

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources

Form C-105

Revised March 25, 1999

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-015-10414

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

VA-636

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER SWD

b. Type of Completion:

NEW WORK PLUG DIFF.
WELL ☐ OVER ☐ DEEPEN ☐ BACK ☐ RESVR. ☐ OTHER RE-ENTRY

2. Name of Operator

Yates Petroleum Corporation

3. Address of Operator

105 South 4th St., Artesia, NM 88210

7. Lease Name or Unit Agreement

Archimedes SWD

8. Well No.

1

9. Pool name or Wildcat

SWD Devonian

4. Well Location

Unit Letter J : 1650 Feet From The South Line and 1980 Feet From The East Line
Section 18 Township 21S Range 24E NMPM Eddy County

10. Date Spudded

Re-Entry
1/20/03

11. Date T.D. Reached

3/9/03

12. Date Compl. (Ready to Prod.)

4/15/03

13. Elevations (DF& RKB, RT, GR, etc.)

3838' KB

14. Elev. Casinghead

NA

15. Total Depth

11,000'

16. Plug Back T.D

10,923'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Pulling Unit

Cable Tools

NA

19. Producing Interval(s), of this completion - Top, Bottom, Name

10,475'-10,647' SWD Devonian

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

CNL, Azimuthal Laterolog, Micro Log/NGT

22. Was Well Cored

No

23. 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#	356'	17-1/2"	430 sx - In Place	
9-5/8"	36#	3188'	12-1/4"	1450 sx - In Place	
7"	26# & 29#	9751'	8-3/4"	600 sx - In Place	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	6000'	10,998'	350 sx	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

10,475'-10,487' (48)

10,523'-10,578' (22)

10,618'-10,634' (64)

10,637'-10,647' (40)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

7550'-7576' Squeeze w/200 sx "H" Neat

8032'-8069' Squeeze w/400 sx "H" Neat

10,475'-10,647' Acidize w/15,000g 20% IC/HCL acid w/360 BS

28. PRODUCTION

Date First Production

1st Injection Date 4/18/03

Production Method (Flowing, gas lift, pumping - Size and type pump)

Well Status (Prod. or Shut-in)

SWD

Date of Test

Hours Tested

Choke Size

Prod'n For
Test Period

Oil - Bbl

Gas - MCF

Water - Bbl.

Gas - Oil Ratio

Flow Tubing Press.

Casing Pressure

Calculated 24-
Hour Rate

Oil - Bbl.

Gas - MCF

Water - Bbl.

Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments

Deviation Survey & logs

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

Printed

Signature Tina Huerta Name Tina Huerta Title Regulatory Compliance Supervisor Date April 24, 2003

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

T. Anhy _____	T. Canyon _____
T. Salt _____	T. Strawn _____
B. Salt _____	T. Atoka _____
T. Yates _____	T. Miss _____ 9974'
T. 7 Rivers _____	T. Devonian _____ 10,408'
T. Queen _____	T. Siluro-Devonian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____	T. Simpson _____
T. Glorieta _____	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinebry _____	T. Gr. Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____
T. Abo _____	T. Yeso _____
T. Wolfcamp _____	T. Spear _____
B Zone _____	Morrow _____
T. Penn Clastics _____	Woodford Shale _____ 10,340'
T. Cisco _____	Chester _____ 9929'

Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
Base Greenhorn	T. Granite
T. Dakota	T. Spear
T. Morrison	A Interval
T. Todilto	B Interval
T. Entrada	C Interval
T. Wingate	T.
T. Chinle	T.
T. Permian	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

From	To	Thickness In Feet	Lithology

OPERATOR: YATES PETROLEUM CORP.
WELL/LEASE: ARCHIMEDES SWD #1 (RE-ENTRY)
COUNTY: EDDY

049-0014

STATE OF NEW MEXICO
DEVIATION REPORT

9,734	3 3/4
9,995	5 1/4
10,106	6
10,257	5 1/2
10,319	5 1/4
10,446	6
10,667	4 3/4
10,952	4 1/2

By: _____

Joni Hodges

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 17th day of March, 2003, by
Joni Hodges on behalf of Patterson-UTi Drilling Company LP, LLLP.

Denise Beck

Notary Public for Midland County, Texas

