

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. 30-015-29232
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Happy Valley 29
8. Well Number 034
9. OGRID Number 246289
10. Pool name or Wildcat Delaware

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
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 O : 660 feet from the South line and 1680 feet from the East line Section 29 Township 22S Range 26E NMPM County Eddy	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

RKI Exploration & Production, LLC is requesting to Plug & Abandon the Happy Valley 29-34.

Please see attached procedure and WBD.

Approved for plugging of well bore only.  
Liability under bond is retained pending receipt  
of C-103 (Subsequent Report of Well Plugging)  
which may be found at OCD Web Page under  
Forms: [www.cmnrd.state.nm.us/oed](http://www.cmnrd.state.nm.us/oed).

NM OIL CONSERVATION  
ARTESIA DISTRICT

DEC 12 2016

RECEIVED

Spud Date:

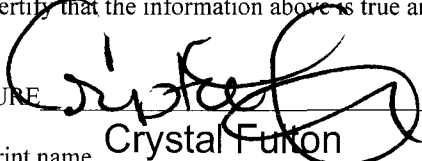
07/17/1997

Rig Release Date:

WELL MUST BE PLUGGED BY 12/13/17

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

SIGNATURE

  
Crystal Fulton

TITLE

Permitting Tech I

DATE

12/06/2016

Type or print name

E-mail address:

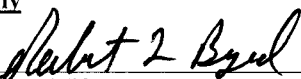
crystal.fulton@wpenergy.com

PHONE:

539-573-0218

For State Use Only

APPROVED BY:

  
Glenn 2 Brul

TITLE

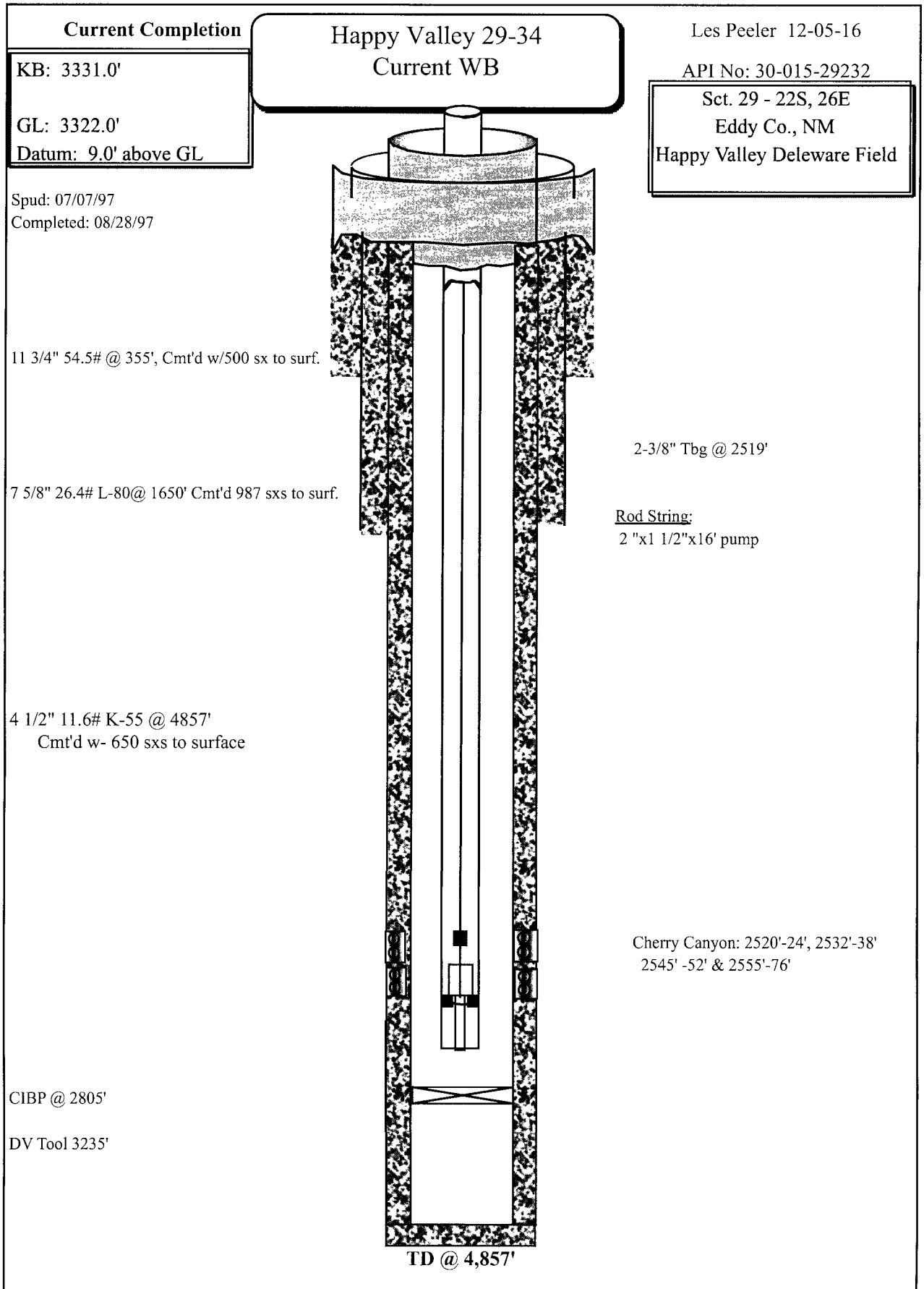
COMPLIANCE OFFICER

DATE

12/13/16

Conditions of Approval (if any):

\* SEE ATTACHED COA-5



**Proposed Plugged WB**

KB: 3331.0'

GL: 3322.0'

Datum: 9.0' above GL

**Happy Valley 29-34  
Proposed WB**

Les Peeler 12-05-16

API No: 30-015-29232

Sct. 29 - 22S, 26E

Eddy Co., NM

Happy Valley Delaware Field

Spud: 07/07/97

Completed: 08/28/97

~~Spot 25 sxs from 400' to surface~~

11 3/4" 54.5# @ 355', Cmt'd w/500 sx to surf.

