

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 \*

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  
Enron Oil & Gas Company  
3. ADDRESS OF OPERATOR  
P. O. Box 2267, Midland, Texas 79702  
4. LOCATION OF WELL (Report location clearly and in accordance with BLM requirements)\*  
At surface  
10' FSL & 2110' FEL  
At top prod. interval reported below  
See attached directional survey  
At total depth  
See attached directional " "  
at 14,479' 882' S0.61°W  
14. PERMIT NO. API # Unknown  
DATE ISSUED  
12. COUNTY OR PARISH  
Eddy  
13. STATE  
NM  
15. DATE SPUDDED  
12-29-92  
16. DATE T.D. REACHED  
3-14-93  
17. DATE COMPL. (Ready to prod.)  
3-22-93  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
3322' GR  
19. ELEV. CASINGHEAD  
3322'  
20. TOTAL DEPTH, MD & TVD  
14,540  
21. PLUG. BACK T.D., MD & TVD  
14,525  
22. IF MULTIPLE COMPL., HOW MANY?  
23. INTERVALS DRILLED BY  
ROTARY TOOLS  
CABLE TOOLS  
X  
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
14,412'-14,448' ("C") 13,964'-13,976' ("A")  
25. WAS DIRECTIONAL SURVEY MADE  
Yes  
26. TYPE ELECTRIC AND OTHER LOGS RUN  
DLL/GR, LS-BHC-AL/GR; DLL/GR ZDL/CN/GR  
27. WAS WELL CORRED  
No

CASING RECORD (Report all strings set in well)					
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48#	600	17-1/2	625 Prem Plus	Circulated
9-5/8	40#	4050	12-1/4	1800 Prem Plus	Circulated
7	26#	11900	8-1/2	2010 HLC, 400 Prem Plus	-

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	11,532'	14,537'	490	-	2-7/8	13,710	13,700

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.						
14,412-14,424 (48 .62") 14,429-14,438 & 14,442-14,448 (60 .62") 13,964'-13,976' (49 .62")	<table><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr><tr><td>14,412-14,448</td><td>2000 gals mod 101 acid w/10% Methanol</td></tr><tr><td>13,964'-13,976'</td><td>No treatment</td></tr></table>	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	14,412-14,448	2000 gals mod 101 acid w/10% Methanol	13,964'-13,976'	No treatment
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED						
14,412-14,448	2000 gals mod 101 acid w/10% Methanol						
13,964'-13,976'	No treatment						

33.\* PRODUCTION  
DATE FIRST PRODUCTION  
4-3-93  
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  
Flowing  
WELL STATUS (Producing or shut-in)  
Producing  
DATE OF TEST  
4-4-93  
HOURS TESTED  
24  
CHOKE SIZE  
19/64  
PROD'N. FOR TEST PERIOD  
OIL—BBL.  
0  
GAS—MCF.  
5523  
WATER—BBL.  
0  
GAS-OIL RATIO  
0  
FLOW. TUBING PRESS.  
2400  
CASING PRESSURE  
600  
CALCULATED 24-HOUR RATE  
OIL—BBL.  
GAS—MCF.  
WATER—BBL.  
OIL GRAVITY-API (CORR.)  
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Sold  
TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
Logs, Directional Survey  
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Betty Gildon TITLE Regulatory Analyst DATE 4/5/93

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

7. SUMMARY OF POROUS ZONES: (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):

38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
	0	2178	Red Red, Anhy
	2178	4022	Salt & Anhy
	4022	5014	Anhy
	5014	7028	Sand, Shale
	7028	7544	Sand, Shale, Limestone
	7544	8371	100% LS
	8371	8840	LS, Sh
	8840	9182	100% Sh
	9182	9726	Sd, Sh, LS
	9726	10003	100% LS
	10003	11698	Sd, Sh,
	11698	12109	Sh, LS
	12109	12518	100% Sh
	12518	13657	Sh, LS
	13657	4165	LS, Sh, Chert
	4165	14204	LS, Sd, Sh
	14204	14235	LS, Sh, Chert
	14235	14475	LS, Sh
	14475	14540	100% Sand
	14540	TD	LS, Sd, Sh
			NAME
			MEAS. DEPTH
			TOP
			TRUE VERT. DEPTH
			Delaware Mt Grp
			Bone Spring LS
			Wolfcamp
			Strawn
			Atoka
			Atoka Bank
			Morrow
			Morrow Clastics
			4078
			8003
			11340
			13064
			13253
			13447
			13856
			13946

**C-104 Name Change Only****OGRID:****7377**

Current Name: Enron Oil & Gas  
 Address: P.O. Box 2267  
 Address:  
 City, State, Zip Midland, TX 79702

New Name: EOG Resources, Inc.  
 Address: P.O. Box 2267  
 Address:  
 City, State, Zip Midland, Texas 79702

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given below is true and complete to the best of my knowledge and belief.

Signature:   
 Printed Name: Gary P. Smith  
 Title: Operations Manager  
 Date: 01/14/2000 Phone: 915/686-3600

Instructions: Please make two copies of this document for each well listed, one copy for Santa Fe and one for District well files.

API NUMBER	U/L	SEC	TWP	RNG	POOL	PROP	Property Name	WELL #
15	28870	1	7	18S	30E	96573	18729 Sand Tank 7 Federal Com	1
15	28983	G	6	18S	30E	84872	18967 Sand Tank 6 Federal	1
15	28983	G	6	18S	30E	96839	18967 Sand Tank 6 Federal	1
15	29623	H	17	18S	30E	84872	20944 Sand Tank 17 Federal Com	1
15	29784	E	13	18S	30E	85305	21444 Sand Tank 13 Federal Com	1
15	24245	N	4	18S	30E	66302	22504 Holly 4 Federal Com	1
15	23069	N	17	18S	31E	85305	4042 Canadian Kenwood Federal	1
15	23444	F	18	18S	31E	56405	4043 Canadian Kenwood 18 Federal	1
15	27778	J	16	21S	29E	50443	13236 Big Eddy Unit	132
15	24953	B	11	22S	24E	81180	4045 Chama Federal Com	1
15	27910	1	4	22S	25E	96032	14380 Champagne 4 Fed	1
15	27460	H	36	22S	30E	66242	4060 James Ranch Unit	16
15	24352	N	36	23S	27E	40360	4062 Loving 36 State	1
15	21052	F	1	23S	30E	80520	4059 Hudson Federal Com	1
15	27270	<del>BO</del> 20	20	23S	31E	84720	4088 Pure Gold B Federal	2
15	27760	J	34	25S	31E	96036	13532 Gunnison 34 Fed	1
15	28358	N	24	26S	30E	52795	16720 Palm Springs 24 Federal	1
15	30606	J	22	26S	30E	84330	24415 Ross Draw Unit	21
25	23728	1	5	09S	35E	62459	4057 Henry	1
25	26430	H	19	16S	33E	1910	4086 Pogo State	1
25	24944	C	36	17S	32E	13150	4035 Aztec State	1
25	25090	B	36	17S	32E	44523	4035 Aztec State	3
25	31191	J	13	18S	32E	13195	13413 Bingo Federal	1
25	28847	G	26	18S	34E	960	13541 Strip 26 State	1
25	27785	J	35	20S	35E	82240	4091 Sims 35 State	2
25	25270	G	12	21S	34E	64985	4092 State 12	1
25	32093	2	31	22S	32E	96036	13560 Silverton 31 Federal	1
25	24893	G	20	23S	33E	72880	19518 Brininstool Unit	1
25	25553	F	21	23S	33E	72880	19518 Brininstool Unit	2
25	34357	N	23	23S	37E	58520	23135 Hunt 23	1
25	29086	I	36	24S	33E	82930	4051 Diamond SM-36 State	1
25	31798	N	36	24S	33E	82930	4051 Diamond SM-36 State	2
25	31798	N	36	24S	33E	82950	4051 Diamond SM-36 State	2
25	33299	B	15	24S	33E	79335	18451 Jackson Unit	4
25	33299	B	15	24S	33E	96564	18451 Jackson Unit	4

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APR 11 11 20 AM '95

SUNDRY NOTICES AND REPORTS ON WELLS

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

Drawer DD  
Artesia, NM 88210

CISF

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

NM 38463

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Pure Gold B Federal #2

9. API Well No.

30 015 27270

10. Field and Pool or Exploratory Area  
Los Medanos Morrow

11. County or Parish, State

Eddy County, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Enron Oil & Gas Company

3. Address and Telephone No

P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1980' FEL

Sec 17, T23S-R31E

Surface Location: 16' FSL & 2116' FEL Sec. 17

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other T.A. Atoka

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work, and give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

RECEIVED

MAY 11 1995

3-29-95 - 2-3/8" tubing & packer at 13,500' -

This well was flowing from the Atoka sand 13,367' - 13,376'.  
A recent workover performed identified the Atoka sand as a water source and a packer was installed to isolate the Atoka perms from the production stream.

OIL CON. DIV.

DIST 2

4-6-95 - The well is now flowing from the Morrow "A" (13,964'-76') and the Morrow "C" (14,412' - 14,448') 1600 MCFD, 8 BCPD, and 6 BWPD, FTP 750.

Carlsead, New Mexico

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

Signed Betty Gildon Title Regulatory Analyst

Date 4/10/95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

**RECEIVED**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Enron Oil & Gas Company

3. Address and Telephone No.

P. O. Box 2267, Midland, Texas 79702

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

10' FSL & 2110' FEL  
Sec 17, T23S, R31E

5. Lease Designation and Serial No.

NM 38463

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Pure Gold B Federal #2

9. API Well No.

30 015 27270

10. Field and Pool, or Exploratory Area

Los Medanos Atoka/Morrow

11. County or Parish, State

Eddy, NM

**CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Additional Perfs  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

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

13. 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.)

4-23-94 - Perforated 16 holes from 13,703.5' to 13,707.3'. Packer at 13,698'.

4-25-94 - 24 hours flowed 5087 MCFD, 7 BCPD on a 17/64" choke; FTP 2700#; CP 0; 102 BWPD.

*J. Lara*  
20

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

Signature Betty Gildon Betty Gildon

Title Regulatory Analyst

Date 4/28/94

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*See instruction on Reverse Side**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM IL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENRON OIL & GAS COMPANY

3. Address and Telephone No.

P.O. Box 2267, Midland, TX 79702 (915)686-3600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1980' FEL Sec. ~~20~~, T23S, R31E,  
10' S 2110' E 17

5. Lease Designation and Serial No.

NM38463

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Pure Gold "B" Fed. #2

9. API Well No.

3001527270

10. Field and Pool, or Exploratory Area

Los Medanos, Morrow/Atoka

11. County or Parish, State

Eddy Co., N.M.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Downhole Commingling  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

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

13. 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.)\*

Enron Oil & Gas Company requests approval for downhole commingling of production from the Morrow and Atoka formations in its Pure Gold "B" Federal No. 2 Well. See Attached Exhibits for all information supporting this application.

RECEIVED  
FEB 14 8 45 AM '94  
CARTER  
AREA

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

Signed

Title

Project Production Engineer

Date

02/08/94

(This space for Federal or State office use)

Orig. Signed by Adam Salameh

Title

Petroleum Engineer

Date

3/10/94

Approved by

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil and Gas Commission  
Drawer DD  
Artesia, NM 88210

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FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

DEC 08 1993

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

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Enron Oil & Gas Company

3. Address and Telephone No.

P. O. Box 2267, Midland, Texas 79702

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

10' FSL & 2110' FEL  
Sec 17, T23S, R31E

5. Lease Designation and Serial No.

NM 38463

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Pure Gold "B" Federal #2

9. API Well No.

30 015 27270

10. Field and Pool, or Exploratory Area

Los Medanos

11. County or Parish, State

Eddy County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

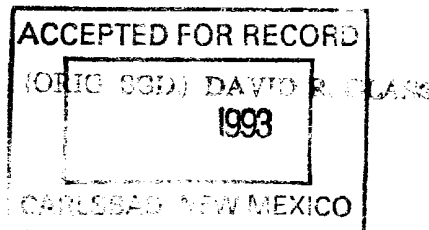
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other Frac job  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

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

13. 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.)\*

- 11-11-93 - Frac Atoka Perfs 13,367'-13,376' with 30,658 gals 60 quality CO2 Alco foam & 18,000# 20/40 Interprop Plus.  
11-13-93 - 24 hours flowing 1900 MCFD on an 18/64" chk; TP 1300; CP 500; 0 BOPD, 165 BWPD.  
11-14-93 - 24 hours flowing to sales; 1697 MCFD on a 22/64" chk; TP 830; CP 50; recovered 1 BOPD and 194 BWPD.



NOV 17 11 17 AM '93

RECEIVED

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

Signed Betty Gildon Title Regulatory Analyst

Date 11/16/93

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

## OIL CONSERVATION DIVISION

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

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

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

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator <b>Enron Oil &amp; Gas Company</b>	Well API No. <b>30 015 27270</b>
Address <b>P. O. Box 2267, Midland, Texas 79702</b>	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/> Evaluating well for possible dual with Morrow formation.
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator	

#### II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Pure Gold "B" Federal</b>	Well No. <b>2</b>	Pool Name, Including Formation <b>Los Medanos Atoka/Morrow</b>	Kind of Lease FED State, Federal or Fee	Lease No. <b>NM 38463</b>
Location Unit Letter <b>0</b> : <b>10</b> Feet From The <b>south</b> Line and <b>2110</b> Feet From The <b>east</b> Line Section <b>17</b> Township <b>23S</b> Range <b>31E</b> , NMPM, <b>Eddy</b> County				

#### III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) <b>P. O. Box 4666, Houston, Texas 77210-4666</b>
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) <b>P. O. Box 2267, Midland, Texas 79702</b>
If well produces oil or liquids, give location of tanks.	Unit   Sec.   Twp.   Rge.   Is gas actually connected?   When ? <b>0   17   23S   31E   Yes   9-15-93</b>

If this production is commingled with that from any other lease or pool, give commingling order number:

#### IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		<b>X</b>				<b>X</b>		<b>X</b>
Date Spudded <b>8-24-93</b>	Date Compl. Ready to Prod. <b>8-28-93</b>	Total Depth <b>14,540'</b>		P.B.T.D. <b>13,521'</b>				
Elevations (DF, RKB, RT, GR, etc.) <b>3322' GR</b>	Name of Producing Formation <b>Atoka</b>	Top Oil/Gas Pay <b>13,367'</b>		Tubing Depth <b>2-7/8" at 13,235'</b>				
Perforations <b>13,367' - 13,376'</b>		Depth Casing Shoe						
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT				
<b>17-1/2</b>	<b>13-3/8</b>	<b>600</b>		<b>625 Prem Plus</b>				
<b>12-1/4</b>	<b>9-5/8</b>	<b>4050</b>		<b>1800 Prme Plus</b>				
<b>8-1/2</b>	<b>7</b>	<b>11900</b>		<b>2010 HLC, 400 Prem Plus</b>				
<b>6-1/8</b>	<b>4-1/2" Liner</b>	<b>14537 TOL: 11532</b>		<b>400 Prem Plus</b>				

#### V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

#### GAS WELL

Actual Prod. Test - MCF/D <b>429</b>	Length of Test <b>24 hours</b>	Bbls. Condensate/MMCF <b>7</b>	Gravity of Condensate <b>-</b>
Testing Method (pilot, back pr.) <b>Back Pressure</b>	Tubing Pressure (Shut-in) <b>4600</b>	Casing Pressure (Shut-in) <b>0</b>	Choke Size <b>11/64</b>

#### VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Betty Gildon  
Printed Name **Betty Gildon**, Regulatory Analyst  
Date **9/23/93** Telephone No. **915/686-3714**

#### OIL CONSERVATION DIVISION

Date Approved **NOV 12 1993**  
By ORIGINAL SIGNED BY  
**MIKE WILLIAMS**  
Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN APPLICATION  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-  
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.

