

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 Kemnitz
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: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> 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: <u>G</u> : <u>1980</u> feet from the <u>N</u> line and <u>1980</u> feet from the <u>E</u> line Section <u>22</u> Township <u>16S</u> Range <u>34E</u> NMPM <u> </u> County <u>Lea</u>
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 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 tbq 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 tbq 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:

5/8/1980

Rig Release Date:

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

SIGNATURE Chris Villarreal 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: Mary Brown TITLE AO/II DATE 9/11/2017

Conditions of Approval (if any):

MATADOR PRODUCTION COMPANY

Northeast Kemnitz # 2

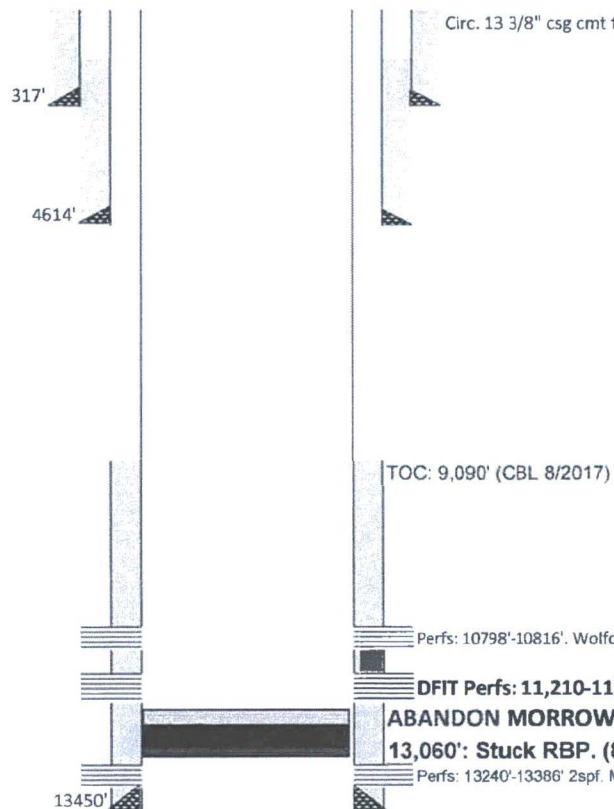
1980' FNL & 1980' FEL Sec 22 - 16S - 34E

Lea County, NM

API: 30-025-01931

PROPOSED WELLBORE SCHEMATIC

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



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	
Joints		Total	UNK	Strawn	11990
Diam.		7/8"		Atoka	12298
Grade		3/4"			
Weight		7/8"			
Packer		1"			
PBTD		Pony			
TA		Pump			
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'.