

1. API No.	093-21190 A
2. OTC Prod. Unit No.	093-051125
3. Date of Application	April 16, 2014

4. Application For (check one)

- ☒ A. Commingle Completion in the Wellbore (165:10-3-39)
☐ B. Commingle Completion at the Surface (165:10-3-39)
☐ C. Multiple (Dual) Completion (165:10-3-36)
☐ D. Downhole Multiple Choke Assembly (165:10-3-37)

5. Operator Name	CHESAPEAKE OPERATING, INC.	OTC/OCC No.	17441	Email	juanita.cooper@chk.com
Address	P.O. BOX 18496			Phone No.	405-848-8000
City	OKLAHOMA CITY	State	OK	Zip	73154
6. Lease Name/Well No.	Keck 1-23			FAX No.	
Location within Sec. (1/4 1/4 1/4 1/4)	Sec.	Twp.	Rge.	County	
C NE SW	23	20N	13W	Major	

8. The following facts are submitted:	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
A. Name of common source of supply	Oswego	Unconformity Chester Lime	Mississippi Lime
B. Top and bottom of pay section (perforations)	7290 - 7300	7600 - 7988	8484 - 8890
C. Type of production (oil or gas)	Oil	Oil	Oil
D. Method of production (flowing or art. lift)	Pumping		
E. Latest test data by zone (oil, gas, and water)	2 OBD / 14 MCDFD / 4 WBD		
F. Wellhead or bottom hole pressure	100		
G. Spacing order number and size of unit	80 / 334594	80 / 148245	80 / 148245
H. Increased density order number	N/A	N/A	N/A
I. Location exception order number and penalty	N/A	N/A	N/A

If 4A, 4B or 4D above, and size of the units under 8G above are not the same, have the different allocations been addressed? ☐ Yes ☐ No

9. List all operators with mailing addresses within 1/2 mile, producing from the above listed zones.	
Lime Rock Resources 1111 Bagby Street, Suite 4600 Houston, TX 77002	QEP Energy Company 6100 S. Yale Avenue, Suite 900 Tulsa, OK 74136

Oklahoma Corporation Commission
Oil & Gas Division
Approved

10. The operators listed above have been notified and furnished a copy of this application. ☒ Yes ☐ No
If no, an affidavit of mailing must be filed not later than five (5) days after submission of this application.

11. Classification of well (see OAC 165:10-13-2) ☒ Oil ☐ Gas

12. ATTACH THE FOLLOWING:

A. Correlation log section (porosity, resistivity, or gamma ray) with top and bottom of perforated intervals marked.

B. Diagrammatic sketch of the proposed completion of the well.

C. Plat showing the location of all wells within 1/2 mile producing from the zones listed above.

D. If 4B, 4C or 4D above, a Form 1024, Packer Setting Report, and a Form 1025 Packer Leakage Test.

E. If 4A, 4B or 4D above, and size of the units under 8G above are not the same, have the different allocations been addressed? ☐ Yes ☐ No

I hereby certify that I am authorized to submit this application which was prepared by me or under my supervision. The facts and proposals made herein are true correct and complete to the best of my knowledge and belief.

Juanita Cooper Signature SR. REGULATORY ANALYST Title 405-848-8000 Phone (AC/NO)

