HARVARD PETROLEUM CORPORATION
400 North Pennslyvania, Suite 450 • P.O. Box 936 • Roswell, NM 88201 • (505) 623-1581 • Fax (505) 622-8006

July 21, 1994

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Attention: Mr. David Catanach

Re: West Triste Draw Prospect
James Federal #1
Proposed Deepening of the
Salt Water Disposal Well
T23S-R32E N.M.P.M
Section 29: SW SE
Lea County, New Mexico

Dear Mr. Catanach:

Enclosed is an original and one (1) copy of the C-108 Application for Authorization to Inject. A copy has also been mailed to your Hobbs office. Harvard Petroleum Corporation desires to deepen the salt water disposal well.

Very truly yours,

HARVARD PETROLEUM CORPORATION

Jim Ball
Land Manager

JB:cb
Enclosure

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no

II. Operator: Harvard Petroleum Corporation

Address: P. O. Box 936 Roswell, New Mexico 88202-0936

Contact party: Jeff Harvard or Jim Ball Phone: (505) 623-1581

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Jeff Harvard Title Vice President

Signature: Jeff Harvard Date: 7/21/94

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

C-108
Application For Authorization To Inject
Harvard Petroleum Corporation
James Federal #1
O 29-23S-32E
Lea County, New Mexico

I. This well was originally drilled to test the Delaware formation which was determined to be unproductive. The decision was then made to convert the well to a disposal well for Delaware produced water.

II. Operator: Harvard Petroleum Corporation
P. O. Box 936
Roswell, New Mexico 88202-0936
Jeff Harvard or Jim Ball (505)623-1581

III. Well Data: See Attachment A.

IV. This is not an expansion of an existing project.

V. See attached map, Attachment B.

VI. There are two wells within the one-half mile radius which penetrate the Delaware formation:
1. James Federal #2, See Attachment C.
2. State "IG" #1, See Attachment D.

VII. 1. Proposed initial average daily injection volume approximately 800 BWPD.
Maximum daily injection volume approximately 5000 BWPD.

2. This will be a closed system.

3. Proposed average injection pressure - 500 psi.
Proposed maximum injection pressure - 1250 psi.

4. Sources of injected water would be produced water from the Delaware formation. See Attachment E.

5. See Attachment F.

VIII. 1. The proposed injection interval is the upper Delaware formation or Bell Canyon (Delaware) consisting of limey shales and porous fine grained sands from estimated depths of 4844' to 6160'.

2. A telephone conversation with Mr. Richard Cibak - Pecos River Drainage Supervisor with the New Mexico State Engineer Roswell Office stated that there are no water wells or known aquifers within at least two

miles of our proposed injection well.

IX. There is no stimulation planned.

X. A Compensated Neutron and Cement Bond logs on the proposed injection well have been submitted with the previous C-108.

XI. There are no fresh water wells within two miles.

XII. Harvard Petroleum Corporation has examined geologic and engineering data and has found that there is no evidence of faulting in the proposed interval.

XIII. 1. Certified letters sent to the surface owner and offset operators and copy of legal advertisement. See Attachment G.

XIV. Certification is signed.

III. Well Data

A. 1. Lease Name and Location:
James Federal #1
0 29-23S-32E
Lea County, New Mexico
810' FSL & 1830' FEL
Elevation: GL - 3679.7' KB - 3990.4'

2. Casing Strings
a. Present Well Condition
8 5/8" 24# K-55 @ 654' w/400 sks (circ) in 12 1/4" hole
5 1/2" 17# K-55 @ 4844' w/100 sks, TOC 4215' by CBL in 7 7/8" hole

TD: 5015'

3. Propose to use 2 3/8" 4.7# J-55 plastic coated tubing set at 4800'.

4. Propose to use an Arrow nickel-coated packer set at 4800'.

B. 1. Injection formation - Bell Canyon (Delaware)

2. Injection interval - 4844' to 6160' open-hole

3. Well was originally drilled as an exploratory oil well but, after testing, the decision was made to convert to a salt water disposal well.

4. Open hole 4844' to 6160'.

5. Overlying oil or gas zones within 2 miles - NONE. Underlying oil and gas zones within 2 miles - Brushy Canyon (Delaware) located at approximately 7000'.

