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

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

Form C-103
Revised July 18, 2013

WELL API NO.
30-015-45643

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name
Collie 35-34-22-27 Fee

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

NM OIL CONSERVATION
ARTESIA DISTRICT
FEB 04 2019
RECEIVED

8. Well Number 401H

2. Name of Operator
RKI Exploration & Production, LLC

9. OGRID Number
246289

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

10. Pool name or Wildcat
Purplesage Wolfcamp

4. Well Location
Unit Letter L : 2338 feet from the S line and 427 feet from the W line
Section 36 Township 22S Range 27E NMPM Eddy County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3079 GL

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

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

Due to anti-collision concerns, we are requesting a change in LTP and BHL for this well. Please find attached a revised C-102, revised Directional Plans and Anti-Collision report, and revised Casing/Cementing information.

Spud Date: Rig Release Date:

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

SIGNATURE Larry E Rader TITLE Regulatory Specialist DATE 02-04-2019

Type or print name Larry E. Rader E-mail address: larry.rader@wpxenergy.com PHONE: 539-573-3543

For State Use Only

APPROVED BY: Raymond K Sadony TITLE Geologist DATE 2-5-19

Conditions of Approval (if any):

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 04 2019

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-45643	98220	PURPLE SAGE WOLFCAMP GAS POOL

[4] Property Code	[5] Property Name	[6] Well Number
324865	COLLIE 35-34-22-27 FEE	401H

[7] OGRID No.	[8] Operator Name	[9] Elevation
246289	RKI EXPLORATION & PRODUCTION, LLC	3,079'

[10] Surface Location

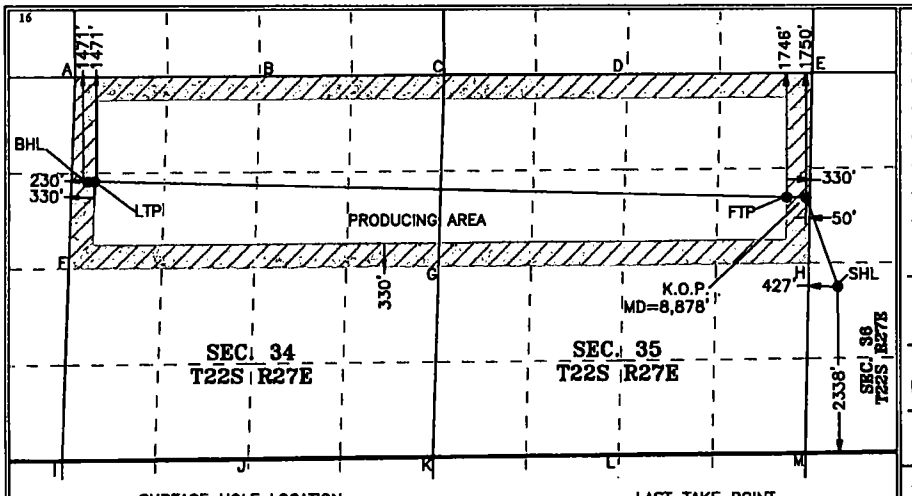
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	36	22 S	27 E		2,338	SOUTH	427	WEST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	34	22 S	27 E		1,471	NORTH	230	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640 AC N/2			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SURFACE HOLE LOCATION
NAD 83 (NME)
Y= 490,402.1
X= 597,781.9
LAT.= 32.348054°N
LONG.= 104.150554°W
NAD 27 (NME)
Y= 490,342.7
X= 556,600.4
LAT.= 32.347935°N
LONG.= 104.150053°W

FIRST TAKE POINT
NAD 83 (NME)
Y= 491,660.7
X= 597,049.4
LAT.= 32.351517°N
LONG.= 104.152919°W
NAD 27 (NME)
Y= 491,601.3
X= 555,868.0
LAT.= 32.351398°N
LONG.= 104.152419°W

K.O.P.
NAD 83 (NME)
Y= 491,657.9
X= 597,329.3
LAT.= 32.351508°N
LONG.= 104.152013°W

1,750' FNL & 50' FWL

K.O.P.
NAD 27 (NME)
Y= 491,598.5
X= 556,147.9
LAT.= 32.351389°N
LONG.= 104.151511°W

LAST TAKE POINT
NAD 83 (NME)
Y= 491,898.4
X= 587,171.7
LAT.= 32.352212°N
LONG.= 104.184905°W
NAD 27 (NME)
Y= 491,839.1
X= 545,990.4
LAT.= 32.352093°N
LONG.= 104.184403°W

BOTTOM HOLE LOCATION
NAD 83 (NME)
Y= 491,898.0
X= 587,071.6
LAT.= 32.352211°N
LONG.= 104.185229°W
NAD 27 (NME)
Y= 491,838.7
X= 545,890.3
LAT.= 32.352093°N
LONG.= 104.184727°W

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 2/4/19

Larry E. Rader
Printed Name

larry.rader@wpxenergy.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

02-01-2019
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number

REV5
RR/TM
2018051183

RVP 2-5-19

P:\PROJECTS\2018\2018051183-WPX-COLLIE_35-34-22-27_FEE_401H-EDDY\DWG\C-102\2018051183-WPX-COLLIE-EDDY_C102_REV5_KOP_REV1_02-01-2018.dwg

