

New Mexico Oil Conservation Division, District I

Form 510-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1625 N. French Drive
Hobbs, NM 88240

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NM-0559539

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

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.

2. Name of Operator
Harvard Petroleum Corporation

8. Lease Name and Well No.

3. Address
PO Box 936, Roswell, NM 88202-0936
3a. Phone No. (include area code)
505-623-1581

James Federal, Well #5

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

9. API Well No.

30-025-36721 **0051**

At surface 1980' FNL & 2307' FWL

10. Field and Pool, or Exploratory

West Triste Draw, Delaware

At top prod. interval reported below same

11. Sec., T., R., M., on Block and Survey or Area

Sec 29-T23S-R32E

At total depth same

12. County or Parish

Lea

13. State

NM

14. Date Spudded
5/30/04
15. Date T.D. Reached
6/12/04
16. Date Completed
☐ D&A ☒ Ready to Prod.
07/02/2004

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

3664' GL 3682' KB reference Elv

18. Total Depth: MD 8664'
TVD 8664'
19. Plug Back T.D.: MD 8616'
TVD 8616'

20. Depth Bridge Plug Set: MD NA
TVD NA

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)

CNL/LDT/GR, AIT, CBL

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"/H40	54.5	surf	560'	NA	507 sx "C"	134	surf Circ	none
11"	8 5/8"/J55	32	surf	4585'	NA	1300 Poz C	425	surf Circ	none
7 7/8"	5 1/2" J&N	17	surf	2664' 8654'	NA	990 Poz C	301	3920' CBL	none

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 7/8"	6872'	6872'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Status
A) Delaware	6895'	8482'	8396-8482	.37	22	open
B)			7670-8087	.37	24	open
C)			7298-7406	.37	32	open
D)			6895-7150	.37	28	open

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

Depth Interval	Amount and Type of Material
8396-8482	1000 gals 10% NeFe, 72,000 gals prod wtr w/ 16000# 14/30 LP
7670-8087	1000 gals 10% NeFe, 87,000 gals prod wtr w/ 18000# 14/30 LP
7298-7406	1000 gals 10% NeFe, 115,500 gals prod wtr w/ 24000# 14/30 LP
6895-7150	1000 gals 10% NeFe, 104,500 gals prod wtr w/ 20000# 14/30 LP

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
7/02/04	7/3/04	24	<input type="checkbox"/>	50	68	543	40		hydraulic pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
na	na	na	<input type="checkbox"/>	50	68	543	1360	producing	

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"/>						

(See instructions and spaces for additional data on next page)

ACCEPTED FOR RECORD
CHIEF: SDD DAVID R. GLASS
AUG 9 2004
DAVID R. GLASS
PETROLEUM ENGINEER

28b. Production - Interval C

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

28c. Production - Interval D

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

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

Sold

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
Delaware	6895	8482	Sand, Oil, Gas and Water	Rustler	1162
				Salado	1302
				Castillo	4527
				Lamar	4768
				Delaware	4794
				Cherry Canyon	5670
				Brushy Canyon	7360

32. Additional remarks (include plugging procedure):

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) Jeff HarvardTitle PresidentSignature Date 8/3/04

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.