

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-34356
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name NORTH VACUUM ABO NORTH UNIT
8. Well No. 163
9. Pool name or Wildcat NORTH VACUUM (ABO)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Lease Name or Unit Agreement Name NORTH VACUUM ABO NORTH UNIT	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESVR ☐ OTHER ☐			
2. Name of Operator SAGE ENERGY COMPANY		8. Well No. 163	
3. Address of Operator PO Box 3068, Midland Tx 79702		9. Pool name or Wildcat NORTH VACUUM (ABO)	
4. Well Location Unit Letter M : 660 Feet From The SOUTH Line and 660 Feet From The WEST Line Section 36 Township 16-S Range 34-E NMPM LEA County			
10. Date Spudded 9/8/99	11. Date T.D. Reached 10/20/99	12. Date Compl. (Ready to Prod.) 11/11/99	13. Elevations (DF & RKB, RT, GR, etc.) 4062' KB
14. Elev. Casinghead 4044' GR			
15. Total Depth 10445' & 10757'	16. Plug Back T.D. N/A	17. If Multiple Compl. How Many Zones? 1	18. Intervals Drilled By Rotary Tools YES
19. Producing Interval(s), of this completion - Top, Bottom, Name 8627'-10757' & 8657'-10445', Abo. (TVDs: 8627'-8808', 8657'-866')			20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-CNL			22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	400'	17 1/2"	4005X CIRC.	0'
8 5/8"	24# & 32#	4607'	11"	17005X CIRC.	0'
5 1/2"	15.5# & 17#	8657'	7 1/8"	6705X TOC 6750 4100	0'

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 1/8"	8653'
						PACKER SET

26. Perforation record (interval, size, and number)
**DUAL OPEN HOLE HORIZONTAL
LATERALS.**

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8627-10757	3000 G 15% HCL, 40000 G 20% HCL
8657-10445	3000 G 15% HCL, 40000 G 20% HCL

PRODUCTION

Date First Production 11/5/99		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING - 2 1/2" x 1 1/2" x 28' RHBC				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 11/12/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
				379	15	0	40
Flow Tubing Press.	Casing Pressure 20 #	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 35.7	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD	Test Witnessed By COMPANY MAN
30. List Attachments C-103, C-104, GR-CNL	

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name

GEORGE M. HARRIS JR.

Title

ENGINEER

Date **11/15/99**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7405</u>	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard <u>7525</u>	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo <u>8548</u>	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
No. 2, from.....to.....feet.....
No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology
8548	TD		Also Dolomite

Operator name and Address SAGE ENERGY COMPANY P.O. DRAWER 306E Midland, Tx. 79702		OGRID Number 20054
		Reason for Filing Code NW
API Number 30-025-34356	Pool Name NORTH VACUUM (ABO)	Pool Code 61760
Property Code 9867	Property Name NORTH VACUUM Abo NORTH Unit	Well Number 163

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
M	36	16-S	34-E		660	SOUTH	660	WEST	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
A	2	17S	34E		850 752	NORTH NORTH	1982 476	WEST EAST	LEA
Lee Code S	Producing Method Code P	Gas Connection Date 11/11/99		C-129 Permit Number		C-129 Effective Date		C-129 Expiration Date	