1. NAME OF OPERATOR  
Enron Oil & Gas Company

2. ADDRESS OF OPERATOR  
P. O. Box 2267, Midland, Tx 79702

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

10' FSL & 2110' FEL Section 17

14. PERMIT NO.  
30 015 27270

15. ELEVATIONS (Show whether OF, RT, GR, etc.)  
3322' GR

5. LEASE DESIGNATION AND SERIAL NO.  
NM 38463

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Pure Gold "B" Federal

9. WELL NO.

10. FIELD AND HOLE OR WILDCAT  
Los Medanos Atoka/Morrow

11. SEC., T., R., M., OR BLM. AND  
SURVEY OR AREA

Sec 17, T23S, R31E

12. COUNTY OR PARISH  
Eddy

13. STATE  
NM

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF: 8-25-93

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANE

(Other) Additional Perforations

(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.)\*

Isolated Morrow "A" & "C" perforations

13,964'-13,976' and

14,412'-14,448'

with a CIPB at 13,746' & 250 gal Temblock  
plug - tagged sand/gel plus at 13,521'.

Perforated Atoka

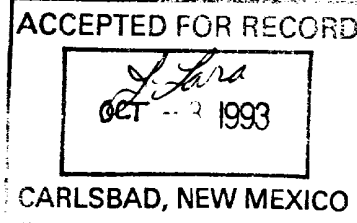
13,367'-13,376' (.62" 37)

Acidized with 1066 gals MOD 101 w/10% Methanol.

2-3/8" tubing set at 13,235'

Well on production in Atoka 9-15-93 at 3:00 p.m. 9-22-93 425 MCFD, 5 BCPD, 35 BWPD

Evaluating now for possible dual completion with Morrow.



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

SIGNED

*Betty Gildon*  
Betty Gildon

TITLE

Regulatory Analyst

DATE

9/23/93

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES DISTRICT COURT  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Form approved.  
Budget Bureau No. 1004-0112  
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.

1. NAME OF OPERATOR  
Enron Oil & Gas Company

2. ADDRESS OF OPERATOR  
P. O. Box 2267, Midland, Texas 79702

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
10' FSL & 2110' FEL

4. PERMIT NO.  
3322' GR

5. ELEVATIONS (Show whether OF, RT, GR, etc.)  
3322' GR

6. LEASE DESIGNATION AND SERIAL NO.  
NM 38463

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME  
Pure Gold B Federal

10. WELL NO.  
2

11. FIELD AND POOL, OR WILDCAT  
Los Medanos Mc row/Atoka

12. SEC., T., R., M., OR BLM, AND SURVEY OR AREA  
Sec 17, T23S, R31E

13. COUNTY OR PARISH  
Eddy

14. STATE  
NM

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

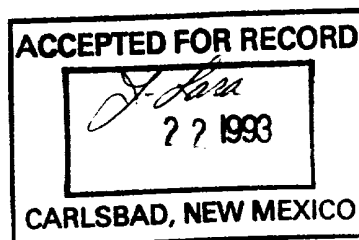
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	FRACURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Report of BHL	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>

16. 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.

Bottom Hole Location at 14,479'

872.41' FNL & 2119.42' FEL of Section 20, T23S, R31E

CORRECTION to show distance of 872.41' to north section line.



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

SIGNED Betty Sildon TITLE Regulatory Analyst DATE 8/20/93

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

U.S. DEPARTMENT OF  
SOCIAL SERVICES  
OFFICE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
Other instructions on  
reverse side

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☒

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☒

2. NAME OF OPERATOR

Enron Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

10' FSL & 2110' FEL Section 17

At proposed prod. zone

872.41' FNL & 2119.42' FEL Section 20

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

17 miles east from Loving

13. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

10'

10'

13. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1345

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3322' GR

22. APPROX. DATE WORK WILL START\*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48	600	625 Prem Plus Circulated
12-1/4	9-5/8	40	4050	1800 Prem Plus Circulated
8-1/2	7	26	11900	2010 HLC, 400 Prem Plus
6-1/8	4-1/2 Liner	15.1	14540	490 Prem TOL: 11532

-To plug back to Atoka for possible dual with Morrow (perfs 13,964'-13,976' & 14,412'-14,448')

See Attached PB procedure.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Betty L. Eldon  
Betty Eldon

TITLE

Regulatory Analyst

DATE

8/25/93

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DISTRICT I**  
P. O. Box 1980  
Hobbs, NM 88240

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

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

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**  
All distances must be from the outer boundaries of the section.

Operator <b>ENRON OIL &amp; GAS COMPANY</b>			Lease <b>PURE GOLD 'B'</b>		Well No. <b>2</b>
Unit Letter <b>0</b>	Section <b>17</b>	Township <b>23 SOUTH</b>	Range <b>31 EAST, N.M.P.M.</b>	County <b>EDDY</b>	
Actual Footage Location of Well					
10' feet from the <b>SOUTH</b> line and		2110' feet from the <b>EAST</b> line			
Ground Level Elev. <b>3333'</b>	Producing Formation <b>Morrow/Atoka</b>	Pool <b>Los Medanos W. Sand Pines</b>	North 1/2 320 in sec 20 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all the owners been consolidated by communitization, unitization, forced-pooling, etc.?  
☐ Yes ☐ No If answer is "yes", type of consolidation \_\_\_\_\_  
If the answer is "no", list the owners and tract descriptions which have actually been consolidated. (Use the reverse side of this form if necessary.) \_\_\_\_\_  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the division.

**OPERATOR CERTIFICATION**

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

Signature  
*Betty Gildon*  
Printed Name  
**Betty Gildon**  
Position  
**Regulatory Analyst**  
Company  
**Enron Oil & Gas Company**  
Date  
**8/25/93**

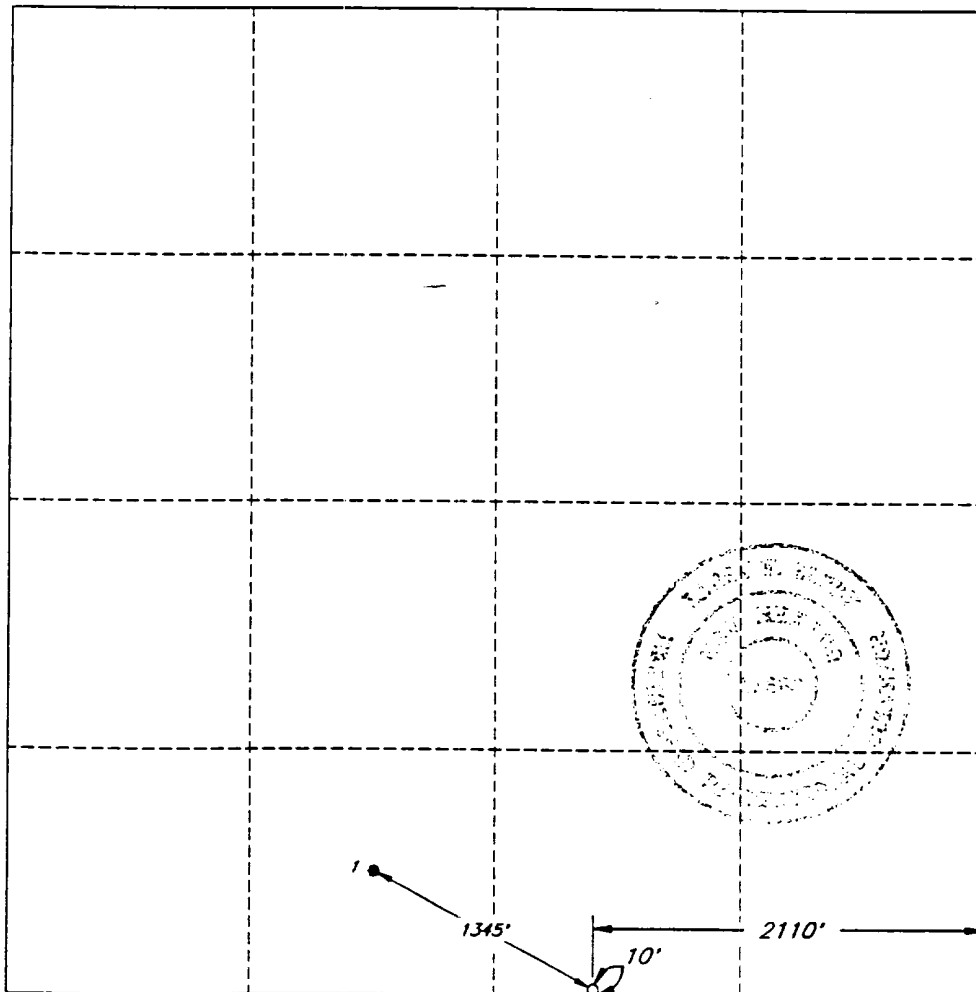
**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**NOVEMBER 13, 1992**

Signature and Seal of  
Professional Surveyor

Certificate No.  
**LARRY W. BUSBY R.P.S. #11398**



# ENRON OIL & GAS COMPANY

Date: 08/24/93

Well: **Pure Gold "B" Federal No. 2**

BH Loc.: 872' FNL & 2,119' FEL, Sec. 20-23S-31E

Surf. Loc.: 10' FSL & 2,110' FEL, Sec. 17-23S-31E

County: Eddy County, New Mexico

## WELL DATA

ID: 14,540'      PBTD: 14,499'      KB: 3,359' (26' above GL)

CASING RECORD: 13-3/8" set at 600', cemented to surface  
9-5/8" set at 4,050', cemented to surface  
7", 26 & 29 lb./ft., N-80, STC & LTC set at 11,900'  
cemented to surface, DV tool at 6,600'.  
4-1/2", 15.10 lb./ft., P-110, FL4S liner set from 11,532'  
(TOL) to 14,537'.

TUBING RECORD: 11,422' OF 2-7/8" 7.9# P-105 L-80 C-75 PH6  
2,262' of 2-3/8" 4.7# P-105 CS  
(see attached tubing detail)

PACKER: Otis 4-1/2" BWB packer set at 13,700'  
Seal assembly ID 1.92"  
"X" profile nipple ID 1.875"  
(see attached packer & seal ass. detail)

EXISTING PERFORATIONS: Morrow "C" 14,412' - 14,448' 108 holes.  
Flowed 1.7 MMCFD, 335 psi FTP, after acid BD.  
Reservoir press. 5777 psi (meas. 60 hr. BHPBU).  
  
Morrow "A" 13,964' - 13,976' 72 holes.  
Flowed 7 MMCFD, 40 BCPD, 2500 psi FTP after frac.  
Reservoir press. 6,352 psi (meas. with MWPT).  
  
Current rate 3.5 MMCFD, 800 psi FTP.  
Cumulative production 675 MMCF 2.3 MBC.  
Top of sand plug at 14,349' (meas. 8-17-93).

## ATOKA COMPLETION PROCEDURE

1. RU swab valve on tree. RU CTU and jet out sand/prop fill from 14,349' to 14,450'. Jet with nitrogen and foam. Flow well to clean up.
2. Shut in well. RU Schlumberger with 5,000 WP lubricator.  
RIH with CCL tool and check PBTD.  
RIH with Baker N 2-3/8" CIBP and set it in the packer tailpipe.  
Set the CIBP in the 7.7' pup joint below the Otis "X" nipple.  
POH. Release shut-in pressure. SION.

3. Blow down tubing, verify CIBP is holding.  
Load tubing with 10 PPG brine water containing 2 gpt Losurf 300.  
RU CU. ND tree and NU 10,000 WP BOP. Test BOP to 7,500 psi.
4. Sting out of Otis BWB packer. RU Halliburton and circulate hole with 2% KCL water. Spot 250 gal. of TEMBLOCK plug at 13,700' (immediately above the packer). Pull tubing to  $\pm$  13,550' and reverse circulate to circulate the excess gel plug to the surface. Pull tubing to  $\pm$  13,500'. Circulate to the end of the tubing 5 sks. of 20/40 sand. Pull tubing to  $\pm$  13,000' and SION to let sand fall on gel plug. Expected sand fill is 60' (see attached Halliburton procedure).

**NOTE:** Use thread protectors & stabbing guide when tripping & handling tubing. All 2% KCL water will contain 2 gpt Losurf 300.

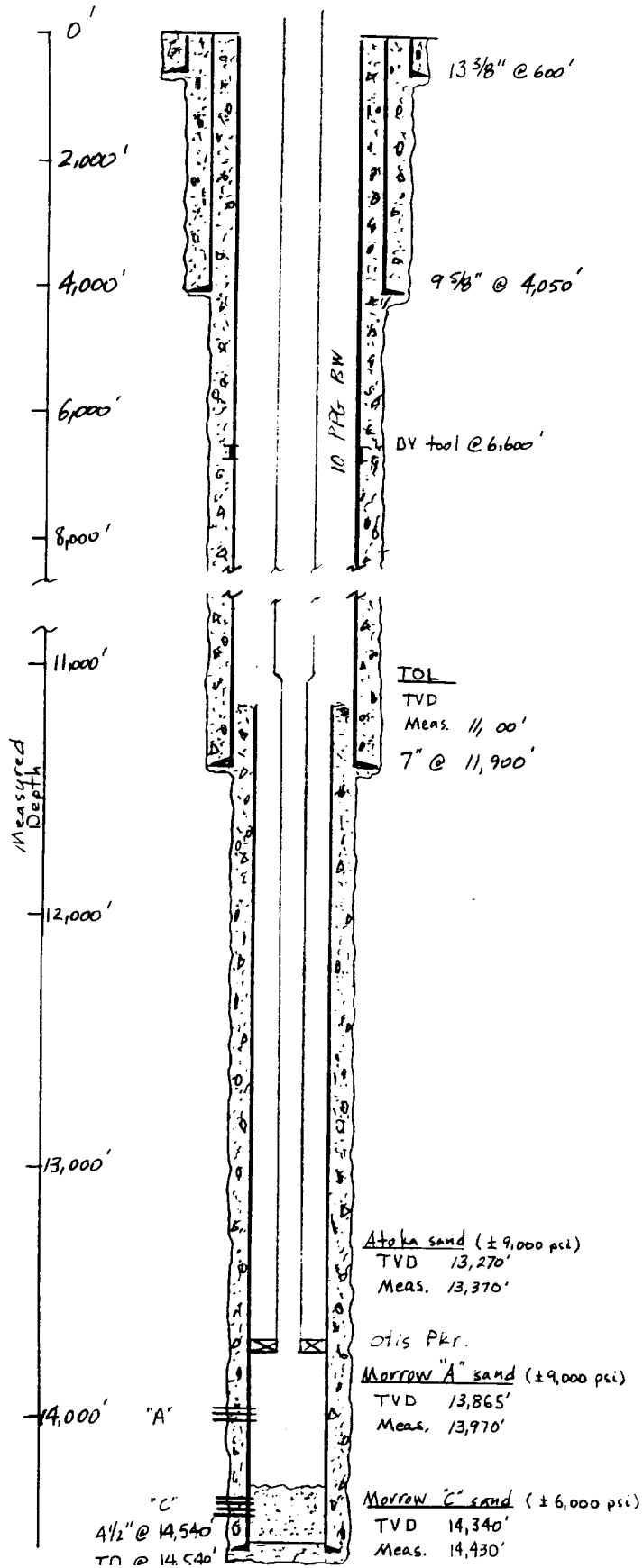
5. Pressure test sand/gel plug to 4,000 psi surface press. with 2% KCL water. RU Jarrel slickline unit. RIH and determine top of sand plug. If necessary wash out excess sand to  $\pm$  13,500'. TOH and lay down seal assembly.
6. PU Lindsey tie-back receptacle/PBR polishing mill. TIH with the 2-7/8" tubing, and polish the 5-1/4" ID tie-back receptacle and the 3-3/4" ID PBR. Use 2% KCL water as the circulating fluid. Displace hole with clean 10 PPG BW containing 2 gpt Losurf 300. TOH and lay down polishing mill.
7. TIH with  $\pm$  1,660' of 2-3/8" tubing (open-ended). PU the Lindsey 3-3/4" seal assembly and hang the 2-3/8" tubing below it. TIH on  $\pm$  11,540' of 2-7/8" tubing. Space out tubing, displace tubing and liner with 2% KCL water spotting 200 gal. of 10% acetic acid at the end of the 2-3/8" tubing, land tubing in PBR with \_\_\_\_\_ lbs. slackoff. Pressure test annulus to 3,500 psi. ND BOP & NU tree. Test tree to 10,000 psi. Swab fluid level down to 1,000 ft. from surface. RD CU.
8. RU Schlumberger with a 10,000 psi WP lubricator and test it to 7,500 psi. RIH with gamma gun, MWPT, and 1-11/16" Enerjet III strip gun,  $\pm$  45° phased and perforate the Atoka sand as follows:
 

13,367 - 13,376'	6 SPF	54 holes
------------------	-------	----------
9. Pump away acetic acid by pumping  $\pm$  7 bbls. of 2% KCL water containing 2 gpt Losurf 300. Flow well to recover tubing load and flow test.
10. If an acid breakdown is required pump 1,000 gal. MOD 101 acid containing 10% methanol (see attached Halliburton procedure).
11. Evaluate for fracture treatment and Atoka/Morrow dual completion.