	8-3/4" Setting Balanced Cement Plug
	Objective: The objective is to set a 500' balanced plug to plug back the pilot and provide a kickoff8878' point to drill the curve for a lower wolfcamp A
1	P/U muleshoe, 2-7/8" stinger, and 2-7/8" x 5" S-135 4-½" IF XO, float sub and float a. Verify stinger and XO have been drifted before RIH b. Verify muleshoe sub is ported around OD
2	TIH to 10100' to set viscous pill. Circulate bottoms up through chokes at 10100' a. Verify kelly down for space-out when we pick up out of pill
3	Verify BBL IN/OUT while spotting viscous-weighted pill and cement plug in following steps
4	Pump 5 bbls of viscous-weighted pill ~ 80 visc from slugging pit and displace with 168.75 bbls of mud
5	P/U out of the pill 50-ft, this will place the bottom of the stinger at 9128' which should be the top of the pill.
6	Rig up cementers, test lines to 5,000 psi, and pump job as follows: a. Pump 20 bbls fresh water spacer b. Mix and pump 309 sks, 17.5 ppg, 0.9372 ft3/sk Class H cement @ 3-4 bpm i. Monitor pressure closely as cement approaches and passes through drillpipe float c. Displace with 1.28 bbls of FW followed by 144.17 bbls mud from active @ 3-4 bpm i. NOTE: Slow down pumps to 2 bpm at 140.17 bbls displaced and pump last 4 bbls of displacement at 2 bpm ii. NOTE: Total displacement is 144.17 bbls
7	Pull 10 stands at 2 min/stand to place end of stinger at approximately 8198' (430' above TOC)
8	Circulate while full rate rotating and reciprocating pipe verifying drillpipe, stinger, and backside are clear of cement
9	Discuss plan forward with entire team after circulating at least two bottoms up.
10	WOC 24 Hrs before dressing plug

Surface

Lead Cement	0.0	bbls	0.0	cu.ft.
	Yield			
	1.73	cu.ft/sk	0.0	sks
	Water			
	14.77	gal/sk	0.0	bbls

Tail Cement	96.0	bbls	539.0	cu.ft.
	Yield			
	1.33	cu.ft/sk	405.2	sks
	Water			
	6.35	gal/sk	61.3	bbls

Intermediate 1

Lead Cement	324.1	bbls	1819.7	cu.ft.
	Yield			
	2.49	cu.ft/sk	730.8	sks
	Water			
	14.66	gal/sk	255.1	bbls

Tail Cement	35.1	bbls	197.2	cu.ft.
	Yield			
	1.33	cu.ft/sk	148.3	sks
	Water			
	6.33	gal/sk	22.3	bbls

Int 1 Stg 2

Lead Cement	218.5	bbls	1226.6	cu.ft.
	Yield			
	2.49	cu.ft/sk	492.6	sks
	Water			
	14.66	gal/sk	171.9	bbls
	0			

Tail Cement	3.0	bbls	17.0	cu.ft.
	Yield			
	1.33	cu.ft/sk	12.8	sks
	Water			
	6.33	gal/sk	1.9	bbls

Intermediate 2

Lead Cement	255.2	bbls	1432.6	cu.ft.
	Yield			
	2.49	cu.ft/sk	575.4	sks
	Water			
	14.65	gal/sk	200.7	bbls

Tail Cement	45.0	bbls	252.8	cu.ft.
	Yield			
	1.23	cu.ft/sk	205.6	sks
	Water			
	5.43	gal/sk	26.6	bbls

Production

Tail Cement	243.2	bbls	1365.7	cu.ft.
	Yield			
	1.18	cu.ft/sk	1157.4	sks
	Water			
	5.19	gal/sk	143.0	bbls

