

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-44534
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name C 17 STATE
8. Well Number 1H
9. OGRID Number 246286
10. Pool name or Wildcat FOREHAND RANCH;BONE SPRING

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator RKI Exploration & Production, LLC

3. Address of Operator 3500 One Williams Center, MD 35, Tulsa, OK 74172

4. Well Location
Unit Letter A : 1194 feet from the NORTH line and 551 feet from the EAST line
Section 17 Township 23S Range 27E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3155

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☒
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	COMMENCE COMPLETION OPS
	OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

PLEASE BE ADVISED RKI EXPLORATION AND PRODUCTION, LLC CONCLUDED DRILLING & CEMENTING 1ST INTERVAL CASING FOR THIS WELL. A SUMMARY OF THE DRILLING OPERATION IS AS FOLLOWS:

2/15/2018 PT 13.375" casing to 1500 psi for 30 min. Test Good.

2/16/2018: 1st Intermediate

9.625" 40# J-55: 0' – 2,025'

CMT: Lead 389 sks @ 12 ppg, Tail: 133 sks @ 14.8 ppg.

Bump plug @ 1180 psi, floats held, circ 30 bbls cement to surface.

2/17/2018 PT Casing to 1500 Psi. for 30 min. Test Good.

The binded Post Job Report is attached.

RECEIVED
ARTESIA DISTRICT

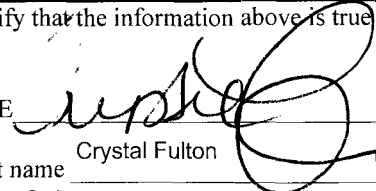
FEB 28 2018

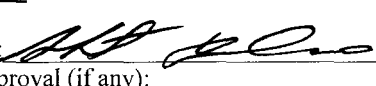
RECEIVED

Spud Date: 1/4/2018

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Permitting Tech II DATE 2/18/2018
Type or print name Crystal Fulton E-mail address: crystal.fulton@wpenergy.com PHONE: 539-573-0218
For State Use Only

APPROVED BY:  TITLE Staff DATE 2-28-18
Conditions of Approval (if any):

FIELD TICKET

Client WPX ENERGY INC
Well C State 17-1H
Job Description Intermediate
Date February 17, 2018



Field Ticket # FT-03810-S1K4K30202-96525

Field Ticket # FT-03810-S1K4K30202-96525
Client WPX ENERGY INC
521 S BOSTON, TULSA, 74121

Credit Approval #
Purchase Approval #
Invoice #

Field Rep
Field Client Rep WPX
District Hobbs, NM
Job Type Intermediate
Job Depth (ft) 2,000.00
Gas Used On Job No

Well C State 17-1H
Well API # 30-015-44534
Well Type
Well Classification
County USA
State/Province NM
Field
Lease

