

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: Plains Petroleum Operating Company

Address: 415 W. Wall, Suite 2110 Midland, Texas 79701

Contact party: Steve Owen Phone: (915) 683-4434

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

IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-8117.

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

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

VII. Attach data on the proposed operation, including:

300 BPD/PW
Closed
0 - 800

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

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval. No overlying or underlying sources of drinking water

IX. Describe the proposed stimulation program, if any. None

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

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. None

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

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

XIV. Certification

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

Name: Bonnie Husband Title Engineering Tech.

Signature: Bonnie Husband Date: June 20, 1990

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

III. WELL DATA

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

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

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

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

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company

Bluitt San Andres Unit Sec.13

OIL CONSERVATION DIVISION
RECEIVED

OPERATOR

LEASE

1 A 660' FNL & 660' FEL, Sec. 13, T8S, R37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

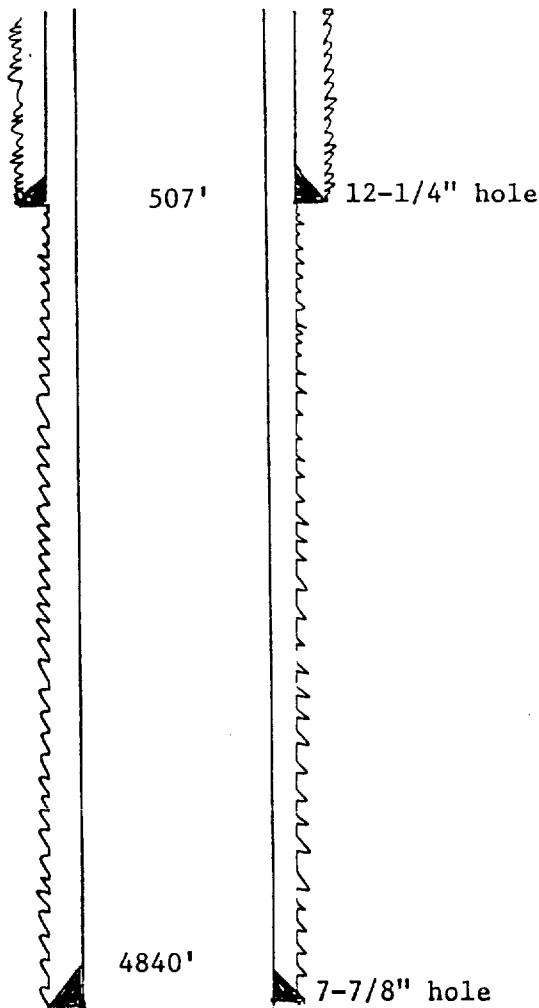
'90 JUL 5 AM 9 28

SchematicTabular DataSurface CasingSize 8-5/8" " Cemented with 310 sx.TOC Surf feet determined by _____Hole size 12-1/4"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5-1/2" " Cemented with 1320 sx.TOC 2650 feet determined by CBLHole size 7-7/8"Total depth 4840 PRTD 4794Injection interval4688 feet to 4718 feet
(perforated or open-hole, indicate which)Tubing size 2-3/8" lined with Plastic coated set in a
(material)Arlington Elder Lockset packer at 4608' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation San Andres2. Name of Field or Pool (if applicable) San Andres Assoc.3. Is this a new well drilled for injection? ☒ Yes ☐ No

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

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

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

P1 65'

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company

Bluitt San Andres Unit Sec.13

OPERATOR

LEASE

3 C

587' FNL & 1849.3' FWL, Sec. 13, T8S, R37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

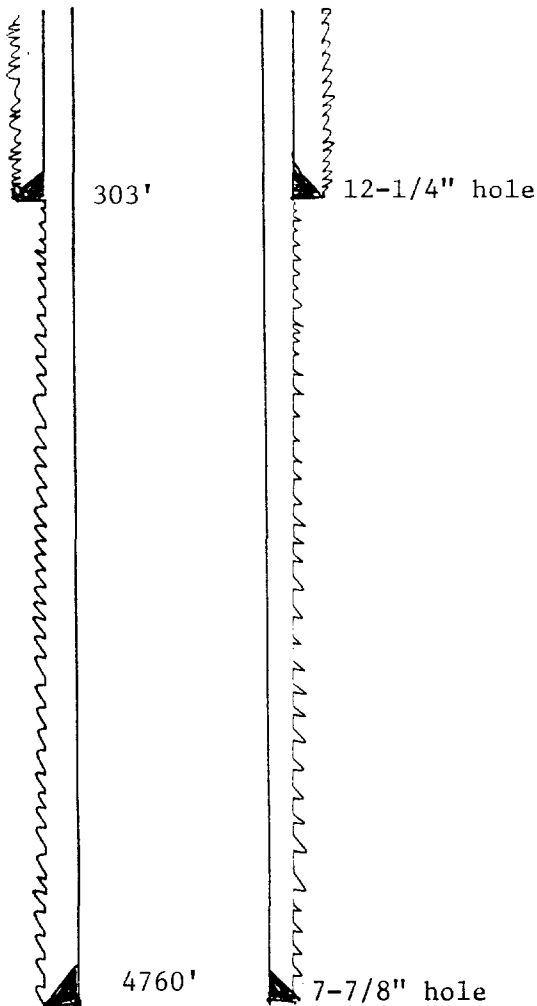
RANGE

SchematicTabular DataSurface CasingSize 8-5/8" " Cemented with 150 sx.TOC Surf feet determined by _____Hole size 12-1/4"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 4-1/2" " Cemented with 200 sx.TOC unknown feet determined by _____Hole size 7-7/8"Total depth 4760 PBTD 4681Injection interval4633 feet to 4662 feet
(perforated or open-hole, indicate which)Tubing size 2-3/8" lined with plastic coated set in a
(material)Arlington Elder Lockset packer at 4540 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation San Andres
- Name of Field or Pool (if applicable) San Andres Assoc.
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Drilled and completed as a producing oil well in 1969.
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. P1 65'

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company

Bluitt San Andres Unit Sec. 13

OPERATOR

LEASE

5

E

1980' FNL & 660' FWL, Sec. 13, T8S, R37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

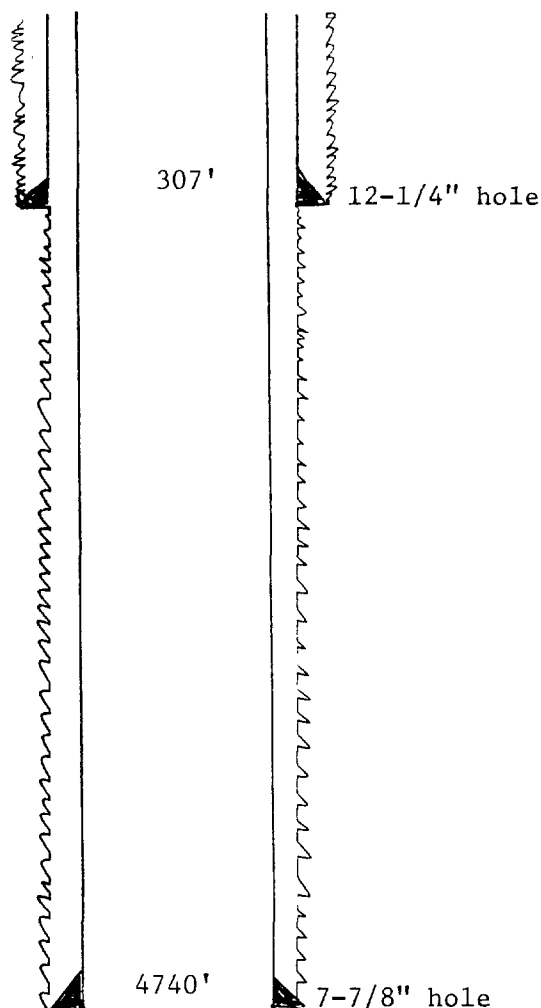
RANGE

SchematicTabular DataSurface CasingSize 8-5/8" " Cemented with 150 sx.TOC surf feet determined by _____Hole size 12-1/4"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5-1/2" " Cemented with 200 sx.TOC unknown feet determined by _____Hole size 7-7/8"Total depth 4740 PBTD 4668'Injection interval4608 feet to 4636 feet
(perforated or open-hole, indicate which)Tubing size 2-3/8" lined with plastic coated set in a

(material)

Arlington Elder Lockset
(brand and model)packer at 4526

feet

(or describe any other casing-tubing seal).