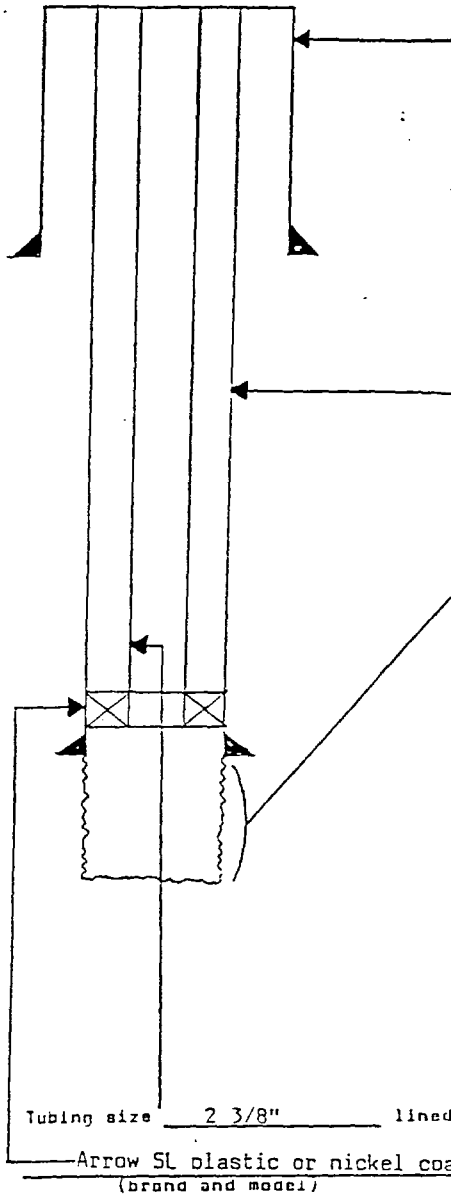
ATTACHMENT VII-2

INJECTION WELL DATA SHEET

Harvard Petroleum Corporation (OPERATOR) James Federal (LEASE)

1 (WELL NO.) 810' FSL & 1830' FEL (FOOTAGE LOCATION) Sec 29 (SECTION) T23S (TOWNSHIP) R32E (RANGE)

Schematic



Tabular Data

Surface Casing

Size 8 5/8" Cemented with 400 sx.

TOC surface feet determined by circ.

Hole size 12 1/4"

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 5 1/2" Cemented with 100 sx.

TOC 4215' feet determined by CBL

Hole size 7 7/8"

Total depth 5015'

Injection interval

4844' feet to 6160' feet

(~~perforated~~ open-hole, indicate which)

Tubing size 2 3/8" lined with plastic (material) set in a

Arrow SL plastic or nickel coated (brand and model) packer at 4800' feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Delaware

2. Name of Field or Pool (if applicable) undesignated

3. Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? exploratory oil well

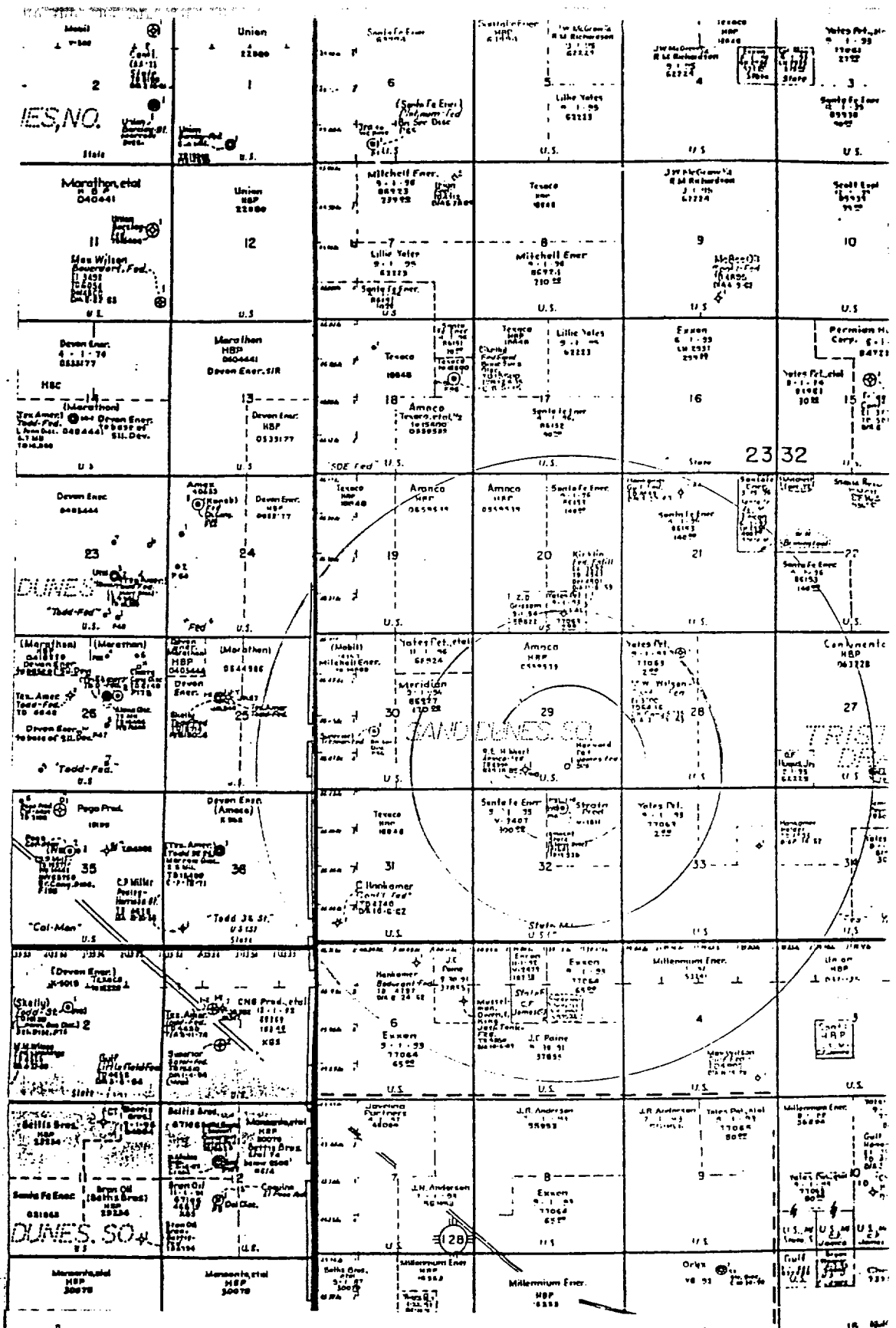
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