RECEIVED
TULSA DISTRICT

FEB 28 2018

RECEIVED



Customer Name WPX

Well Name C STATE 17-2H

Job Type Intermediate

District Hobbs

Supervisor JW MCLEAN

Engineer

Seq No.	Start Date/Time	Operation	Event	Equipment	Shift Id	Density (lb/gal)	Pump Rate (bbls/hr)	Pump Volume (bbls)	Pipe Pressure (psi)	Notes
1	2/16/2018 15:00	Mobilization	Callout							Requested on Location @ 1500CST
2	13:10	Mobilization	Arrive on Location		48					
	13:30	Operational	Spot Units		49					
	13:45	Operational	Safety Meeting							PRE RIG UP MEETING
4	14:00	Operational	Rig Up		50					
5	14:30	Operational	Prime Up		52					
6	23:05	Operational	Safety Meeting		53					
7	23:45	Operational	Pressure Test		54					2500PSI
8	23:50	Operational	Start Pumping		56	8.34	5	20	250	H2O
9	23:55	Operational	Pump Lead Cement		58	12	5	160	320	WEIGHT WAS OFF ON PUMP BY 1.5PPG ON LEAD I WEIGHED IT AND CO MAN VERIFIED WITH MUD SCALES
	2/17/2018 0:25	Operational	Pump Tail Cement							
	0:32	Operational	Other (See comments)			14.8	5	31	170	SHUT DOWN
11	0:34	Operational	Drop Top Plug		63					
12	0:40	Operational	Pump Displacement		64	8.34	6	150	590	H2O
	1:10	Operational	Land Plug		67	8.34	3	150	1180	H2O
	1:10	Operational	End Pumping							
20	1:14	Operational	Check Floats		68					1 BBL BACK
26	1:20	Operational	Safety Meeting		53					RIG DOWN MEETING
27	1:30	Operational	Rig Down		73					
	2:30	Operational	Other (See comments)							RIG DOWN COMPLETE
28	3:00	Mobilization	Leave Location		74					
29		Operational	Cement Back to Surface		66					CIRCULATED 308BBL/73SACKS
30										
31										
32										
33										
34										
35										
36										
37										
38										
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40										
41										
42										
43										
44										
45										

Cementing Treatment



Start Date	2/16/2018	Well	C State 17-1H
End Date	2/17/2018	County	EDDY
Client	WPX ENERGY INC	State/Province	NM
Client Field Rep		API	30-015-44534
Service Supervisor		Formation	
Field Ticket No.		Rig	H&P 373
District	Hobbs, NM	Type of Job	Intermediate

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	12.25			2,000.00	1,968.00			
Previous Casing	12.62	13.38	54.50	445.00	445.00		J-55	BTC
Open Hole	12.25			1,500.00	1,500.00	119.00		
Casing	8.84	9.63	40.00	2,000.00	1,968.00		J-55	BTC

Shoe Length (ft): 45

HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Bottom Plug Provided By		Tool Depth (ft)	1,982.90
Bottom Plug Size		Max Tubing Pressure - Rated (psi)	
Top Plug Used?	Yes	Max Tubing Pressure - Operated (psi)	
Top Plug Provided By	Non BJ	Max Casing Pressure - Rated (psi)	3,160.00
Top Plug Size	9.625	Max Casing Pressure - Operated (psi)	3,160.00
Centralizers Used	No	Pipe Movement	None
Centralizers Quantity		Job Pumped Through	Manifold
Centralizers Type		Top Connection Thread	8RD
Landing Collar Depth (ft)	1,955	Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Cementing Treatment



Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	Yes	10 sec SGS	
Circulation Time (min)		10 min SGS	
Circulation Rate (bpm)		30 min SGS	
Circulation Volume (bbls)		Flare Prior to/during the Cement Job	No
Lost Circulation Prior to Cement Job	Yes	Gas Present	No
Mud Density In (ppg)		Gas Units	
Mud Density Out (ppg)			
PV Mud In			
PV Mud Out			
YP Mud In			
YP Mud Out			

TEMPERATURE

Ambient Temperature (°F)	Slurry Cement Temperature (°F)
Mix Water Temperature (°F)	Flow Line Temperature (°F)

BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Planned Top of Fluid (Ft)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	Fresh Water	8.3400			0.00				30.0000
Lead Slurry	50:50:10 Lead Class C	12.0000	2.2725	12.70	0.00	1,500.00	389	884.0000	157.4000
Tail Slurry	Tail Slurry Class C	14.8000	1.3257	6.32	1,500.00	500.00	133	176.0000	31.3000
Displacement Final	Brine	10.2000			0.00			0.0000	148.2000

Fluid Type	Fluid Name	Component	Concentration	UOM
Lead Slurry	50:50:10 Lead Class C	EXTENDER, BENTONITE	10.0000	BWOB