Other Data

San Andres

1. Name of the injection formation _____

2. Name of Field or Pool (if applicable) San Andres Assoc.3. Is this a new well drilled for injection? ☐ Yes ☒ No

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

producing oil well

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

No

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

Pl 65'

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company

Bluitt San Andres Unit

Sec. 13

OPERATOR

LEASE

11

1980' FSL & 1980' FWL

Sec. 13, T8S, R37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

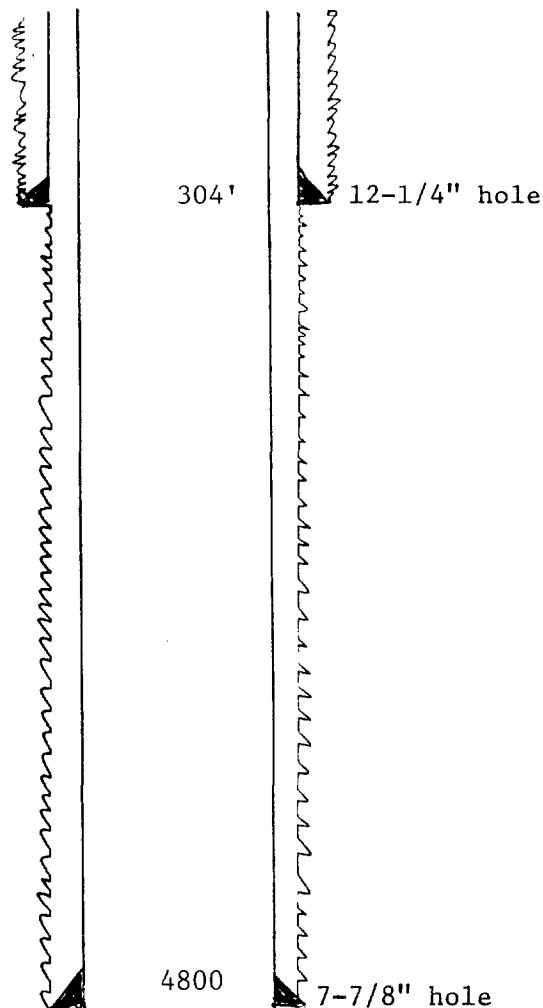
RANGE

SchematicTabular DataSurface CasingSize 8-5/8" " Cemented with 150 sx.TOC surf feet determined by _____Hole size 12-1/4"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5-1/2" " Cemented with 200 sx.TOC unknown feet determined by _____Hole size 7-7/8"Total depth 4800 PBTB 4721'Injection interval4623 feet to 4652 feet
(perforated or open-hole, indicate which)Tubing size 2-3/8" lined with Plastic coated set in a
(material)Arlington Elder Lockse6 packer at 4626 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation San Andres2. Name of Field or Pool (if applicable) San Andres Assoc.3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? producing oil well

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

No

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

P1 65'

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company

Bluitt San Andres Unit Sec. 13

OPERATOR

LEASE

9

1890' FSL & 660' FEL

SEC. 13, T8S, R37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

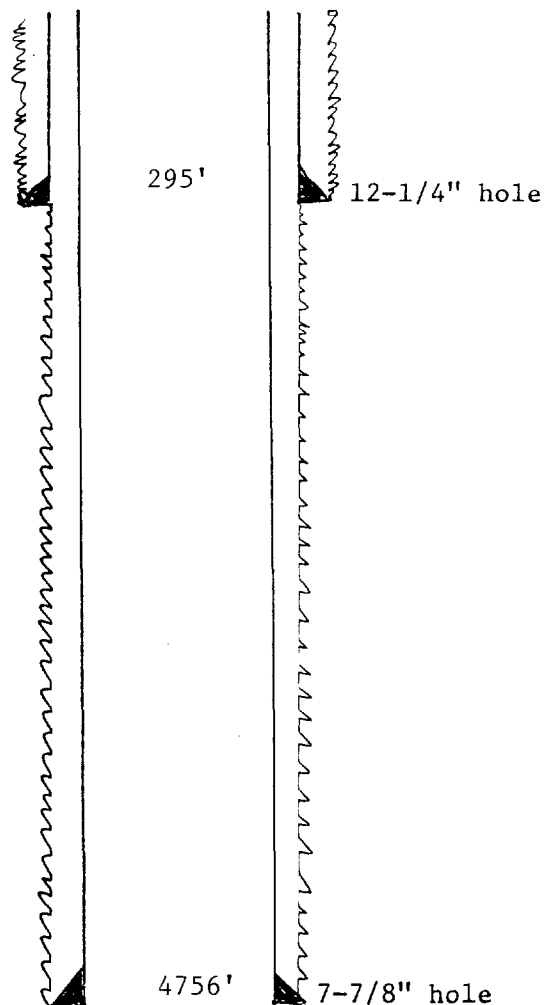
RANGE

SchematicTabular DataSurface CasingSize 8-5/8" " Cemented with 150 sx.TOC surf feet determined by _____Hole size 12-1/4"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5-1/2" " Cemented with 275 sx.TOC unknown feet determined by _____Hole size 7-7/8"Total depth 4756' PBTD 4728'Injection interval4661 feet to 4690 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with plastic coated set in a
(material)
ARlington Elder Lockset packer at 4586 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation San Andres
- Name of Field or Pool (if applicable) San Andres Assoc
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? _____
producing oil well
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

P1 65'

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company

Bluitt San Andres Unit Sec. 24

OPERATOR

LEASE

3
WELL NO.660' FNL & 1980' FWL
FOOTAGE LOCATIONSec. 24, T8S, R37E
SECTION

TOWNSHIP

RANGE

SchematicTabular DataSurface CasingSize 8-5/8" " Cemented with 375 sx.TOC surf feet determined by _____Hole size 11"Intermediate Casing

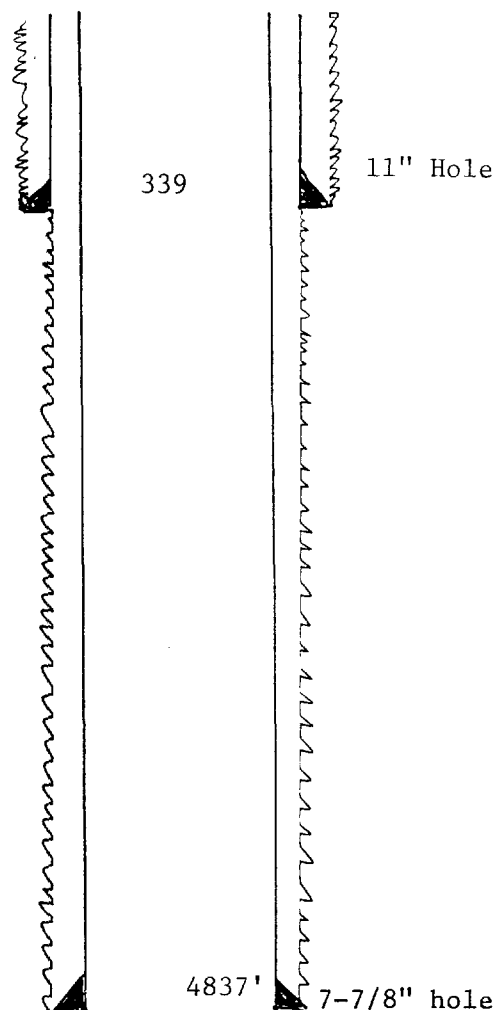
Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 4-1/2" " Cemented with 250 sx.

TOC _____ feet determined by _____

Hole size 7-7/8"Total depth 4837' PBTD 4725Injection interval4750 feet to 4770 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with plastic coated set in a
(material)
Arlington Elder Lockset packer at 4711 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation San Andres
- Name of Field or Pool (if applicable) San Andres Assoc
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? producing gas well
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) 4618'-4691' (17 holes). Squeezed with 245 sx
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. P1 65'

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company

Bluitt San Andres Unit

Sec.24

OPERATOR

LEASE

WELL NO.

FOOTAGE LOCATION

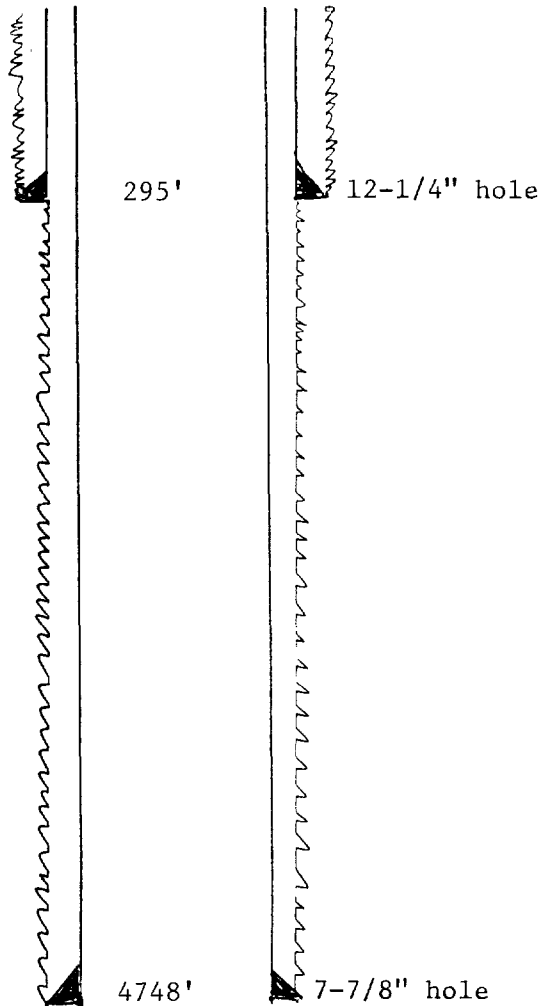
SECTION

TOWNSHIP

RANGE

1 A

660' FNL & 660' FEL , Sec. 24, T8S, R37E

SchematicTabular DataSurface CasingSize 8-5/8" " Cemented with 175 sx.TOC surf feet determined by _____Hole size 12-1/4"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5-1/2" " Cemented with 275 sx.TOC unknown feet determined by _____Hole size 7-7/8"Total depth 4748 PBD 4739Injection interval4702 feet to 4732 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with Plastic coated set in a
Arlington Elder Lockset (material)
(brand and model) packer at 4632 feet

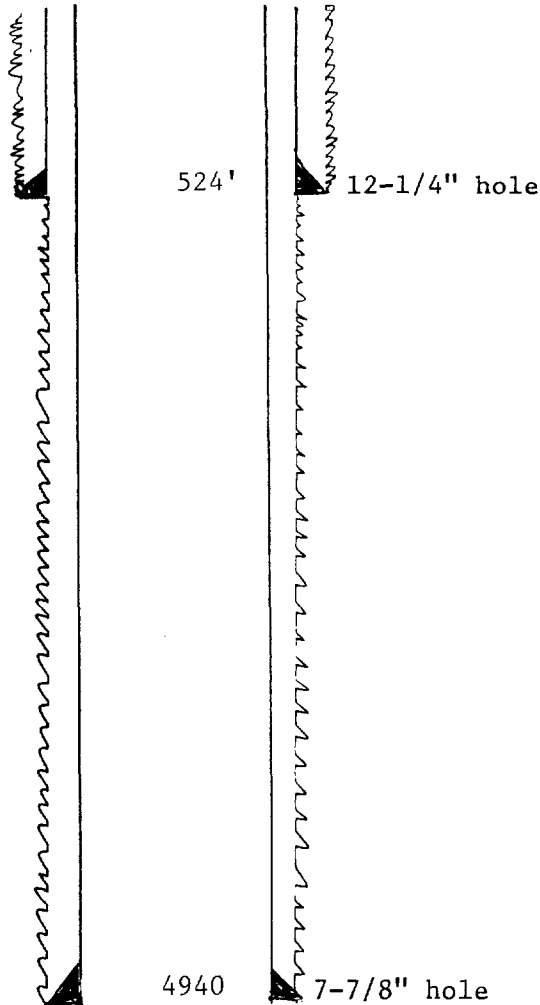
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation San Andres
- Name of Field or Pool (if applicable) San Andres Assoc.
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? producing oil well
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company		Bluitt San Andres Unit		Sec. 18
OPERATOR	LEASE			
11	1980' FSL & 1980' FWL	Sec. 18, T8S, R38E		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

