cht	Rate bbl/ min	Į-	ume bi	Pressure psig		Comments
	· ·	#		Stage	Total	Tubing	Casing	
Call Out	05/17/2010 17:30							
Arrive At Loc	05/17/2010 20:00							
Pre-Job Safety Meeting	05/17/2010 20:15					-		
Start Job	05/17/2010 21:43							8 5/8" SURFACE CASING
Test Lines	05/17/2010 21:44						2500. 0	,
Pump Lead Cement	05/17/2010 21:48		6	86			.0	230 SKS HLC @ 12.4#
Pump Tail Cement	05/17/2010 22:03		5	43			.0	200 SKS CLASS A @ 15.6#
Drop Top Plug	05/17/2010 22:12		5		129		50.0	END CEMENT
Pump Displacement	05/17/2010 22:13		4	36			.0	WATER
Other	05/17/2010 22:21		2	26			150.0	SLOW RATE
Other	05/17/2010 22:24						180.0	PRESSURE BEFORE LANDING PLUG
Bump Plug	05/17/2010 22:24		2		36		900.0	FLOAT HELD
End Job	05/17/2010 22:26							
Cement Returns to Surface	05/17/2010 22:28				62			62 BBLS OF CEMENT TO PIT

RECEIVED SEP 2 2 2010

KCC WICHITA

Sold To #: 300466

Ship To #:2784444

Quote #:

Sales Order #:

7377325

SUMMIT Version:

7.20.130

Monday, May 17, 2010 10:38:00

Cementing Job Summary

Sold To #:			OCTOS:	1110 10	T. 7/	ΧΔΔΑΛ	Excelle	Qu	ote #:				Sa	les Or	der#	. 729	37046
Customer: Well Name	AIVADA	KKO	-EIROL	EUM	CORP			Cu	stome	r Rep: /	\lm:	nza A	braha	m	uei #	. / 30	7/940
Field:	. Steche	·I′	1			Well	#: A2F	(P					/UWI				
	TOUR		City (SAP):			Cou	nty/Pa	rish: S	Stevens				ate: Ka	ncoc		
Contractor					Rig/	Platfor	m Nan	ne/Nui	m: TR	INIDAD	#20	8		atu. No	iiiodS		
Job Purpos	se: Cen	ient Pi	roductio	n Casi	ng												
Well Type:	Develop	ment	Well		Job	Type:	Cemen	t Prod	luction	Casing							
Sales Perso	on: HES	ON,	MYRO	V 	Srvc	Super SHEK	visor:	WILT	SHIRE	,	N	1BU ID	Emp	#: 19	5811		
HES Emp	Name	Evn	U F		T		Job F		nel								
HAYES, CR	AIG H	8		mp # 9385	H	ES Em	p Name	E	xp Hrs	Emp#		HES	Emp I	Name	Fv	р Нг	c Em-
WILTSHIRE		8			LOPE	EZ, JUA	NR -	- 1	8	198514	1	ORRE	S, CLE	MENTE	8	P 111	s Emp 34423
MERSHEK T	onje	"	19	5811							\top				- -		1 0 1 1 2 3
			 ,		L												1
HES Unit #	Distanc	e-1 wa	V HES	S Unit #	t Di	stance		ipmer		 							
					- 51	-tarice	· i way	HE	S Unit #	Dist	псе	-1 way	HE	S Unit #	# D	istar	ice-1 wa
							1-1-										
Date	On Loc	ation	Operat	ing T	Date			Hour									
	Hou		Hour		Dall		On Loc			rating	1	Date	C	n Loca		0	perating
074									H-	ours	1_			Hour	s		Hours
OTAL							T	Total is	the su	n of eac	L_						
			Job)					301	ii Ui U aCi	COI						
ormation Nar													b Tin				
ormation Dep orm Type	oth (MD)			,	Bot	ttom		WW)	Called	Out	+,	Da 2 - May			me	Tir	ne Zone
ob depth MD	20	- Jim		BHST			305		On Loc			2 - May 2 - May			:00		CST
ater Depth	5052	375 0.		Job De			375		Job Sta			2 - May 2 - May			:00 :47		CST
erforation De	nth (840)	E	, 	Wk Ht		Floor	5.			mpleted		2 - May			34		CST
	Petr (INID)	i-10m	L		То				Departe	d Loc		2 - May	- 2010	16:			CST CST
Description	New	/ A	1ax	0:		<u> </u>	Well	Data									001
	Use	pre	ssure sig	Size in	ID in	Weig Ibm/		Thi	read	G	irade		p MD ft	Botto MD	1 .	op VD	Bottom
roduction Ope	n				7.875	 								ft	ı	ft	ft
le					1.075	1	1						75.	375 0			
1/2 Production sing	1	w		5.5	5.012	14.							30	3061			
Irface Casing	Unkno			20-									.	3750.			
	n	vv	8.	625	8.097	24.								3056 -675			
						10=15							.	621	1.		
		····	Des	criptic	<u>></u>	ies/Ke	ntal/3"	Part	y (HES)				_=	W		
OE,GID,5-1/2	8RD				/II					Qty	Q	y uom	Dep	th	Sı	ıppli	er
JG ASSY,LTH	-DWN,5	1/2 13-	23#.F/ 2	875						1		EA					
TELE ASSY - 5	5-1/2 8RC) - LAT	CH-DOV	VN			·			1		EA					
VIRALIZER A	SSY - TL	RBO -	API -							1		EA					
HALL WELD-	A									14	1	EA					
						Tools	and A-			1		EA					
Type Size	e Qty	Make	Depth	Tv	ре	Size	and Ac					· · · ·					
de Shoe				Packe		JIZE	Qty	Mak	re De	pth	Ty		Siz	ze	Qty		Make
t Shoe				Bridge						Тор							
t Collar				Retain				 				Plug			DEC	- n	
- Cl 4						. 1				1						- 77	- F
rt Float e Tool								T				g set ntainer	 		REC	LIV	ロリ