overlying oil &/or gas zones - NONE

underlying oil &/or gas zones - Bone Spring (9800')



Attachment B

HARVARD PETROLEUM CORPORATION

TELEPHONE 505 623-1581 • P.O. BOX 936 • ROSWELL, NEW MEXICO 88202

JAMES FEDERAL #1
T23S-R32E N.M.P.M.
SECTION 29: 810' FSL & 1830' FEL
LEA COUNTY, NEW MEXICO

PROPOSED DISPOSAL WELL
1/2 MI. RADIUS
1 MI. RADIUS
2 MI. RADIUS

Well:	James Federal #2
Location:	660' FSL & 1830' FWL N 29-23S-32E Lea County, New Mexico
Field Pool:	West Triste - Delaware
Spud Date:	November 17, 1985
Re-entry Date:	May 11, 1992
Completion Date:	June 8, 1992
Type Completion:	Single
Type Well:	Pumping Oil Well
TD:	4912'
PBTD:	4848'
Prod. Interval:	Delaware: 4753' to 4848' Open Hole
Casing Design:	8 5/8" 24# J-55 to 1208' w/ 500 sks (circ) 7" 26# & 23# N-80 flush joint to 4753' w/ 75 sks, TOC - 4000' by CBL
Elevation:	GL - 3650' KB - 3659'

(See attached government reports)

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
NM-0559539

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
R E HIBBERT

8. FARM OR LEASE NAME
AMOCO "29" FEDERAL

3. ADDRESS OF OPERATOR
1401 HOUSTON CLUB BUILDING, HOUSTON, TEXAS 77002

9. WELL NO.
#1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1830' FWL & 660' FSL OF
SE/4, SW/4, UNIT LETTER N

10. FIELD AND POOL, OR WILDCAT
Wildcat-Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 29, T23S, R32E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3650.0' GR

12. COUNTY OR PARISH
Lea

13. STATE
NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Spud & TD			
(Other)				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11/17/85 - Spud well at 7:00 AM
11/20/85 - Drilled to 1205' w/12-1/4" Bit
Ran 1208' of 8-5/8"-24#-J55 Casing, cement 8-5/8" casing w/ 500 sks Class C 2% CC. Plug down at 3:25 AM, Circulate 20 sks to surface
11/21/85 - Nipple up BOP - pressure test BOP and 8-5/8" casing to 1000 PSI, 30 mins, OK
Drill out with 7-7/8" Bit
11/26/85 - Drill to 4796'. Core from 4796' to 4856' - 60' recovery
11/27/85 - Drill to 4906' TD

18. I hereby certify that the foregoing is true and correct

SIGNED T L Pilley TITLE Clerk DATE 12/9/85

(This space for Federal or State office use)