SchematicTabular DataSurface Casing

Size 8-5/8" " Cemented with 310 sx.
TOC Surf feet determined by _____
Hole size 12-1/4"

Intermediate Casing

Size _____ " Cemented with _____ sx.
TOC _____ feet determined by _____
Hole size _____

Long string

Size 5-1/2" " Cemented with 1320 sx.
TOC surf feet determined by CBL
Hole size 7-7/8"
Total depth 4940 PBTD 4888

Injection interval

4712 feet to 4740 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with plastic coated set in a
(material)
Arlington Elder Lockset packer at 4642 feet
(brand and model)
(or describe any other casing-tubing seal).

Other Data

- San Andres
- Name of the injection formation _____
 - Name of Field or Pool (if applicable) San Andres Assoc.
 - Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? producing oil well
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
No
 - Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

INJECTION WELL DATA SHEET

Plains Petroleum Operating Company

Bluitt San Andres Unit Sec. 19

OPERATOR

LEASE

3

1874' FWL & 554' FNL Sec. 19, T8S, R38E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

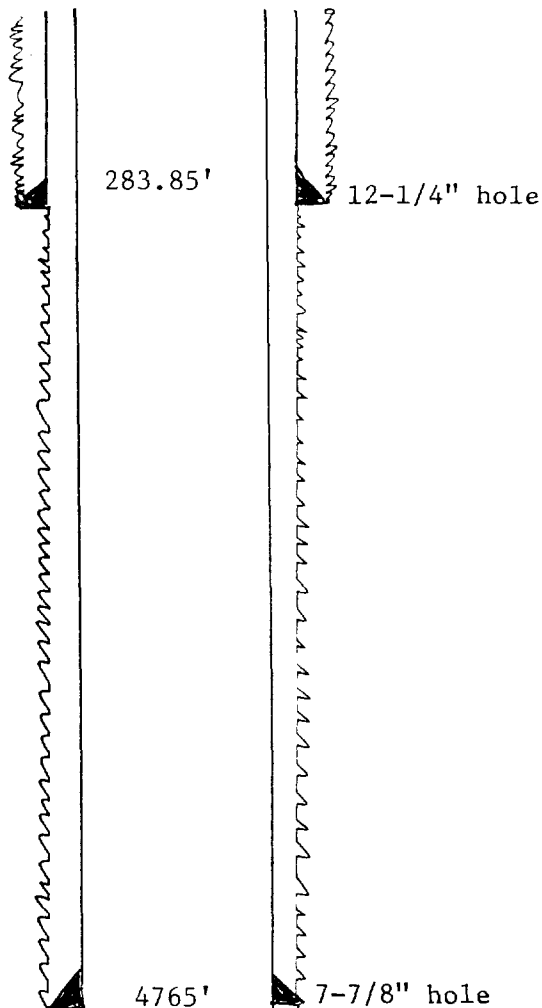
RANGE

SchematicTabular DataSurface CasingSize 8-5/8" " Cemented with 175 sx.TOC surf feet determined by _____Hole size 12-1/4"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5-1/2" " Cemented with 275 sx.TOC unknown feet determined by _____Hole size 7-7/8"Total depth 4765Injection interval4724 feet to 4747 feet
(perforated or open-hole, indicate which)
-----Tubing size 2-3/8" lined with plastic coated set in a
(material)ARLington Elder Lockset packer at 4647 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation San Andres2. Name of Field or Pool (if applicable) San Andres Assoc3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? producing oil well

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

No

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

FOYE AINSWORTH, LLC.
FINE O.E.C.
MBP
0104020
SWAYER, NO

NaCl	96	1.6
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CHEMLINK WATER ANALYSIS REPORT

Lab ID No. : 051590D

Analysis Date: May 15, 1990

Company : Murphy Operating
Field : Todd Field
Lease/Unit : Todd LSAU
Well ID. : Fresh Water Supply Well
Sample Loc.: Wellhead

Sampled By : Permian Treating Chemicals
Sample Date: *3-April-1990
Salesperson: Gayle Blackwell
Formation :
Location : Tatum, N. M.

CATIONS	MG/L	MEQ/L	ANIONS	MG/L	MEQ/L
Calcium as Ca++	127	6	Hydroxyl as OH-	0	0
Magnesium as Mg++	53	4	Carbonate as CO3=	0	0
Sodium as Na+ (Calc)	8	0	Bicarbonate as HCO3-	185	3
Barium as Ba++	Not Determined		Sulfate as SO4=	210	4
Oil Content	0		Chloride as Cl-	130	4

Total Dissolved Solids, Calculated: 713 mg/L.

Calculated Resistivity: 2.716 ohm-meters	pH: 6.920
mg/L. Hydrogen Sulfide: 0	Specific Gravity 60/60 F.: 0.998
mg/L. Carbon Dioxide: 10	Saturation Index @ 80°F.: -0.205
mg/L. Dissolved Oxygen: 3	@ 140°F.: +0.495

Total Hardness:	535	mg/L. as CaCO3
Total Iron:	0.10	mg/L. as Fe++

PROBABLE MINERAL COMPOSITION

	COMPOUND	MG/L	MEQ/L
	Ca(HCO3)2	245	3.0
Calcium Sulfate Scaling Potential	CaSO4	225	3.3
Not Present	CaCl2	0	0.0
Estimated Temperature of Calcium Carbonate Instability is 95 F.	Mg(HCO3)2	0	0.0
	MgSO4	64	1.1
	MgCl2	157	3.3
	NaHCO3	0	0.0
	Na2SO4	0	0.0
Analyst	NaCl	22	0.4

11:37 AM



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Rhoden Oil
P. O. Box 10909
Midland, Texas 79702

Certified Receipt No. P-555-780-057

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Murphy Operating Corporation
P. O. Box 2648
Roswell, New Mexico 88202

Certified Receipt No. P-555-780-049

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator of subject unit are hereby notified that Plains Petroleum Operating Company is making application for expansion of the referenced project. Enclosed is an "Application for Authorization to Inject" and all required attachments. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Layton Enterprises
3103 79th Street
Lubbock, Texas 79423

Certified Receipt No. P-555-780-060

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application to expand the existing system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Mary Singleton
P. O. Box 114
Perrin, Texas 76075

Certified Receipt No. P-555-780-062

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as a surface owner are hereby notified that Plains Petroleum Operating Company is hereby making application for expansion of subject existing system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of the referenced project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures

June 20, 1990

Tommy Wynn Lewis
HCR 2 Box 42
Morton, Texas 79346

Certified Receipt No. P-555-780-064

Re: Bluitt San Andres Unit
Bluitt San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as a surface owner are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.



Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Union Oil of Calif.
Dave Whitacre
P. O. Box 671
Midland, Texas 79702

Certified Receipt No. P-555-780-066

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Yates Petroleum
P. O. Box 1933
Roswell, New Mexico 88201

Certified Receipt No. P-555-780-052

Re: Bluitt San Andres Unit
Bluitt San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

OGS Operating Company
1140 Two First City Center
Midland, Texas 79701

Certified Receipt No. P-555-780-054

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Fina
Box 2998
Midland, Texas 79702

Certified Receipt No. P-555-780-056

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

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

Certified Receipt No. P-555-780-058

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Sun Oil
P. O. Box 1861
Midland, Texas 79702

Certified Receipt No. P-555-780-059

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

MWJ
4000 W. Illinois
Suite 1100
Midland, Texas 79701

Certified Receipt No. P-555-780-055

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Tom Ingram
P. O. Box 1757
Roswell, New Mexico 88202

Certified Receipt No. P-555-780-053

Re: Bluitt San Andres Unit
Bluitt San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

FMP Operators
P. O. Box 60004
New Orleans, La. 70160

Certified Receipt No. P-555-780-067

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is hereby making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures

June 20, 1990

HNG Corporation
c/o Parker & Parsley
Hightower Building
600 W. Illinois
Midland, Texas 79701

Certified Receipt No. P-555-780-065

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.



Bonnie Husband
Engineering Tech.

Enclosures



P L A I N S
P E T R O L E U M
O P E R A T I N G
C O M P A N Y

June 20, 1990

Dick Buffington
Box 201
Mauriceville, Texas 77626

Certified Receipt No. P-555-780-063

Re: Bluitt San Andres Unit
Bluitt San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing water injection system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

H. L. Brown
P. O. Box 2237
Midland, Texas 79702

Certified Receipt No. P-555-780-061

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division you as an offset operator are hereby notified that Plains Petroleum Operating Company is making application for expansion of the existing system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of subject existing project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures



PLAINS
PETROLEUM
OPERATING
COMPANY

June 20, 1990

Rhonda Operating Company
500 N. Loraine
Heritage Center #1000
Midland, Texas 79701

Certified Receipt No. P-555-780-051

Re: Bluitt San Andres Unit
Bluitt San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

In accordance with the regulations of the Oil Conservation Division, you as an offset operator to subject unit are hereby notified that Plains Petroleum Operating Company is making application to expand the existing system. Enclosed is an "Application for Authorization to Inject" and all required attachments for expansion of the referenced project. Objections or requests for hearing must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures

SECTION



9 25

PLAINS
PETROLEUM
OPERATING CO.