Schlumberger	Hobbs, NM	Bobby Fowler	505/393-4107
Lindsey	Odessa, TX	David Birchfield	915/563-2323
HES (Halliburton)	Hobbs, NM	Tom Bailey	505/746-2757

Current Status

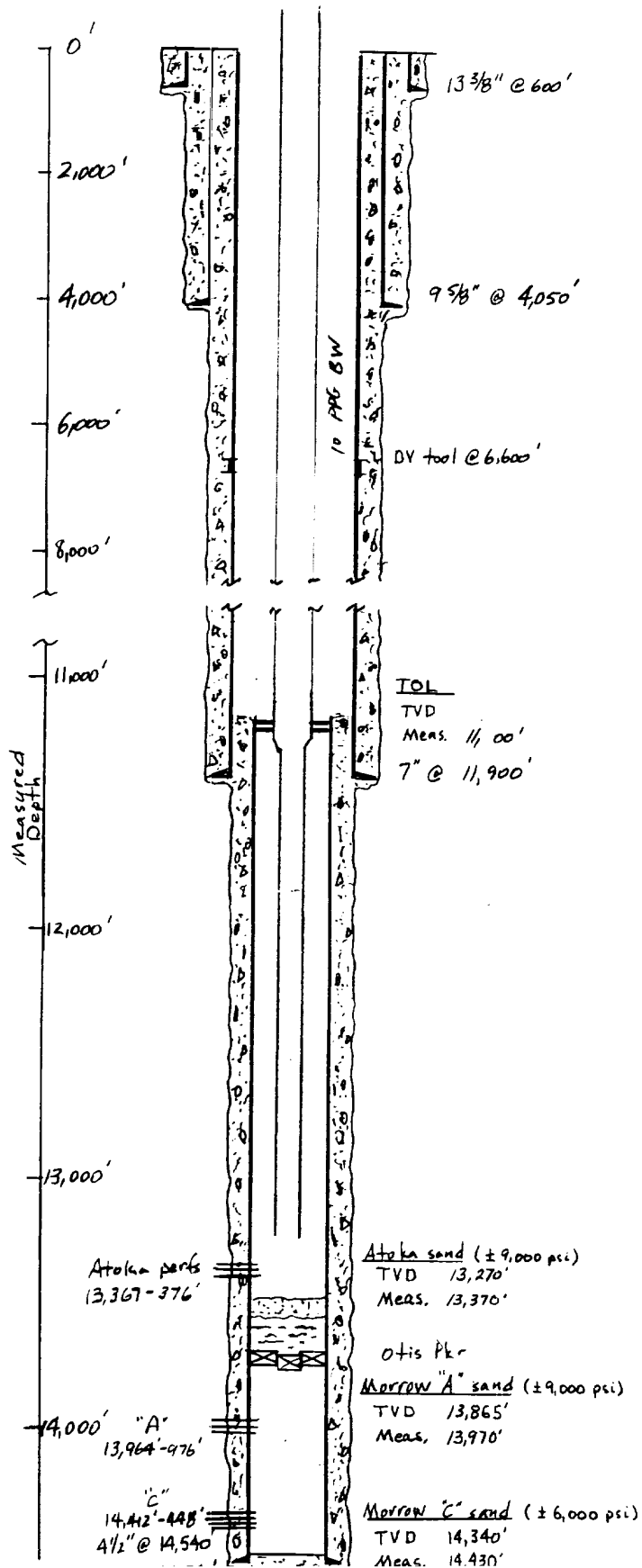
Pure Gold "B" Federal No. 2





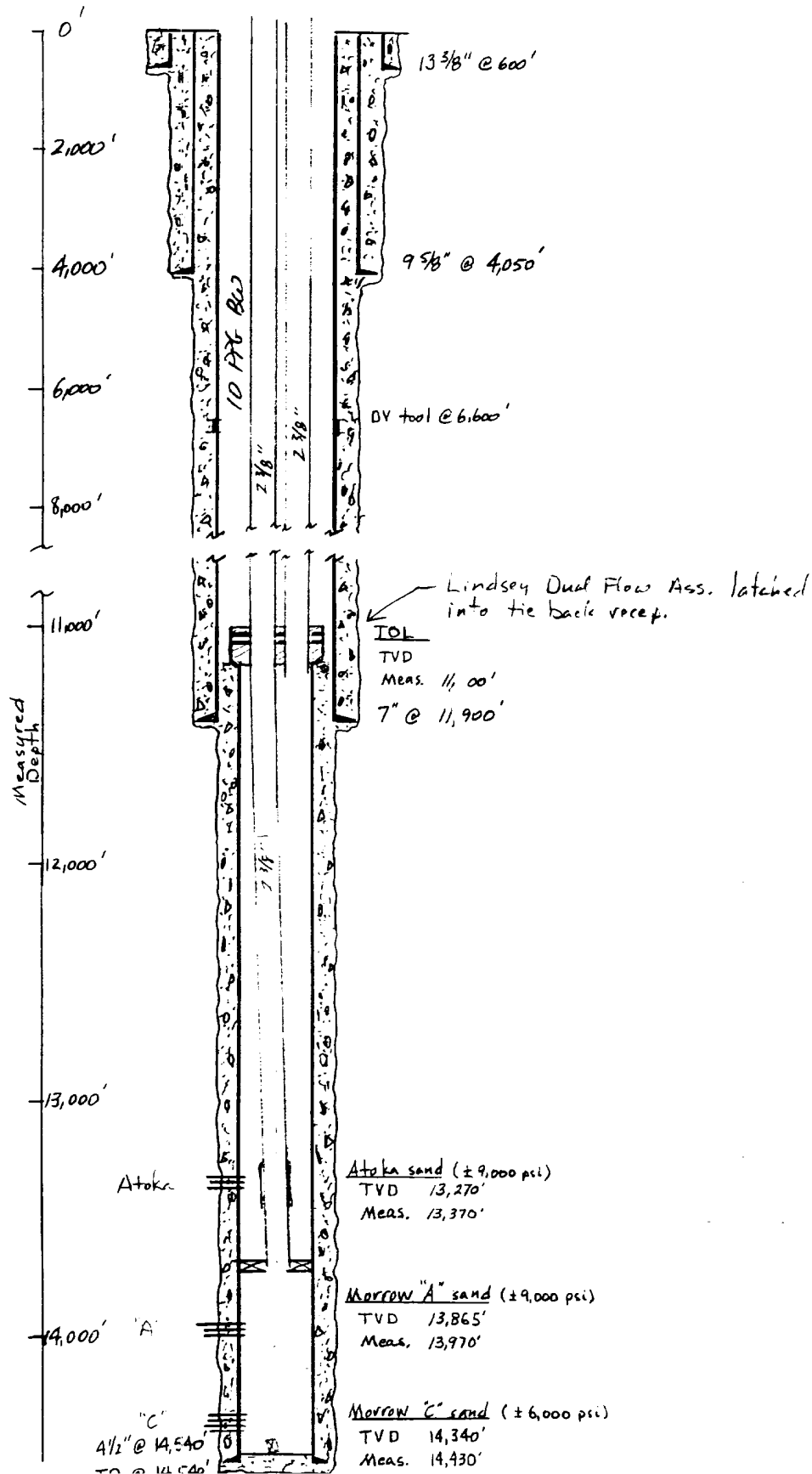
# Proposed Atoka Test

Pure Gold "B" Federal No. 2



Proposed Dual Status

Pure Gold "B" Federal No. 2



Brewer DD

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

Form 3160-5  
November 1983  
Formerly 9-111

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## 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.)

WELL ☐ GAS WELL ☒ OTHER ☐

1. NAME OF OPERATOR

Enron Oil &amp; Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2267, Midland, Texas 79702

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface

10' FSL &amp; 2110' FEL

14. PERMIT NO.

API # Unknown

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

3322' GR

6. LEASE DESIGNATION AND SERIAL NO.

NM 38463

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Pure Gold B Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Los Medanos Morrow/Atoka

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA

Sec 17, T23S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐PULL OR ALTER CASING ☐FRACTURE TREAT ☐MULTIPLE COMPLETE ☐SHOOT OR ACIDIZE ☐ABANDON\* ☐REPAIR WELL ☐CHANGE PLANS ☐(Other) ☐

SUBSEQUENT REPORT OF:

4-5-93

Completion Report

WATER SHUT-OFF ☐REPAIRING WELL ☐FRACTURE TREATMENT ☐ALTERING CASING ☐SHOOTING OR ACIDIZING ☐ABANDONMENT\* ☐(Other) To show location at Bottom Hole ☒

(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.)

Bottom Hole Location at 14,479'

872.41' FSL &amp; 2119.42' FEL

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

SIGNED

Betty G. Glass

TITLE

Regulatory Analyst

DATE

6/1/93

(This space for Federal or State office use)

APPROVED BY

(ORIG. SGD) DAVID R. GLASS

TITLE

DATE

JUN 1 1993

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

RECEIVED  
APR 21 10 02 AM '93

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Artesia, NM 88210

SUBMIT IN TRI-SECTION  
(Other instructions on re-  
verse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM 38463

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Pure Gold B Federal

9. WELL NO.

2

10. FIELD AND POOL OR WILDCAT

Los Medanos Morrow/Atoka

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 17, T23S, R31E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

1. NAME OF OPERATOR  
Enron Oil & Gas Company

2. ADDRESS OF OPERATOR

P. O. Box 2267, Midland, Texas 79702

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)

At surface

10' FSL & 2110' FEL

14. PERMIT NO

Unknown

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

3322' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

4/5/93

WATER SHUT-OFF

REPAIRING WELL

FRACURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(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.) \*

4-15-93 - Pump 1000 gal MOD-101 acid; 3004 gal 60% Alco foam perpad, 15,802 gal 60% Alco foam pad & 6395 gal 60% Alcofoam w/20/40 Interprop plus.

Perfs 13,964'-13,976' Morrow "A"

4-18-93 Flowing 8200 MCFD on 19/64" choke; FTP 2740; CP 800; 60 BCPD & 0 BWPD.

J. Lora  
2 993

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

SIGNED

Betty Gildon

TITLE

Regulatory Analyst

DATE

4/20/93

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Submit in duplicate to  
appropriate district office  
See Rule 401 & Rule 1122

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-122  
Revised 4-1-91

**OIL CONSERVATION DIVISION**

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

**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Operator <b>ENRON OIL &amp; GAS COMPANY</b>					Lease or Unit Name <b>PURE GOLD B FEDERAL</b>				
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date <b>5/11/93</b>		Well No. <b>2</b>		
Completion Date <b>3-22-93</b>		Total Depth <b>14540</b>		Plug Back TD <b>14525</b>		Elevation <b>3322' GL</b>		Unit Ltr. - Sec. - TWP - Rge. <b>0 17 23S 31E</b>	
Csg. Size <b>4 1/2</b>	Wt. <b>15.1</b>	d <b>3.826</b>	Set At <b>145</b>	Perforations: From: <b>13964</b> To: <b>14448</b>			County <b>EDDY</b>		
Tbg. Size <b>2 7/8 &amp; 2 3/8</b>	Wt. <b>7.9 &amp; 4.7</b>	d <b>2.441 &amp; 1.995</b>	Set At <b>13710</b>	Perforations: From: <b>OPEN</b> To: <b>ENDED</b>			Pool <b>Los Medanos</b>		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <b>SINGLE</b>				Packer Set At <b>13700</b>			Formation <b>MORROW</b>		
Producing Thru <b>TBG</b>		Reservoir Temp. °F <b>211.1</b>		Mean Annual Temp. °F <b>60°</b>		Baro, Press - P <sub>a</sub> <b>13.2</b>		Connection <b>TRANSWESTERN</b>	
L <b>13710</b>	H <b>13710</b>	Gg <b>0.586</b>	% CO <sub>2</sub> <b>0.73</b>	% N <sub>2</sub> <b>0.75</b>	% H <sub>2</sub> S	Prover		Meter Run <b>4.026</b>	Taps <b>FLG</b>

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI						<b>3172</b>	<b>60</b>	<b>PACKER</b>	
1.	<b>4.026 X</b>	<b>2.500</b>	<b>680</b>	<b>2</b>	<b>55</b>	<b>3014</b>			<b>1 HR</b>
2.	<b>4.026 X</b>	<b>2.500</b>	<b>690</b>	<b>6</b>	<b>60</b>	<b>2842</b>			<b>1 HR</b>
3.	<b>4.026 X</b>	<b>2.500</b>	<b>700</b>	<b>14</b>	<b>56</b>	<b>2579</b>			<b>1 HR</b>
4.	<b>4.026 X</b>	<b>2.500</b>	<b>710</b>	<b>24</b>	<b>60</b>	<b>2296</b>			<b>1 HR</b>
5.									

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1.	<b>32.64</b>	<b>37.23</b>	<b>693.2</b>	<b>1.005</b>	<b>1.306</b>	<b>1.059</b>	<b>1689</b>
2.	<b>32.64</b>	<b>64.96</b>	<b>703.2</b>	<b>1.000</b>	<b>1.306</b>	<b>1.057</b>	<b>2927</b>
3.	<b>32.64</b>	<b>99.92</b>	<b>713.2</b>	<b>1.004</b>	<b>1.306</b>	<b>1.059</b>	<b>4529</b>
4.	<b>32.64</b>	<b>131.75</b>	<b>723.2</b>	<b>1.000</b>	<b>1.306</b>	<b>1.057</b>	<b>5936</b>
5.							