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

DEC 11 1985

*See Instructions on Reverse Side

POSTED: BRYAN

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: NM-0559539

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: R E HIBBERT

8. FARM OR LEASE NAME: AMOCO "29" FEDERAL

3. ADDRESS OF OPERATOR: 1401 Houston Club Building, Houston, Texas 77002

9. WELL NO.: #1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1830' FWL & 660' FSL OF SE/4, SW/4, UNIT LETTER N

10. FIELD AND POOL, OR WILDCAT: Wildcat-Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 29, T23S, R32E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3650.0' GR

12. COUNTY OR PARISH: LEA

13. STATE: NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) PLUG & ABANDON			
(Other)				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11/27/85 - Ran Electric logs, Sonic Gamma Ray - 100' plug 4700-4800' JG - tagged JG.
Plug well - ~~100'~~ plug at 2813-2913', 100' plug at 1154-1254', ~~plug at 45-95'~~, plug ~~25'~~ 50', ~~at~~ surface JG
Plugged & Abandoned on 11/27/85

TD 4906'

18. I hereby certify that the foregoing is true and correct

SIGNED T L Pilley TL Pilley TITLE Clerk DATE 12/09/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 1-25-86

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

POSTED: BRYAN

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: NM-0559539

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [XX] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: R E HIBBERT

8. FARM OR LEASE NAME: AMOCO "29" FEDERAL

3. ADDRESS OF OPERATOR: 1401 Houston Club Building, Houston, Tx 77002

9. WELL NO.: #1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1830' FWL & 660' FSL OF
SE/4, SW/4, UNIT LETTER N

10. FIELD AND POOL, OR WILDCAT: Wildcat-Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 29, T23S, R32E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3650.0' GR

12. COUNTY OR PARISH: Lea

13. STATE: NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[X]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other)							

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11/27/85 - We propose to set plugs from ~~2813-2913'~~ 4700-4800' DD
1154-1254' Tag
~~45-95'~~

and ~~25' at~~ 50' to surface. TD 4906'.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TL Pirley TITLE Clerk DATE 12/09/85

(This space for Federal or State office use)
Orig. [illegible]

APPROVED BY ____ TITLE ____ DATE 1-14-86
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

Form 3160-4 (November 1983) (formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0137 Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM-0559539

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Amoco '29' Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat - Delaware

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 29, T23S, R32E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: R. E. HIBBERT

3. ADDRESS OF OPERATOR: 1401 Houston Club Building, Houston, Texas 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 1830' FWL & 660' FSL Se/4 SW/4, Unit letter N
At top prod. interval reported below
At total depth

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
	11/6/85	Lea	N.M.

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
11/16/85	11/24/85		3650' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4906'			→	All	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: None

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Sonic

27. WAS WELL CORED: Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1204'	12¼"	500 sx cl. c 2%	- 0 -

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

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.)

ACCEPTED FOR RECORD
FEB 13 1986
CARLSBAD, NEW MEXICO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED _____ TITLE _____ DATE 2-5-86

*(See Instructions and Spaces for Additional Data on Reverse Side)

POSTED: BRYAN

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

Well:	State "IG" #1
Location:	660' FNL & 1980' FEL B 32-23S-32E Lea County, New Mexico
Field Pool:	West Triste - Delaware
Spud Date:	January 11, 1981
Re-entry Date:	November 19, 1986
Plug back Date:	March 9, 1992
Completion Date:	April 7, 1992
Type Completion:	Single
Type Well:	Pumping Oil Well
TD:	15,920'
PBTD:	8639'
Prod. Interval:	Delaware: 7992'-7997' 26 holes 8393'-8410' 16 holes 8455'-8470' 46 holes
Casing Design:	16" 65# to 705' w/750 sks (circ) 10 3/4" 51# to 4740' w/ 3160 sks (cric) 7 5/8" 39# & 33.7# to 12,060' w/ 1550 sks, est. TOC - 3760' 4 1/2" Liner 15.1# to 15,920' w/ 550 sks, est TOC - 11,604'
Elevation:	GL - 3664'

(See attached government reports)

Submit to Appropriate
District Office
State Lease – 6 copies
Fee Lease – 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.
API-30-025-27136

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No.
V-1811

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER

b. Type of Completion: NEW WELL [ ] WORK OVER [ ] DEEPEN [ ] PLUG BACK [X] DIFF RESVR [ ] OTHER

