

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD - ARTESIA

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 _____

2. Name of Operator

Harvard Petroleum Corporation

3. Address

PO Box 936, Roswell, NM 88202-0936

3a. Phone No. (include area code)

505-623-1581

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

At surface 1980' FNL & 1980' FWL

At top prod. interval reported below same

At total depth same

14. Date Spudded

11/21/06

15. Date T.D. Reached

12/9/06

16. Date Completed

☐ D&A ☒ Ready to Prod.

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

James 20 Federal, Well #2

9. API Well No.

30-025-38050

10. Field and Pool, or Exploratory

West Triste Draw, Delaware

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

Sec 20-T23S-R32E

12. County or Parish

Lea

13. State

NM

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

3671' GL 3685' KB reference Elv

18. Total Depth: MD 8850'
TVD 8850'

19. Plug Back T.D.: MD 8793'
TVD 8793'

20. Depth Bridge Plug Set: MD NA
TVD NA

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

CNL/LDT/GR, AIT, CBL

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

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"/H40	48	surf	508	NA	500 sx "C"	120	surf Circ	none
11"	8 5/8"/J55	32	surf	4526'	NA	1400 Poz C	543	surf Circ	none
7 7/8"	5 1/2" N80	17	surf	8850'	6966'	975 Poz C	303	2792 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"	8318'	8318'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware	8346	8733	8474-8733	.37	33	open
B)			8346-8450	.37	30	open
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
8474-8733	3000 gals 10 % NeFe, 17,000 gals 30# x-link pad & 22,000 gals 35# linear gel w/ 45,000# 16/30 Ottawa & 16,000# RC
8346-8450	2500 gals 10 % NeFe, 37,000 gals prod wtr w/ 6,000# 14/30 LP & 28,000 gals 35# linear gel w/ 51,000# 16/30 Ottawa & 16,000# RC

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
1/11/07	1/12/07	24	<input type="checkbox"/>	147	124	668	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"/>	147	124	668	843	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"/>						

ACCEPTED FOR RECORD

MAR 12 2007

WESLEY W. INGRAM
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"/>						

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.)

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	6930	8770	Sand, Oil, Gas and Water	Rustler	1173
				Salado	1307
				Castillo	4489
				Lamar	4738
				Delaware	4762
				Cherry Canyon	5686
				Brushy Canyon	7368

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 Harvard Title PresidentSignature Date 2/21/07

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.



DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

December 11, 2006

Harvard Petroleum LLC
P.O. Box 936
Roswell, NM 88202

Re: James Fed 20 #2
Section 20, T-23-S, R-32-E
Lea County, New Mexico

Attn: Jeff Harvard

The following is a Deviation Survey on the referenced well in Lea County, New Mexico:

252' - 1°	2197' - 3/4°	4410' - 1°	7020' - 1 1/2°
462' - 1/4°	2640' - 1/2°	4860' - 1/4°	7485' - 1°
739' - 1/2°	3104' - 1°	5332' - 1/2°	7959' - 1°
1208' - 1 1/4°	3392' - 3/4°	5783' - 1 1/2°	8397' - 1°
1440' - 1°	3809' - 1 3/4°	6185' - 3/4°	8840' - 3°
1840' - 1°	3998' - 1°	6638' - 1°	

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)



OFFICIAL SEAL
Barbara L. Carey
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires: Sept. 1, 2009

The foregoing was acknowledged before me this 12th day of December by Gary W. Chappell.

MY COMMISSION EXPIRES

Sept. 1, 2009

Barbara L. Carey
NOTARY PUBLIC