

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Cons. DIV-Dist. 2
1801 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NM 106714

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry Other: WIW
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

2. Name of Operator

7. Unit or CA Agreement Name and No.

St. Mary Land & Exploration

EAST SHUGART DELAWARE UNIT

3. Address

3a. Phone No. (include area code)

580 Westlake Park Blvd Suite 600 Houston, Tx. 77079

(281) 677-2772

8. Lease Name and Well No.

ESDU #19

9. API Well No.

30-015-33842

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

RECEIVED

10. Field and Pool, or Exploratory

EAST SHUGART DELAWARE UNIT

11. Sec., T., R., M., on Block and Survey
or Area SEC 24 T18S R31E

12. County or Parish

13. State

Eddy

NM

17. Elevations (DF, RKB, RT, GL)*

3713'

At surface 1430' FNL & 1425' FEL UL:G

At top prod. interval reported below SAME

At total depth SAME

NOV 28 2005

OUU-ARTECOM

14. Date Spudded

15. Date T.D. Reached

16. Date Completed

6-30-05

7-11-05

☐ D&A ☒ Ready to Prod.

18. Total Depth: MD 5540
TVD 5540

19. Plug Back T.D.: MD 5499
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

Laterolog Array MicroCFL; Litho Density Compensated Neutron

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	8 5/8"	24	0	872'		590 sx		0	
						** below			
7 7/8"	5 1/2"	15.5	0	5540'		750 sx ***		0	
						11.8 Leed &			
						330 sx			
						13.2 PPG C			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"		5020'						

25. Producing Intervals

26. Perforation Record

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware			5050-5060; 5068-5072	0.4	98	OPEN
B)			5134-5148; 5246-5272			
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5050-5272	2500 gals HCl
	** circ 220 sx: to surface
	***circ 134 sx: to pit

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10-16-05			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>					WIW	

ACCEPTED FOR RECORD

NOV 23

ACS

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>					Water Injection	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

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

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Brushy Canyon		5540	Water	T/Salt	1005
				B/Salt	2189
				Queen	3512
				Penrose	3752
				Grayberg	3936
				Delaware	4500

32. Additional remarks (include plugging procedure):

Brushy Canyon Water Injection Well

33. Circle enclosed attachments:

- ☒ 1 Electrical/Mechanical Logs (1 full set req'd.)
 2 Geologic Report
 3 DST Report
 4 Directional Survey
 5 Sundry Notice for plugging and cement verification
 6 Core Analysis
 7 Other: _____

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Marcie St. Germain

Title Production Tech

Signature

Marcie St. Germain

Date 11-16-05

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.