7 5/8" 26.4# L-80@ 1650' Cmt'd 987 sxs to surf.

~~Spot 25 sxs cmt. 1725' - 1365'~~

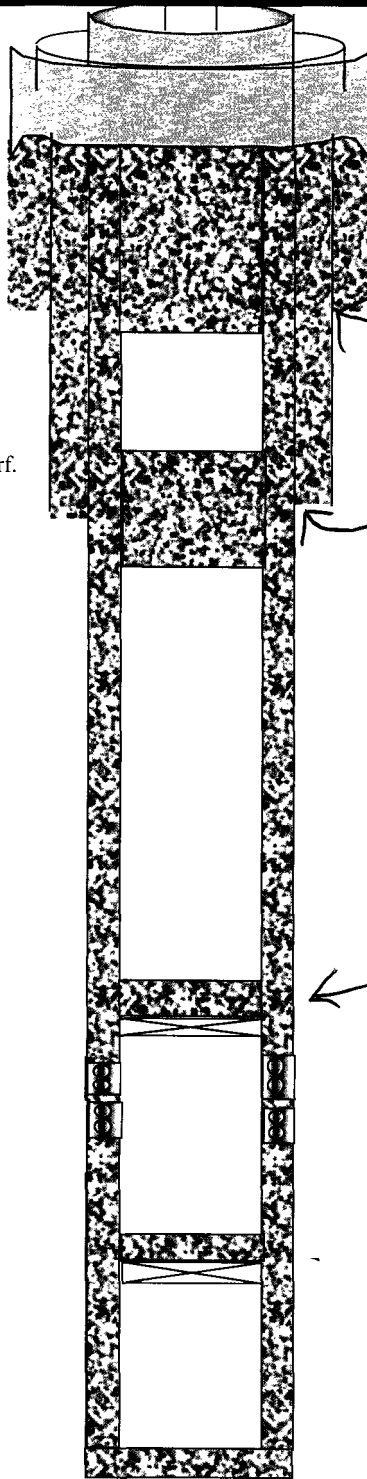
4 1/2" 11.6# K-55 @ 4857'

Cmt'd w- 650 sxs to surface

Set CIBP @ 2420' & spot 25 sxs to 2100+/-

Tag CIBP @ 2805' & Spot 25 sxs cmt. on top  
CIBP @ 2805'

DV Tool 3235'



PERF & SQ @ 355'  
WO & T&R

PERF & SQ @  
1650' WO & T&R

WO & T&R  
4 HRS

Cherry Canyon: 2520'-24', 2532'-38'  
2545' -52' & 2555'-76'

TD @ 4,857'

**PROCEDURE:**

- 1) Test safety anchors and replace as necessary. Set 1 clean frac tank and fill with 480 BFW.
- 2) MIRU Service Unit. Deliver, unload and tally 2,900' - 2-3/8" 4.7# J-55 EUE work string.
- 3) ND WH, NU 3K# BOP.
- 4) POOH rods & tbg. & Lay Dn.
- 5) PU workstring & RIH & tag CIBP @ 2,805'. Spot 25 sxs on top of CIBP.
- 6) MI RU wireline unit. Run 4 1/2" GR/JB to 2450'.
- 7) RIH w- 4 1/2" tbg. conveyed CIBP & set @ 2,420' - PU 1 jt. Pump 38 bbls. heavy mud. Spot 25sx Class C Cement (14.8 ppg, 6.3 gps, 1.32 cfs yield) on top of CIBP to 2100' & flush with heavy mud. TOOH w- tbg.
- 8) WOC & Tag
- 9) RIH w- tbg. to 1725' & spot 25 sxs from 1725' - 1365'. - *PERF & SQUEEZE - WOC & TAG*
- 10) PU & WOC - Tag cmt. - **Max tag 1365'.**
- 11) RIH w- tbg. to 400'. *PERF & SQUEEZE @ 355' - WOC & TAG*
- 12) Spot 35 sxs from 400' to surface.
- 13) RDMO Service Unit. RDMO Cementers.
- 14) MIRU Welder. Cut-off casing head. WO cap with well name and number, operator name, and date.
- 15) Pull safety anchors, dress, and reclaim surface location if necessary.

## CONDITIONS FOR PLUGGING AND ABANDONMENT

### District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
7. Produced water **will not** be used during any part of the plugging operation.
8. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
9. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
10. **Class 'C' cement will be used above 7500 feet.**
11. **Class 'H' cement will be used below 7500 feet.**
12. **A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
13. **All Casing Shoes Will Be Perforated and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing**
14. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
15. **If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing**

16. **When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set**
17. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, **(WOC 4 hrs and tag).**
18. **No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
19. Any Production Formations will be isolated with cement plugs: Some of these are:
  - A) **Strawn, Fusselman, Devonian, Marrow, Atoka, Wolfcamp, Bone springs, Delaware, Abo, Glorieta, Any Salt Section, (Potash), Grayburg, Queen, Yates, Tubb, 7-Rivers**
  - B) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, **WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.**
20. **If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing**

#### **DRY HOLE MARKER REQUIREMENTS**

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

**1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County**

#### **(SPECIAL CASES)**

##### **AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)