

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1119552

Form ACO-1 June 2009 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:	Sec TwpS. R [] East [] West
Address 2:	Feet from North / South Line of Section
City: State: Zip:	+ East / West Line of Section
Contact Person:	
Phone: ()	
CONTRACTOR: License #	
Name:	
Wellsite Geologist:	
Purchaser:	
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Worko	
	SIOW Amount of Surface Pipe Set and Cemented at: Feet
	SIGW Multiple Stage Cementing Collar Used? Yes No
	Temp. Abd. If yes, show depth set: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	If Alternate II completion, cement circulated from:
	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:	
Original Comp. Date: Original Total Depth:	Chloride content: ppm Fluid volume: bbls
Deepening Re-perf. Conv. to ENHR	Conv. to SWD Dewatering method used:
Conv. to GSW	
Plug Back: Plug Back Tota	
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec Two S.R. East West
ENHR Permit #:	County: Dermit #:
GSW Permit #:	Form(<i>π</i>
	on Date or etion Date

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							
Letter of Confidentiality Received							
Date:							
Confidential Release Date:							
Wireline Log Received							
Geologist Report Received							
UIC Distribution							
ALT I II Approved by: Date:							

	Side Two	1119552		
Operator Name:	Lease Name:	Well #:		
Sec TwpS. R East _ West	County:			

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No)	☐ Log Name	Formatior	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy)	Electronically	Yes No Yes No Yes No)					
List All E. Logs Run:								
		CAS	ING RECORD	New	Used			
		Report all strings	set-conductor, surfa	ace, interm	nediate, productio	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Fi		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed Production, SWD or ENHR			λ .	Producing N	_	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTE	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit A		Commingled (Submit ACO-4)		
(If vented, Subn	nit ACO	-18.)		Other (Specify)					