OCC USE ONLY

Staff Signature	Phone No.	Date	☒ Approved ☐ Rejected
SA		5.2.14	

Current Wellbore Schematic

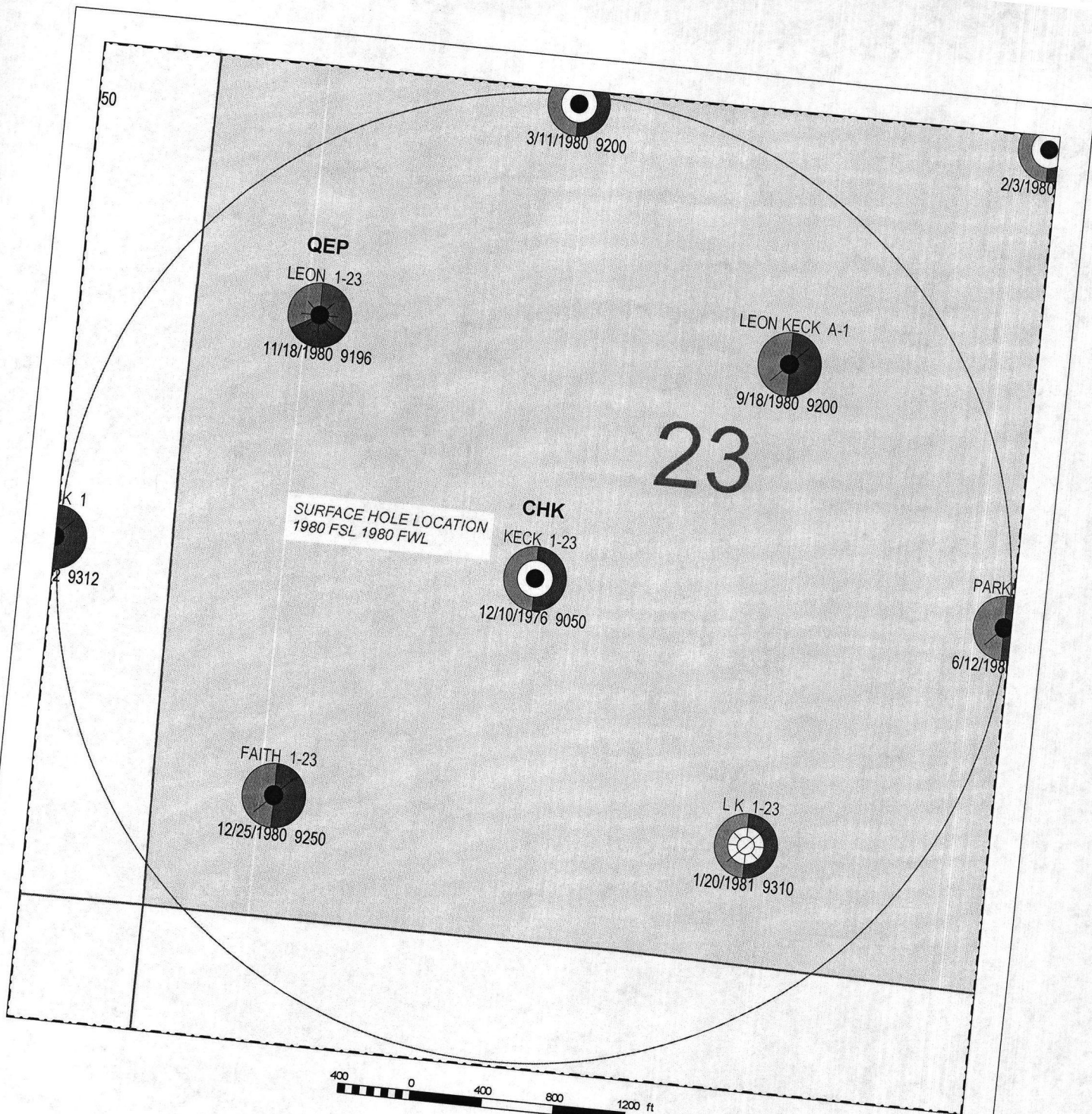
WELL (PN): KECK 1-23 (198159)
 FIELD OFFICE: WAYNOKA
 FIELD: PARVIN
 STATE / COUNTY: OKLAHOMA / MAJOR
 LOCATION: SEC 23-20N-13W, 1980 FSL & 1980 FWL
 ROUTE: WAY-OK-RT 30-CARY NEWTON
 ELEVATION: GL: 1,558.0 KB: 1,571.0 KB Height: 13.0
 DEPTHS: TD: 9,045.0

API #: 3509321190
 Serial #:
 SPUD DATE: 10/6/1976
 RIG RELEASE: 10/6/1976
 1ST SALES GAS: 11/1/1976
 1ST SALES OIL:
 CURRENT STATUS: PRODUCING

