

DHC 12.5.95



177

OIL CONSERVATION DIVISION  
RECEIVED

1995 NOV 16 AM 8 52

PLAINS  
PETROLEUM  
OPERATING  
COMPANY

November 13, 1995

Mr. Michael Stogner  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

Re: E. C. Hill "B" Fed. #11  
API #30-025-32586  
Unit Letter M,  
Sec. 35, T23S, R37E,  
Lea County, NM

Dear Mr. Stogner:

In accordance with the instructions from the geological staff at the Hobbs OCD office Plains Petroleum is requesting administrative approval for "downhole commingling" on the E. C. Hill "B" Federal #11 well. The referenced well was originally drilled in October, 1994 and completed in November, 1994 in the Teague Devonian Pool. A CIBP was set at 7350' with 2 sacks of cement in July, 1995, the well was perforated from 6541' - 7491' (Abo and Drinkard perfs) and subsequently recompleted/flowing on a 12/64" choke 16 BO, 6 BW and 348 MCFG in August, 1995. Please find enclosed copies of Form C-102, Form 3160-5 and a downhole well equipment schematic.

Should you have any questions or wish to discuss this matter, please contact either Dominic Bazile or me at the number listed below.

Respectfully submitted,

Bonnie Husband  
Administrative Assistant

Enclosures

November 13, 1995

Oil Conservation Division  
P. O. Box 1980  
Hobbs, NM 88240

Re: E. C. Hill "B" Fed. #11  
API #30-025-32586  
Unit Letter M,  
Sec. 35, T23S, R37E,  
Lea County, NM

Gentlemen:

In accordance with the instructions from your geological staff Plains Petroleum is requesting administrative approval for "downhole commingling" on the E. C. Hill "B" Federal #11 well. The referenced well was originally drilled in October, 1994 and completed in November, 1994 in the Teague Devonian Pool. A CIBP was set at 7350' with 2 sacks of cement in July, 1995, the well was perforated from 6541' - 7491' (Abo and Drinkard perms) and subsequently recompleted/flowing on a 12/64" choke 16 BO, 6 BW and 348 MCFG in August, 1995. Please find enclosed copies of Form C-102 and a downhole well equipment schematic.

Should you have any questions or wish to discuss this matter, please contact either Dominic Bazile or me at the number listed below.

Respectfully submitted,



Bonnie Husband  
Administrative Assistant

Enclosures

District I  
PO Box 1988, Hobbs, NM 88241-1988  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-32586		2 Pool Code 19190		3 Pool Name Drinkard		
4 Property Code 009280		5 Property Name E. C. HILL "B" FEDERAL			6 Well Number 11	
7 OGRID No. 017805		8 Operator Name PLAINS PETROLEUM OPERATING COMPANY			9 Elevation 3251' GR	

10 Surface Location

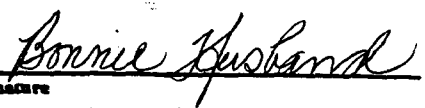
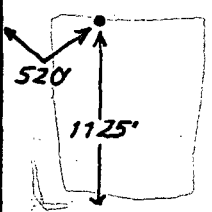
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
M	35	23S	37E		1125	SOUTH	520	WEST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
M	35	23S	37E		1125	SOUTH	520	WEST	LEA

12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>   Signature Bonnie Husband Printed Name Administrative Assistant Title 11-10-95 Date
				18 SURVEYOR CERTIFICATION <i>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 belief.</i>  Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number

District I  
PO Box 1988, Hobbs, NM 88241-1988  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
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PO Box 2088  
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Form C-102  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-32586		2 Pool Code 58250		3 Pool Name South Teague Abo		
4 Property Code 009280		5 Property Name E. C. HILL "B" FEDERAL			6 Well Number 11	
7 OGRID No. 017805		8 Operator Name PLAINS PETROLEUM OPERATING COMPANY			9 Elevation 3251' GR	

10 Surface Location

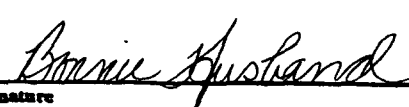
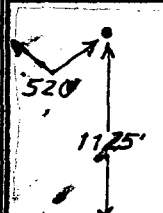
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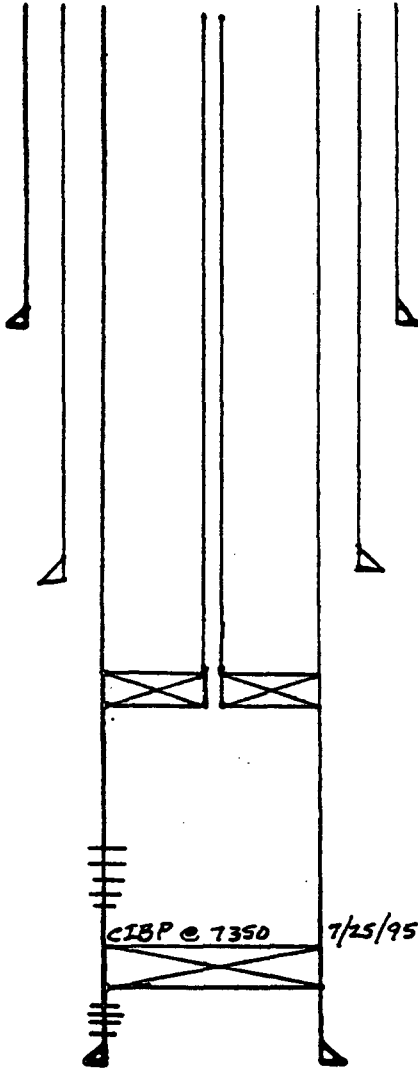
# Well Equipment Schematic