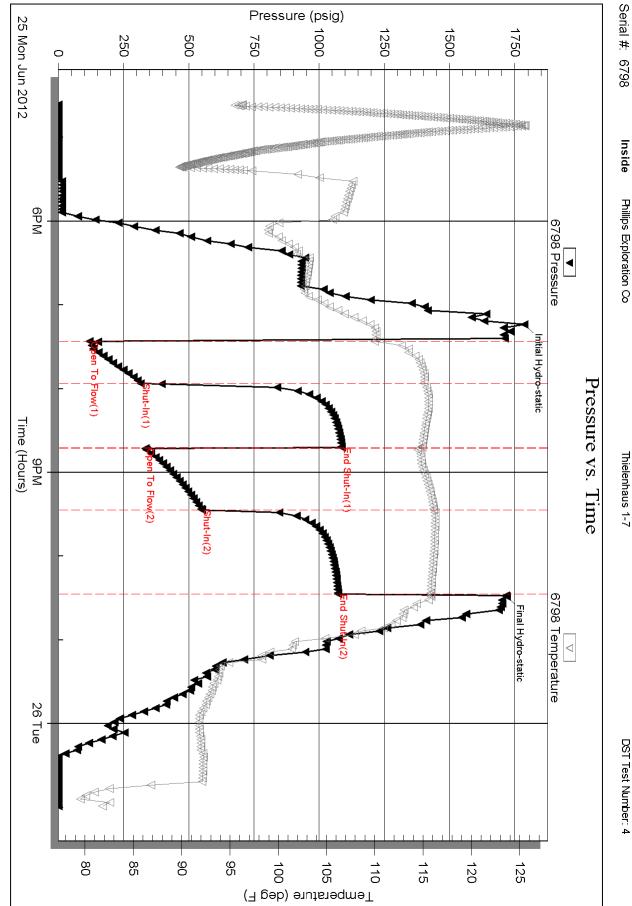
11 2 L	RILOBITE	DRILL STEM	IES	IREP	JRI				
新生		Phillips Exploration Co			7-1	7S-16W	Rush		
	ESTING , INC.	1601 Sagebrush	Thi	elenha	us 1-7				
		Wichita, KS 67230			Job	Ticket: 47	7608	DST#:4	
		ATTN: Larry Friend			Tes	t Start: 20)12.06.25 @	16:36:32	
GENERAL	INFORMATION:								
-	Arbuckle No Whipstock: ened: 19:26:02 ded: 01:00:32	ft (KB)			Tes Tes Unit	ter: I	Conventiona Leal Cason 45	al Bottom Hol	e (Reset)
Interval:	3560.00 ft (KB) To 36	57.00 ft (KB) (TVD)			Ref	erence Ele	evations:	2072.00	ft (KB)
Total Depth:	3657.00 ft (KB) (T	/D)						2067.00	ft (CF)
Hole Diameter	r: 7.88 inchesHole	e Condition: Good				KB t	o GR/CF:	5.00	ft
Serial #: 6									
Press@RunD	Depth: 549.71 psig 2012.06.25			2012 06 20	Capacity Last Cali			8000.00	psig
Start Date: Start Time:	2012.06.25 16:36:33	End Date: End Time:		2012.06.26 01:00:32	Last Cali Time On			2012.06.26 @ 19:13:47	
cart mile.	10.00.00			01.00.02	Time Off			@ 22:28:17	
	Pressure vs. T				PI	RESSUR	RE SUMM	ARY	
1750	Pressure vs. T	ime Image: S798 Temperature Image: First Notes tem:	- 125	Time	Pressure	Temp	RE SUMM		
1750			- 125 	Time (Min.) 0		Temp (deg F)	Annotatio	วท	
1750			- - 120	(Min.)	Pressure (psig)	Temp	Annotatio	on o-static	
			- 120 - 110 - 115	(Min.) 0 13 43	Pressure (psig) 1786.58 119.07 316.05	Temp (deg F) 109.56 109.98 115.10	Annotatio Initial Hydr Open To F Shut-In(1)	on o-static low (1)	
				(Min.) 0 13 43 88	Pressure (psig) 1786.58 119.07 316.05 1087.04	Temp (deg F) 109.56 109.98 115.10 114.90	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I	o-static low (1) n(1)	
				(Min.) 0 13 43 88 89	Pressure (psig) 1786.58 119.07 316.05 1087.04 333.59	Temp (deg F) 109.56 109.98 115.10 114.90 114.60	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F	o-static low (1) n(1)	
			Temperature (deg	(Min.) 0 13 43 88	Pressure (psig) 1786.58 119.07 316.05 1087.04	Temp (deg F) 109.56 109.98 115.10 114.90	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	o-static low (1) n(1) low (2)	
				(Min.) 0 13 43 88 89 134	Pressure (psig) 1786.58 119.07 316.05 1087.04 333.59 549.71	Temp (deg F) 109.56 109.98 115.10 114.90 114.60 116.12	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
			Temperature (deg)	(Min.) 0 13 43 88 89 134 194	Pressure (psig) 1786.58 119.07 316.05 1087.04 333.59 549.71 1073.70	Temp (deg F) 109.56 109.98 115.10 114.90 114.60 116.12 115.78	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
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1500 1250	OTHE Pressure	ES Frequenties Field doctation Field	Temperature (deg F) 121 115 110 126 129 8 8 8 8 8 8	(Min.) 0 13 43 88 89 134 194	Pressure (psig) 1786.58 119.07 316.05 1087.04 333.59 549.71 1073.70	Temp (deg F) 109.56 109.98 115.10 114.90 114.60 116.12 115.78 115.84	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	s Rate (Mcf/d)
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1000 1200	руде Presure	стерияцие стерияцие ран Новетане общение стерияцие ран Новетане общение 28 Тие 28 Тие Собщение общение 28 Тие Собщение общение общение общение собщение обще	Temperature (deg F) 121 115 110 126 129 8 8 8 8 8 8	(Min.) 0 13 43 88 89 134 194	Pressure (psig) 1786.58 119.07 316.05 1087.04 333.59 549.71 1073.70	Temp (deg F) 109.56 109.98 115.10 114.90 114.60 116.12 115.78 115.84	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	s Rate (Mcf/d)
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	RILORITE	DRI	LL STEM TEST REPOR	Т	F	LUID SUMMAR
施	RILOBITE	Phillips	Exploration Co	7-17S-16V	V Rush	
ESTING , INC			agebrush	Thielenha	aus 1-7	
		Wichita	a, KS 67230	Job Ticket:	47608	DST#:4
		ATTN:	Larry Friend	Test Start: 2	2012.06.25 @ 16	:36:32
lud and Cu	shion Information	•				
	l Chem		Cushion Type:		Oil A PI:	deg API
lud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	95000 ppm
iscosity:	65.00 sec/qt		Cushion Volume:	bbl		
Vater Loss:	10.19 in ³		Gas Cushion Type:			
esistivity: alinity: ilter Cake:	ohm.m 6900.00 ppm 0.02 inches		Gas Cushion Pressure:	psig		
ecovery Inf	ormation					
			Recovery Table		_	
	Leng		Description	Volume bbl		
		0.00	2333 GIP	0.00	0	
		558.00	Water	7.82	7	
		274.00	OMCW 2%O 30%M 68%W	3.84		
		248.00	OWCM 2%O 46%W 52%M	3.47		
	Total Length:	140.00	SOSGCM -1%O 1%G 98%M .00 ft Total Volume: 17.113 bb	1.96	4	
	Num Fluid Sam	-	Num Gas Bombs: 0	Serial #	<i>‡</i> :	
	Laboratory Na		Laboratory Location: V w as .65 @ 87 degrees			
	Recovery Con		w w as .05 @ 67 degrees			

Printed: 2012.06.26 @ 08:40:49

Ref. No: 47608





DST Test Number: 4



Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner February 06, 2013

Corporation Commission

Sam Brownback, Governor

PHILLIPS EXPLORATION COMPANY L.C. 1601 SAGEBRUSH WICHITA, KS 67230-7010

RE: API Well No. 15-165-21974-00-00 THIELENHAUS 1-7 SESENWNE, 7-17S-16W RUSH County, Kansas

Dear Operator:

Upon review of the above referenced well, the following documentation appears to be incomplete pursuant to K.A.R. 82-3-107. The requested information below should be submitted to the KCC to my attention by February 22, 2013 for processing. Failure to submit the requested documentation may be punishable by an administrative penalty pursuant to the General Rules and Regulations for the State of Kansas.

X All drilling and completion information. No TD and Completion date. (Month, Day, Year) ACO-1 has been received as of this date. Must have Footages from nearest outside corner of section. Must be notarized and signed. Side two on back of ACO-1 must be completed. Must have the ORIGINAL HARD COPY of ACO-1. Must have final copies of DST's/Charts. We do not accept fax copies. ____ All original complete open and cased hole wireline logs run. Must be put on new form and typed. ____ A copy of geological reports compiled by wellsite geologist. _ API # or date when original well was first drilled. A copy of all cement job logs showing type, amounts and additives used to cement casing strings, squezze and/or to Contractor License #. Designate type of Well Completion. plug and abandon. (Note: Cement tickets must be from If Workover/Re-entry, need old well information, company providing the cement, not necessarily the contractor.) Any commingling information; File on the ACO-4 form. including original completion date. Anything HIGHLIGHTED on ACO-1. Spud date. (Month, Day, Year) Other:

K.C.C. regulation 82-3-107 provides confidentiality, upon written request, for a period of one year from the date of such letter request. Confidentiality rights are waived if the ACO-1 remains incomplete, or is not timely filed (within 120 days from the well's spud date) including: electric logs, geologist's wellsite reports, driller's logs, and Kansas Geological Survey requested samples.

Do not hesitate to call the Kansas Corporation Commission, Conservation Division, at (316) 337-6200 if there are any questions. Note: If the intent is incorrect, you need to file a corrected intent.

Sincerely

Production Department

QUAL		/ELL CEMENTING, INC.
Phone 785-483-2025 Cell 785-324-1041		P.O. Box 32 Russell, KS 67665 No. 695
Sec	c. Twp. Range	County State On Location Finish
Date 6-27-12 7	17 16	Rush KS 2,30MIL
Lease This Phanes	Well No. /~>	Location Calatia W to 350Rd 41/25 Winto
Contractor / / / / / /	na vice locatinos Marsi as	Owner
Type Job Rotary Plus		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish
Hole Size > 78	T.D. 3750	cementer and helper to assist owner or contractor to do work as listed.
Csg.	Depth	Charge Sim Phillips
Tbg. Size	Depth	Street phillips Fyplano Fight
Tool	Depth	City State
Cement Left in Csg.	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
Meas Line	Displace	Cement Amount Ordered 200 60/40 40/0611 1/47FTC
	IPMENT	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Pumptrk G No. Cementer Helper	Matt	Common / 20
Bulktrk No. Driver	ravis	Poz. Mix & D
Bulktrk & No. Driver	29.1	Gel. 7 August and a state of the second state
	ES & REMARKS	Calcium
Remarks:	ty and proverty damage in	
Rat Hole 3754	NUMBER OF THE OF T	Salt
Mouse Hole	<u>n Rent Semencu O techos</u> 3 lis bras vas tectetas bras	Flowseal 30#
Centralizers		Kol-Seal
Baskets	pohubalijasinas	Mud CLR 48
D/V or Port Collar	ana agamah to taol vitro	CFL-117 or CD110 CAF 38
15t 3645	- 01	Sand
Swa Sta	SDA	Handling 207
200 1220	SOL	Mileage
<u>3- 570</u> 11th 1.	205K	FLOAT EQUIPMENT
7 - 60	LOSK	Guide Shoe
entrana a nobel semana		Centralizer
wards or the second second	in the second	Baskets
		AFU Inserts
		Float Shoe
IN DUE TO' BUY CONSEQUENTS	NO CONACT Y BUSY NOT DE	Latch Down
	······································	
Voe to notor pre to the work		
- Constanting of the second se		Pumptrk Charge
Statement area or non-united and an and a second and as second and a	contectness of any racts, in in the lateration of any racts, in in the lateration of the second	Mileage 26 Tax
and a completion description	ava la compligation deve	the second fully aft of balance a promotion of instance
× All (1) 0 /	ALITY shall be indet the	Discount
Signature	events tellaromitica straite ignide	Total Charge

SPREAM TERMS AND CONDITIONS LWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 QUALITY

Home Office P.O. Box 32 Russell, KS 67665

Phone 785-483-2025

No. 875

Lease TITELENHANS Well No. 1-7 Location OTTS KS-4	Cell 785-324-1041	triernyee		Jabootdawy	·Phalwici	Red, VUS	NICKERT THERE AND HERE	. violantelline speint	SMRET-			
Lease THITLISANEALS Well No. 1-7 Location CL.D. DETLITANG Type Job L. SHUEFACE. Vipe Job L. SHUEFACE. Common JJSO. Buikter J. J. No. District Lessen State Job Job Job Lipe Job L. SHUEFACE. Hulls Calcium J/G. Buikter J. J. No. District Lessen State Job Job Job Lipe Job L. SHUEFACE. Hulls Calcium J/G. Buikter J. J. No. District Lessen Job Job L. SHUEFACE. Hulls Calcium J/G. Buikter J. No. District Lessen Job Job Lessen Job Lessen Job Job Le	ar is the jeo photo in the or the photophotologies. Fo	dellap 1	Twp.	Range	in mark	ADDOD STALL	State	On Location	Finish			
Contractor L. D. DETLETING #14 Overal Output Of New Contractor L. D. DETLETING #14 Overal Output Of New Contractor State Contractor Cont	Date 6-19-12	Π	17	16	RI	USH	KANJAJ	STAN 12LIN SEC	1:00 Hm			
Type Job L. SILEFACE To. LIQY To. Cally Olivel Cententing, Inc. You are hereby requested to rout comming equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Charge PLATLITES EXPLORATION Cag. 8 % - 2312 Depth 11(92) Charge PLATLITES EXPLORATION Tool Depth Siteet I LoOI SAGTBOUSH Tool Depth City USCHTTA State KS, Cement Left in Cag. Shoe Joint 30.52 The above was done to satisfaction and supervision of contractor. Meas Line Displace T14 BLS Cement Amount Ordered 450ccm - 3 cc - 3	Lease THIELENHAU	5 1	Well No.	1-5	Locati	on OTTS	KS-4w-3.	SN-WI	UTO			
Upge.Job L. SHARACL. You are hereby requested to rent community equipment and furnish commer and helps to assisted owner or contractor to work as listed. Csg. 8 76 1- 3312 Depth 1192 ' Tog. Size Depth 1192 ' Tog. Size Depth 1192 ' Tod Depth 2013 Commerce 100 Street 1100 SAGEBEUSH Cement Lett in Csg. Shoe Joint 30 .520 Meas Line Displace 714 BLS Cement Amount Ordered 4500 com 32 cc - 2 Gcc Meas Line Displace 714 BLS Cement Amount Ordered 4500 com 32 cc - 2 Gcc Buiktr T1 D. ^{No.} Deriver 4 Covy Poz. Mix Buiktr T1 D. ^{No.} Deriver 4 Covy Poz. Mix JOB SERVICES & REMARKS Calcium 1/6 Buiktr T1 D. ^{No.} Deriver 4 Covy Poz. Mix JOB SERVICES & REMARKS Calcium 1/6 Remarks: Hulis Rat Hole Salt Mouse Hole Flowseal Centralizers Kol-Seal Baskets Mid CLR 48 DV or Port Colar Creve unere 4	Contractor L.D]	DETL	TNG	廿1	ka maye	Owner 7	HTUTPS EX	PLOPATION	ad Sade Igenias			
Hole Size 12 / 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	Type Job L. SURFACE				(407) add	You are he	Oilwell Cementing, Inc. ereby requested to rent of	cementing equipmen	t and furnish			
Top: Size Depth Street [LOO] SACE BOUNT 4 Tool Depth City LDroutTra State KS Cement Left in Csg. Shoe Joint 30.50 The above as done to salisation and supervised of where agent or contractor. Meas Line Displace T/4 BLS Cement Amount Ordered 4500core 3 22 - 3 02 -						cementer and helper to assist owner or contractor to do work as listed.						
Top: Size Depth Street LiOI SAGE BOLKH Tool Depth City LDroutTra State KS	Csg. 85/8 - 2	Depth	1192	soltied s	To PHILLIPS EXPLORATION							
Cerrent Left in Csg. Shoe Joint 30.50 The above was done to satisfaction and supervision of owner agent or contractor. Meas Line Displace TH 3LS Cerrent Amount Ordered 4500com - 3 cc - 3 cc - 3 cs. Pumptity Common 4500 Bask common 4500 Bask common 4500 Buikt H 10 No Common 4500 Bask common 4500 Buikt H 10 No Driver Cr500 Get. Get. JOB SERVICES & REMARKS Calcium 160 Get. Get. JUB SERVICES & REMARKS Calcium 160 Get. Get. JOB SERVICES & REMARKS Calcium 160 Get. Get. JUB SERVICES & REMARKS Calcium 160 Get. Get. Vor Port Collar CPL-117 or CD110 CAF 38 Discourt Discourt Cerntralizer Sand Get. Get. Get. Guide Shoe Centralizer Get. Get. Get. Guide Shoe Centralizer	Tbg. Size	2 anner 10	Depth				001 SAGEBRI	JSH	Pidet con			
Meas Line Displace T4' BLS Cernent Amount Ordered 4500cmc - 3/cc -	Tool	0.8.00	Depth	benos korla e	olid Inen	City LJ:	ICHITA	State KS	- 281089			
EQUIPMENT Pumpth 15 No. Comments A/ECK Bulkth 10 No. Diver Bulkth 10 No. Diver JOB SERVICES & REMARKS Calcium JOB SERVICES & REMARKS Calcium Bemarks: Hulls Rat Hole Salt Mouse Hole Salt Centralizers Kol-Seal Baskets Mud CLR 48 D/V or Port Collar CFL-117 or CD110 CAF 38 CemENT DED Crecturarte (Sand Handling 4/15 Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Centralizer Baskets Pumpth Charge / Or Support Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down I - 8/% "Rubesce PLug I - 8/% "Rubesce PLug THANK YOU 1/2	Cement Left in Csg.	1 101 69 0100 01	Shoe Jo	oint 30.5	52	The above v	was done to satisfaction ar	nd supervision of owner	agent or contractor.			
Pumptik TS No. Generative Common 450 Buiktik T D No. Driver LEVY Poz. Mix Buiktik T D No. Driver CISCO Buiktik T D No. Driver CISCO JOB SERVICES & REMARKS Calcium 16 Remarks: Rema	Meas Line	See.	Displace	· 74B	15	Cement Ar	mount Ordered 450c	- 3°C - 0	Ger			
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