7. Lease Name or Unit Agreement Name
State "IG" ~~Com~~

2. Name of Operator
Harvard Petroleum Corporation

8. Well No.
1

3. Address of Operator
P. O. Box 936 Roswell, NM 88202-0936

9. Pool name or Wildcat
Wildcat-Delaware

4. Well Location
Unit Letter B : 660 Feet From The North Line and 1980 Feet From The East Line

Section 32 Township 23-S Range 32-E NMPM Lea County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Casinghead
Plugged Back 3/9/92	3/12/92	4/7/92	3664 GR	3666

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
15,920	8639'			X	

19. Producing Interval(s), of this completion - Top, Bottom, Name
7992-97, 8393-8410, 8455-70 Brushy Canyon Delaware

20. Was Directional Survey Made
No

21. Type Electric and Other Logs Run
None

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
16"	65	705'	20"	750 SKS	-0-
10 3/4"	51	4740'	14 3/4"	3160 SKS	-0-
7 5/8"	39 & 33.7	12060	9 1/2"	1975 SKS	-0-

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2"	11,604	15,920	550	---

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	8044'	---

26. Perforation record (interval, size, and number)
7992-7997 (.375") 26 Holes
8393-8410 (.375") 16 Holes
8455-8470 (.375") 46 Holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7992-97	1000Gal. 7 1/2% HCL. 7,500 Gal X-Link & 15,000 #20/40 SND
8393-8470	1000 Gal 7 1/2% HCL. 17,500 GalX-Link & 42,000 #20/40 SND

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
4/17/92	Pumping 2 1/2" X 1 1/4" X 26" Insert Pump	Prod.

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
4/17/92	24	-----		40	20	171	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
------	20#		40	20	171	40°

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

Test Witnessed By
Tony Karr

30. List Attachments
C-102 Plat, Logs, ~~DSTS~~ & TOPS Previously reported by Amoco

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

Printed

4/21/92

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

DISTRIBUTION	
SANTA FE	
FILE	
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LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: L-5166

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [ ] OTHER- PXA

7. Unit Agreement Name: -

2. Name of Operator: AMOCO PRODUCTION COMPANY

8. Farm or Lease Name: State IG Com

3. Address of Operator: P. O. Box 68, Hobbs, NM 88240

9. Well No.: 1

4. Location of Well: UNIT LETTER B, 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE, SECTION 32, TOWNSHIP 23-S, RANGE 32-E, NMPM.

10. Field and Pool, or Wildcat: Wildcat Atoka

15. Elevation (Show whether DF, RT, GR, etc.): 3664' GL

12. County: Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Moved in service unit 1-9-84. Loaded tubing with 45 bbl brine water and loaded casing with 120 bbl. Released packer and POH. Ran CIBP and set at 14,370'. Loaded hole and circulated. Spotted 25 sx class H cement from 14,370'-14,045'. Spotted 9 bbls gelled brine water from 14,045'-13,393'. Spotted 25 sx class H cement plug from 13,393'-13,068'. Spotted gelled brine water from 13,068'-11,950'. Spotted a class H cement plug from11,950'-11,850'. Spotted 127 bbl gelled brine water from 11,850'-8663'. Spotted a 25 sx class H cement plug from 8663' 8557'. Spotted 89 bbls gelled brine water from 8557'-6216'. Spotted 25 sx class H neat from 6216'-6110'. Spotted 42 bbl gelled brine water from 6110'-4871'. Spotted 25 sx class C neat cement from 4871'-4765'. Spotted 138 bbl gelled brine water from 4765'-1280'. Spotted 25 sx class C neat from 1280'-1180'. Spotted 11 bbls gelled brine water from 1180'-805'. Ran 4" casing gun and perfed 804'-805' with 4 JSPF. Ran cement retainer and set at 608'. Pumped 200 sx class C neat cement. Circulated out 30 sx from behind 7-5/8" casing. Spotted 25 bbl gelled brine water. Spotted a 10 sx class C neat surface plug. Installed PXA marker and moved out service unit 1-14-84.