August 3, 1990

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

Attention: Mr. David Catanach

Re: Injection Permits
Bluitt San Andres Unit and
Todd Lower San Andres Unit
Roosevelt County, New Mexico

Dear Mr. Catanach:

Pursuant to our conversation enclosed are well bore diagrams and completion information on wells within one-half mile radius of newly completed injection wells on the referenced units. If you require any further information please advise.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosures

BLUITT SAN ANDRES UNIT

List of Injection Wells and Wells Within 1/2 Mile Radius

Well #1, Sec. 13

BSAU #2, Sec. 13
BSAU #7, Sec. 13
BSAU #8, Sec. 13
BSAU #1, Sec. 18

Well #3, Sec. 13

BSAU #13, Sec. 12
BSAU #5, Sec. 13
BSAU #7, Sec. 13

Well #5, Sec. 13

BSAU #3, Sec. 13
BSAU #11, Sec. 13
BSAU #9, Sec. 14
BSAU #6, Sec. 13

Well #9, Sec. 13

BSAU #8, Sec. 13
BSAU #10, Sec. 13
BSAU #15, Sec. 13
BSAU #13, Sec. 18
BSAU #12, Sec. 18
BSAU #7, Sec. 13

Well #11, Sec. 18

BSAU #13, Sec. 18
BSAU #12, Sec. 18
Roden Fed., Sec. 18
Union Fed.18, Sec. 18

Well #3, Sec. 24

BSAU #15, Sec. 13
BSAU #14, Sec. 13
BSAU #2, Sec. 24

Well #1, Sec. 24

BSAU #15, Sec. 13
BSAU #14, Sec. 13
BSAU #4, Sec. 19
BSAU #13, Sec. 18
BSAU #2, Sec. 24
McClellan Atl.Fed, Sec. 24

Well #3, Sec. 19

BSAU #13,Sec. 18
BSAU #4, Sec. 19
BSAU #1, Sec. 24
Union Fed.18, Sec. 18

Well #11, Sec. 13

BSAU #7, Sec. 7
BSAU #5, Sec. 13
BSAU #14, Sec. 13
BSAU #15, Sec. 13
BSAU #10, Sec. 13
BSAU #1, Sec. 14

BLUITT SAN ANDRES UNIT

- BSAU #13 Drld. 2-11-70. 660' FS & WL, Sec. 12, T8S, R37E
TD 4675', PBTD 4647'. 12-1/4" hole - 8-5/8" 28# csg Set @ 291' w/150 sx.
7-7/8" hole - 5-1/2" 15.5# csg set @ 4665' w/200 sx. Perf 4613-38
- BSAU #9 Drld. Jan, 1970. 660' FEL & 1980' FSL, Sec. 14, T8S, R37E
TD 4800', PBTD 4605'. 12-1/4" hole - 8-5/8" csg set @ 298 w/150 sx.
7-7/8" hole - 5-1/2" csg set @ 4788' w/200 sx. Perf 4518-4579
- BSAU #15 Drld. 10-2-77. 660' FSL & 1980' FEL, Sec. 13, T8S, R37E.
TD 4750', PBTD 4727'. 12-1/4" hole - 8-5/8" 24# csg @ 402' w/325 sx.
7-7/8" hole - 4-1/2" 10.5# csg @ 4740' w/1500 sx. Perf 4630 - 4660
- BSAU #14 Drld 7-19-69. 660' FSL & 1980' FEL, Sec. 13, T8S, R37E
TD 4733. 12-1/4" hole - 8-5/8" 28# csg @ 294' w/150 sx
7-7/8" hole - 4-1/2" 9.5# csg @ 4733' w/200 sx. Perf 4669-4698
- BSAU #2 Drld. 4-21-69. 554' FNL & 1874' FEL, Sec. 24, T8S, R37E
TD 4750'. PBTD 4732. 11" hole - 8-5/8" 20# csg @ 315' w/200 sx
7-7/8" hole - 4-1/2" 9.5# & 10.5# csg @ 4750' w/275 sx. Perf 4703-4729
- BSAU #7 Drld 12-11-68. 1980' FNL & 1980' FEL, Sec. 13, T8S, R37E
TD 5050'. 12-1/4" hole - 8-5/8" csg @ 309' w/150 sx
7-7/8" hole - 4-1/2" csg @ 4793' w/200 sx.
- BSAU #13 Drld 2-8-69. 660' FSL & WL. Sec. 13, T8S, R38E
TD 4733'. 12-1/4" hole - 8-5/8" 20# csg @ 293' w/175 sx
7-7/8" hole - 5-1/2" 14# csg @ 4733' w/275 sx. Perf 4690-4712

TODD LOWER SAN ANDRES UNIT

- TLISA #13 Drld. 4-17-66. 610.5 FWL & 660' FSL, Sec. 30, T7S, R36E
TD 4315. 12-1/4" hole - 8-5/8" 24# csg @ 285' w/150 sx
7-7/8" hole - 5-1/2" 14# csg @ 4305' w/250 sx. Perf 4234-4257
- TLISA #16 Drld 1-6-68. 660' FSL & 660' FEL, Sec. 30, T7S, R36E
TD 4296'. 12-1/4" hole - 8-5/8" 24# csg @ 292' w/150 sx
7-7/8" hole - 5-1/2" 14# csg @ 4296' w/275 sx. Perf 4239-4272
- TLISA #15 Drld 7-15-67. 660' FSL & 1980' FEL, Sec. 19, T7S, R36E
TD 4318'. PBTD 4287'. 11" hole - 8-5/8" 24 & 32# csg @ 357' w/250 sx.
7-7/8" hole - 4-1/2" 10.5# csg @ 4318' w/350 sx. Perf 4235-4280
- TLISA #7 Drld 5-25-65. 1650' FNL & 1650' FEL. Sec. 25, T7S, R35E
TD 4351. PBTD 4328. 12-3/4" hole - 8-5/8" 20# csg @ 266' w/150 sx
7-7/8" hole - 4-1/2" 9.5# 4340' w/300 sx. Perf 4236-4284
- TLISA #12 Drld 9-27-66. 611.3' FWL & 1980' FSL, Sec. 30, T7S, R36E.
TD 4290. 12-1/4" hole- 8-5/8" 24# csg @ 281' w/160 sx
7-7/8" hole - 5-1/2" 15.5# csg @ 4290' w/250 sx. Perf 4232-4266
- TLISA #15 Drld 12-30-68. 660' FSL & 1980' FEL, Sec. 29 T7S, R36E
TD 4330'. PBTD 4302'. 12-1/4" hole - 8-5/8" 24# csg @ 329' w/250 sx.
7-7/8" hole - 4-1/2" 9.5# csg @ 4330' w/300 sx. Perf 4236-96
- TLISA #14 Drld 8-15-73. 660' FSL & 2180' FWL, Sec. 29, T7S, R36E
TD 4326'. PBTD 4297'. 12-1/4" hole - 8-5/8" 24# csg @ 317' w/275 sx
7-7/8" hole - 4-1/2" 9.5# csg @ 4326' w/300 sx. Perf 4249-4290
- TLISA #12 Drld 3-25-88. 19890' FSL & 710' FWL, Sec. 29, T7S, R36E
TD 4400. PBTD 4359. 12-1/4" hole - 8-5/8" 24# csg @ 391' w/250 sx
7-7/8" hole - 5-1/2" 15.5# Csg @ 4399' w/1250 sx. Perf 4253-4273
- TLISA #16 Drld 1-20-66. 660' FSL & EL, Sec. 25, T7S, R35E
TD 4307'. 12-3/4" hole - 8-5/8" 24# csg @ 272 w/150 sx
7-7/8" hole - 4-1/2" 9.5# csg @ 4306' w/250 sx. Perf 4220-4280
- TLISA #1 Drld 2-13-65. 990' FN & EL, Sec. 36, T7S, R35E
TD 4325', PBTD 4286'. 12-1/4" hole - 8-5/8" 24# csg @ 363' w/250 sx
7-7/8" hole - 4-1/2" 9.5# csg @ 4325' w/200 sx. Perf 4235-4280
- TLISA #2 Drld 1-9-65. 990' FN & 2310' FEL, Sec. 36, T7S, R35E
TD 4440', PBTD 4396'. 12-1/4" hole - 8-5/8" 24# csg @ 356' w/250 sx.
7-7/8" hole - 4-1/2" 9.5# csg @ 4400' w/ 200 sx. Perf 4236-87
- TLISA #10 Drld 11-1-67. 2180' FS & 1980' FEL, Sec. 31, T7S, R36E
TD 4333'. 12-1/4" hole - 8-5/8" 24# csg @ 301' w/150 sx.
7-7/8" hole - 5-1/2" 14# csg @ 4333' w/250 sx

TLSA #7 Drld 7-8-71. 1830' FN & 1980' FEL, Sec. 31, T7S, R36E
 TD 4305'. 12" hole - 8-5/8" 24# csg @ 285' w/150 sx.
 7-7/8" hole - 5-1/2" 14# csg @ 4305' w/300 sx. Perf 4255-4290

TLSA #2 Drld 1-9-65. 990' FNL & 2310' FEL, Sec. 36, T7S, R35E.
 TD 4440' PBTD 4396'. 12-1/4" hole - 8-5/8" 24# csg @ 356' w/250 sx
 7-7/8" hole - 4-1/2" 9.5# csg @ 4400' w/200 sx. Perf 4236-87

TLSA #9 Drld 5-23-65. 1980' FSL & 660' FEL, Sec. 36, T7S, R35E
 TD 4370', PBTD 4338. 11" hole - 8-5/8" 24# csg @ 372' w/250 sx
 7-7/8" hole - 4-1/2" 9.5# csg @ 4372' w/200 sx. Perf 4325-4276

