

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

**HOBBS OGD CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505  
 SEP 11 2017

WELL API NO. 30-025-01931
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 Northeast Kennitz
8. Well Number #2
9. OGRID Number 228937
10. Pool name or Wildcat

**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  
Matador Production Company

3. Address of Operator  
5400 LBJ Freeway, Suite 1500, Dallas, TX 75240

4. Well Location  
 Unit Letter: G : 1980 feet from the N line and 1980 feet from the E line  
 Section 22 Township 16S Range 34E NMPM \_\_\_\_\_ County Lea

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

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input 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 checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	
Abandon Morrow perfs & Conduct DFIT			

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.

1. ABANDON MORROW PERFS:
  - a. Kill well. Move in Rig Up (MIRU) Wire Line (WL). RIH with Gauge Ring (GR) & Junk Basket (JB) to top of stuck RBP at 13,060'.
  - b. RIH with WL & set a CIBP above the stuck RBP @13,055'. Dump bail 35' CI H cmt on top of CIBP.
  - c. WOC 4 hr. RIH with GR & JB and tag Top of Cement.
2. DFIT (Diagnostic Fracture Injection Test)
  - a. TIH with tbg and packer. Pressure test csg below and above existing Wolfcamp perfs (10,798'-10,816'). TOOH.
  - b. RIH w/ WL & perf **12,080, 11,675, 11,210** (all Wolfcamp). 2' intervals, 6 spf, 60 degree phasing
  - c. TIH with packer at set at +/- 12,030. Conduct DFIT on 12,080 perfs by slowly injecting +/- 5-50 bbls fluid. Monitor pressure response.
  - d. TOOH with tbg and packer. TIH with RBP & packer, Test RBP & Packer, Set RBP at +/- 11,725 and packer at +/- 11,625.
  - e. Conduct DFIT on 11,625 perfs by slowly injecting +/- 5-50 bbls fluid. Monitor pressure response.
  - f. Unset packer and RBP. Move up hole, test RBP & Packer. Set RBP at +/- 11,260 and packer at +/- 11, 160.
  - g. Conduct DFIT on 11,210 perfs by slowly injecting +/- 5-50 bbls fluid. Monitor pressure response.
  - h. Unset packer and RBP. TOOH. Shut in & secure well. RDMO.
3. Shut in well while DFIT results are processed. Results will be combined w/ Aug 2017's logs to evaluate next step to establish production.

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  TITLE Engineer DATE 9/7/17

TYPE OR PRINT NAME: Chris Villarreal E-MAIL: cvillarreal@matadorresources.com PHONE: 972-371-5471

**For State Use Only**  
 APPROVED BY:  TITLE AO/II DATE 9/11/2017  
 Conditions of Approval (if any):

MATADOR PRODUCTION COMPANY

**Northeast Kemnitz # 2**

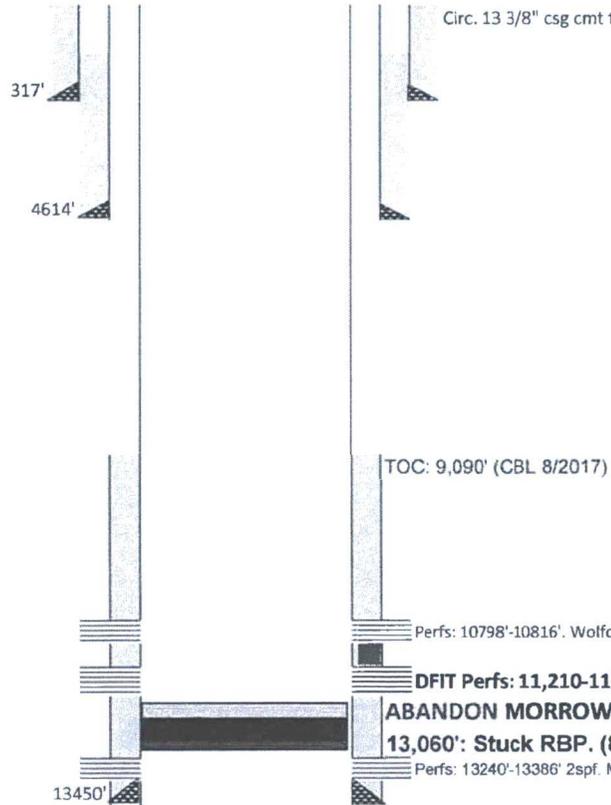
1980' FNL & 1980' FEL Sec 22 - 16S - 34E

Lea County, NM

API: 30-025-01931

**PROPOSED WELLBORE SCHEMATIC**

Spud: 5/8/1960 Reentry: 1961 & 11/20/1976



Circ. 13 3/8" csg cmt to surface.

TOC: 9,090' (CBL 8/2017)

Perfs: 10798'-10816'. Wolfcamp (1996). 2000 gal acid.

DFIT Perfs: 11,210-11', 11,675-76', 12,080-81', 6 spf

**ABANDON MORROW w/ CIBP @ 13,055' w/ 35' CL H cmt.**

**13,060': Stuck RBP. (8/2017) Milled with overshoot and pushed down hole. Unable to mill and push any farther.**

Perfs: 13240'-13386' 2spf. Morrow. (1976). 5000gal 10% acid w/1000 scf/bbl N2.

**Casing Information**

	Hole Size	Casing Size	Type	Weight lb/ft	Joints	Depth Set	Date Set
Surface	17 1/2	13 3/8	H-40	48	unk	317	5/8/1960
Intermediate	12 1/4	8 5/8	J-55, 8R	24	111	4614	5/22/1960
Production	7 7/8	5 1/2	N80/P110, LT&C/Butress	17	310	13,450	11/20/1976
			DV Tool Marker Jt. Float Collar				

**Cementing Record**

Surface	400sx reg 4% gel cmt. Circulated to surface.
Intermediate	1600sx gel cmt & 150sx reg neat cmt. Did Not circulate.
Production	1000sx cmt. TOC @ 9090'

	Tubing	Rods		Geologic Markers	
		Total	UNK	Strawn	11990
Joints		7/8"		Atoka	12298
Diam.		3/4"			
Grade		7/8"			
Weight		1"			
Packer		Pony			
PBTD		<b>Pump</b>			
TA					
SN					
Bull Plug					
ON-OFF Tool					

Well originally drilled to 10850' in 1960. Found to be dry & P&A'd in July 1960. Reentered & deepened to 11585' in 1961, found to be dry and P&A'd. Well reentered again in 1976 and drilled to 13450'.