Lease: E.C.H. 11 'B' Fed Well: 11 Field: TEAGUE

Location: 1125 feet FSL & 520 feet FWL, Section 35,  
Block T23S, R37E Survey, LEA County, NEW MEXICO

GL 3251  
DF  
KB 3264

Spud Date: 10/7/94  
Completion Date: 1/18/95



13 3/8" OD, 48 #11, grade H40 STC  
csg set @ 366 ' w/ 375 exs.  
Circ? 60' TOC @ SURFACE by CIRC.

8 5/8" OD, 32, 24 #11, grade WLSO STC  
csg set @ 3010 ' w/ 625 exs.  
Circ? NO TOC @ 740' By T.S.

2 3/8" TBG WATSON MOB'R' PKR  
@ 5940'

## Current Perforations:

7481, 83, 88, 89, 90, 91 12 Holes

7447, 48, 49, 50, 51, 52, 53, 54, 60, 61, 62, 63 24 Holes

7388-93 12 Holes

ABO/DRINKARD PERFS

6541, 39, 37, 6452, 50, 48, 11, 09, 07, 6400, 6321, 19, 6144, 38, 31 30 Holes

15.5

5 1/2" OD, 17 #11, grade J55, LTC thd  
csg set @ 7749 ' w/ 1000 total exs in  
2 stages w/ DV tool set @ 5954 '.

Stage 1 circ? TAKE TOC @ 5954 ' by CIRC.

Stage 2 circ? NO TOC @ 2900 ' by CBL.

OH ID: 7 7/8"  
COTD: 7706  
PSTD: 7706  
TD: 7749

REFNO

API 30-025-32586

Date: 11/7/95

Prepared By: DJBAULE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

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  
PLAINS PETROLEUM OPERATING COMPANY

3. Address and Telephone No.  
415 WEST WALL, SUITE 1000, MIDLAND, TEXAS 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1125' FSL & 520' FWL  
Sec 35, T23S, R37E, Unit M

5. Lease Designation and Serial No.  
LC 064118

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
E. C. Hill 'B' Federal #11

9. API Well No.  
30-025-32586

10. Field and Pool, or Exploratory Area  
Teague Devonian

11. County or Parish, State  
Lea Co., 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  
☐ 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.)

07-25-95 RU Wedge. RIH & set 5-1/2" CIBP @ 7350'. Dump 2 sx cmt on plug. RIH w/3-1/8" HSC select fire gun & perf as directed @ 6541, 6539', 6537', 6452', 6450', 6448', 6411', 6409', 6407', 6400', 6321', 6319', 6146', 6138', 6031' (Abo) 2 JSPF, 180 phasing. RD Wedge. PU 2-3/8" x 5-1/2" Watson pkr. RIH to 6000'.

07-26-95 Open BOP, TIH to 6541', circ hole w/2% KCl. Spot acid across perfs. PU to 5935'. Set pkr, pressure up BS to 500 psi. Break down perfs, acidize perfs as directed w/5000 gal 15% NEFE HCl, dropping 56 ball sealers. Formation broke from 2500 psi - 2384 psi. Excellent ball action, ball out three times to 3500 psi. Surge balls, put acid away. Flush to btm perf. RD BJ.

07-28-95 Well produced & sold 375 MCF gas from 12:00 noon until 7:00 a.m. 07-28-95, 19 hrs, also recovered 11 BO & 33 BLW in 19 hrs, FTP 325 psi @ 7:00 a.m. 07-28-95 on a 16/64" choke, gas production averaged at rate of 474 MCFPD the last 19 hrs. 50 BLWTR.

08-03-95 Last 24 hrs, well flowed & produced 16 BO, 6 BW & sold 348 MCFG, flowing on a 12/64" choke, 375 psi FTP.

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

Signed Dominic J. Bazile Title Area Engineer

Date September 1, 1995

(This space for Federal or State office use)

Approved by Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

OCT 11 1995

OCT - 6 1995

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

CARLSBAD, NEW MEXICO

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. LC 064118
2. Name of Operator PLAINS PETROLEUM OPERATING COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 415 WEST WALL, SUITE 1000, MIDLAND, TEXAS 79701	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1125' FSL & 520' FWL Sec 35, T23S, R37E, Unit M	8. Well Name and No. E. C. Hill B' Federal #11
	9. API Well No. 30-025-32586
	10. Field and Pool, or Exploratory Area Teague Devonian
	11. County or Parish, State Lea Co., NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)

- Move in rig up Well Service Company. Unhang well and lay down polish rod. Trip out of hole with rods and pump. Nipple down wellhead. Release TAC and pull out of hole with 2-3/8" tubing, seat nipple and TAC.
- Rig up Wedge Wireline. Go in hole w/5-1/2" CIBP and set @ 7350' and dump 2 sx cement on top. Make up 3-1/8" HSC select fire casing gun with .38" diameter holes, two JHPF and perf the Abo as follows: 6541', 6539', 6537', 6452', 6450', 6448', 6411', 6409', 6407', 6400', 6321', 6319', 6146', 6142', 6138', 6031'. (32 Holes Total)

Continued on page 2

RECEIVED  
AUG 31 10 54 AM  
CART AREA

14. I hereby certify that the foregoing is true and correct	Signed <u>Dominic J. Bazile</u>	Title <u>Area Engineer</u>	Date <u>August 30, 1995</u>
(This space for Federal or State office use)			
Approved by <u>Joe J. Lara</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>10/6/95</u>	
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

OCT 11 1995

PLAINS PETROLEUM OPERATING COMPANY  
1125' FSL & 520' FWL,  
Sec 35, T23S, R37E, Unit M  
E. C. Hill 'B' Federal #11,  
Teague Devonian, Lea Co., NM

3. Make up 5-1/2" x 2-3/8" packer on 2-3/8" tubing and trip in hole to 6000'. Rig up service company and acidize Abo perms with 5000 gal 15% NEFE HCl in 4 stages, dropping 64 ball sealers. Record ISIP's and flow back to test tank. Rig down service company, report swab results to Midland Office.
4. If commercial production is established, return to production. If commercial production is not established, continue with completion in the Blinebry-Paddock. Trip out of the hole with tubing and packer. GIH w/5-1/2" CIBP and set at 6000' and dump two sacks cement on top.
5. Rig up Wedge Wireline. Make up 3-1/8" HSC select pipe casing gun loaded with .38" diameter holes 2 JHPF and perforate the Blinebry at 5586', 5583', 5578', 5476', 5472', 5468', 5383', 5356', 5356', 5338', 5330', 5326', 5298', 5294', 5290', 5282', 5278', 5258', 5245', 5234', 5228'. (46 holes total) Rig down Wedge Wireline.
6. Make up packer on 2-3/8" tubing and trip in hole 5278'. Rig up service company and acidize with 6000 gal 15% NEFE HCl and with anti-sludge additives at 5 - 7 BPM dropping, 69 ball sealers on 46 perms. Record ISIP's and flow back to test tank. Rig down service company and report swab. Results to Midland office.
7. Release packer and trip out of the hole.
8. Rig up service company to fracture stimulate the Blinebry perforations with 20,000 gal of 35# gelled borate with 3% diesel cross linked water carrying 140,000 lbs 16/30 Ottawa Sand at 50 BPM according to the following schedule: a) pump 5000 gal prepad, b) pump 25,000 gal pad tagging with .4 - .6 MC/1000 Iridium 192, c) pump 40,000 gal ramping 2 ppg - 8 ppg 16/30 Ottawa Sand tagging w/.4 - .6 MC/1000, Iridium 192, d) flush to the top perf with base gel. Flow back at 10 - 15 GPM to force close fracture. Shut well in over night to allow gel to break. Rig down service company.
9. Rig up Atlas Wireline and run Prism log to determine frac height. Make up 5-1/2" RBP with ball catcher on wireline and set at 5225'. Make up 3-1/8" HSC select fire casing gun loaded with .38" diameter holes, two JHPF and perforate the Paddock as follows: 5187', 5183', 5167', 5161', 5137', 5132', 5128', 5121', 5116', 5108', 5103', 5099', 5092', 5088', 5079', 5074', 5069', 5060', 5048', 5044', 5040', 5032', 5028', 5024', 5012', 5010'. (52 holes total) Rig down wireline company.
10. Make up 5-1/2" packer with retrieving head on 2-3/8" tubing to 5210'. Test RBP to 1000 psi. Pick up and set packer at 4960'. Acidize with 7500 gal 15% NEFE HCl at 5 - 7 BPM, dropping 78 ball sealers on 52 perms. Record ISIP's and flow back to test tank.
11. Release packer and retrieve RBP. Trip out of hole and lay down same.
12. Make up 5-1/2" x 2-3/8" model 'R' packer on 2-3/8" production tubing to 4960'. Set same and load casing with packer fluid. Nipple down BOP and nipple up wellhead. Equip well to flow to battery.
13. Rig up and swab well to test tank to kick off flowing.
14. Rig down well service unit and turn well to battery.





STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

DHC-1177

OIL CONSERVATION DIVISION  
RECEIVED  
NOV 13 1995  
GOVERNOR

11/27/95

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

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

RE: Proposed:

MC	_____
DHC	_____ X _____
NSL	_____
NSP	_____
SWD	_____
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

Plains Petroleum Oper. Co. EC Hill B Federal # 11-M 35-235-37e  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

C24  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

Jerry Sexton  
Supervisor, District 1

/ed