O+5-NMOCD,H 1-R. E. Ogden, HOU Rm. 21.150 1-F. J. Nash, HOU Rm. 4.206 1-CMH

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Charles M. Herring TITLE Administrative Analyst DATE 2-1-84

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Form C-105
Revised

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee
5. State Oil & Gas Lease No.: L-5166

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [X] OTHER

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEPEN [ ] PLUG BACK [X] DIFF. RESVR. [X] OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: State "IG" Com

2. Name of Operator: Amoco Production Company
9. Well No.: 1

3. Address of Operator: P. O. Box 68, Hobbs, New Mexico 88240
10. Field and Pool, or Wildcat: Wildcat Atoka

4. Location of Well
UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 23-S RGE. 32-E NMPM
12. County: Lea

15. Date ~~Spudded~~ OC	16. Date T.D. Reached	17. Date Compl. ~~(Ready to Prod.)~~	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
8-31-83	4-6-81	10-20-83	3664' GL	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
15920'	14800'		→	0-TD	NO

24. Producing Interval(s), of this completion — Top, Bottom, Name: None
25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run:
27. Was Well Cored: NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	65#	705'	20"	750 sx Cl C	Circ. 75 s
10-3/4"	51#	4740'	14-3/4"	2960 sx Dowell, 200 ClC	200 sx
7-5/8"	39, 33.7#	12060'	9-1/2"	1350 sx Lite, 200 Cl H,+	100 sx
				425 Cl C	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	11604'	15920'	500 Cl H	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	11486'	11501'

31. Perforation Record (Interval, size and number)

14419'-444' w/4 SPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
14419'-444'	5000 gal 15% HCL acid

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
		Shut-in

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.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Test Witnessed By

35. List of Attachments

Expires 11/2/84

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

SIGNED Cathy L. Forman TITLE Assist. Admin. Analyst DATE 10-21-83

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: V-1811

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEPEN [ ] PLUG BACK [X] DIFF. RESVR. [ ] OTHER Re-Entry

7. Unit Agreement Name:

8. Farm or Lease Name: State "IG"

2. Name of Operator: Marshall & Winston, Inc.

9. Well No.: 1

3. Address of Operator: 310 West #10 Desta Drive, Midland, Texas 79705

10. Field and Pool, or Wildcat: South Sand Dunes B.S.

4. Location of Well: UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 23-S RGE. 32-E NMPM

12. County: Lea

15. Date ~~Spudded~~ Re-Entry	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
	11/26/86	12/10/86	3664' GR	3666'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
15,920'	10,000'		→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 9800-9816' + 9824-9836' Bone Springs

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: CBL

27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	65	705'	20"	750 sxs	-0-
10-3/4"	51	4740'	14-3/4"	3160 sxs	-0-
7-5/8"	39 & 33.7	12,060'	9-1/2"	1975 sxs	-0-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	11,604'	15,920'	550	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	9553'	-

31. Perforation Record (Interval, size and number)

9800-9816' (.375") 17 holes - Bone Springs

9824-9836' (.375") 13 holes - Bone Springs

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9800-36'	f/40,000 gal. Mini-Max 3-40
	+ 63,000# 20/40 sand

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
12-13-86	Pumping - 1-1/2" RHBC	Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
1-26-87	24	-		28	21.6	65	771

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
-	20#		28	21.6	65	44.5 deg

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

Test Witnessed By: Ed Locke

35. List of Attachments

Attachment E

RECEIVED JUL 13 1992

Chemical Company

P. O. Box 1306 • Phone (505) 746-6611

Artesia, New Mexico 88210

WATER ANALYSIS REPORT

Company HARVARD PET Date 7-9-92

Field _____ County LEA State CO.

Lease and Well No. JAMES FED #2 Prod. Formation _____

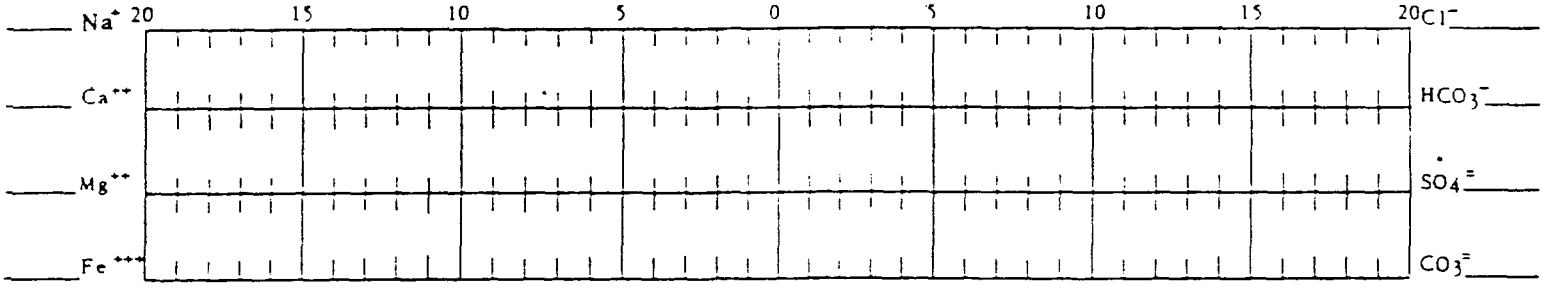
Source of Sample WELL HEAD

Sample of Prod. Water ☑ Inj. Water ☐ Other ☐

Date Collected 7-9-92 Analyst GKJ

WATER ANALYSIS PATTERN

(NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)