TLSA #8 Drld 4-22-66. 1980' FNL & 660' FEL. Sec. 35, T7S, R35E
 TD 4358' PBTD 4348'. 9-7/8" hole - 7-5/8" 15 & 28# csg @ 357' w/200 sx
 6-3/4" hole - 4-1/2" 11.6# csg @ 4358' w/500 sx. Perf 4256-4297

TLSA #1 Drld 9-14-64. 990' FE& NL, Sec. 35, T7S, R35E
 TD 4400', PBTD 4369'. 9-7/8" hole - 7" 17# csg @ 339' w/200 sx
 6-3/4" hole - 2-7/8" 6.5# csg @ 4399' w/500 sx. Perf 4235 - 4278

TLSA #5 Drld 4-3-67. 660' FWL & 1980' FNL, Sec. 35, T7S, R35E
 TD 4360', PBTD 4350'. 9-5/8" hole - 7-5/8" 15.28# csg @ 357' w/200 sx
 6-3/4" hole - 4-1/2" 9.5# csg @ 4360' w/500 sx. Perf 4280-4320

TLSA #6 Drld 6-14-66. 1980' FW & NL, Sec 35, T7S, R35E
 TD 4355' PBTD 4339'. 11" hole - 7-5/8" 15.28# csg @ 320 w/200 sx
 6-3/4" hole - 4-1/2" 11.6# csg @ 4355' w/500 sx. Perf 4262-4306

LEASE & WELL No. TODD 3610
FIELD TODD Lower SAN ANDRES

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

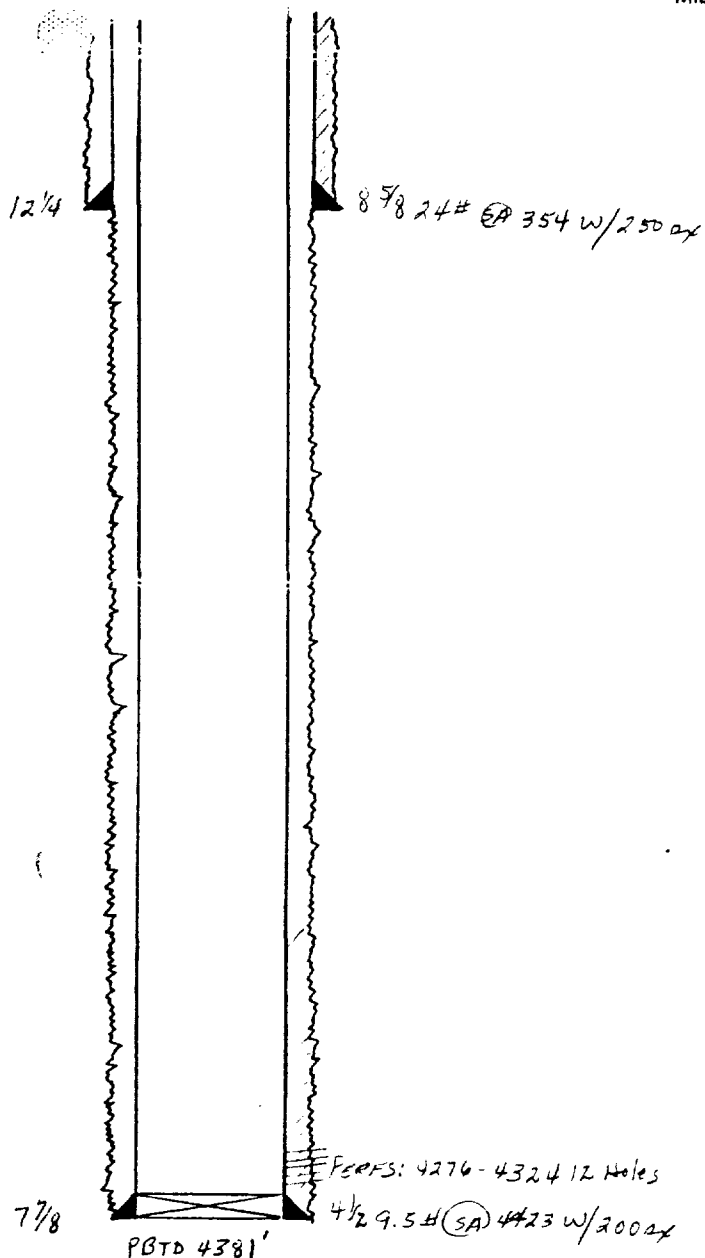
2110FSL 1980 FEL SEC 36
LOCATION T7S, R35E Roosevelt Co
ELEV. KB 4171 BY 200 DATE 3-20-90
GL 4158

Well History Originally Sun N/M AY#4 STATE
8-2-67 Frac'd w/ 30,000 gal & 40,000 #

LAST TEST 11-1-89 OBUX 78BW

Current Configuration

4300' 2 3/8" tbg
1625' 3/4" rods
2625' 5/8" rods
2x1 1/2 x 12' pump



Completion: 4-25-65 Perfs 4276, 91, 97, 4307, 20, 24
2 JSPF
ACIDIZED w/ 1250 gal.

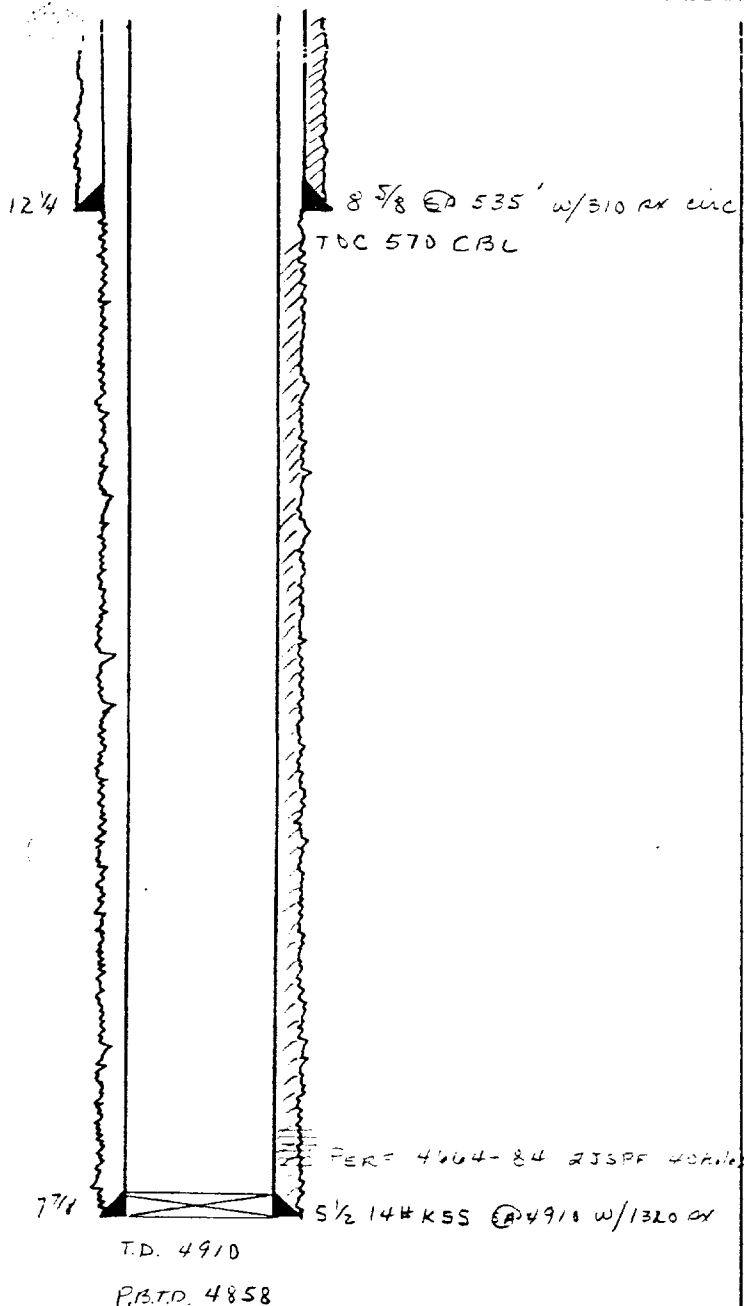
LEASE & WELL No. BSAU 1302
FIELD _____

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

660 FNL & 1980 FEL Sec 13

LOCATION T8S, R37E, Roosevelt Co, NM
ELEV. KB 4017 BY SDO DATE 4-22-90
GL 4004.5

Well History



Completion: 4-11-90 Perf 4664-84 2ISPF 40 holes
Acidized w/2500 Gal 15% HCl
NCl BDA AP2900#, AIR 7.8 BPM ISP VAC
Installed PE 2 3/8 SN @ 4703.47 KB
GSAPI string