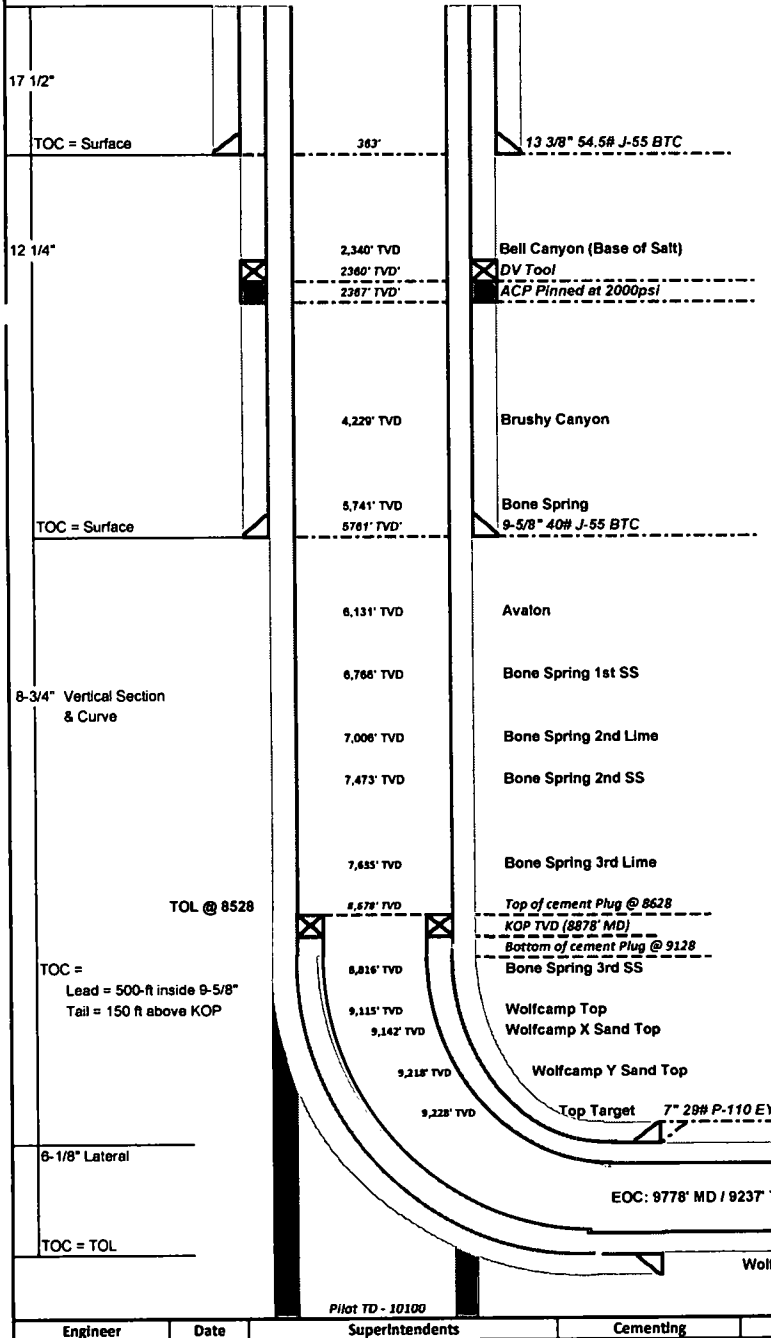
H&P 265

KB: 26

Well:	Collie 35-34-22-27 Fee 451H	Drilling Engineer:	Edward Galotta
Prospect:	Wolfcamp XY w/ D Pilot & logs	Drilling Manager:	Bryan Knopp
County:	Eddy	Completions Manager:	Jay Brenner
Surface:	sec 36: 2338 FSL 427 FWL	Geology:	Kasmira Workman
PBHL:	sec 34: 1746 FNL 230 FWL	AFE:	WT48555
GL:	3,079' KB: 3,105'	API:	0

WPXENERGY.

Well Profile: 4 String



Wellhead Equipment	
Tubing Head	11" 10M x 7-1/6" 15M
Casing Spool	13 5/8" 5M X 11" 10M
Wellhead	13 3/8" 5M x 13 5/8" 5M

Tubular Detail

String	Size	Wt	Grade	Conn	From	To
Surface	13 3/8"	54.5#	J-55	BTC	0'	363'
Intermediate 1	9-5/8"	40#	J-55	BTC	0'	5,761'
Intermediate 2	7"	29#	P-110 EY HC	BTC	0'	9,778'
Production	4-1/2"	13.5#	P-110 HC	CDC-HTQ	8,528'	19,482'

Mud Detail

String	Hole dia	Type	MW	PV	YP	Visc
Surface	17.5	Water	8.9	1	1	27
Intermediate 1	12.25	Sat Brine	10.0-10.2	1.0-6.0	1.0-6.0	28-32
Intermediate 2	8.75	Brine	9.0-9.4	1.0-3.0	1.0-3.0	28-30
Production	6.125	Invert	11.0-11.5	12.0-15.0	10.0-15.0	

Cement

String	Hole dia	PTOC	Lead bbls	Tail bbls
Surface	17.5	0	0	96
Int 1 Stg 1	12.25	3246	324	35
Int 1 Stg 2	12.25	0	218	3
Intermediate 2	8.75	0	255	45
Production	6.125	8528	0	243

Hazards

String	Potential Hazards
Surface	Gumbo, Losses, Air Pockets
Intermediate 1	Potential H2S above salts, Water Flows, Flows in Pilot
Intermediate 2	Potential H2S, Water flows, Losses, Stability
Production	Losses, Stuck Pipe, Instability

Engineer	Date	Superintendents	Cementing	Mud Loggers	Mud Company	Directional
Edward Galotta	1/14/2019	Robert Maldonado (361) 660-3600	Schlumberger - Justin Royeb	Services - Nathaniel V	Stellar - Chad Smith	Scientific - Caesar Gonzalez
		Keith Jordan (318) 757-5500	405-657-8594	(970) 270-2379	432-288-8943	432-853-3920
918 984 8319		Safety	Solids Control	Wellhead	Casing	Regulatory
		0	Kayden	Cactus	B&L Pipeco/ Energy Tubulars	NMOCD
		Jon Throneberry (575) 361-6047	720-955-8140	(405) 445-2222		(575) 748-1283 x 100