Dissolved Solids Constituent	MG/L (PPM)	EPM
Calcium	1760	
Magnesium	1340	
Sodium		
Iron	1.5	
Chloride	59,400	
Bicarbonate	618	
Carbonate	0	
Sulfate	1372	
Total Hardness	3100	
Total Dissolved Solids	64,490	
Hydrogen Sulfide	N/C.	
Oxygen	1.0	

ph 7.35

Sp. Gravity _____

Remarks:

Attachment E

ZIA

Chemical Company

P. O. Box 1306 • Phone (505) 746-6611
Artesia, New Mexico 88210

WATER ANALYSIS REPORT

Company HARVARD PET Date 7-9-92

Field _____ County LEA State NM

Lease and Well No. AMOCO I.G. #1 Prod. Formation _____

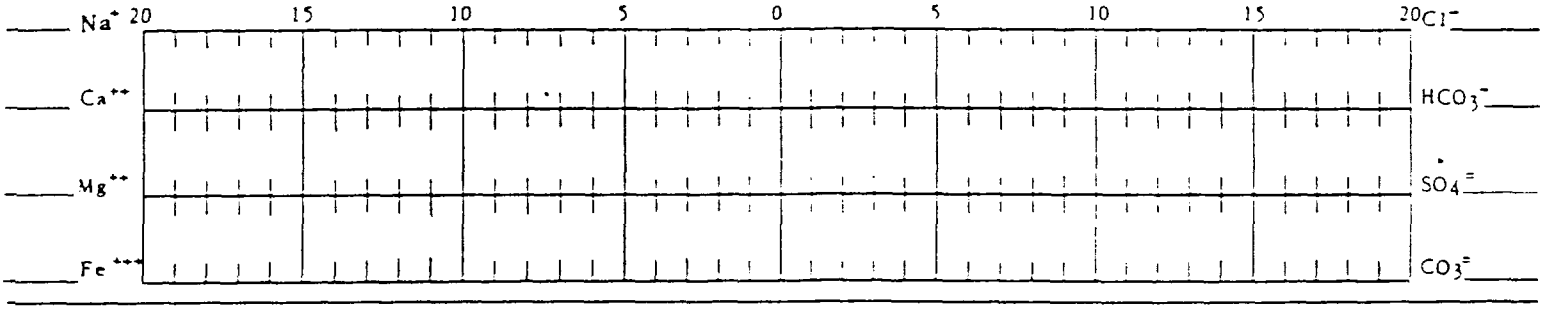
Source of Sample WELLHEAD

Sample of Prod. Water ☑ Inj. Water ☐ Other ☐

Date Collected 7-9 Analyst G.K.T.

WATER ANALYSIS PATTERN

(NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)



Dissolved Solids Constituent	MG/L (PPM)	EPM
Calcium	2325	
Magnesium	4155	
Sodium		
Iron	NIL	
Chloride	55,000	
Bicarbonate	410	
Carbonate	0	
Sulfate	1118	
Total Hardness	6480	
Total Dissolved Solids		
Hydrogen Sulfide	NIL	
Oxygen	NIL	

ph 7.10

Sp. Gravity _____

Remarks:

Attachment F

ZIA
Chemical Company
P. O. Box 1306 • Phone (505) 746-6611
Artesia, New Mexico 88210