Cementing Job Summary

Galli	ina A . 4			Miscellar	eous M	ateriale						
	ing Agt		Conc	Surfactant		Conc	1		T			
rrea	tment Flo	1	Conc	Inhibitor		Conc		d Type	-	Qty	Con	3
				Fli	id Data		San	d Type		Size	Qty	7
	Stage/PI				iiu Data	l,			·			
Fluid #		е Туре	Fluid	l Name	Qty	Qty	Mixing Density	Yield ft3/sk	Mix Fluid	Rate bbl/min	Total Fluid G	
'	Water Flush	Pre-				bbi	Ibm/gal 8.33	.0	Gal/sk .0	6.0		
2	Mid-Co Standar	_	MIDCON-2 CEMEN (15078)	T STANDARD - SBM	220.0	sacks	11.4	2.89	17.84	6.0	17.8	_
	0.25 lb	m	POLY-E-FLAKE (10	1216040)	L					0.0	17.04	Ŧ
	17.838 (3al	FRESH WATER	72 10940)						<u> </u>		-
3	50/50 P STANDA	RD	POZ STANDARD 50)/50 - SBM (12308)	280.0	sacks	13.3	1.63	7.25	6.0	7.25	
	10 lbm		KOL-SEAL, BULK (1	000642331							7.20	
-	0.5 %		HALAD(R)-322, 50 L	B (100003646)								
	0.25 lbr	n	POLY-E-FLAKE (101	216940)								
	7.25 Ga	1	FRESH WATER	210040)								_
	2% KCL w/ Biocid Displacer	е	·		73.00	bbl	8.33	.0	.0	6.0		_
	2.5 gal/Mg		CLAVEIX 3 TOTETA	NIK (40.450.5			İ		ļ			
	.021 gal/t		CLAYFIX 3, TOTETA BE-7, TOTE TANK (1	NK (101583425)				<u>-</u>				_
	42 gal/bb		WATER - FRESH - G	01649552)						···		_
	culated										 :	_
	ement	- Lides	Pressur Shut In: Instant				Vol	umes				_
	Cement	<u> </u>	5 Min	Lost Ret		C	ement Slui		Τ	Pad		
c Gr	adient		15 Min	Cement I	Returns	A	ctual Disp	lacement		Treatmer		
		-	10 Mill	Spacers		Lo	oad and Br	eakdown		Total Job		
rcula	ting	<u> </u>	Mixing	Rat					اــــــا	TOTAL JOE	<u>'</u>	_
	nt Left in	Pipe /	Amount 0 ft Rea	1	Displace	ment			Avg. Job	 	·	_
ac Ri	ng # 1 @							——— <u>·</u>	·· 3. 55b			
			Stated Herein Is C		ac Ring Representa	# 3 @	ID ture		Ring # 4	@	ID	

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KCC WICHITA Cementing Job Log

The Road to Excellence Starts with Safety

Customer: ANADARKO PE	Ship To #: : TROLEUM COR	P- FRIE	e	Quote			S	ales Order #: 7387946
vveii Name: Stecher			*: A2HI	Custor	ner Rep: /	\Imanza,	Abraha	ım
	City (SAP): HUG					А	PI/UWI	#:
Legal Description:	-10 (O) (O) (O)	OTON	County	/Parish:	Stevens		Sta	te: Kansas
Lat:				F				
Contractor: TRINIDAD	Di	n/Dines		Long:				
Job Purpose: Cement Prod	uction Casino	y/Fiationi	i Name/	Num: T	RINIDAD #	‡ 208		
well Type: Development W	ell	h Tunas O				Ticke	t Amou	nt:
Sales Person: HESTON, M'		b Type: C	ement F	roductio	n Casing			
,		rc Superv RSHEK		IL I SHIF	RE,	MBU	ID Emp	#: 195811
Activity Description	Date/Time	e Cht	Rate bbl/	-1	olume bbl	ł	ssure	Comments
<u> </u>			min			'		Comments
Call Out	05/22/2010	#	 	Stage	Total	Tubing	Casin	g
	04:00	'						
Arrive At Loc	05/22/2010		 	 	+		 	
Oro Joh Ord	08:00	}	1					
Pre-Job Safety Meeting	05/22/2010				 	<u> </u>	 	
Start Job	08:15						1	
ZWIT OUD	05/22/2010				1		 	5 1/2" DD0D110=
est Lines	12:47							5 1/2" PRODUCTION CASING
	05/22/2010 12:47						4000.	CASING
Circulate Well	05/22/2010						0	
	12:52		6	65	1 1		350.0	N2 MUD
ump Lead Cement	05/22/2010	++	4	113	 			
	13:06		7	113			250.0	220 SKS MIDCON 2
ump Tail Cement	05/22/2010		4	81				11.4#
rop Top Plug	13:32		•	٠,		- 1	.0	280 SKS 50/50 POZ
ioh ioh Einä	05/22/2010		4		194		.0	13.3#
ean Lines	14:00	+			,		.0	END CEMENT
	05/22/2010 14:04							
ımp Displacement	05/22/2010	+						
	14:10		4	73			.0	KCL WATER WITH B
her	05/22/2010	 	2	63				7
	14:29			03			350.0	SLOW RATE
her	05/22/2010						100 -	
mp Plug	14:32					1 '	400.0	PRESSURE BEFORE
inp Flug	05/22/2010		2		73			LANDING PLUG
d Job	14:32				_		0	FLOAT HELD
·-	05/22/2010 14:34		-					NO CIRCULATION AN
	17.04		1					NO CEMENT
			İ	1				RETURNS TO
	·]	- 1		SURFACE

RECEIVED

Sold To #: 300466

Ship To #:2784444

Quote # :

SEP 2 2 2015 ales Order # :

7387946

SUMMIT Version:

7.20.130

Saturday, May 22, 2010 03:05:00

KCC WICHITA

Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 300466 Ship To #: 2784444 Quote #: Sales Order #: 7380575 Customer: ANADARKO PETROLEUM CORP - EBUS Customer Rep: Well Name: Stecher Well #: A2HP API/UWI #: Field: City (SAP): HUGOTON County/Parish: Stevens State: Kansas Contractor: TRINIDAD Rig/Platform Name/Num: TRINIDAD #208 Job Purpose: Squeeze Lost Circulation Well Type: Development Well Job Type: Squeeze Lost Circulation Sales Person: Srvc Supervisor: SMITH, BOBBY MBU ID Emp #: 106036 Job Personnel **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# ARNETT, JAMES Rav 7.5 226567 MATA, ADOLFO V 7.5 419999 SMITH, BOBBY Wayne 106036 7.5 **Equipment HES Unit #** Distance-1 way **HES Unit #** Distance-1 way **HES Unit#** Distance-1 way **HES Unit #** Distance-1 way 10240245 50 mile 10243558 50 mile 10714253C 50 mile 10994449 50 mile 11133699 50 mile Job Hours Date On Location Operating Date On Location Operating Date On Location Operating Hours Hours Hours Hours Hours Hours TOTAL Total is the sum of each column separately Job **Job Times** Formation Name Date Time Time Zone Formation Depth (MD) Top Bottom Called Out 19 - May - 2010 12:00 CST Form Type BHST On Location 19 - May - 2010 15:00 CST Job depth MD 1654. ft Job Depth TVD 1654. ft 19 - May - 2010 Job Started 18:45 CST Water Depth Wk Ht Above Floor 2. ft Job Completed 19 - May - 2010 19:35 CST Perforation Depth (MD) From To Departed Loc 19 - May - 2010 22:30 CST Well Data Description New / Max Size ID Weight Thread Grade Top MD **Bottom** Top **Bottom** Used pressure in in lbm/ft MD TVD ft **TVD** psig ft ft ft **Production Open** 7.875 675 3750 Hole 630 3060 Production Unknow 5.5 5.012 14. 675. 3750. Casing 305a (D) Surface Casing Unknow 8.625 8.097 24 675. 621 DRILL PIPE Unknow 4.5 16.6 1684 **Tools and Accessories** Type Size Qty Make Depth **Type** Size Qty Make Depth Type Size Qtv Make **Guide Shoe** Packer Top Plug Float Shoe Bridge Plug **Bottom Plug** Float Collar Retainer SSR plug set Insert Float Plug Container Stage Tool Centralizers **Miscellaneous Materials** Gelling Agt Conc Surfactant Conc Acid Type Conc Qtv Treatment Fld Conc Inhibitor Sand Type Conc Size Qtv

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Cementing Job Summary

				Flu	id Data							
S	tage/Plug #: 1			· · · · · · · · · · · · · · · · · · ·								
Fluid #	Stage Type	Fluid	Name		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min		al Mix Gal/sl
1	Water Pre-Flush	ו			10.00	bbl	8.33	.0	.0	6.0		
2	STANDARD THIXOTROPIC	CMT - STANDARD ((100003684)	CEMENT		150.0	sacks	13.7	1.81	8.23		8	.23
	94 lbm	CMT - STANDARD -	CLASS A RE	G OR 1	YPE I, BU	JLK (10	0003684)	· · · · · · · · · · · · · · · · · · ·		L		
	4 %	BENTONITE, BULK	(100003682)									
	10 lbm	KOL-SEAL, BULK (1	00064233)								 .	
	2 %	CALCIUM CHLORID	E - HI TEST	PELLET	(1000050)53)						
	10 %	CAL-SEAL 60, 50 LB	BAG (10121	17146)				***				
	8.23 Gal	FRESH WATER										
3	50/50 POZ STANDARD	POZ STANDARD 50	/50 - SBM (1	2308)	200.0	sacks	13.9	1.55	6.41	6.0	6.	41
	10 lbm	KOL-SEAL, BULK (1					··-		·			
	6 %	CAL-SEAL 60, 50 LB		,			·			_		
	1 %	CALCIUM CHLORIDI	E - HI TEST I	PELLET	(1000050	53)						
	6.407 Gal	FRESH WATER										
4	Displacement					bbl	8.33	.0	.0	6.0		
	Ilculated Values		res				Vo	olumes	,			
	cement	Shut In: Instant		Lost Re	turns		Cement SI	urry		Pad		
	Cement	5 Min			Returns		Actual Dis	placeme	ent	Treatm	ent	
-rac G	radient	15 Min		Spacer			Load and I	Breakdo	wn	Total J	b	
<u> </u>		· · · · · · · · · · · · · · · · · · ·		R	ates	·	r					
Circul		Mixing		1	Displac	ement			Avg. Jo	b		
	ent Left In Pipe Ring # 1 @		ason Shoe		D:	# 0 6		T 1_				
i lac r	ving # 1 @	ID Frac ring # 2	2 @ 10		Frac Ring			F	rac Ring #	4@	ID	
Th	e Information	Stated Herein Is (Correct	Custom	er Represe	ntative S	ignature					

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KCC WICHITA

Cementing Job Log

		i ne Road	to E	excellent	ce Starts	with Sat	fety				
Sold To #: 300466	Ship To #	: 278444	4	C	Quote #:			Sales C	Order #: 7380575		
Customer: ANADARKO P	ETROLEUM C	ORP - E	BUS	C	Custome	Rep:	•				
Well Name: Stecher		V	Vell #	#: A2HP			API	/UWI #:			
Field:	City (SAP): HI	UGOTON		County/P	arish: St	evens		State: K	ansas		
Legal Description:							-				
Lat: N 0 deg. OR N 0 deg.	0 min. 0 secs.			L	ong: E 0	deg. Of	RE0 deg.	0 min. 0 se	ecs.		
Contractor: TRINIDAD		Rig/Platt	orm								
Job Purpose: Squeeze Lo	st Circulation		Ticket Amount:								
Well Type: Development V	Vell	Job Type: Squeeze Lost Circulation									
Sales Person:		Srvc Su	pervi	sor: SMI	ITH, BOB	BY	MBU IE	Emp #: 10	06036		
Activity Description	Date/	Time	Cht	Rate bbl/ min		ume bl		sure sig	Comments		
			#		Stage	Total	Tubing	Casing	DECENT		
Call Out	05/19/2	2010							RECEIVED		
	12:00								SEP 2 2 2010		
Depart Location Safety	05/19/2	2010							JLF Z Z ZUJU		
Meeting	1 1/1:00	1		1 1			1				

KCC WICHITA Arrive At Loc 05/19/2010 15:00 Assessment Of Location 05/19/2010 drill pipe pulled up to the Safety Meeting 15:00 surface casing, waiting for halliburton to get on location. Pre-Rig Up Safety Meeting 05/19/2010 15:10 Rig-Up Completed 05/19/2010 16:00 Other 05/19/2010 drill pipe going to the 16:32 bottom of the hole Other 05/19/2010 drill pipe out of the hole 18:30 Other 05/19/2010 drill pipe on bottom 18:30 Safety Meeting - Pre Job 05/19/2010 18:40 Start Job 05/19/2010 lost circulation. 18:45 **Test Lines** 05/19/2010 3500. 18:46 0 Pump Spacer 1 05/19/2010 10 85.0 water spacer 18:47 **Pump Lead Cement** 05/19/2010 48.35 75.0 35.0 150 sx = 271.5 ft3 =18:51 1191.7 ft with drill pipe

Sold To #: 300466

Pump Tail Cement

Other

Ship To #:2784444

05/19/2010

05/19/2010

18:52

19:07

Quote #:

35.0

60.0

55.21

Sales Order #:

pipe in

no mud returns

200 sx = 310 ft3. =

1360.78 ft with drill

7380575

SUMMIT Version:

7.20.130

Wednesday, May 19, 2010 08:26:00

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	05/19/2010 19:28			8				water
End Job	05/19/2010 19:35				-			
Safety Meeting - Pre Rig-Down	05/19/2010 19:45							
Rig-Down Completed	05/19/2010 22:00				.,			
Safety Meeting - Departing Location	05/19/2010 22:15							
Depart Location for Service Center or Other Site	05/19/2010 22:30							Thank you for calling Halliburton. Bob and crew.

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SEP 2 2 2010
KCC WICHITA

Sold To #: 300466

Ship To #:2784444

Quote #:

Sales Order # :

7380575

SUMMIT Version: 7.20.130

Wednesday, May 19, 2010 08:26:00