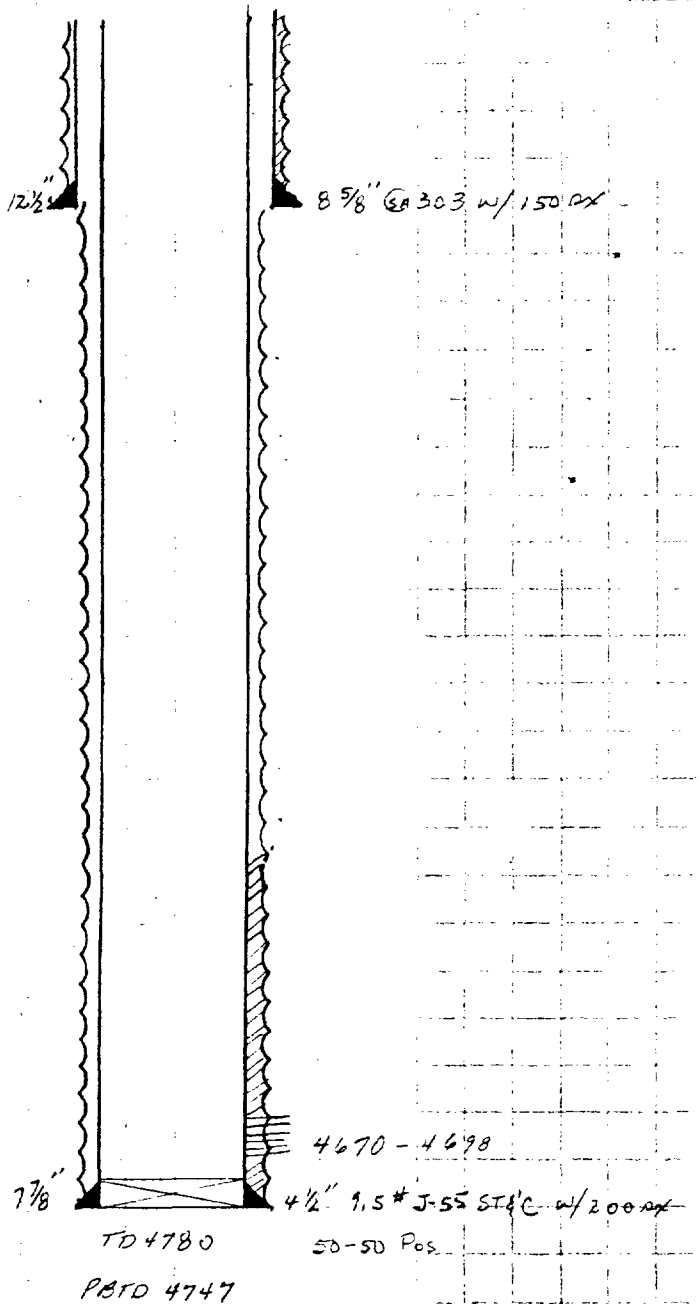
LEASE & WELL NO. Blut # 1308
FIELD Blut SAN Andres Unit

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

1980 FAL 4' 600 FEL SEC 13
LOCATION T8S, R37E Roosevelt Co
ELEV. KB GL 3995 BY DATE

Well History

9-26-88 PBD 4721.22' ACIDIZED w/2000 gal



Completion: 2/26/69 Perforated 4670, 72, 77, 83, 85
92, 94, 98

LEASE & WELL NO. BLUITT #1305
FIELD BLUITT SAN ANDRES

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

LOCATION 1960' ENL # 660' ENL
SEC. 13 - T2S - R37E
ELEV. KB BY JRS DATE 1-23-90
GL 4006'

Well History

drld 12 1/4" hole to 315'. ran 296' 8 5/8" 28" CSG, set @ 307' KB, cmt'd w/ 150 Sx Class A w/ 27% CaCl₂. Circulated cement to surface.

307' →
(12 1/4" CH to 315')

see latest perms
(4608' - 4637' 12 holes)

4608' 4609' 4613' 4623' 4627'
4630' 4635' 4636'

TD 4740' →
(7 1/8" CH from 307' - 4740')

per Sunday report dated 9-26-88, cleaned well w/ bit & scraper to 4714.3', set cement retainer @ 4673' and squeezed w/ 50 Sx Class C w/ 27% CaCl₂. set second cement retainer @ 4566' - squeezed perms w/ 120 Sx class C w/ 27% CaCl₂, drld out 2nd retainer and cement to 4666', perf'd 1 hpf 4608', 4609', 4613', 4614', 4618', 4619', 4623', 4627', 4630', 4635', 4636', 4637' (12 holes), set pkr @ 4511' acidized down tbg w/ 4000 gals PAD acid w/ 24 ball sealers, balled out - flushed w/ 1E BFW, max rate 6.1 BPM, A.I.R. 3.5 BPM, max. press. 4500 psi, avg. press. 2500 psi, PLOH w/ tbg & pkr, WITH w/ prod. tbg, rods and pump - began pumping.

CONVERTED TO WIW 4-9-90

Ran SNP, LL, and MLL

Ran 152 lbs 4734' 5 1/2" 14", 15.5", 17" CSG. cmt'd w/ 200 Sx 50 EC liner P2 mix w/ 27% gel, 6" salt/sack, and 10" of #3 plaster sand/sack

Tops: SA 3610'
F₁ 4330'
P₁ 4463'
P₂ 4605'
P₃ 4681'

* 14" 104 Jts 3264.85'
15.5" 46 Jts 1434.04'
17" 2 Jts 66.12'

Completion: Ran CBL & GRNL, perf'd 1 hpf 4608', 4609', 4613', 4618', 4623', 4627', 4630', 4635', 4636' (2 shots @ 4609' & 4636') acidized down tbg w/ pkr set @ 4466' w/ 6000 gals. 15% HCl NE acid, ran 14 ball sealers in 5 stages formation BD @ 1500 psi, max. press. 3800 psi min. press. 3200 psi, 151P 900 psi, on vacuum in 100% Flowed. 24 QBOFD, O. B.W.P. GCR 730:1 FTP 125 psi on a 26/64" choke 7-17-69

9-15-69 72 Hour 31 BHP @ 4579' 939 psi 317 PPA psi
3-25-70 72 Hour 31 BHP @ 4579' 863 psi 217 PPA psi

LEASE & WELL No. BLUETT #1303
FIELD BLUETT SAN ANDRES

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

587' FNL & 1849.3' FNL
LOCATION SEC 13 - T5S - R37E
Elev. KB 4022 BY JRS DATE 1-22-90
GL 4011

Well History

drd 12 1/4" hole to 312', Ran 44Hs 8 5/8" 2E" to 292.10', Circulated and cemented w/ 150 SX Class "C" w/ 2% CaCl₂ csg set @ 303' KB

NOTE: 8-29-86 Pulled & LD 54-7/8" rods, 105-3/4" rods, 1-2' x 3/4" pny rod, 18'-7/8" pny rods, 1 1/4" x 18' PR, 1 1/2" x 1 1/4" x 6' PRL, 2" x 1 1/2" x 12' RWB Pump, 150 Hs 2 3/8" 4.7*J55 EUE tbg, 10'-2 3/8" tbg Subs. Rods & tbg to Todd yard, pump to Southwest Valve - move unit to NECS #13.

* WELL RETURNED TO PRODUCING STATUS BY SUNDRI NOTICE REPORT DATED 1-20-88 - NO REPORT IN THE FILE AS TO EQUIPM'T RUN IN WELL.

Converted to WIW 4-17-90

Ran Sidewall Neutron-porosity log, Latickey and microlateral log

Ran 4751.07' (146 Hs) 4 1/2" 9.5" J55 csg, Cmt'd w/ 200 SX 50:50 Incor Poz w/ 2% gel, 6" salt/sack, 10" sand/sack

32' of upper P-2 porosity greater than 5%, average SW about 25%.

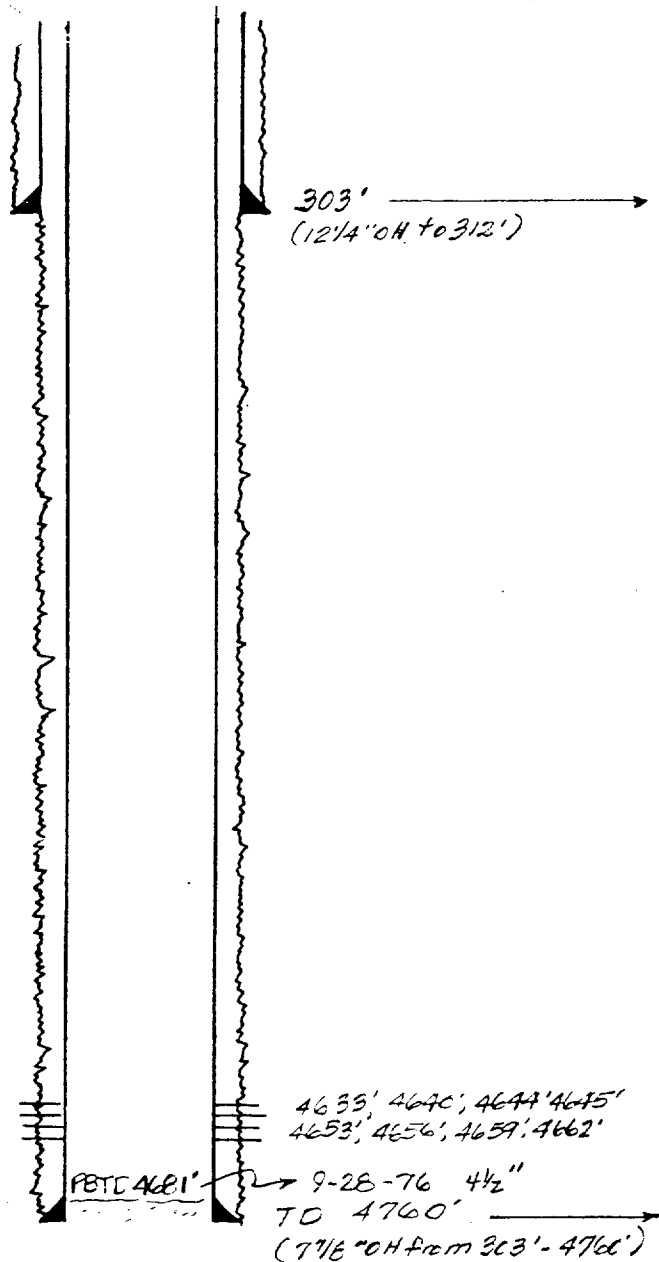
Tops: S.A. 3235'
P_i 4357'
P-1 4494'
P-2 4631'
P-3 4704'

Completed 7-15-69

72 Hour SIBHP @ 4590' 9-15-69 1135 psi (Grad. C.C36) Calc. perf mid-point of 4648' is 1137 psi SITP 920 psi
3-25-70 SIBHP 845 psi SITP 720 psi