VERTICAL - Original Hole, 4/14/2014 1:33:04 PM		Deepest TVD									
MD (ftKB)	Vertical schematic (actual)	Wellbore Name									
		Original Hole	Max TVD (ftKB)								
		Casing String: Surface									
		Set Depth (ftKB)	Wellbore								
		814.0	Original Hole								
		Item Des	OD (in)	ID (in)	Drift (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)		
		Casing Joints	8 5/8	8.097		24.00	J-55	13.0	813.0		
		Shoe	8 5/8					813.0	814.0		
		Casing String: Production									
		Set Depth (ftKB)	Wellbore								
		9,045.0	Original Hole								
		Item Des	OD (in)	ID (in)	Drift (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)		
		Casing Joints	4 1/2	4.000		11.60	K-55	13.0	9,044.0		
		Shoe	4 1/2	4.000				9,044.0	9,045.0		
		Cement									
		Description: Surface Casing Cement						Top of Cement (ftKB): 13.0			
		Description: Production Casing Cement						Top of Cement (ftKB): 7,244.0			
		Tubing String: Tubing - Production						Run Date: 2/7/2013			
		Set Depth (ftKB)	Wellbore						Proposed Run?		
		8,887.0	Original Hole								
		Item Des	OD (in)	ID (in)	Drift (in)	Wt (lb/ft)	Grade	Top Thread	Top (ftKB)	Btm (ftKB)	
		Tubing	2 3/8	1.995	1.901	4.70	N-80		13.0	7,186.9	
		Anchor/catcher	4 1/2						7,186.9	7,190.9	
		Tubing	2 3/8	1.995	1.901	4.70	N-80		7,190.9	8,849.9	
		Seat Nipple: Cup Type	2 3/8						8,849.9	8,851.0	
		Perf Sub	2 3/8						8,851.0	8,855.0	
		Mud Anchor	2 3/8						8,855.0	8,887.0	
		Perforations									
		Date	Zone				Top (ftKB)		Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)
		5/22/2006	OSWEGO, Original Hole				7,290.0		7,300.0	4.0	
		7/13/2006	OSWEGO, Original Hole				7,290.0		7,300.0	2.0	
			CHESTER UNCONF, Original Hole				7,600.0		7,604.0		
			CHESTER UNCONF, Original Hole				7,794.0		7,802.0		
			CHESTER UNCONF, Original Hole				7,827.0		7,829.0		
			CHESTER UNCONF, Original Hole				7,969.0		7,976.0		
			CHESTER UNCONF, Original Hole				7,979.0		7,982.0		
			CHESTER UNCONF, Original Hole				7,984.0		7,988.0		
			MISSISSIPPI LIME, Original Hole				8,484.0		8,491.0		
			MISSISSIPPI LIME, Original Hole				8,493.0		8,493.0		
			MISSISSIPPI LIME, Original Hole				8,518.0		8,520.0		
			MISSISSIPPI LIME, Original Hole				8,692.0		8,694.0		
			MISSISSIPPI LIME, Original Hole				8,698.0		8,702.0		
			MISSISSIPPI LIME, Original Hole				8,712.0		8,718.0		
			MISSISSIPPI LIME, Original Hole				8,889.0		9,001.0		
			MISSISSIPPI LIME, Original Hole				8,894.0		8,894.0		
			MISSISSIPPI LIME, Original Hole				8,905.0		8,909.0		
			MISSISSIPPI LIME, Original Hole				9,008.0		9,010.0		
			MISSISSIPPI LIME, Original Hole				9,025.0		9,027.0		
		Stimulations & Treatments									
		MISSISSIPPI LIME, Stage 1									
		Type	Date	Min Top Depth (ftKB)	Max Btm Depth (ftKB)			Total Clean Volum...			
		Sand Frac		8,484.0	9,027.0						
		Additive		Sand Size	Amount			Conc (lb/gal)			
		CHESTER UNCONF, Stage 1									
		Type	Date	Min Top Depth (ftKB)	Max Btm Depth (ftKB)			Total Clean Volum...			
		Acid Frac		7,600.0	7,988.0						
		OSWEGO, Stage 1									
		Type	Date	Min Top Depth (ftKB)	Max Btm Depth (ftKB)			Total Clean Volum...			
		Acidizing	5/23/2006	7,290.0	7,300.0						

Well History

Date Event
 No events found.



Legend

-  Oswego
-  Chester/Manning
-  Mississippian

CURRENT OPERATOR*
Well Name & Number

Comp. Date Total Depth
*unless plugged & abandoned

 Half-mile radius



**CHESAPEAKE
OPERATING, INC.**

WELL LOCATION & PRODUCTION MAP

SEC 23-20N-13W, MAJOR CO., OK

KECK 1-23

Date: April 15, 2014

1G