WATER ANALYSIS REPORT

Company HARVARD PET Date 7-9-92

Field _____ County LEA State NM

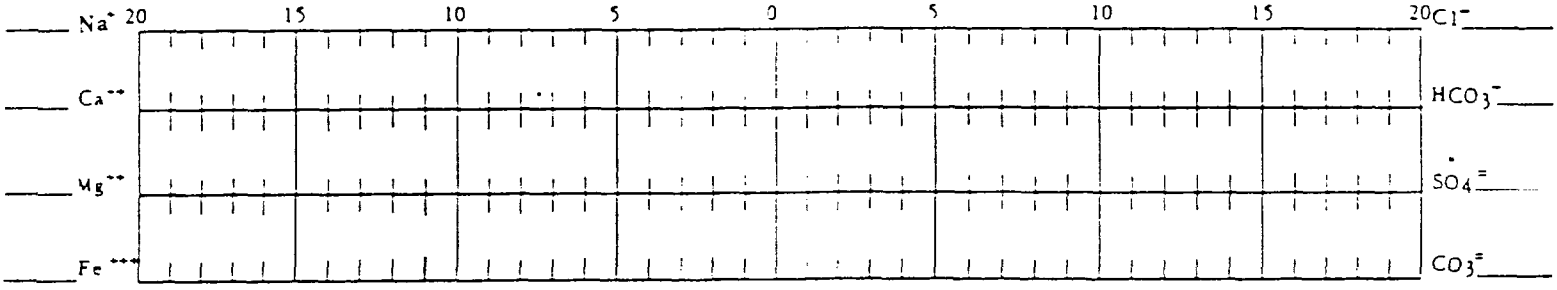
Lease and Well No. JAMES FED #1 Prod. Formation _____

Source of Sample WELL

Sample of Prod. Water ☐ Inj. Water ☐ Other ☐

Date Collected 7-9- Analyst G.K.J.

WATER ANALYSIS PATTERN
(NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)



Dissolved Solids Constituent	MG/L (PPM)	EPM
Calcium	1324	
Magnesium	932	
Sodium		
Iron	NIL	
Chloride	43450	
Bicarbonate	823	
Carbonate	NIL	
Sulfate	954	
Total Hardness	2165	
Total Dissolved Solids	67,392	
Hydrogen Sulfide	NIL	
Oxygen	NIL	

ph 7.45

Sp. Gravity _____

Remarks:

EXHIBIT "G"
PROOF OF NOTIFICATION

I CERTIFY THAT A COPY OF THE DISPOSAL APPLICATION WAS MAILED TO THE FOLLOWING:

OFFSET OPERATORS WITHIN 1/2 MILE:

Yates Petroleum Corporation
105 South 4th Street
Artesia, New Mexico 88210

Siete Oil & Gas Corporation
P. O. Box 2523
Roswell, N.M. 88202

Santa Fe Energy Operating Partners, L.P.
550 West Texas, Suite 1330
Midland, Texas 79701

Amoco Production Company
P. O. box 3092
Houston, Texas 77253

SURFACE OWNER:

Bureau of Land Management
P. O. Box 1778
Carlsbad, New mexico 88221-1778
88260

NEWSPAPER

Lovington Daily Leader
P. O. Drawer 1717
Lovington, New Mexico

BY CERTIFIED/RETURN RECEIPT MAIL ON THIS DATE

Jim Ball, Land Manager

June 21, 1994

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: HARVARD PETROLEUM CORP. Well: JAMES FEDERAL WELL NO. 1

Contact: JIM BALL Title: LAND MGR. Phone: 505-623-1581

DATE IN 7-28-94 RELEASE DATE 8-16-94 DATE OUT 8-25-94

Proposed Injection Application is for: ___ WATERFLOOD ___ Expansion ___ Initial

Original Order: ~~RM~~ AMEND SWD-486 ___ Secondary Recovery ___ Pressure Maintenance

SENSITIVE AREAS X SALT WATER DISPOSAL

___ WIPP ___ Capitan Reef ___ Commercial Operation

Data is complete for proposed well(s)? YES Additional Data _____

AREA of REVIEW WELLS

2 Total # of AOR 0 # of Plugged Wells

YES Tabulation Complete N/A Schematics of P & A's

YES Cement Tops Adequate N/A AOR Repair Required

INJECTION INFORMATION

Injection Formation(s) BELL CANYON (DELAWARE)

Source of Water DELAWARE Compatible YES

PROOF OF NOTICE

___ Copy of Legal Notice ___ Information Printed Correctly

X Correct Operators ___ Copies of Certified Mail Receipts

___ Objection Received ___ Set to Hearing _____ Date

NOTES: _____

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL ___

COMMUNICATION WITH CONTACT PERSON:

1st Contact: X Telephoned ___ Letter 8-25-94 Date Nature of Discussion NEED COPY OF LEGAL & CERTIFIED RCPTS

2nd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

3rd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

OIL CONSERVATION DIVISION
RECEIVED
JUL 8 50

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR

July 27, 1994

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

SWD-486

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:
MC_____
DHC_____
NSL_____
NSP_____
SWD X
WFX_____
PMX_____

Gentlemen:

I have examined the application for the:

Harvard Petroleum Corp | James Federal #1-O | Sec.29, T-23S, R-32E
Operator | Lease & Well No. | Unit | S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed