Date:	24-Oct-14			Casing	Size: 13 3	3/8						
Block:				OCSG:	OCSG: PIHL Casing Setting Deptl		Well :: 174.48 Hole			No. <u>1-33H</u>		
TD:	180			Casing						14 3/4		
			CAS	ING ON I	HAND							
JTS	OD	WT	GRADE	THDS	LENG	TH	MAN	UFACTUR	ER I	OATE RC	U'VD	
5	13 3/	8 54	J-55	8RD	199.0	00				10-22-1	14	
1	13 3/	8 54	J-55	8RD	18.7	1				10-22	14	
ITEG		DEGCRE	LOG OF CA	ASING R			WT	CDD	THE	LEN	CTIL	
JTS	12.2/0.0	DESCRI	PTION		OD			GRD	THD	LENG		
4	13 3/8 C				13 3/8		54	J-55	8RD	160		
1	13 3/8	CUT-OFF			13 3/8		54	J-55	8RD	18.	/6	
										+		
Centraliza	ers @					Į.				179	30	
Centranzo						_	Les	s Cut Off J	oint	18.		
					Plus RKE					.8		
					Casing Set						.48	
								U		ı		
			CEME	NTING R	EPORT							
Cementin	g Company	ALLIED OIL	& GAS SERVIC	ES	No. Of U	Jnits	2					
Spacers		10		W		_			@	8.4	ppg	
Cemented	l With:	80	sks of Clas	ss REG W	7/ 3% CC, 2	% GEL	., 1/4 FI	LO-SEAL			_	
			@	15.6 pr	g Yield =	1	.32				cf/sk	
Followed	Ву		sks of Clas	ss	plus						_	
			@	pr	g Yield =						cf/sk	
Displaced	l With:	18	bbls of	Water					@	8.4	ppg	
Plug Bum	nped At		bbls displa	acement. Pr	essured up t	to:					psi	
Plug	bumped NO		Cem	nent: Di	d circulate.	YES V	Volume	cmt to surfa	ace 10	SKS	bbls	
Estimated	l Top of Cemer	t <u>CIRCULATE</u>	D Circulation	n Lost @	NO					_		
Recomm	neded WOC Ti	me 4 HRS.	Cement in	Place @	6:00	0 AM ,	SPOTT	ED CEME	NT			
			CASING	LEFT O	N ROARI	n						
JIS	LENGTH	DECC	RIPTION		OSITION	1	NSDOI	RTATION	DATE	OFF-I OA	DED	
1	39.37	13 3/8 STC, J-55,	KII 11011	YARD	OBITION	TRANSPORTATION			DATE OFF-LOADED			
1	18.71	13 3/8, CUT-OFF			'ARD					0-22-14		
1	10./1	13 3/0, COT-OFF			11(1)					J 22-14		
<u> </u>				1		1						

Reported By: ROY BLACK Date: 25-Oct-14

Date:	25-Oct-1	4			Size: 9 5/8						
Block:					OCSG:	PIHL	Well No.			1-33H	
TD:			473		Casing S	etting Depth:	465.85	Hole	Size	12 1/4	
				CAS	ING ON H						
JTS	S	OD	WT	GRADE	THDS	LENGTH	MAN	UFACTUR	ER I	DATE RC'VD	
1		9 5/8	36	J-55	8RD	16.14				10-22-14	
11		9 5/8	36	J-55	8RD	454.74				10-22-14	
	•			LOG OF C	ASING RU	N IN HOL	E	•			
JTS	S		DESCRIP	TION		OD	WT	GRD	THD	LENGTH	
11	9 5/8	3, 36#, J	-55, STC			9 5/8	36	J-55	8RD	454.74	
1	9 5/8	3 CUT-O	FF, 36#			9 5/8	36	J-55	8RD	16.14	
		CENTR		RST, THIRD,FII	FTH, SEVENT	ТН,				470.88	
			NIN	TH					OFF JT	18.83	
									S KB	13.8	
								CASING	SEI AI	465.85	
				CEME	ENTING RI	PORT					
Comonti	ng Compar	177	ALLIED OIL	& GAS SERVIC		No. Of Unit	s 2				
Spacers	ng Compai		20	bbls of		_ No. Of Clift			@	8.4 ppg	
Cemente	ad With:	260	20		ss REG, W	3%CCC 2%	GEL 1//	7 FLO-SEA		8.4 ppg	
Cemente	a with.	200				Yield = 1.		TLO BLA		cf/sk	
Followed	1 Rv			sks of Cla		plus				C1/ 5R	
Tonowec	аБу			sks or end @		Yield =				cf/sk	
Displace	d With		35	bbls of					0	8.4 ppg	
Plug Bui			35		acement. Pres					psi	
Plug	bumped					circulate. Y			ace	15 bbls	
_	ed Top of C	ement	CIRCULATEI		n Lost @	NO					
	neded WO		4		Place @	7:30 AM				_	
JIS	I ENC	гн	DESCD		LEFT ON		ΓRANSPOI	STATION	DATE	OFF-LOADED	
1		LENGTH DESCRIPTION 16.83 9 5/8 CUT-OFF			YARD		111111111111111111111111111111111111111			9-22-14	
•	10.0.				1711(1)					1	
	1										
	ı				ı	1					

Reported By: ROY BLACK Date: 25-Oct-14

Date:	30-Oct	-14				C	asing Si	ze:	7"				
Block:	ock:					OCSG: PIHI					Well	l No. 1-33H	
TD:		3,69	00			Casing Sett		tting Depth:		3,667 Hole		Size	8 3/4
					CAS		ON HA						
JTS	3	OD		WT	GRADE		IDS	LENG	ТН	MANI	JFACTUR	ER D	ATE RC'VD
64		7		26	J-55		RD	2,629.		IVII II VC	MINOTHETEREN		10-29-14
1		7		26	L-80		BUTT	45.9					
34		7		26	L-80		TRESS	1,392.					
				-				,					
					LOG OF C	CASIN	G RUN	IN HO	OLE				
JTS	S			DESCRIPT	ION		OD			WT GRD			LENGTH
55		LTC	2					7		26	J-55	8RD/BU	2249.70
1	C	ROSSC	VER				7			26	J-55	8RD/BU	45.89
34	7'	BUTT	RESS				7		26	N-80	BUTT	1392.89	
1	G	UIDE S	НОЕ										1.45
Centraliz	zers @			31,33,35,3	9,45				_				3,686.93
							Less Cut O			Cut Off J	f Joint 33.74		
										Plus RKB to Cut Off			13.8
										Casi	ing Set At		3666.99
					CEMI	ENTIN	IG RE	PORT					
Cementii	ng Comr	nanv		ALLI	ED OIL & GA			No. Of U	Inits	2			
Spacers	ng com	July		30	bbls of				11113			@	8.6 ppg
Cemente	d With:			175					SONI	TE . 3% (CC, 1/4 FL		FF8
						15		Yield =	-	1.51	, -/		cf/sk
Followed	l Bv				sks of Cla								
	,				@								
Displace	d With:			139	bbls of								8.4 ppg
Plug Bur				139.3						1,50			psi
Plug	•		FLOA	AT DID HOLD	YES Cei						emt to surfa	ace	0 bbls
Estimate				2,300	Circulation								
Recomm	_		_	4 HRS.	Cement is			21:0	00	10-30-14			-
			_										
					CASINO								
JIS		GTH	7 ~~	DESCRI	PTION	DISPOSITIO		SITION	TRANSPORTAT		TATION		OFF-LOADED
9		7.93		RD LTC, 26#	. ma	Y	ARD						0-29-14
1	2	23	CUT	OFF, 8RD 26#	, LTC		YA	KD				1	0-29-14
									-				
<u> </u>	1								1				

Reported By: ROY BLACK Date: 1-Nov-14

	Date	e 11-9-14		Casing Si	ze:	4 1/2					
Block:							PIHL Wel			[
TD:		7,854		Casing Se	etting Depth	n: 7,84	7,842.91 Hole Size			6 1/8	
			CASI	NG ON H	A NID						
JTS	S OD	WT	GRADE	THDS	LENGT	H MANII	FACTUR	FR	DATE R	C'VD	
129				BUTTRESS	5,437.6				11-5-		
2	4 1/2			ROSSOVER	,				11.5-		
1	4 1/2	2 11.60	L-80	M. JT	23.40				11.5-		
64	4 1/2	2 11.60	J-55	8 RD	2,626.63	3			11.5-	14	
			LOCOECA	CINC DI	N IN HO	LE					
ITC	,	DECCDI	LOG OF CA	SING KUI	OD OD	WT	CDD	TIID	LE	VCTII	
JTS 58		DESCRI	TION		4 1/2	11.60	GRD J-55	THD 8 RD		NGTH 85.40	
28					4 1/2	11.60	L-80	BUTT		42.11	
1	HANGE				4 1/2	11.00	L-60	BUII		0.24	
5	CSG				4 1/2	11.60	L-80	BUTT		9.07	
1	MARKE	R JT			4 1/2	11.60	L-80	BUTT		0.95	
96					4 1/2	11.60	1-80	BUTT		36.68	
1					, _					.22	
1		COLLAR							1	.43	
1	4 1/2 BU				4 1/2	11.60	L-80	BUTT	4	1.94	
1	FLOAT S	SHOE							1	.61	
Centraliz	zers @					ТОТ	`AL		7,8	50.85	
						Less	Cut Off J	oint	2	1.35	
						Plus	RKB to C	ut Off	1:	3.80	
						Casi	ng Set At		7,8	42.91	
			CEMEN	TING RE	PORT						
Cementin	ng Company	ALLIED OIL				its 3					
Spacers	20		bbls of	MU	D FLUSH			@	8.6	ppg	
Cemente	ed With:	400 SKS	sks of Class	Н, У	N/						
			@	15.6 ppg	Yield =	1.23				cf/sl	
Followed	d By		sks of Class		plus						
			@	ppg	Yield =					_cf/sk	
	ed With:	76.3	bbls of	WATER				@	8.4	ppg	
Displace										ps	
-		76	bbls displac	ement. Pres	sured up to	1,300					
Plug Bun Plug	mped At Did BUN Yes	Floats: Did	hold. Yes Ceme	nt: Did	_	: <u>1,300</u> NO Volume c	mt to surf	ace	10	bbls	
Plug Bun Plug Estimated	mped At Did BUNYes d Top of Cemer	Floats: Did	hold. Yes Cemer Circulation	nt: Did Lost @ NO	circulate. I		mt to surf	ace			
Plug Bun Plug Estimated	mped At Did BUN Yes	Floats: Did	hold. Yes Ceme	nt: Did Lost @ NO	_		mt to surf	ace			
Plug Bun Plug Estimated	mped At Did BUNYes d Top of Cemer	Floats: Did	hold. Yes Cemer Circulation	nt: Did Lost @ NO Place @	6:00AM	NO Volume c	mt to surf	ace			
Plug Bun Plug Estimated	mped At Did BUNYes d Top of Cemer	Floats: Did nt <u>3400</u> me <u>4</u>	hold. Yes Cemer Circulation Cement in F	nt: Did Lost @ NO Place @ LEFT ON	6:00AM	NO Volume c				isplaced	
Plug Bun Plug Estimated Recomm	mped At Did BUN Yes d Top of Cemer anneded WOC Ti	Floats: Did nt <u>3400</u> me <u>4</u>	Circulation Cement in F CASING	nt: Did Lost @ NO Place @ LEFT ON DISPO	6:00AM BOARD	NO Volume c			_ bbls d	isplaced	
Plug Bun Plug Estimated Recomm	mped At Did BUN Yes d Top of Cemer nneded WOC Ti	Floats: Did nt 3400 me 4 DESC	Casing Casing Chreater Chreater	nt: Did Lost @ NO Place @ LEFT ON DISPO YA	6:00AM BOARD SITION	NO Volume c			_ bbls d	isplaced	
Estimated Recomm	mped At Did BUN Yes d Top of Cemer uneded WOC Ti LENGTH 156.97	Floats: Did nt 3400 me 4 DESC LTC 8RD, BAD 1	Casing Casing Chreater Chreater	nt: Did Lost @ NO Place @ LEFT ON DISPO YA 86 YA	6:00AM BOARD SITION RD	NO Volume c			OFF-LC		

Reported By: ROY BLACK Date: 9-Nov-14