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	<b>1.03</b>	<b>515</b>	<b>1.47</b>	<b>0.892</b>	A.P. I. Gravity of Liquid Hydrocarbons <b>54 @ 60°</b>	Deg.
2.	<b>1.05</b>	<b>520</b>	<b>1.49</b>	<b>0.895</b>	Specific Gravity Separator Gas <b>0.586</b>	<b>XXXXXXXXXX</b>
3.	<b>1.06</b>	<b>516</b>	<b>1.47</b>	<b>0.892</b>	Specific Gravity Flowing Fluid <b>XXXXXX</b>	<b>0.605</b>
4.	<b>1.08</b>	<b>520</b>	<b>1.59</b>	<b>0.895</b>	Critical Pressure <b>672</b> P.S.I.A.	P.S.I.A.
5.					Critical Temperature <b>350</b> R	R

P <sub>c</sub> <b>3172</b>		P <sub>c</sub> <sup>2</sup> <b>10061.5</b>	
NO.	P <sub>t</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>
1.		<b>3034.8</b>	<b>9210.0</b>
2.		<b>2877.1</b>	<b>8277.7</b>
3.		<b>2647.1</b>	<b>7007.1</b>
4.		<b>2411.0</b>	<b>5812.9</b>
5.			

$$1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.294$$

$$AOF = Q \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10.593$$

$$(2) \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.339$$

Absolute Open Flow <b>10,593</b> Mcfd @ 15.025	Angle of Slope $\theta$ <b>54.5</b>	Slope, n <b>.713</b>
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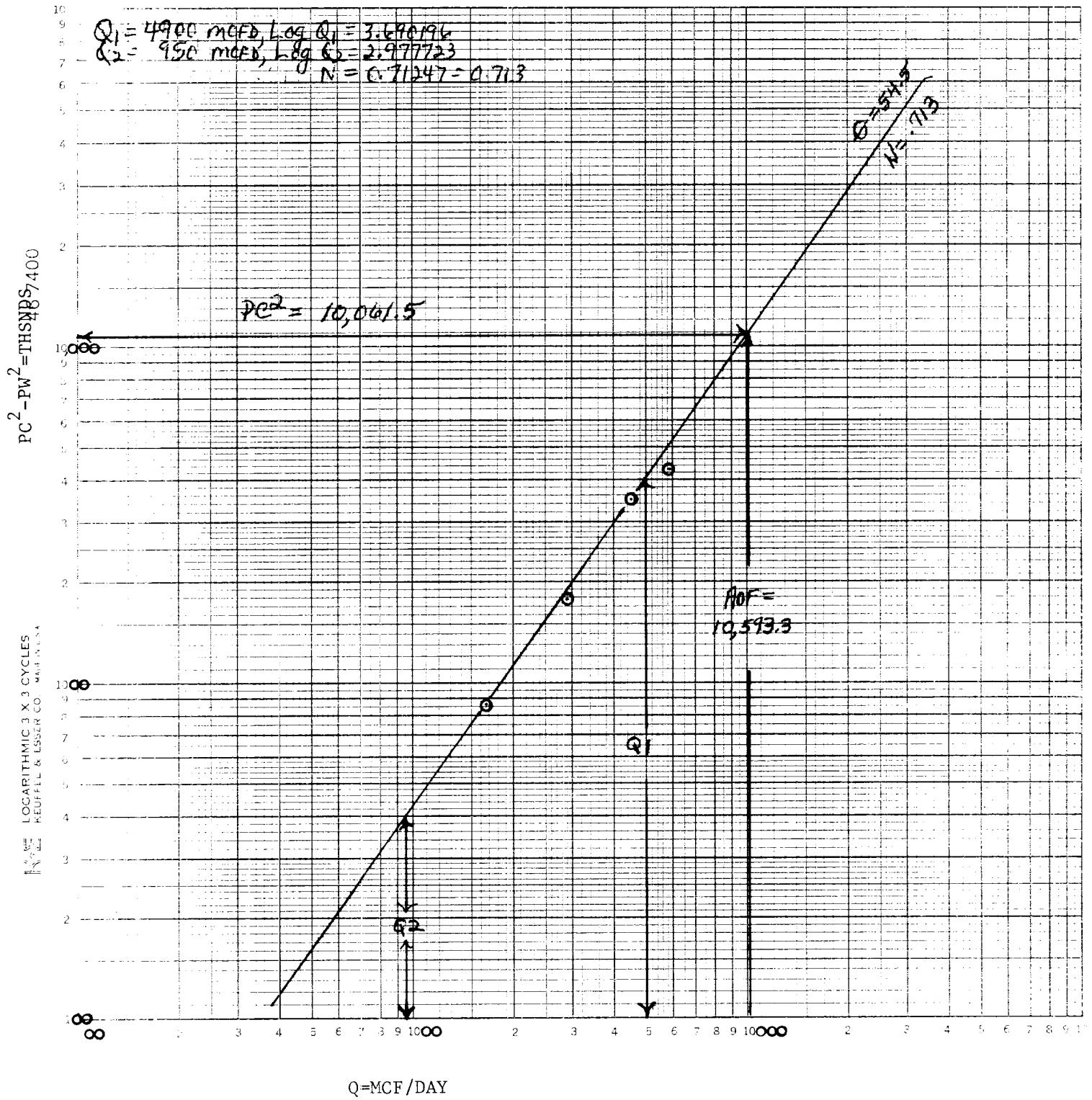
Remarks: **MADE FOUR BARRELS OF 54 GRAVITY CONDENSATE DURING TEST.**

Approved By Division	Conducted By: <b>JARRELL SVCS., INC.</b>	Calculated By: <b>GPW, JOHN WEST ENG.</b>	Checked By: <b>MCT</b>
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*Betty Sildon*  
Enron Oil & Gas Company

ENRON OIL AND GAS COMPANY  
 PURE GOLD B FEDERAL WELL NO. 2  
 UNIT 0, SEC. 17, TWP 23S, RGE 31E  
 MAY 11, 1993  
 EDDY COUNTY, NEW MEXICO



Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

OIL CONSERVATION DIVISION

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

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

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator Enron Oil & Gas Company		Well API No. 30-015-27270
Address P. O. Box 2267, Midland, Texas 79702		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Pure Gold B Federal	Well No. 2	Pool Name, Including Formation Los Medanos Morrow	Kind of Lease FED State, Federal or Fee	Lease No. NM 38463
Location Surface 0 : 10 Feet From The south Line and 2110 Feet From The east Line BHL: B 660 north 1980 east Sec 20 Section 17 Township 23S Range 31E, NMPM, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1188, Houston, Texas 77251					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P. O. Box 2267, Midland, Texas 79702					
If well produces oil or liquids, give location of tanks.	Unit 0	Sec. 17	Twp. 23S	Rge. 31E	Is gas actually connected? Yes	When? 4-4-93

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		X	X					
Date Spudded 12-29-92	Date Compl. Ready to Prod. 3-22-93	Total Depth 14,540		P.B.T.D. 14,525				
Elevations (DF, RKB, RT, GR, etc.) 3322' GR	Name of Producing Formation Morrow		Top Oil/Gas Pay 13964		Tubing Depth 2-7/8" At 13,710'			
Perforations 13,964'-13,976' ("A") & 14,412'-14,448' ("C")			Depth Casing Shoe					
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
17-1/2	13-3/8		600		625 Prem Plus			
12-1/4	9-5/8		4050		1800 Prem Plus			
8-1/2	7		11900		2010 HLC, 400 Prem Plus			
6-1/8	4-1/2" Liner		14537 TOL: 11532		400 Prem Plus			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.) Post ID-2 4-30-93 comp & B14	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D 5523	Length of Test 24 hours	Bbls. Condensate/MMCF 0	Gravity of Condensate -
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shut-in) 4200	Casing Pressure (Shut-in) 700	Choke Size 19/64

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature  
Betty Gildon, Regulatory Analyst  
Printed Name  
4/5/93  
Date  
915/686-3714  
Telephone No.

OIL CONSERVATION DIVISION

Date Approved APR 26 1993

By ORIGINAL SIGNED BY  
MIKE WILLIAMS  
Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

c15F

# ENRON

## Oil & Gas Company

P. O. Box 2267 Midland, Texas 79702 (915) 686-3600

April 5, 1993

New Mexico Oil Conservation Division  
Drawer DD  
Artesia, NM 88210

APR 15 1993

In Re: NOTICE OF GAS CONNECTION

Gentlemen:

This is to notify the Oil Conservation Division that connection  
for the purchase of gas from Enron Oil & Gas Company

<u>Pure Gold "B" #2</u>	<u>Operator</u>
<u>Lease &amp; Well</u>	<u>Eddy County</u>
<u>Surface Location:</u>	<u>County</u>
<u>0, Sec 17, T23S, R31E</u>	<u>Los Medanos (Morrow)</u>
<u>Unit S-T-R</u>	<u>Pool/Formation</u>

<u>Enron Oil &amp; Gas Company</u>	<u>4/3/93</u>
<u>Purchaser</u>	<u>Date</u>

Very truly yours,

ENRON OIL & GAS COMPANY

*Betty Gildon*

Betty Gildon  
Regulatory Analyst

cc: Oil Conservation Division  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Well File

bg



WELL NAME & NUMBER Pure G . B Fed. #2 NM 38463

LOCATION Sec. 20, T23S, R31E  
(Give Unit, Section, Township and Range)

OPERATOR Enron Oil & Gas P.O. Box 2267 Midland, Tx. 79702

DRILLING CONTRACTOR Grace Drilling Company P.O. Box 13480 Odessa, TX 79768

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>
<u>0.50 271</u>	<u>1.25 4025</u>	<u>13.75 6713</u>	<u>11.25 8480</u>
<u>1.25 910</u>	<u>0.50 4560</u>	<u>15.00 6807</u>	<u>10.00 8642</u>
<u>0.75 1209</u>	<u>1.00 5019</u>	<u>15.75 6870</u>	<u>9.50 8796</u>
<u>0.50 1685</u>	<u>1.20 5635</u>	<u>16.25 6957</u>	<u>8.25 8952</u>
<u>0.75 2178</u>	<u>1.70 5700</u>	<u>16.75 7051</u>	<u>8.50 9108</u>
<u>0.50 2604</u>	<u>2.50 5763</u>	<u>16.70 7146</u>	<u>7.25 9243</u>
<u>1.25 2812</u>	<u>4.50 5827</u>	<u>16.75 7314</u>	<u>5.75 9372</u>
<u>1.50 2919</u>	<u>8.75 5954</u>	<u>16.75 7442</u>	<u>4.25 9497</u>
<u>1.75 3014</u>	<u>9.00 6049</u>	<u>16.50 7505</u>	<u>2.50 9653</u>
<u>1.50 3109</u>	<u>9.50 6143</u>	<u>16.50 7630</u>	<u>2.50 9803</u>
<u>1.50 3204</u>	<u>10.00 6239</u>	<u>16.00 7789</u>	<u>2.50 9959</u>
<u>1.75 3552</u>	<u>10.00 6334</u>	<u>16.00 7947</u>	<u>2.00 10114</u>
<u>2.75 3773</u>	<u>10.75 6428</u>	<u>15.00 8043</u>	<u>2.50 10270</u>
<u>2.75 3867</u>	<u>11.25 6524</u>	<u>13.75 8169</u>	<u>2.50 10457</u>
<u>2.25 3930</u>	<u>12.75 6618</u>	<u>12.50 8325</u>	<u>2.25 10619</u>

Drilling Contractor Grace Drilling Company

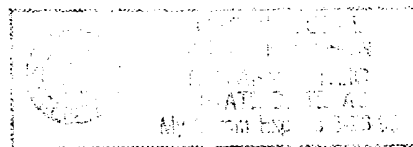
By [Signature]  
L. V. Bohannon, Drlg. Supt.

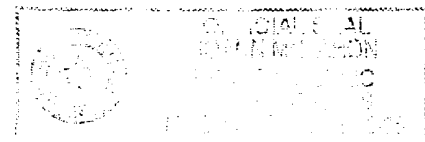
Subscribed and sworn to before me this 6 day of April, 19 93

Joann McMahon  
Notary Public

My Commission Expires \_\_\_\_\_

Ector County TX





sf

SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

ENRON OIL & GAS

Well Name : ENRON/PURE GOLD B FEDERAL #2  
Location : EDDY COUNTY, NEW MEXICO  
:  
:  
Date Surveyed : 3/15/93  
Job Number : 32G0393064  
Surveyor : RICK EATON

This survey is correct to the best of my knowledge  
and is supported by actual field data.

..... COMPANY REPRESENTATIVE

## SCIENTIFIC DRILLING INTERNATIONAL

Company : ENRON OIL & GAS  
 Well Name : ENRON/PURE GOLD B FEDERAL #2  
 Location : EDDY COUNTY, NEW MEXICO

Page 1 of 4  
 Date 3/15/93  
 Filename : PGOLDB#2

No Interpolation

MD	INC	DIR	TVD	LAT	DEP	VS	D'LEG
ft	deg	deg	ft	ft	ft	ft	°/100
0.0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100.0	0.97	S48.43°E	100.00	-0.56	0.63	0.53	1.0
200.0	0.94	N17.91°E	199.99	-0.34	1.52	0.28	1.6
300.0	1.25	S72.09°W	299.98	0.10	0.73	-0.13	2.0
400.0	0.47	N11.61°E	399.97	0.17	-0.22	-0.16	1.5
500.0	0.72	N48.89°W	499.97	0.98	-0.61	-0.96	0.6
600.0	2.15	S45.67°W	599.94	0.09	-2.43	0.00	2.2
700.0	2.88	S31.25°W	699.84	-3.37	-5.07	3.58	1.0
800.0	0.71	S46.29°W	799.79	-5.95	-6.83	6.23	2.2
900.0	1.01	S12.46°E	899.78	-7.24	-7.08	7.53	0.9
1000.0	1.65	S17.58°W	999.75	-9.47	-7.33	9.77	0.9
1100.0	0.29	S32.78°E	1099.74	-11.06	-7.63	11.37	1.5
1200.0	0.90	S23.86°E	1199.73	-11.99	-7.17	12.28	0.6
1300.0	1.12	S55.87°W	1299.72	-13.25	-7.66	13.56	1.3
1400.0	0.76	S74.15°E	1399.71	-13.98	-7.83	14.30	1.7
1500.0	1.07	S 7.43°W	1499.70	-15.09	-7.32	15.38	1.2
1600.0	0.36	N43.06°W	1599.70	-15.79	-7.65	16.09	1.3
1700.0	1.06	S 8.33°W	1699.69	-16.47	-8.00	16.79	1.3
1800.0	0.66	S76.18°W	1799.69	-17.53	-8.69	17.87	1.0
1900.0	0.71	S83.80°E	1899.68	-17.73	-8.64	18.08	1.3
2000.0	1.02	S15.89°E	1999.67	-18.65	-7.78	18.96	1.0
2100.0	0.63	S68.89°W	2099.67	-19.71	-8.05	20.03	1.1
2200.0	0.29	N65.50°W	2199.66	-19.80	-8.79	20.15	0.5
2300.0	1.04	S 8.49°E	2299.66	-20.59	-8.89	20.95	1.2
2400.0	0.37	N62.61°E	2399.65	-21.34	-8.46	21.68	1.2
2500.0	1.02	S28.79°W	2499.65	-21.97	-8.61	22.31	1.3
2600.0	0.68	S83.50°E	2599.64	-22.82	-8.45	23.15	1.4
2700.0	0.63	S50.69°E	2699.64	-23.24	-7.43	23.53	0.4
2800.0	1.62	S54.53°W	2799.62	-24.40	-8.16	24.72	1.9
2900.0	2.08	S30.98°W	2899.57	-26.78	-10.24	27.19	0.9
3000.0	1.45	S67.86°W	2999.52	-28.81	-12.35	29.31	1.3
3100.0	1.78	S60.92°W	3099.49	-30.05	-14.88	30.64	0.4
3200.0	1.68	S63.19°W	3199.44	-31.46	-17.54	32.17	0.1
3300.0	0.89	S47.43°W	3299.41	-32.65	-19.42	33.43	0.9
3400.0	2.34	S49.26°E	3399.38	-34.51	-18.45	35.25	2.6
3500.0	1.12	S40.10°E	3499.34	-36.59	-16.27	37.24	1.2
3600.0	1.72	S22.89°E	3599.30	-38.72	-15.06	39.31	0.7
3700.0	2.96	S28.42°E	3699.22	-42.37	-13.25	42.89	1.3
3800.0	2.65	S52.09°E	3799.10	-46.06	-10.19	46.45	1.2
3900.0	2.98	S27.37°E	3898.99	-49.79	-7.17	50.05	1.2