Cementing Treatment



Lead Slurry	50:50:10 Lead Class C	SALT,SODIUM CHLORIDE, A-5	5.0000 BWOW
Lead Slurry	50:50:10 Lead Class C	CEMENT, PREMIUM C	50.0000 PCT
Lead Slurry	50:50:10 Lead Class C	CEMENT EXTENDER, SODIUM METASILICATE, A-2	0.2000 BWOB
Lead Slurry	50:50:10 Lead Class C	CEMENT, FLY ASH (POZZOLAN)	50.0000 PCT
Lead Slurry	50:50:10 Lead Class C	IntegraSeal CELLO	0.2500 LBS/SK
Tail Slurry	Tail Slurry Class C	CEMENT, PREMIUM C	100.0000 PCT

TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)	Annulus Pressure (psi)	Comments
2/16/2018 11:50 PM	Fresh Water	5.00	20.00	250.00		
2/16/2018 11:55 PM	50:50:10 Lead Class C	5.00	160.00	320.00		
2/17/2018 12:25 AM	Tail Slurry Class C	5.00	31.30	170.00		
2/17/2018 12:40 AM	Fresh Water	6.00	148.20	590.00		

	Min	Max	Avg
Pressure (psi)			
Rate (bpm)	1.00	8.00	5.00

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	30.00
Calculated Displacement Volume (bbls)	150.00	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	150.00	Amount of Spacer to Surface	20.00
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0.00
Bump Plug	Yes	Amount Bled Back After Job	0.50
Bump Plug Pressure (psi)	1,180.00	Total Volume Pumped (bbls)	360.00

Cementing Treatment



Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Full	Lost Circulation During Cement Job	No

CEMENT PLUG

Bottom of Cement Plug?	No	Wiper Balls Used?	No
Wiper Ball Quantity		Plug Catcher	No
Number of Plugs			

SQUEEZE

Injection Rate (bpm)	Fluid Density (ppg)
Injection Pressure (psi)	ISIP (psi)
Type of Squeeze	FSIP (psi)
Operators Max SQ Pressure (psi)	

COMMENTS

Treatment Report

Job Summary

Call Sheet



Service Line:	Cementing	Yard Call:	2/16/2018 0800 NM
Job Code:	Intermediate	RTS Date:	2/16/2018 1400 NM
# of Zone of Total Zone:	1 of 1	District:	Hobbs, NM
Client Name:	WPX ENERGY INC	Month Year:	2/16/2018

Well Information	
API #:	30-015-44534
Well Name:	C State 17-1H
Formation:	
Rig Name:	H&P 373
Rig Phone:	
Drilling Contractor:	H & P
Country / Parish:	EDDY
State:	NM
Latitude:	32.30886
Longitude:	-104.20512
Township:	
Section:	
Range:	

Client Information	
Client:	20058445
AFE/PO #:	
Client Rep On Loc:	
Phone #:	
Order Placed By:	
Phone #:	
Proposed Job Amount:	\$16,397.11

Job Information	
Job #:	3204
Proposal #:	QUO-06855-S9N6G6
Order Taken By:	
Order Date:	2/14/2018
Salesman:	Steve Matlock
Tech Writer:	Juan Lacorte

Call Sheet



Job Status:	Not Started
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Job Parameters	
Hole Size:	12.25
Cement Depth:	1,500.00
Total Estd.Disp.Vol:	148.20
Water Resource:	
Hole Depth:	1,500.00
Mud Density:	10.20
Mud Type:	Brine Based
Est. BHCT:	88.74

Top Connection		
Size	Type	Threa
9.63	CASING	

Tubular Data			
Type	OD (in)	ID (in)	MD (ft)
Open Hole		12.250	2,000.00
Previous Casing	13.380	12.615	445.00
Open Hole		12.250	1,500.00
Casing	9.630	8.835	2,000.00

Hardware	
Qty	Description
1	PLUG,CEMENT 9.6 TOP BJPL

COMMENTS

JOB INSTRUCTIONS

DIRECTIONS TO WELL

Call Sheet



From Malaga: Hwy 285 & Black River Village Rd (720). Head West on Black River Village RD (720) for 9.5 miles. Turn Right (North) onto Old Cavern Hwy (748) Go 5.6 miles to Lease road on Right Go 0.8 miles East, South into Location