Completion: Ran CBL & GRNL perf'd 14pf 4633', 4640', 4644', 4645', 4653', 4656', 4659', and 4662' - acidized w/ 6000 gals 15% HCl NE acid, pkr set @ 4505', tr'd down 2 3/8" tbg - 6 balls in each of 35 frames, BD @ 100 psi - max. press. 4500 psi, 15 HP 200 psi 1444 ft 10.1 min. - flowed at the rate of 550 Bbls/day on a 24/64" choke

9-28-76 acidized w/ 250 gals 15% HCl @ 0 pressure - 51 on vacuum, A.I.R 2.2 BPM in 2 chrs pumped 20 EO + 5 BW (2" x 1 1/2" x 12')



LEASE & WELL No. BLUETT #1311
FIELD BLUETT SAN ANDREAS

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

1980' FS & WL
LOCATION SEC. 13 - T6S - R37E
Elev. KB 4609' JRS DATE 1-25-90
GL 3997.5

Well History

Ran 14 JTS 292.45' $E\frac{5}{8}" 28"$ csg set @ 304' KB.
Cmtd w/ 150SK w/ 2% $CaCl_2$, cmf circ. to surface

Converted to WVI 4-13-90

12-3-57 pulled prod. tbg. W/H w/ tbg and PKR, acidize
perfs w/ 2400 gals. 15% HCl NE WS 3E acid mixed w/
Xylene (400 gals) w/ 18 ball sealers - balled off
max. press. 3200 psi avg. press. 0 A.I.R. $3\frac{1}{2}$ BPM
151P Vacuum - PCH LD PKR W/H w/ Prod.
tbg. 15' MA, FN, SN, 149 JTS. $2\frac{3}{8}" 4677.30'$
Pump 2" X $1\frac{1}{2}"$ X 12', $\frac{3}{4}" \pm 5/8"$ rods.

Ran SWNL, ML and LL

Ran 4786.82' $4\frac{1}{2}" 9.5"$ J55 csg and set @ 4800' cmf
w/ 200 SK 50:50 linear Pz w/ 27.9 gal, 6# salt/sack and
0.6% CFR-2, 10# sand/sack.

TOPS: San Andres 3828'
P₁ marker 4345'
F₁ 4481'
P₂ 4621'
F₃ 4694'

P₂ zone 4621'-55' has 28' ϕ > 57. SW 127.

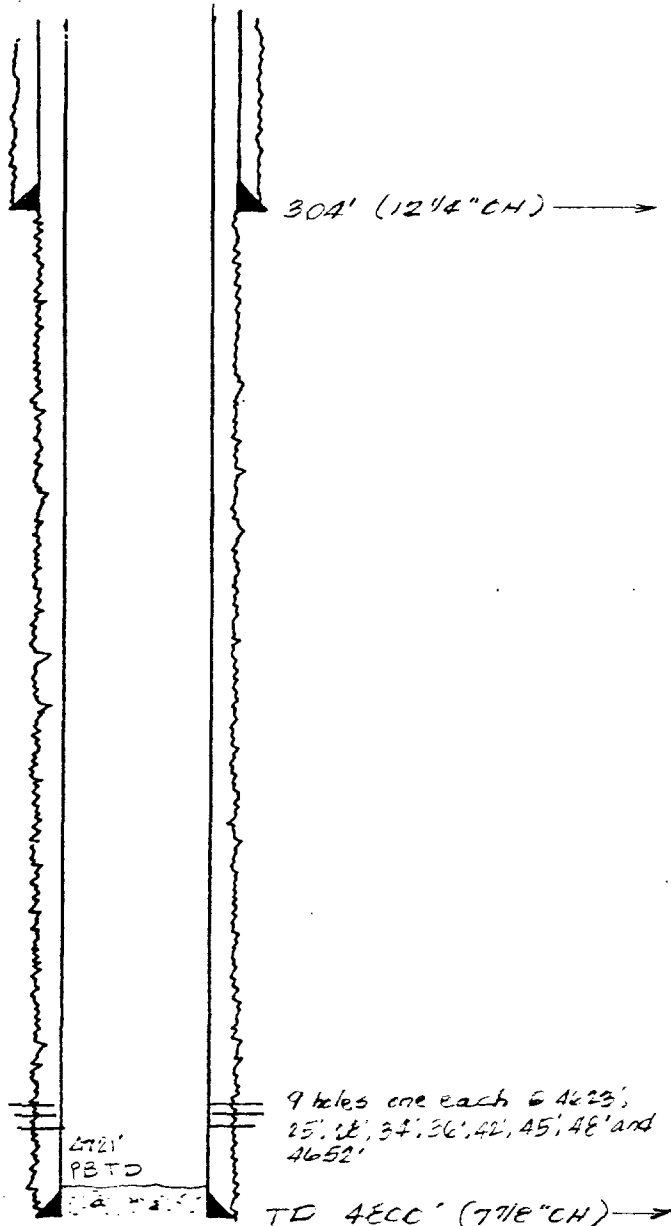
Lower P₂ zone. 4670'-84' is only slightly permeable and
SN > 307. - P₃ zone. good ϕ and K but high SW

4-16-69 51BHP 1284 psi @ 4638', SITP 140 psi
3-12-69

9-15-69 72Hour 51BHP 1120 psi @ 4564' SITP 96 psi

3-25-76 72Hour 51BHP 953 psi @ 4569' SITP 89 psi

ORIGINAL
Completion: Ran GRN - CCL, perf'd 9 holes,
1 each @ 4623', 25', 34', 36', 42', 45', 48', 52'
trtd w/ 6000 gals. 15% HCl DS-3C acid 4 stages
of 2 balls/stage. max. press. 4700 psi. avg.
press. 3200 psi, A.I.R. 4.1 BPM, 151P 600 psi,
3 min SIP 100 psi. Potential flow 230
BOPD, neutr. 239 MCFGPD on a $2\frac{3}{4}"$ choke
110 psi 2-26-69



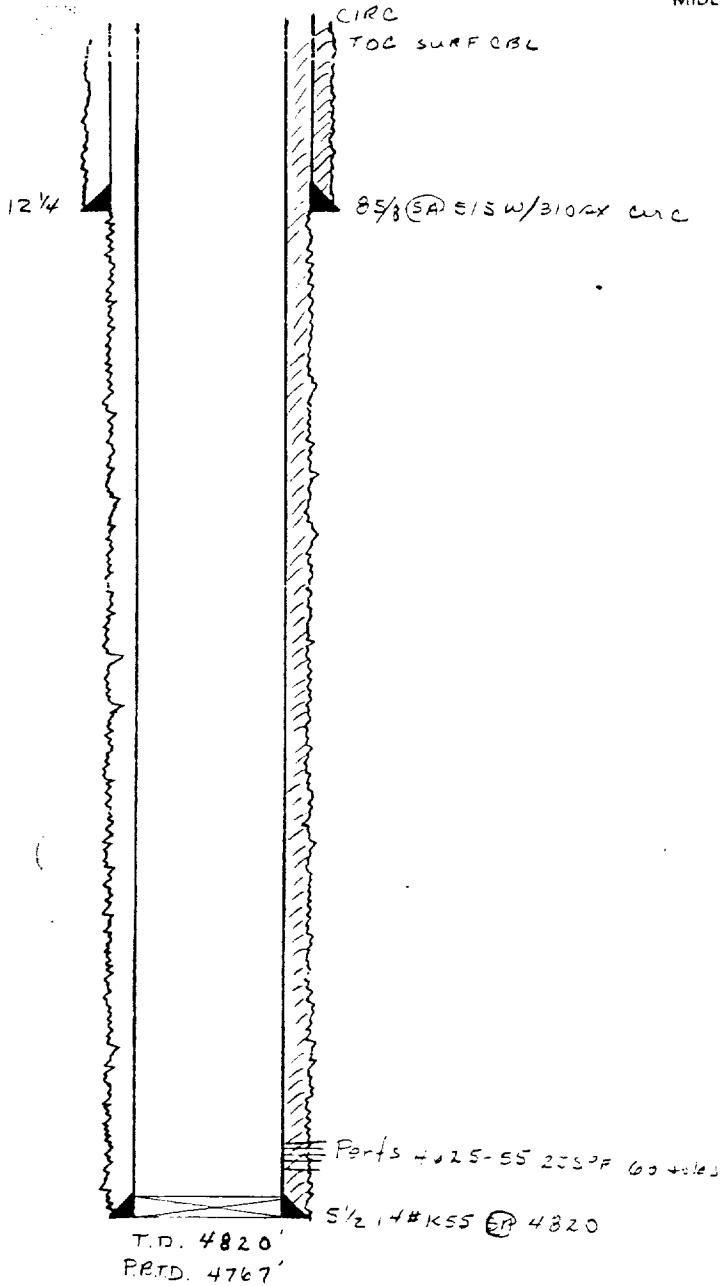
1980FNEWL 50013

LEASE & WELL NO. BSAU 1306
FIELD BSA

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

LOCATION T8S, R37E, Roosevelt Co. NM
Elev. KB 4028
GL 4016 BY SDO DATE 4-23-90

Well History



Completion: 4-19-90 Perforated 4025-55 ZSSPF 60 holes
Acidized w/2500 gal 15% NEEF HCL 150A
A.P. 2900 # AIR 7.2 BPM 351 P.VAC
Installed P.E.: 2 3/8 SN #476.05 KB
GVAPI string

LEASE & WELL No. Blumitt 1310
FIELD Blumitt San Andres (land)