## SCIENTIFIC DRILLING INTERNATIONAL

Company : ENRON OIL & GAS  
 Well Name : ENRON/PURE GOLD B FEDERAL #2  
 Location : EDDY COUNTY, NEW MEXICO

Page 2 of 4  
 Date 3/15/93  
 Filename : PGOLDB#2

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	LAT ft	DEP ft	VS ft	D'LEG °/100
4000.0	0.87	S 2.22°E	3998.93	-52.86	-5.95	53.06	2.2
4100.0	0.29	N85.57°E	4098.92	-53.60	-5.67	53.79	0.9
4200.0	1.32	S30.87°E	4198.91	-54.57	-4.82	54.72	1.2
4300.0	1.40	S24.61°E	4298.88	-56.66	-3.72	56.77	0.2
4400.0	0.65	S38.29°W	4398.87	-58.22	-3.57	58.32	1.2
4500.0	1.37	S17.57°E	4498.85	-59.81	-3.56	59.90	1.1
4600.0	1.41	S 4.26°E	4598.83	-62.17	-3.11	62.25	0.3
4700.0	0.91	S34.38°W	4698.81	-64.05	-3.46	64.14	0.9
4800.0	1.29	S 3.17°W	4798.79	-65.83	-3.97	65.94	0.7
4900.0	0.08	N86.68°E	4898.78	-66.95	-3.97	67.06	1.3
5000.0	0.22	N88.30°W	4998.78	-66.94	-4.09	67.06	0.3
5100.0	1.11	S37.54°W	5098.77	-67.71	-4.87	67.85	1.0
5200.0	1.03	S47.97°E	5198.76	-69.08	-4.79	69.22	1.5
5300.0	0.56	S71.78°W	5298.75	-69.83	-4.59	69.96	1.4
5400.0	1.15	S29.59°W	5398.74	-70.86	-5.55	71.03	0.8
5500.0	1.05	S40.17°W	5498.73	-72.43	-6.64	72.64	0.2
5550.0	1.31	S17.99°W	5548.71	-73.32	-7.11	73.56	1.0
5600.0	0.38	S16.18°W	5598.71	-74.03	-7.33	74.27	1.9
5700.0	0.35	N57.88°W	5698.71	-74.18	-7.68	74.44	0.6
5800.0	3.22	S 6.99°W	5798.66	-76.81	-8.28	77.09	3.4
5900.0	7.57	S 4.55°E	5898.19	-86.17	-8.10	86.43	4.5
6000.0	8.59	S 5.55°E	5997.20	-100.17	-6.86	100.36	1.0
6100.0	8.96	S 8.02°E	6096.03	-115.31	-5.05	115.42	0.5
6200.0	9.17	S12.08°E	6194.78	-130.81	-2.29	130.79	0.7
6300.0	9.67	S15.14°E	6293.43	-146.71	1.57	146.52	0.7
6400.0	10.34	S18.00°E	6391.91	-163.35	6.53	162.94	0.8
6500.0	11.07	S23.21°E	6490.17	-180.71	13.09	180.01	1.2
6600.0	12.10	S26.01°E	6588.13	-198.96	21.47	197.88	1.2
6700.0	13.07	S29.80°E	6685.73	-218.19	31.69	216.67	1.3
6800.0	14.43	S35.84°E	6782.87	-238.10	44.60	236.03	2.0
6900.0	15.60	S37.78°E	6879.46	-258.83	60.14	256.09	1.3
7000.0	16.66	S28.37°E	6975.53	-282.08	75.19	278.68	2.8
7100.0	17.09	S11.92°E	7071.28	-309.08	85.04	305.25	4.8
7200.0	16.94	S 5.41°W	7166.97	-337.98	86.70	334.05	5.1
7300.0	16.55	S17.20°W	7262.76	-366.10	81.12	362.38	3.4
7400.0	16.75	S16.56°W	7358.56	-393.52	72.80	390.12	0.3
7500.0	16.45	S15.68°W	7454.40	-420.96	64.86	417.88	0.4
7600.0	16.13	S14.81°W	7550.38	-448.02	57.49	445.22	0.4
7700.0	16.33	S13.76°W	7646.40	-475.11	50.59	472.57	0.4
7800.0	16.20	S11.23°W	7742.40	-502.45	44.53	500.14	0.7

## SCIENTIFIC DRILLING INTERNATIONAL

Company : ENRON OIL & GAS  
 Well Name : ENRON/PURE GOLD B FEDERAL #2  
 Location : EDDY COUNTY, NEW MEXICO

Page 3 of 4  
 Date 3/15/93  
 Filename : PGOLDB#2

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	LAT ft	DEP ft	VS ft	D'LEG °/100
7900.0	15.96	S10.40°W	7838.48	-529.65	39.33	527.54	0.3
8000.0	15.98	S 8.67°W	7934.62	-556.78	34.78	554.84	0.5
8100.0	14.60	S 9.83°W	8031.08	-582.81	30.55	581.02	1.4
8200.0	13.60	S 7.71°W	8128.07	-606.88	26.82	605.22	1.1
8300.0	12.56	S 5.79°W	8225.47	-629.35	24.15	627.78	1.1
8400.0	11.85	S 7.18°W	8323.21	-650.35	21.77	648.87	0.8
8500.0	11.04	S 5.39°W	8421.22	-670.07	19.58	668.66	0.9
8600.0	10.12	S 2.45°W	8519.52	-688.38	18.31	687.01	1.1
8700.0	9.52	S 0.25°W	8618.06	-705.43	17.90	704.06	0.7
8800.0	9.14	S 2.12°E	8716.74	-721.64	18.15	720.24	0.5
8900.0	8.79	S 3.22°E	8815.51	-737.20	18.88	735.77	0.4
9000.0	8.63	S 2.15°E	8914.36	-752.33	19.59	750.85	0.2
9100.0	8.40	S 0.11°E	9013.26	-767.13	19.88	765.62	0.4
9200.0	8.25	S 0.23°W	9112.21	-781.61	19.87	780.09	0.2
9300.0	6.73	S 1.33°E	9211.35	-794.64	19.98	793.11	1.5
9400.0	5.53	S 2.21°E	9310.78	-805.32	20.30	803.76	1.2
9500.0	4.45	S 5.86°E	9410.40	-813.99	20.88	812.40	1.1
9600.0	3.41	S 2.86°E	9510.16	-820.82	21.42	819.20	1.1
9700.0	2.46	S 3.90°E	9610.03	-825.93	21.72	824.30	1.0
9800.0	2.28	S 0.94°W	9709.94	-830.06	21.83	828.42	0.3
9900.0	2.34	S 4.10°E	9809.86	-834.09	21.94	832.44	0.2
10000.0	2.18	S12.41°E	9909.78	-837.98	22.50	836.30	0.4
10100.0	1.72	S11.10°E	10009.72	-841.31	23.20	839.60	0.5
10200.0	1.78	S13.87°E	10109.68	-844.29	23.86	842.55	0.1
10300.0	2.54	S28.49°E	10209.61	-847.75	25.29	845.94	0.9
10400.0	2.76	S23.10°E	10309.50	-851.91	27.29	850.02	0.3
10500.0	2.50	S26.76°E	10409.39	-856.07	29.22	854.10	0.3
10600.0	2.29	S13.86°E	10509.31	-859.96	30.68	857.92	0.6
10700.0	1.38	S12.67°E	10609.25	-863.07	31.42	861.00	0.9
10800.0	0.93	S44.69°E	10709.24	-864.82	32.25	862.71	0.8
10900.0	0.91	S71.03°E	10809.22	-865.66	33.58	863.49	0.4
11000.0	0.50	S50.79°E	10909.21	-866.19	34.66	863.98	0.5
11100.0	0.23	S36.35°E	11009.21	-866.63	35.12	864.40	0.3
11200.0	0.30	S 1.02°E	11109.21	-867.05	35.25	864.82	0.2
11300.0	0.50	S17.02°W	11209.21	-867.73	35.12	865.50	0.2
11400.0	0.46	S 9.41°W	11309.21	-868.55	34.93	866.32	0.1
11500.0	0.73	S22.93°W	11409.20	-869.53	34.62	867.32	0.3
11600.0	0.98	S46.87°W	11509.19	-870.70	33.74	868.52	0.4
11700.0	1.32	S52.61°W	11609.17	-871.98	32.20	869.87	0.4
11800.0	1.39	S44.83°W	11709.14	-873.54	30.43	871.50	0.2

## SCIENTIFIC DRILLING INTERNATIONAL

Company : ENRON OIL & GAS  
 Well Name : ENRON/PURE GOLD B FEDERAL #2  
 Location : EDDY COUNTY, NEW MEXICO

Page 4 of 4  
 Date 3/15/93  
 Filename : PGOLDB#2

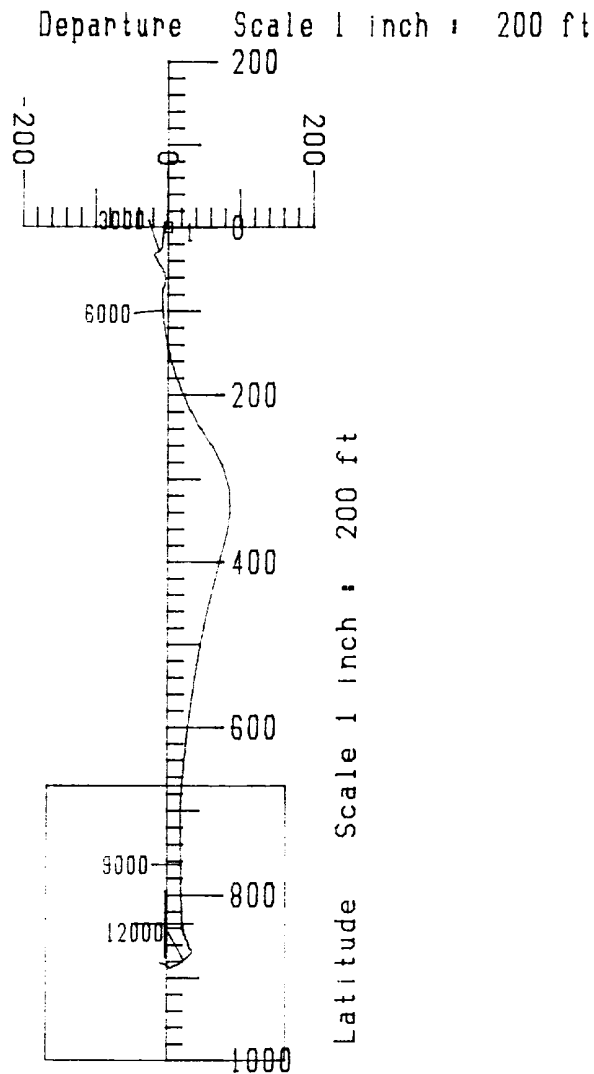
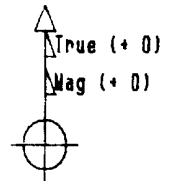
No Interpolation

MD ft	INC deg	DIR deg	TVD ft	LAT ft	DEP ft	VS ft	D'LEG °/100
11900.0	1.43	S49.28°W	11809.11	-875.22	28.63	873.25	0.1
12006.0	1.81	S55.73°W	11915.07	-877.02	26.25	875.15	0.4
12101.0	2.03	S56.02°W	12010.01	-878.81	23.61	877.05	0.2
12196.0	1.37	S54.39°W	12104.97	-880.41	21.29	878.75	0.7
12291.0	1.17	S55.00°W	12199.95	-881.63	19.58	880.03	0.2
12387.0	1.21	S55.82°W	12295.93	-882.76	17.93	881.23	0.0
12482.0	1.04	S53.55°W	12390.91	-883.83	16.41	882.37	0.2
12577.0	0.87	S69.41°W	12485.90	-884.60	15.04	883.19	0.3
12672.0	0.83	S73.70°W	12580.89	-885.05	13.71	883.70	0.1
12767.0	0.74	S61.81°W	12675.88	-885.53	12.51	884.23	0.2
12862.0	0.59	S85.49°W	12770.87	-885.86	11.48	884.60	0.3
12957.0	0.60	N85.16°W	12865.87	-885.85	10.49	884.64	0.1
13052.0	0.62	S78.34°W	12960.86	-885.92	9.49	884.74	0.2
13147.0	0.75	S65.80°W	13055.85	-886.28	8.42	885.15	0.2
13243.0	0.72	S49.00°W	13151.85	-886.93	7.40	885.84	0.2
13338.0	0.69	S32.59°W	13246.84	-887.80	6.64	886.75	0.2
13433.0	0.51	S52.13°W	13341.83	-888.54	6.00	887.51	0.3
13528.0	0.40	S61.12°W	13436.83	-888.96	5.37	887.96	0.1
13623.0	0.39	S86.20°W	13531.83	-889.15	4.76	888.17	0.2
13718.0	0.56	N59.14°W	13626.83	-888.93	4.04	887.98	0.3
13813.0	0.82	N55.70°W	13721.82	-888.31	3.08	887.40	0.3
13908.0	0.93	N50.32°W	13816.81	-887.43	1.92	886.57	0.1
14003.0	1.09	N48.54°W	13911.79	-886.34	0.65	885.54	0.2
14099.0	1.06	N57.81°W	14007.78	-885.26	-0.78	884.52	0.2
14194.0	1.28	N66.68°W	14102.76	-884.38	-2.50	883.70	0.3
14289.0	1.50	N72.02°W	14197.73	-883.57	-4.66	882.99	0.3
14384.0	1.48	N77.12°W	14292.70	-882.91	-7.04	882.43	0.1
14479.0	1.46	N79.10°W	14387.67	-882.41	-9.42	882.03	0.1

Origin of Bottom Hole Closure PLATFORM CENTRE  
 Bottom Hole Closure 882 ft S 0.61°W



SCIENTIFIC DRILLING INTERNATIONAL  
FOR  
ENRON OIL & GAS COMPANY  
PURE GOLD & FEDERAL #2  
IN  
EDDY COUNTY, TEXAS

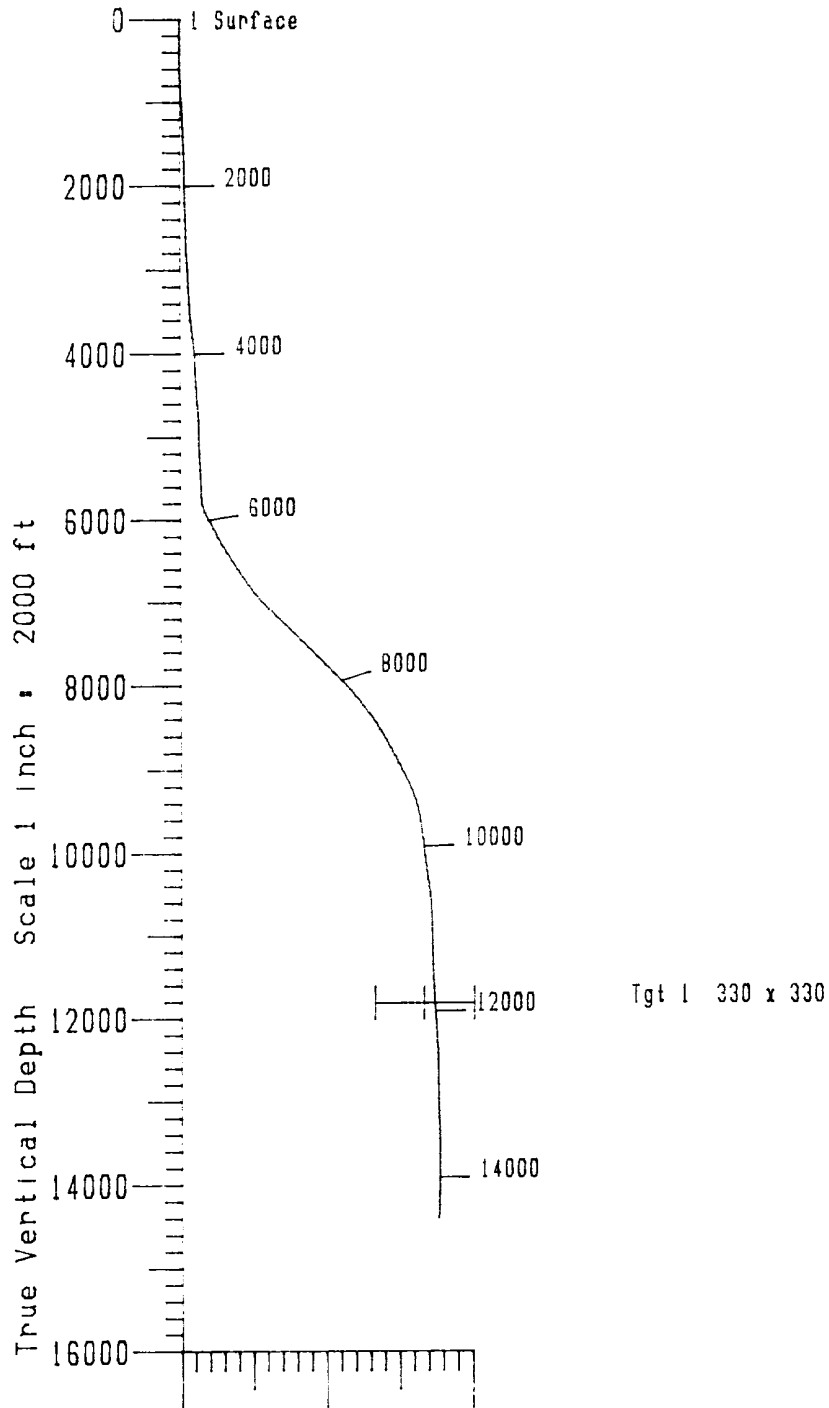
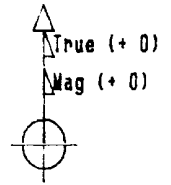


PLANE OF VERT SECTn S02 24W





SCIENTIFIC DRILLING INTERNATIONAL  
FOR  
ENRON OIL & GAS COMPANY  
PURE GOLD B FEDERAL #2  
IN  
EDDY COUNTY, TEXAS



PLANE OF VERT SECTn 00 S02 24W

SEC 17 TWN 23 RGE 31

API # 30-015-27270

OPERATOR Enron 046

WELL NAME PURE GOLD "B" FED #2

STATE OGD TOPS AS PER MA

DATE 4-8-93

### Southeastern New Mexico

T. Anhy RUSLER 400  
 T. Salt SALADO 730  
 T. Salt 3845  
 T. Yates  
 T. 7 Rivers  
 T. Queen  
 T. Grayburg  
 T. San Andres  
 T. Glorietta  
 T. Paddock  
 T. Blinebry  
 T. Tubb  
 T. Drinkard  
 T. Abo  
 T. Wolfcamp 1170  
 T. Perm 12738  
 T. Cisco (Bough C)

T. Canyon  
 T. Strawn 12932  
 T. Atoka 13060  
 T. Miss  
 T. Devonian  
 T. Silurian  
 T. Monroya  
 T. Simpson  
 T. McKee  
 T. Ellenburger  
 T. Gr. Wash  
 T. Delaware Sand  
 T. Bone Springs 8005  
 T. LAMAR LIMC 4075  
 T. BELL C. 4103  
 T. CHERRY C. 5022  
 T. MORROW LS 13962  
 MORROW LS 14242

### Northwestern New Mexico

T. Ojo Alamo  
 T. Kirtland-Fruitland  
 T. Picomaci Cliffs  
 T. Cliff House  
 T. Menefee  
 T. Point Lookout  
 T. Mancos  
 T. Gallup  
 Base Greenhorn  
 T. Dakota  
 T. Morrison  
 T. Todillo  
 T. Escalada  
 T. Wingate  
 T. Chinle  
 T. Permian  
 T. Perm "A"  
 T. Perm "B"  
 T. Perm "C"  
 T. Perm "D"  
 T. Leadville  
 T. Madison  
 T. Elbert  
 T. McCracken  
 T. Ignacio Ortiz  
 T. Granite  
 T.  
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### OIL OR GAS SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet

REMARKS :

Form 3160-5  
November 1983  
Formerly O-1011

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NM OIL CONS. COMM. SUBMIT IN TRIP. ATES  
Artesia, NM 88210

Form approved.  
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.

1. NAME OF OPERATOR Enron Oil & Gas Company	2. ADDRESS OF OPERATOR P. O. Box 2267, Midland, Texas 79702	3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface BHL: 660' FNL & 1980' FEL, Sec 20, T23S, R31E Surface: 10' FSL & 2110' FEL, Sec 17, T23S, R31E	4. PERMIT NO.	5. ELEVATIONS (Show whether OF, RT, GR, etc.) 3333' GL at surface	6. LEASE DESIGNATION AND SERIAL NO. NM 38463	7. IF INDIAN, ALLOTTEE OR TRIBE NAME	8. UNIT AGREEMENT NAME	9. FARM OR LEASE NAME Pure Gold B Federal	10. WELL NO. 2	11. FIELD AND POOL, OR WILDCAT Los Medanos Morrow/Atoka	12. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 17, T23S, R31E	13. COUNTY OR PARISH Eddy	14. STATE NM
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Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF: 2/15/93

TEST WATER SHUT-OFF	PULL OR ALTER CASING
FRACTURE TREAT	MULTIPLE COMPLETION
SHOOT OR ACIDIZE	ABANDON*
REPAIR WELL	CHANGE PLANS
(OTHER)	

WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREATMENT	ALTERING CASING
SHOOTING OR ACIDIZING	ABANDONMENT*
(Other) Casing test & cement job	X

(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.\*

3-17-93 - Ran 75 joints 4-1/2" 15.1# P-110 & C-75 Liner set at 14,537'.

TOL at 11,532'.

Cemented with 490 sacks prem w/6/10% gas stop, 5/10% CRF-3, 3/10% HR-5, 3% KCl, 16.4#, 1.09 cuft/sx.

30 minutes pressure tested to 3200#, OK. WOC - 24 hours.

RECEIVED  
MAR 19 11 05 AM '93  
CARTER  
ARTESIA

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

SIGNED Betty Gordon TITLE Regulatory Analyst DATE 3/18/93

This space for Federal or State office use

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

ASF

# 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 ☐ GAS WELL ☒ OTHER ☐  
2. NAME OF OPERATOR  
Enron Oil & Gas Company  
3. ADDRESS OF OPERATOR  
P. O. Box 2267, Midland, Texas 79702  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
BHL: 660' FNL & 1980' FEL, Sec. 20, T23S, R31E  
Surface: 10' FSL & 2110' FEL, Sec. 17, T23S, R31E  
14. PERMIT NO.  
15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3333' GL at surface

5. LEASE DESIGNATION AND SERIAL NO.  
NM 38463  
6. IF INDIAN ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Pure Gold B Federal  
9. WELL NO.  
2  
10. FIELD AND POOL, OR WILDCAT  
Los Medanos Morrow/Atoka  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 17, T23S, R31E  
12. COUNTY OR PARISH  
Eddy  
13. STATE  
NM

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

### NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF: 1/12/93

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐  
FRACTURE TREAT ☐ MULTIPLE COMPLETION ☐  
SHOOT OR ACIDIZE ☐ ABANDON\* ☐  
REPAIR WELL ☐ CHANGE PLANS ☐  
(Other)

WATER SHUT-OFF ☐ REPAIRING WELL ☐  
FRACTURE TREATMENT ☐ ALTERING CASING ☐  
SHOOTING OR ACIDIZING ☐ ABANDONMENT\* ☐  
(Other) Casing test & cement job ☒

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.)

2-12-93 - Ran 109 joints 7" 26# N-80 BUTT & 178 joints 7" 29# N-80 ST&C & LT&C Casing set at 11,900'

### Cement 1st Stage:

Mix & pump 1010 sacks HLC, .6% Hal-322, 12.7#, 1.84 cuft/sx  
Mix & Pump 300 sacks Prem cement, 2.4# salt, .5% Hal-22A, 2% CFR-3, 15.6#, 1.18 cuft/sx  
30 minutes pressure tested to 1000 psi, OK.

Circulated 8-1/2 hrs between stages, circ out 180 sacks cement.

### Cement 2nd Stage:

Mix & pump 1000 sacks HLC, 5# salt, 1/4# FC, 12.4#, 2.02 cuft/sx  
Mix & pump 100 sacks Prem cement, .6% Hal-322, 2.4# salt, 14.8#, 1.32 cuft/sx.  
Circulate 110 sacks cement. 30 minutes pressure tested to 3500#, DV tool held OK.

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

SIGNED

Betty Gildon

TITLE

Regulatory Analyst

DATE

2/15/93

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

DAVID R. GLASS

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
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.)

1. NAME OF OPERATOR Enron Oil & Gas Company ✓	2. ADDRESS OF OPERATOR P. O. Box 2267, Midland, Texas 79702	3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  BHL: 660' FNL & 1980' FEL, Sec. 20, T23S, R31E Surface: 10' FSL & 2110' FEL of Sec. 17, T23S, R31E	4. PERMIT NO. 30-C15-27270	5. ELEVATIONS (Show whether DF, RT, GR, etc.) 3333' GL at surface location	6. LEASE DESIGNATION AND SERIAL NO. NM 38463	7. IF INDIAN, ALLOTTEE OR TRIBE NAME	8. UNIT AGREEMENT NAME	9. FARM OR LEASE NAME Pure Gold B Federal	10. WELL NO. 2	11. FIELD AND POOL, OR WILDCAT Los Medanos Morrow/Atoka	12. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 17, T23S, R31E	13. COUNTY OR PARISH Eddy	14. STATE NM
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15.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETION	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) Casing Test & Cement Job	<input checked="" type="checkbox"/>		

(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.)\*

12-29-92 - Spud 10:15 am.

12-29-92 - Ran 14 joints 13-3/8" 48# H-40 ST&C casing set at 600'.

Mix & pump 625 sacks Prem Plus cement w/2% CaCl. Circulated 160 sacks cement.

1/2 hour pressure tested to 650 psi, OK. WOC - 20 hours.

1-7-93 - Ran 88 jts 9-5/8" 40# J-55 LT&C casing set at 4050'.

Mix & pump 1500 sacks Prem, HLC, 10# salt, 1/4# FC, 12.7 ppg, 5# Gilsonite;  
Tail with 300 sacks Prem Plus, 2% CaCl, 1.32 cuft/sx, 14.8 ppg. Circulated 146 sacks cement.

1/2 hour pressure tested to 1200 psi, OK; WOC - 19-1/4 hours.

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

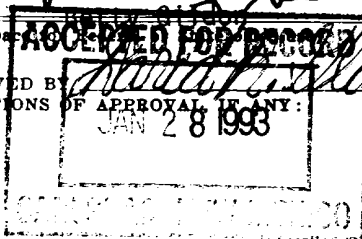
SIGNED Betty Seldon TITLE Regulatory Analyst

DATE 1/12/93

(This space is for use by the Bureau of Land Management)

APPROVED BY [Signature] TITLE Supervisor

DATE 1-28-93



\*See Instructions on Reverse Side

RECEIVED

DEC 15 1992

O. C. D.  
ARTES A. SERVICE

3160(067)  
NM-38463

CCC-11-24-92

DEC 18 1992

ROB m 12-8-92  
Rwm 12-15-92

CERTIFIED--RETURN RECEIPT REQUESTED  
P 864 873 068

Enron Oil & Gas Company  
Attention: Betty Gildon  
P.O. Box 2267  
Midland, TX 79702

*fm lone*  
12-15-92

RE: Pure Gold B Federal Well No. 2  
NM-38463  
Surface: 10' FSL & 2110' FEL, Sec. 17, T23S, R31E  
BHL: 660' FNL & 1980' FEL, Sec. 20, T23S, R31E  
Eddy County, New Mexico

Dear Ms. Gildon:

On November 12, 1992, Enron Oil & Gas Company filed an Application for Permit to Drill (APD) at the above referenced location. I am pleased to approve your APD at the present location. Your copy of the APD, with attached stipulations, is enclosed.

Through our analysis of the APD, we have determined that the well site is located a sufficient distance from the ore zones that potash resources should not be impacted.

If you need any additional information, please contact Tony Herrell in the Carlsbad Resource Area at (505) 887-6544.

Sincerely,

Larry L. Woodard

Larry L. Woodard  
State Director

1 Enclosure

bcc:

NM (910, L. Woodard)  
NM (920, R. Smith)  
NM (060, A. Lopez)  
NM (060, L. Cone)  
NM (067, T. Herrell)

067:CCranston:ls:11/20/92:A:\20gold#2.AL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Enron Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

BHL: 660' FNL & 1700' FEL

KOP @ 5800'

At proposed prod. zone

SURFACE: 660' FNL & 1700' FEL-10'/S & 2110'/E of Sec 20, T23S, R31E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

17 miles east from Loving

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

660'

(Also to nearest drilg. unit line, if any)

660'

19. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

2640'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

320 N/2

19. PROPOSED DEPTH

14400' Morrow TVD

13200' Atoka

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3322' GL

22. APPROX. DATE WORK WILL START\*

23.

PROPOSED CASING AND CEMENTING PROGRAM Secretary's Potash / 4-111-P Potash

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48#	500	550 Sacks CIRCULATED
12-1/4	9-5/8	40#	3750	775 Sacks CIRCULATED
8-1/2	7	26#	11800	550 sacks top at ± 7000 (tieback)
6-1/8	4-1/2 Liner	15.10#	14400	250 sacks top at 11500'

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Betty Gildon

TITLE

Regulatory Analyst

DATE

9/21/92

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

12-18-92

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

ATTACHED AND NON-MACD'S R11-P, as applicable. 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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**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

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the section.

Operator <b>ENRON OIL &amp; GAS COMPANY</b>			Lease <b>PURE GOLD 'B'</b>		Well No. <b>2</b>
Unit Letter <b>0</b>	Section <b>17</b>	Township <b>23 SOUTH</b>	Range <b>31 EAST, N.M.P.M.</b>	County <b>EDDY</b>	
Actual Footage Location of Well					
10' feet from the <b>SOUTH</b> line and		2110' feet from the <b>EAST</b> line			
Ground Level Elev. <b>3333'</b>	Producing Formation <b>Morrow/Atoka</b>		Pool <b>Los Medanos</b>	North 1/2 320 in sec 20 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all the owners been consolidated by communitization, unitization, forced-pooling, etc.?  
☐ Yes ☐ No If answer is "yes", type of consolidation \_\_\_\_\_  
If the answer is "no", list the owners and tract descriptions which have actually been consolidated. (Use the reverse side of this form if necessary.) \_\_\_\_\_  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the division.

**OPERATOR CERTIFICATION**

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

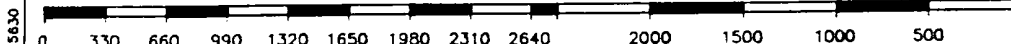
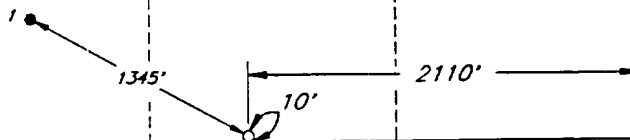
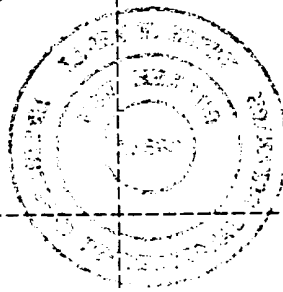
Signature  
*Betty Gildon*  
Printed Name  
**Betty Gildon**  
Position  
**Regulatory Analyst**  
Company  
**Enron Oil & Gas Company**  
Date  
**11/24/92**

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**NOVEMBER 13, 1992**  
Signature and Seal of Professional Surveyor  
*Larry W. Busby*  
Certificate No.  
**LARRY W. BUSBY R.P.S. #11398**  
JOB NO. 92396 V.H.B.

**NOTE:**  
This plat does not reflect bottomhole location of deviated well. See location revision attached to surface use plan. (SJS)





## DRILLING PROGRAM

Enron Oil & Gas Company  
Pure Gold "B" Federal, Well No. 2  
660' FNL & 1700' FEL  
Sec. 20, T23S, R31E  
Eddy County, New Mexico

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Important Geologic Markers:

Rustler	710'
Delaware	4,060'
Lower Brushy Canyon Marker	7,650'
Bone Spring	7,920'
Wolfcamp	11,420'
Strawn	12,830'
Atoka	13,175'
Morrow Lime	13,750'
Morrow Clastics	13,840'
Lower Morrow	14,670'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Upper Permian Sands	100'	Fresh Water
Delaware	4,060'	Oil
Bone Spring	7,920'	Gas
Wolfcamp	11,420'	Gas
Strawn	12,830'	Gas
Atoka	13,175'	Gas
Morrow Lime	13,750'	Gas
Morrow Clastics	13,850'	Gas
Lower Morrow	14,670'	Gas

No other formations are expected to give up oil, gas or fresh water measurable quantities. The surface fresh water sands will be protected setting 13-3/8" casing at 500' and circulating cement back to surface. Potash will be protected by setting 9-5/8" casing at 3750' and circulating cement back to surface.

ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal #2  
Page 2

4. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD csg</u>	<u>Weight Grade Jt. Cond. Type</u>
17-1/2	0- 500'	13-3/8	48# K-55 or J-55 ST&C
12-1/4	0- 3750'	9-5/8	36# & 40# K-55 or J-55 LT&C
8-1/2	0-11800'	7	23# & 26# N-80 LT&C
6-1/8	0-14400'	4-1/2	15.10# K-55 & L-80 LT&C

Cementing Program:

13-3/8" surface casing: Cement to surface with 525 sx of Class C + 2% CaCl<sub>2</sub> + 1/4#/sx flocele.

9-5/8" intermediate: Cement to surface with 700 sx of Premium Plus lite + 15#/sx salt + 1/4#/sx Flocele and 300 sx Cl C + 2% CaCl<sub>2</sub>

7" production casing: Cement with 700 sx 50/50 Cl H/Poz + 0.8% Halad 9 + 1/4#/sx Flocele. This cement slurry is designed to bring TOC to 7000'. Shallower productive zones will be cemented by placing a cementing stage tool below the zone of interest if necessary and cementing with a similar type of cement.

SEE  
STIPS  
(SOS)

4-1/2" liner: Cement with 250 sx Premium cmt containing 5# Microbond M, 0.6% Gasstop, 5# KCl & 0.6% Halad-413. This cement blend was designed to circulate from 14,400' to +/- 11,500'. The calculations incorporate 50% excess.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000 psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All will be installed on the 13-3/8" surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface casing. Before drilling out of intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000 psi and the hydril to 70% of rated working pressure (2100 psi).

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and 4" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 5000 psi WP rating.

ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal #2  
Page 3

6. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with a combination of brine, cut brine, and polymer/KCl mud system. The applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity (sec)</u>	<u>Waterloss (cc)</u>
0-500'	Fresh water (spud)	8.5	40-45	N.C.
500'-3750'	Brine water	10.0	30	N.C.
3750'-TD	Cut Brine & polymer/KCL	8.8-9.2	28	N.C.

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) An electronic pit-volume-totalizer system will be used continuously below 8000' to monitor the mud and pump system. The drilling fluids system will also be visually monitored at all times.
- (D) A mud logging unit complete with H2S detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 3600' to TD.

ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal #2  
Page 4

8. Logging, Testing and Coring Program:

- (A) Drillstem tests will be run on the basis of drilling shows.
- (B) The electric logging program will consist of GR-Dual Laterolog-MSFL and GR-Compensated Density-Neutron from TD to intermediate casing with a GR-Compensated Neutron ran from intermediate casing to surface.
- (C) No coring is anticipated.

9. Abnormal Conditions, Pressures, Temperatures, & Potential Hazards:

No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature (BHT) at TD is 205 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 8950 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

Anticipated Starting Date and Duration of Operations:

Road and location work will not begin until approval has been received from the BLM. Anticipated spud date is unknown at the present time. Once drilling has commenced, the drilling operation should be finished in approximately 45 days. If the well is productive, an additional 30 to 45 days will be required for completion and testing before a decision is made to install permanent facilities.

ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal, Well No. 2  
660' FNL & 1700' FEL  
Sec. 20, T23S, R31E  
Eddy County, New Mexico

SURFACE USE AND OPERATIONS PLAN

1. Existing Roads:

Highway 128 runs NWSE and is located just to the south of proposed location.

Access to location will be made as shown on Exhibit #2 from an existing lease road running north and south in Sec 21, and intersecting Highway 128.

Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

2. Proposed Access Road:

Exhibit #2 shows the 400' of new access road to be constructed (highlighted in red). Proposed road will measure 20' in width. Surface material will consist of six (6) inches of caliche, water compacted and graded with a minimum grade of 3 percent. Drainage will have a drop of 6 inches from the center line on each side.

No turnouts are planned.

No culverts, cattleguards, gates, low-water crossings, or fence cuts are necessary.

Surfacing material will consist of native caliche to be obtained from the nearest BLM-approved caliche pit. Any additional materials required will be purchased from the dirt contractor.

3. Location of Existing Wells:

Exhibit #3 shows all existing wells within a one-mile radius of this well.

4. Location of Existing and/or Proposed Facilities:

There are no existing production facilities. If production is encountered a temporary facility will be established on the drill pad, and if warranted a production facility would be built at a later date in the immediate area of the drill-pad location. (See attached Exhibit #4). If the well is productive, the flowline would also be located on the drill-pad site and no additional disturbance will occur.

ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal #2  
Page 2

5. LOCATION AND TYPE OF WATER SUPPLY:

Water for drilling will be purchased from commercial sources and transported to the well site over the roads as shown on Exhibit #2.

6. PLANS FOR RESTORATION OF THE SURFACE:

After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Location will be cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible.

Any unguarded pits containing fluid will be fenced until they are dry and back filled.

After abandonment of the well, surface restoration will be in accordance with current Federal laws and regulations. Location will be cleaned, and the well pad removed to promote vegetation. Reseeding will be as per BLM specifications.

7. METHODS OF HANDLING WASTE DISPOSAL:

A closed loop mud system will be utilized eliminating the need for a reserve pit.

Drill cuttings will be encapsulated in plastic and buried 2' below ground level.

Water produced during tests and waste water will be saved and hauled to a disposal well. Oil produced during tests will be in test tanks until sold.

Current laws and regulations pertaining to the disposal of human waste will be complied with.

Trash, waste paper, garbage and junk will be hauled to an approved disposal site in an enclosed trash trailer.

All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

No airstrip, campsite, or other facilities will be built.

ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal #2  
Page 3

9. WELL SITE LAYOUT:

Exhibit #5 shows the relative location and dimensions of the well pad, steel mud pits, burial pits and location of major rig components. Pad area has been staked and flagged.

Only minor leveling of the well site will be required.

10. OTHER INFORMATION:

The area around the well site is grassland and the top soil is duned and sandy. The vegetation is native scrub grasses with abundant oakbrush, sagebrush, yucca, and prickly pear.

There is no permanent or live water in the immediate area.

Copy of cultural resources examination completed by Archaeology Survey Consultants is attached.

11. OPERATORS REPRESENTATIVE:

The field representative responsible for assuring compliance with the approved surface-use and operations plan is as follows:

Mr. Dewey Smeltzer  
3321 Neely

Phones: Business - 1-915/686-3601  
Home - 1-915/697-7719

ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal #2  
Page 4

12. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspection the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Enron Oil & Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

  
\_\_\_\_\_  
Ray L. Ingle  
Operations Manager

Date: \_\_\_\_\_



ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal #2

ATTACHMENT

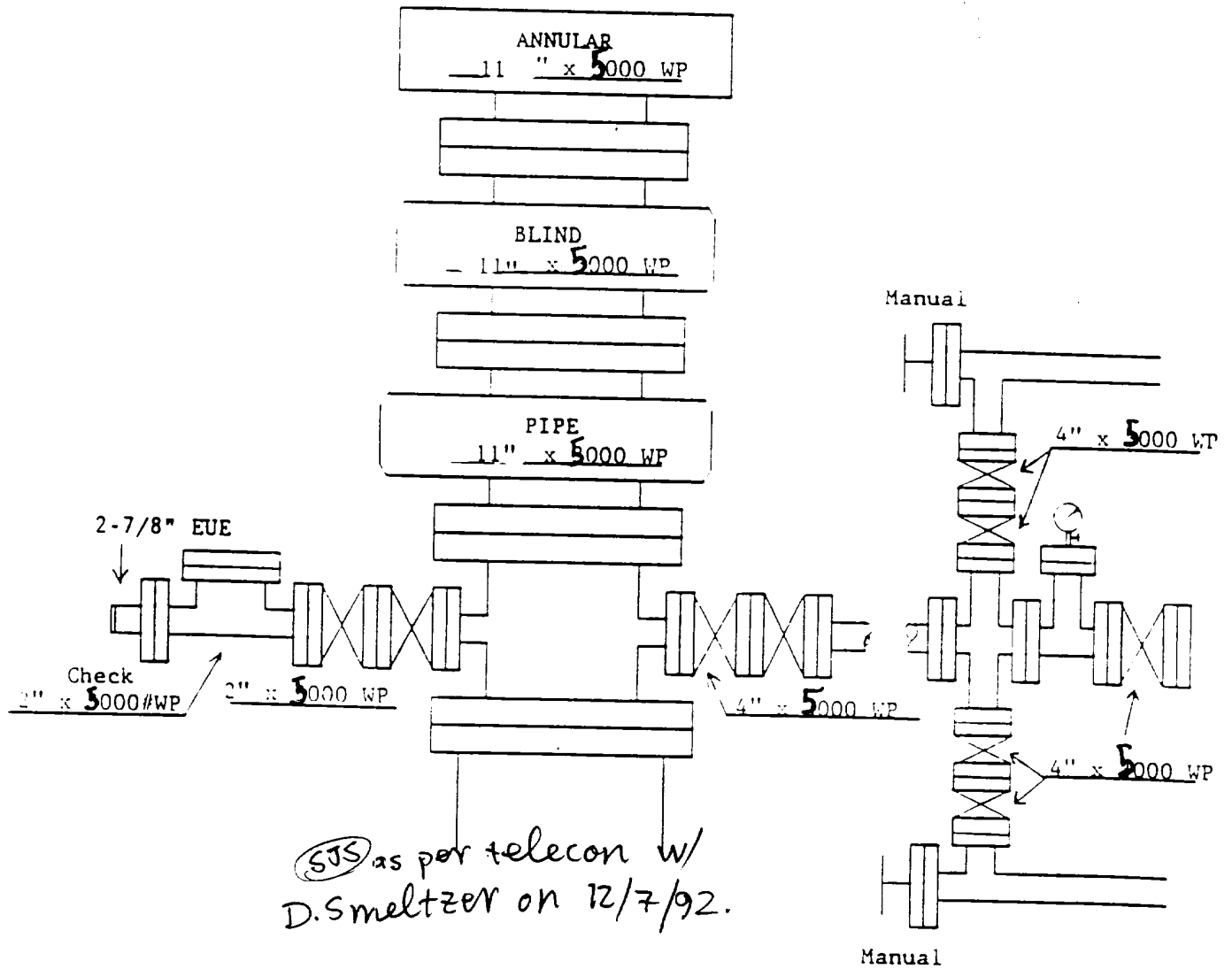
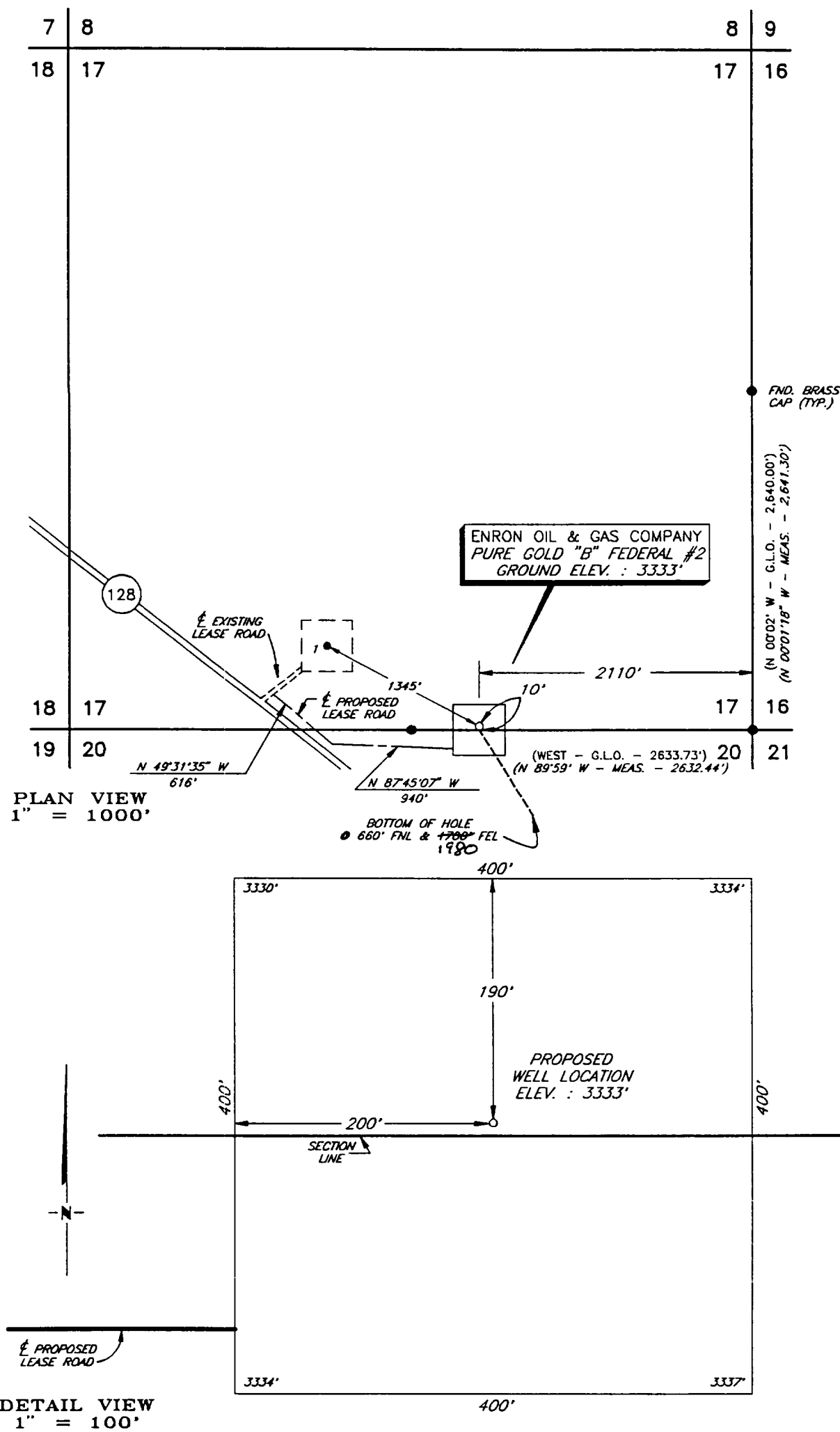


EXHIBIT -1-

Attachment to Exhibit #1  
ENRON OIL & GAS COMPANY  
Pure Gold "B" Federal #2

1. Drilling nipple to be so constructed that it can be removed without use of a welder through rotary table opening, with minimum I.D. equal to preventer bore.
2. Wear ring to be properly installed in head.
3. Blow out preventer and all fittings must be in good condition, 5000 psi W.P. minimum.
4. All fittings to be flanged.
5. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 5000 psi W.P. minimum.
6. All choke and fill lines to be securely anchored, especially ends of choke lines.
7. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
8. Kelly cock on kelly.
9. Extension wrenches and hand wheels to be properly installed.
10. Blow out preventer control to be located as close to driller's position as feasible.
11. Blow out preventer closing equipment to include minimum 40 gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

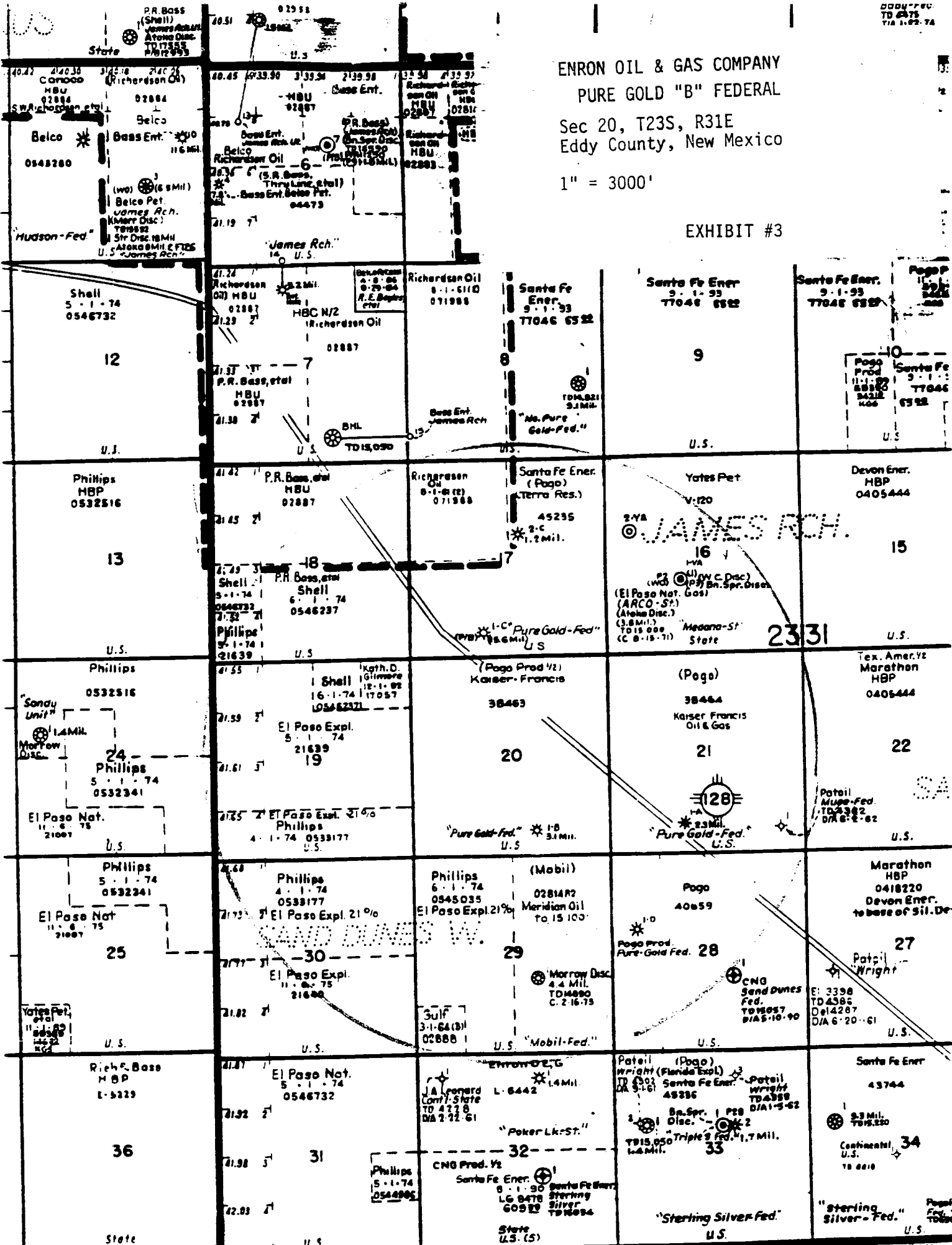
PLAT SHOWING PROPOSED  
WELL LOCATION AND LEASE ROAD IN  
SECTION 17, T-23-S, R-31-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO



2	LOCATION	11/24/92	CLS	ENRON OIL & GAS GOMPANY MIDLAND, TEXAS	SCALE:	AS SHOWN
1	LOCATION	11/13/92	LWB		DATE:	OCTOBER 28, 1992
NO.	REVISION	DATE	BY		JOB NO.:	92396
SURVEYED BY: R.J.O.				SURVEYING AND MAPPING BY TOPOGRAPHIC LAND SURVEYORS MIDLAND, TEXAS		
DRAWN BY: V.H.B.					485 SE	
APPROVED BY: L.W.B.					SHEET : 1 OF 1	

ENRON OIL & GAS COMPANY  
PURE GOLD "B" FEDERAL  
Sec 20, T23S, R31E  
Eddy County, New Mexico  
1" = 3000'

EXHIBIT #3



STATUS OF WELLS WITHIN ONE MILE RADIUS

ENRON OIL & GAS COMPANY

Pure Gold "B" Federal  
Sec. 20, T-23-S, R-31-E  
Eddy County, New Mexico

Sec. 16, T-23-S, R-31-E

Active Oil)	Yates Petr. #1-Medaro "VA" State	(1980 FSL/1980 FWL) Los Medanos (Del.)
(Active Oil)	Yates Petr. #2-Medaro "VA" State	(1980 FNL/ 660 FWL) Sand Dunes W, Morr.
(Active Oil)	Yates Petr. #3-Medaro "VA" State	(2310 FNL/1650 FWL) Los Medanos (Del.)

Sec. 17, T-23-S, R-31-E

(Active Gas)	Santa Fe Energy #1-Pure Gold "C" Fed	( 660 FSL/1980 FWL)	Sand Dunes W, Morr.
Active (Gas)	Santa Fe Energy #2-Pure Gold "C" Fed	(1980 FNL/2310 FEL)	Sand Dunes W, Morr.

Section 20, T-23-S, R-31-E

Active (Gas)	Kaiser-Francis #1-Pure Gold "B" Fed	( 660 FSL/1980 FEL)	Sand Dunes W, (Atoka)
--------------	-------------------------------------	---------------------	-----------------------

Section 21, T-23-S, R-31-E

Active Gas	Kaiser-Francis #1-Pure Gold "A" Fed	( 800 FSL/1980 FWL)	Sand Dunes (Morrow)
	Patoil #1-Muse Fed	( 660 FSL/ 660 FEL)	D&A

Section 28, T-23-S, R-31-E

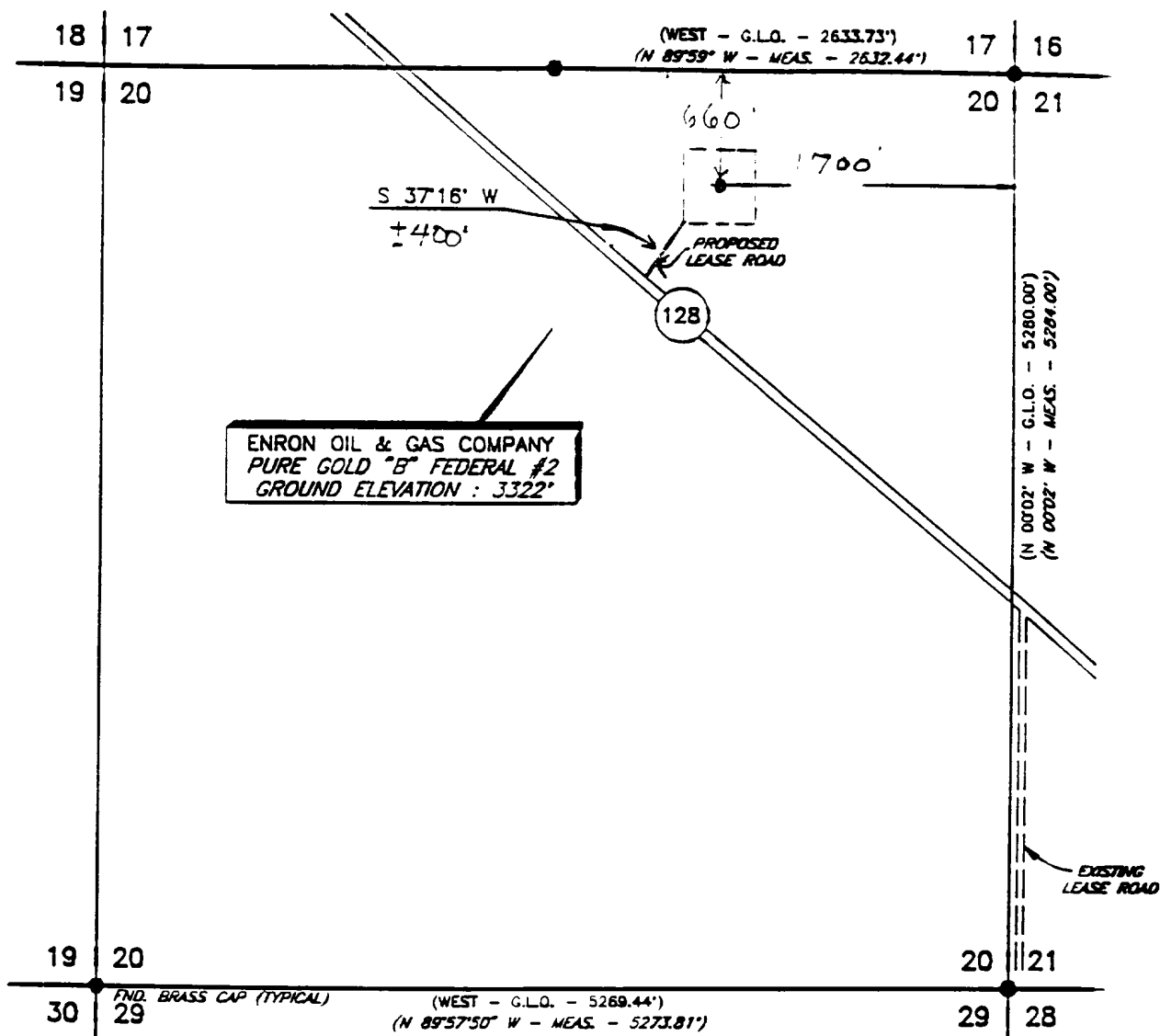
Active Oil	Pogo Producing #1-Pure Gold "D" Fed	(1980 FNL/ 660 FWL)	Wildcat Del.
------------	-------------------------------------	---------------------	--------------

Section 29, T-23-S, R-31-E

Active Oil	Pogo Producing #1-Mobil Fed	(1980 FSL/ 660 FEL)	Wildcat Del.
------------	-----------------------------	---------------------	--------------

PLAT SHOWING PROPOSED  
WELL LOCATION AND LEASE ROAD IN  
SECTION 20, T-23-S, R-31-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO

EXHIBIT #2



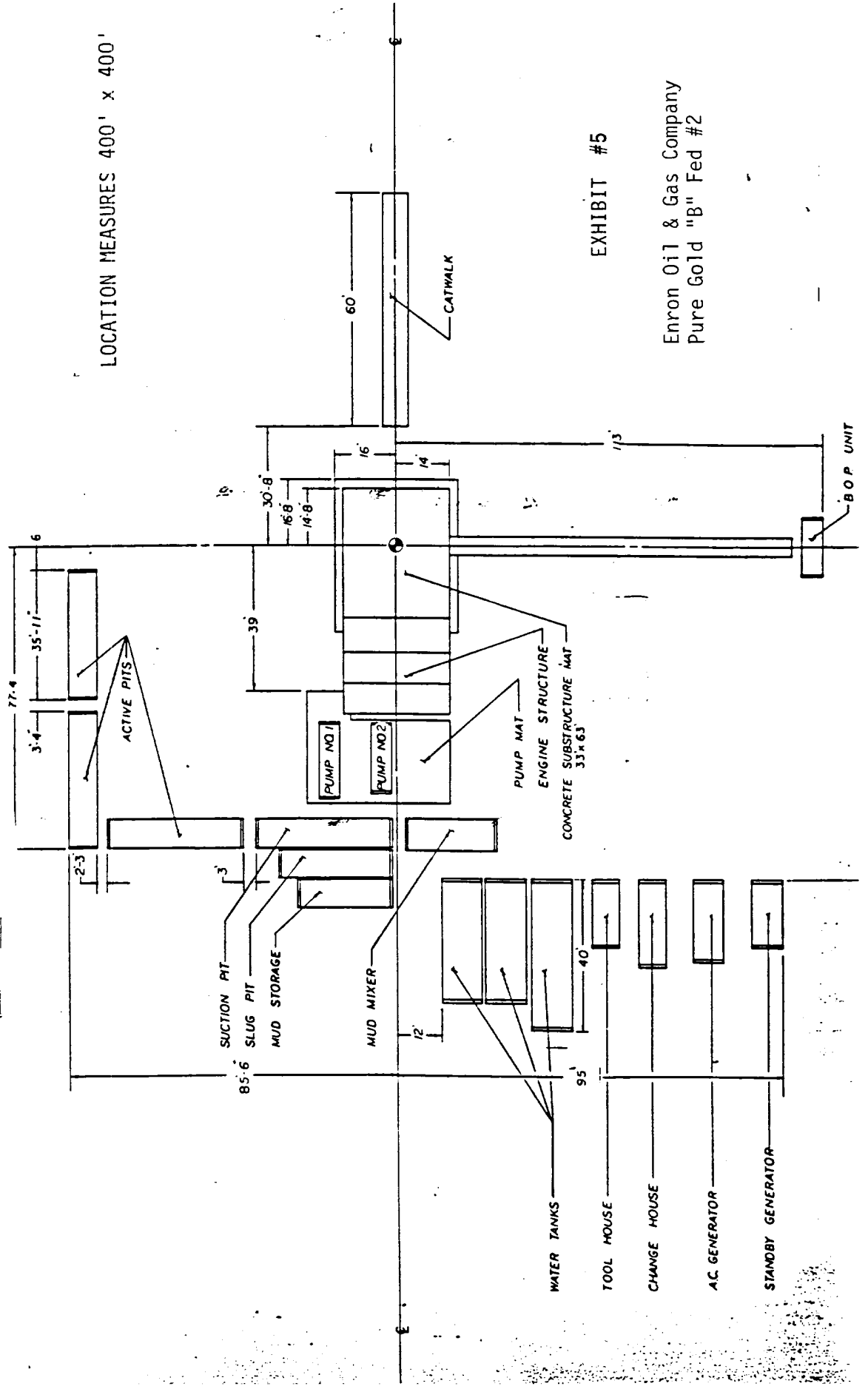
PLAN VIEW  
1" = 1000'

EXHIBIT #4



Flare  
Line  
Pit

Two 20' x 50' x 8' cuttings  
burial pits



LOCATION MEASURES 400' x 400'

EXHIBIT #5

Enron Oil & Gas Company  
Pure Gold "B" Fed #2