MATERIALS

Material	Description	QTY	Unit
L86720	PLUG,CEMENT 9.6 TOP BJPL	1.0000	EA
L100275	CEMENT EXTENDER, SODIUM METASILICATE, A-2	66.0000	LB
L100295	IntegraSeal CELLO	98.0000	LB
L100317	CEMENT, FLY ASH (POZZOLAN)	195.0000	SK
L410520	CEMENT, PREMIUM C	328.0000	SK
L100404	SALT,SODIUM CHLORIDE, A-5	2,060.0000	LB
L100120	EXTENDER, BENTONITE	3,268.0000	LB

ASSIGNMENT DETAILS

Employee

Day Night	Person	Job Function	Yard Date	Comments
Day	Jerald McLean	SUPERVISOR	2/16/2018	
Day	Armando Barron Jr	CEMENT PUMP	2/16/2018	
Day	Humberto Barbosa	EXTRA	2/16/2018	
Day	Jackson Sodek	BULK TRUCK	2/16/2018	

Equipment

Day Night	Yard Date	Equipment	Equipment No	Comments
Day	2/16/2018	Silo Trailer		CTF-074
Day	2/16/2018	Cementing - High Pressure Pumper/Cementer in a Box - Float		CEMENT PUMP CPF-1113
Day	2/16/2018	Cementing - Bulk Unit - Trailer		CTF-109

BJ SERVICES LLC

Pre-Planned Job Procedure: WPA C STATE 17-1H

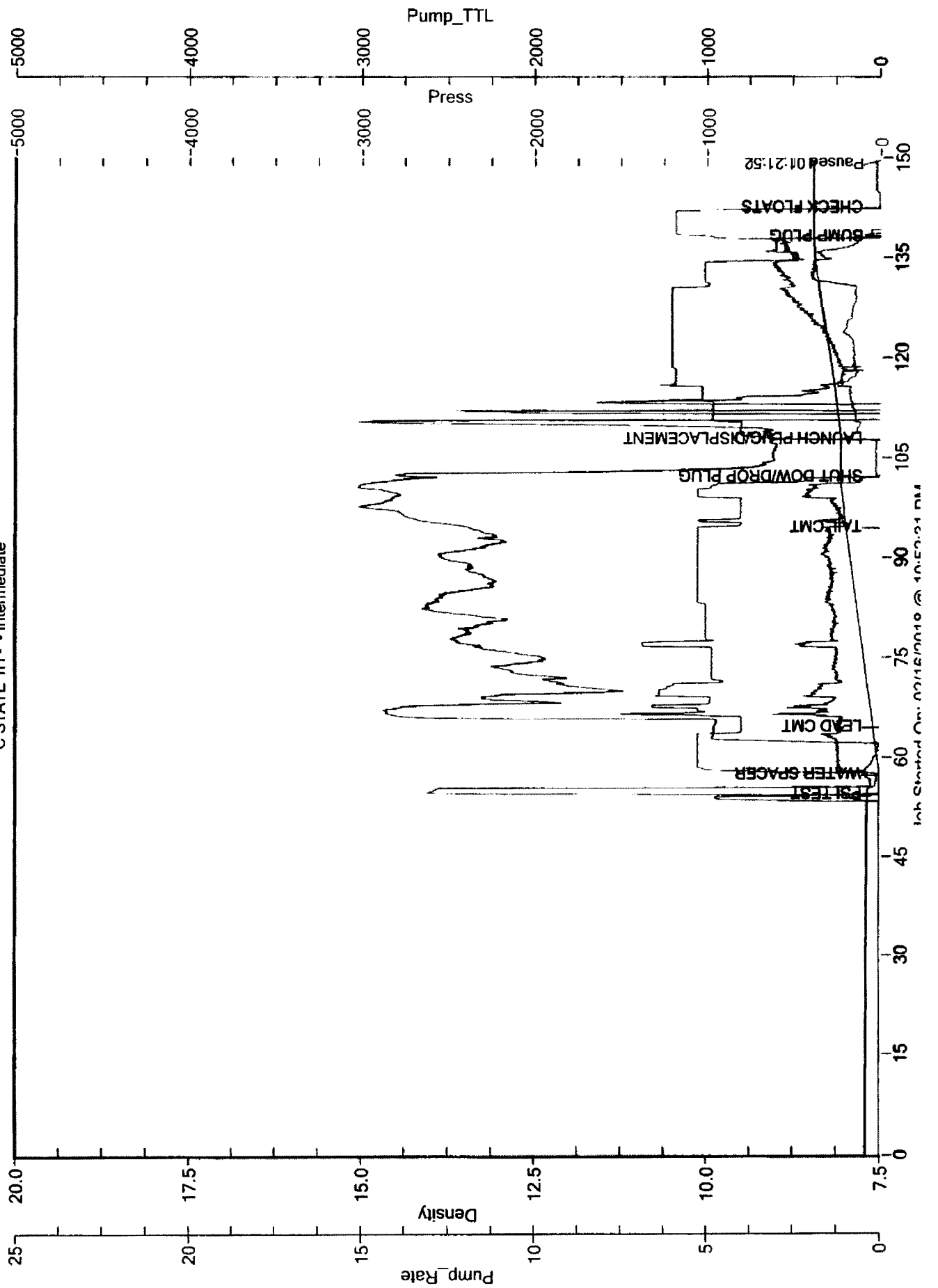
MAX RATE 7BPM

PRESSURE TEST 2500PSI

9 5/8 INTERMEDIATE

Event #	Event	Volume	Sacks	Weight	Yield	Gal/SK
1	TEST					
2	SPACER	20.0		8.34		
3	LEAD CEMENT	160.0	389	12	2.3	13.02
	TAIL CEMENT	31.0	133	14.8	1.33	6.33
6	SHUT DOWN/DROP PLUG					
7	DISPLACEMENT	150.0		8.34		
	BUMP PLUG					
	CHECK FLOATS					
10						
DISPLACEMENT	TOTAL PIPE	SHOE JOINT	FLOAT COLLAR	BBL/FT	H2O REQ.	
150.00	2030	47.10	1982.90	0.0758	350	
USE MUD SCALES EACH TIER		TOTAL DISPLACEMENT	150			
Collapse	2056	BURST	3160			

WPX
C STATE 1H - Intermediate



**HOBBS DISTRICT LAB****Cement Lab Report**

Phone (575) 391-0012 Ext-107 Fax (575) 394-0025

Test Number: 101909914
Report Number:

Test Date: 2/15/2018

WELL INFORMATIONOperator: WPX Energy
API #:
Well Name: C State 17-1H
Slurry Type: Tail
Blend Type: Lab
Comments:County: Eddy
State: NM
Requested By: Juan Lacorte
TVD: 1968 MD: 2000
District: Hobbs**TEST DATA AND SCHEDULE**Time To Temp (min): 16.87
Initial Press (psi): 300
Final Press (psi): 1200
BHST (deg F): 97
BHCT (deg F): 89
Comments:Mud Density (lb/gal): 9
Mix Water Density (lb/gal): 8.34
Mix Water Type: Tap Water
Surf Temp (deg F): 80
Job Type: Intermediate**SLURRY AND TEST RESULTS**Vendor: gcc
Slurry: Class 'C'Density: 14.8 lb/gal
Yield: 1.326 CuFt/sk
Mix Water: 6.327 gal/sk (56.14%)
Total Mix Liquid: 6.327 gal/sk
Fluid Loss: 850 cc/30 minPump Time (50 Bc):
Pump Time (70 Bc): 4:33
Pump Time (100 Bc):

Free Water (ml): 0 (Tested at 90 Degrees)

Compressive Strength

Temp	Time	Strength	Type
97	2:33	50	UCA
97	6:01	500	UCA
97	12:00	1372	UCA
97	24:00	1954	UCA

Rheology (PL=Power Law, BP= Bingham Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	75	55	45	37	27	22	0.164	0.19	28.6	28.0	BP