

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 25 2011

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NM-0559539	
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator Harvard Petroleum Company, LLC		7. Unit or CA Agreement Name and No.	
3. Address PO BOX 936, Roswell, NM 88202-0936		8. Lease Name and Well No. James 19 Federal #2	
3a. Phone No. (include area code) 575-623-1581		9. AFI Well No. 30-025-33100 52	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1980 FSL & 2310 FEL At top prod. interval reported below 1980 FSL & 2310 FEL At total depth 1980 FSL & 2310 FEL		10. Field and Pool, or Exploratory Triste Draw Delaware, West KR	
11. Sec., T., R., M., on Block and Survey or Area Sec 19-T23S-R32E		12. County or Parish Lea 13. State NM	
14. Date Spudded 10/28/00		15. Date T.D. Reached 10/29/95	
16. Date Completed 12/8/00 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3626.5 KB	
18. Total Depth: MD 8839 TVD 8839		19. Plug Back T.D.: MD 8592 TVD 8592	
20. Depth Bridge Plug Set: MD 8592 TVD 8592		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) see previously submitted logs	
22. Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input type="checkbox"/> 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 Sks. & Type of Cement		Slurry Vol. (BBL)	
Cement Top*		Amount Pulled	
17 1/2"		13 3/8 K55 48	
Surf		536	
470 sx C		Surf (circ 70 sx)	
11"		8 5/8 J55 24 & 32	
Surf		4520	
1400 sx C		Surf circ 170 sx	
7 7/8"		5.5 J & N 17	
Surf		8839	
985 sx H		3850 CBL	
24. Tubing Record		25. Producing Intervals	
Size		Depth Set (MD)	
Packer Depth (MD)		Size	
Depth Set (MD)		Packer Depth (MD)	
Size		Depth Set (MD)	
Packer Depth (MD)		26. Perforation Record	
Formation		Top	
Bottom		Perforated Interval	
Size		No. Holes	
Perf. Status		A) Delaware 7223 8345 8242-8345 .34 20 open	
B) 7492-7878 .34 29 open		C) 7223-7421 .34 22 open	
D)		27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval		Amount and Type of Material	
8242-8345		2000 gal 7.5% NeFe, 42.9K gal 35# xlink w 51.9K 20/40 & 20K 20/40 RC	
7492-7878		2000 gal 7.5% NeFe, 47,232 gal 35# linear w 70.1K 20/40 and 24.1K 20/40 RC	
7223-7421		1500 gal 10% NeFe, 42,000 gal 35# xlink w 62.5K 20/40 and 22K 20/40 RC	
28. Production - Interval A		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	
12/9/00		12/13/00	
24		24 Hr. Rate	
61		63	
512		38	
Hydraulic Jet Pump		Well Status	
Producing		Choke Size	
Tbg. Press. Flwg. SI		Csg. Press. SI	
NA		NA	
61		63	
512		1033	
28a. Production - Interval B		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	
28b. Production - Interval C		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	
28c. Production - Interval D		28d. Production - Interval E	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28d. Production - Interval E		28e. Production - Interval F	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28e. Production - Interval F		28f. Production - Interval G	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28f. Production - Interval G		28g. Production - Interval H	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28g. Production - Interval H		28h. Production - Interval I	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28h. Production - Interval I		28i. Production - Interval J	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28i. Production - Interval J		28j. Production - Interval K	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28j. Production - Interval K		28k. Production - Interval L	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28k. Production - Interval L		28l. Production - Interval M	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28l. Production - Interval M		28m. Production - Interval N	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28m. Production - Interval N		28n. Production - Interval O	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28n. Production - Interval O		28o. Production - Interval P	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28o. Production - Interval P		28p. Production - Interval Q	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28p. Production - Interval Q		28q. Production - Interval R	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28q. Production - Interval R		28r. Production - Interval S	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28r. Production - Interval S		28s. Production - Interval T	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28s. Production - Interval T		28t. Production - Interval U	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28t. Production - Interval U		28u. Production - Interval V	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28u. Production - Interval V		28v. Production - Interval W	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28v. Production - Interval W		28w. Production - Interval X	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28w. Production - Interval X		28x. Production - Interval Y	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28x. Production - Interval Y		28y. Production - Interval Z	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28y. Production - Interval Z		28z. Production - Interval AA	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28z. Production - Interval AA		28aa. Production - Interval AB	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28aa. Production - Interval AB		28ab. Production - Interval AC	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ab. Production - Interval AC		28ac. Production - Interval AD	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ac. Production - Interval AD		28ad. Production - Interval AE	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ad. Production - Interval AE		28ae. Production - Interval AF	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ae. Production - Interval AF		28af. Production - Interval AG	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28af. Production - Interval AG		28ag. Production - Interval AH	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ag. Production - Interval AH		28ah. Production - Interval AI	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ah. Production - Interval AI		28ai. Production - Interval AJ	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ai. Production - Interval AJ		28aj. Production - Interval AK	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28aj. Production - Interval AK		28ak. Production - Interval AL	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ak. Production - Interval AL		28al. Production - Interval AM	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28al. Production - Interval AM		28am. Production - Interval AN	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28am. Production - Interval AN		28an. Production - Interval AO	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28an. Production - Interval AO		28ao. Production - Interval AP	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ao. Production - Interval AP		28ap. Production - Interval AQ	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ap. Production - Interval AQ		28aq. Production - Interval AR	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28aq. Production - Interval AR		28ar. Production - Interval AS	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ar. Production - Interval AS		28as. Production - Interval AT	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28as. Production - Interval AT		28at. Production - Interval AU	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28at. Production - Interval AU		28au. Production - Interval AV	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28au. Production - Interval AV		28av. Production - Interval AW	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28av. Production - Interval AW		28aw. Production - Interval AX	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28aw. Production - Interval AX		28ax. Production - Interval AY	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ax. Production - Interval AY		28ay. Production - Interval AZ	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ay. Production - Interval AZ		28az. Production - Interval BA	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28az. Production - Interval BA		28ba. Production - Interval BB	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28ba. Production - Interval BB		28bb. Production - Interval BC	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28bb. Production - Interval BC		28bc. Production - Interval BD	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28bc. Production - Interval BD		28bd. Production - Interval BE	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28bd. Production - Interval BE		28be. Production - Interval BF	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28be. Production - Interval BF		28bf. Production - Interval BG	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28bf. Production - Interval BG		28bg. Production - Interval BH	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF	
Water BBL		Oil Gravity Corr. API	
Gas Gravity		Production Method	
28bg. Production - Interval BH		28bh. Production - Interval BI	
Date First Produced		Test Date	
Hours Tested		Test Production	
Oil BBL		Gas MCF</	

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
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	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

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ 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 HarvordTitle ManagerSignature Date 4/11/11

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.