

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St. Francis Dr, Santa Fe, NM 87505

RECEIVED

MAY 15 2009

HOBBSOCD

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
June 16, 2008

Submit to appropriate District Office

☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Chesapeake Operating, Inc P O Box 18496 Oklahoma City, OK 73154-0496		² OGRID Number 147179
³ Property Code 33703		⁴ API Number 30 - 025-04862
Property Name Pech State		⁶ Well No. #3
⁹ Proposed Pool 1 Jalmat, Tansill-Yates-Seven Rivers		¹⁰ Proposed Pool 2

⁷ 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	32	21 S	36 E		2310'		990'		Lea

⁸ Proposed 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

Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3616'
¹⁶ Multiple N	¹⁷ Proposed Depth 3929'	¹⁸ Formation Seven Rivers	¹⁹ Contractor TBD	²⁰ Spud Date ASAP

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	32#	335'	175 sxs	0'
7 7/8"	5 1/2"	15.5#	3929'	800 sxs	2112'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Chesapeake Operating, Inc respectfully request to squeeze the lower Seven Rivers and Yates perforations, add additional perforations in the Seven Rivers by performing the following work over. Please find the following: Current wellbore information with recompletion procedure for Seven Rivers, Actual and proposed wellbore schematics. NMOC's C-102 is attached. NMOC's C-144(CLEZ) pit permit is approved and copy is attached.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway
Plugback**

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature.

Printed name Bryan Arrant

Title Senior Regulatory Compliance Specialist

E-mail Address bryan.arrant@chk.com

Date: 5/14/2009

Phone: (405) 935-3782

OIL CONSERVATION DIVISION

Approved by:

Title

Approval Date

Expiration Date

MAY 19 2009

Conditions of Approval Attached ☐



**Pech State #3
Recomplete Seven Rivers
Lea, NM**

Current Wellbore Information

Casing	OD	Weight	Grade	Depth Set	TOC
Surface	8 5/8	32#	J-55	335'	Surface
Production	5 1/2	15.5#	J-55	3,929'	2,212

Perfs	Top Perf	Bottom Perf	Status
Yates	3,280'	3,437'	Open
Seven Rivers	3,812'	3,872'	Open

GL: 3,616' KB: 10' KB Height: 3,626'

***This well has a casing leak from 1,587'-1,987'.**

Procedure

1. Test anchors
2. Receive rack and tally 140 joints 2 3/8" tubing.
3. MIRU PU. NDWH NUBOP.
4. RIH W/ bit and scraper to PBTD @ 3,900'. POOH
5. RIH w/ cmt retainer. Set @ 3,800'. Squeeze off Seven Rivers formation. POOH.
6. Receive rack and tally 3,800' 4 1/2" flush joint liner.
7. RIH w/ 4 1/2" FJ liner. Attempt to circulate cmt to surface. Once circulated pressure up backside to squeeze off Yates perforations and bad casing point.
8. RIH w/ bit to PBTD @ 3,800'. POOH
9. MIRU Wireline. Perforate Seven Rivers:

Formation	Interval	Shot
Seven Rivers	3517	1
Seven Rivers	3519	1
Seven Rivers	3521	1
Seven Rivers	3523	1
Seven Rivers	3537	1
Seven Rivers	3539	1
Seven Rivers	3541	1
Seven Rivers	3543	1
Seven Rivers	3545	1
Seven Rivers	3547	1
Seven Rivers	3549	1
Seven Rivers	3575	1
Seven Rivers	3577	1
Seven Rivers	3579	1
Seven Rivers	3581	1
Seven Rivers	3595	1
Seven Rivers	3597	1
Seven Rivers	3599	1
Seven Rivers	3605	1
Seven Rivers	3613	1
Seven Rivers	3615	1
Seven Rivers	3617	1
Seven Rivers	3619	1
Seven Rivers	3621	1

Seven Rivers	3623	1
Seven Rivers	3625	1
Seven Rivers	3627	1
Seven Rivers	3629	1
Seven Rivers	3631	1
Seven Rivers	3643	1
Seven Rivers	3649	1
Seven Rivers	3655	1
Seven Rivers	3657	1
Seven Rivers	3659	1
Seven Rivers	3661	1
Seven Rivers	3663	1
Seven Rivers	3665	1
Seven Rivers	3671	1
Seven Rivers	3673	1
Seven Rivers	3679	1
Seven Rivers	3681	1
Seven Rivers	3709	1
Seven Rivers	3711	1
Seven Rivers	3713	1
Seven Rivers	3737	1
Seven Rivers	3739	1
Seven Rivers	3741	1
Seven Rivers	3743	1
Seven Rivers	3755	1
Seven Rivers	3757	1
Seven Rivers	3759	1
Seven Rivers	3761	1
Seven Rivers	3763	1
Seven Rivers	3765	1
Seven Rivers	3767	1
Seven Rivers	3769	1

Total Shots 56

10. RIH w/ packer to 3,770'. Spot acid to packer. Pull packer up to 3,400' and set.
11. Acidize Seven Rivers w/ 5,000 gal 15% NEFE @ 5-6 BPM dropping 80 perf balls throughout job. Displace acid to top perf. SI 30 mins. Swab back acid and test.
12. If necessary frac procedure will follow. Anticipate 50 bpm and 60,000# sand.
13. RIH w/ 2 3/8" tubing. Tubing Depth, pump and rod procedure will follow.
14. RDMO

Contacts

Workover Foreman

Lynard Barrera
Office: 575-391-1462
Cell: 575-631-4942

Production Engineer

Doug Rubick
Office: 405-879-3178
Cell: 405-208-3185

Production Foreman

Rip Clary
Office: 575-391-1462
Cell: 575-631-4864



Workover Proposal

PECH STATE 3

Field: SEC 32, 21S-36E, 2310 FSL & 990 FWL
County: LEA
State: NEW MEXICO
Location: SEC 32, 21S-36E, 2310 FSL & 990 FWL
Elevation: GL 3,616.00 KB 3,626.00
KB Height: 10.00 SEC 32, 21S-36E, 2310 FSL & 990 FWL

Spud Date: 12/31/1957
Initial Compl. Date:
API #: 3002504862
CHK Property #: 891039
1st Prod Date: 5/31/2003
PBDT: Original Hole - 3900.0
TD: 3,929.0