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

1980' FS & EL 58213

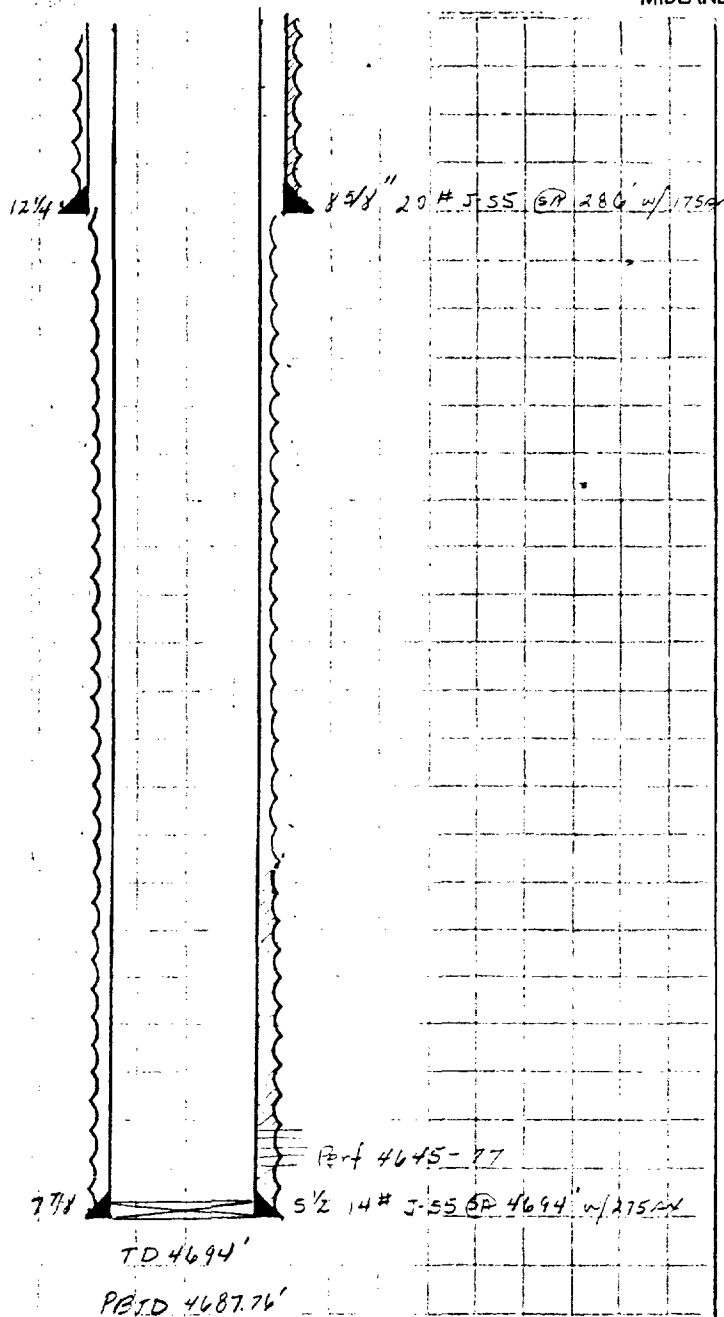
LOCATION T8, R37E
ELEV. KB GL 3997.5 BY SDO DATE _____

Well History

7-26-88 Perf 4645, 48, 51, 54, 57, 61, 67, 72, 75, 77

ACIDIZE w/ 2000 15% ATP 3000 AIR 4.3 ISIP VAL

11-17-68



Completion: 12-22-68 Perforated 4645, 48, 49, 51, 57, 58
61, 67, 69
ACIDIZED w/ 9020 gal

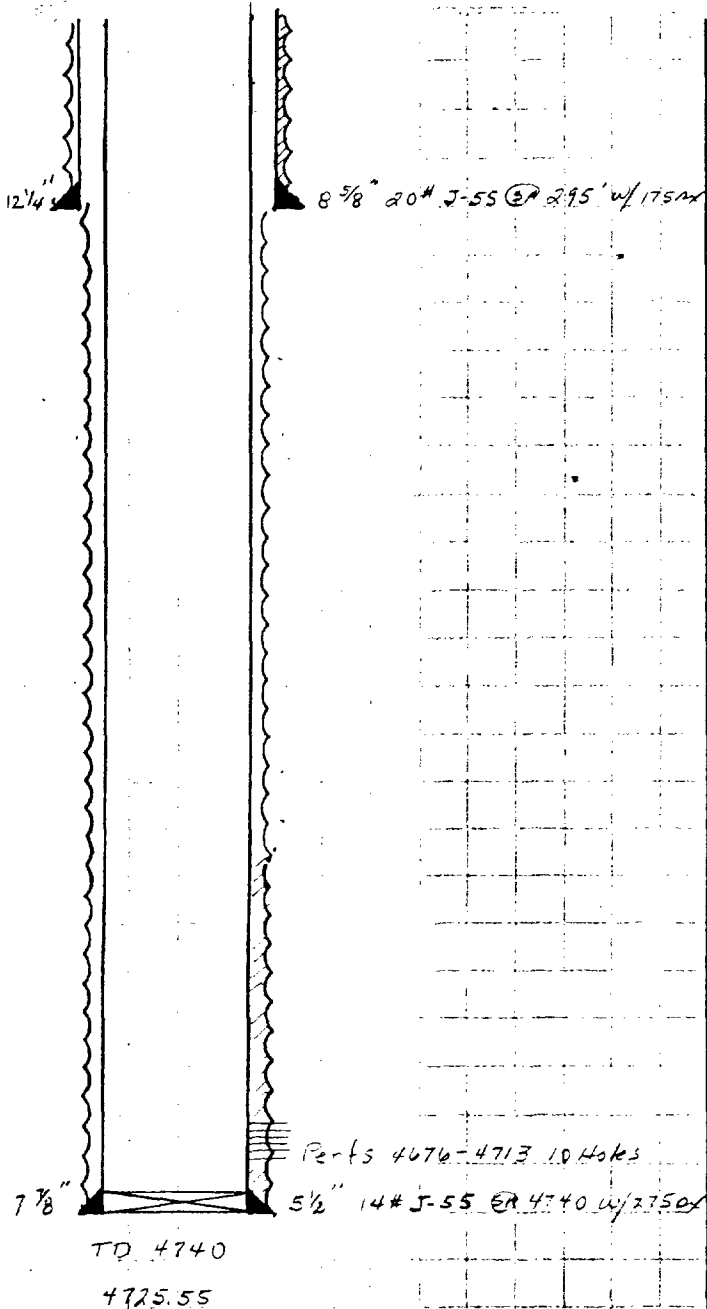
LEASE & WELL No. Bluett 1812
FIELD Bluett San Andres Unit

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

1980 FSL & 660 FWL SEC 18
LOCATION T8S, R38E Roosevelt CO
ELEV. KB 3996
GL 3985 BY SDO DATE 6-25-80

Well History

N 1/4 12-11-6.



Completion: 7-26-90 Perforated 4676, 82, 86, 90, 93
95, 4701, 03, 10, 13
ACIDIZE w/ 2000 GAL NEEF
ATP 1200, AIR 47, ISIP VAC

W1999R ACS/VEL/GR

COUNTY ROOSEVELT FIELD Bluit, E. STATE NM 30-041-20176
OPR RODEN OIL CO. MAP

1 Roden Bluit Federal

Sec 18, T-8-S, R-38-E

2086' FNL, 554' FWL of Sec.

Spd 1-18-69

Cmp 2-27-69

CLASS

CO-ORD

EL 3998E

CSG & SX - TUBING

8 5/8" at 301' w/200 SX

5 1/2" at 4738' w/275 SX

FORMATION

DATUM

FORMATION

DATUM

LOGS EL GR RA IND HC A

TD 4738'

IP (San Andres) Perfs 4697-4717' P 52 BOPD + 23 BW. Pot based
on 24 hr test, GOR 500, Grav 33.6

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CONT
DATE

PROP DEPTH 4750' TYPE

	F.R. 1-23-69; Opr's Elev. 4005' GL
	PD 4750' (San Andres)
1-30-69	AMEND TO ADD REFERENCE NUMBER
1-27-69	TD 4738'; Prep Perf
2-4-69	TD 4738'; Swbg
	Perf 4697-4717' w/10 shots
	Acid (4697-4717') 3500 gals
	Swbd 35 BO + 25 BW + 40 B Emulsion in 8 hrs
2-10-69	TD 4738'; WO Ppg Equip.
	Swbd 60 BF in 5 hrs (25% oil, 35% wtr & 40% Emulsion)
2-17-69	TD 4738'; WO Pmp
2-24-69	TD 4738'; TO Pmp
	Ppd 95 BF (5% wtr) in 24 hrs
3-3-69	TD 4738'; COMPLETE
3-6-69	COMPLETION REPORTED.

W2446N COM/F/D/GR

COUNTY	ROOSEVELT	FIELD	Bluitt, E.	STATE	NM 30-041-20206
OPR	UNION OIL CO. OF CALIFORNIA			MAP	
	1 Federal "18"				
	Sec 18, T-8-S, R-38-E			CO-ORD	11
	660' FSL, 1980' FEL of Sec.				
	Spd 5-21-69				
	Cmp 6-15-69			CLASS	EL 3989E
		FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING					
8 5/8" at 308' w/175 sx					
4 1/2" at 4769' w/300 sx					
LOGS EL GR RA IND HC A					
	TD 4769'				
IP (San Andres) Perfs 4717-39' P 100 BOPD + 8 BW. Pot based on 24 hr test, GOR 840, Grav 22.4					

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CONT
DATE

PROP DEPTH 4900'

TYPE

F.R. 5-13-69
PD 4900' (San Andres)
5-26-69 Drlg. 1770' RB
6-3-69 TD 4769'; WO Comp
Cored 4695-4769', rec 74' anhy dolo w/scat
poro & shows
6-9-69 TD 4769'; Prep swab
Perf @ 4717', 4719', 4722', 4724', 4729',
4731', 4733', 4739' w/1 SPI
Acid (4717-39') 3000 gals
Swbd 64 BF (50% oil, 50% AW) in 8 hrs
(4717-39')
Acid (4717-39') 6000 gals
6-17-69 TD 4769'; TO Pmp
Ppd 92 BO + 13 BW in 21 hrs 30 min
6-23-69 TD 4769'; COMPLETE

ROOSEVELT	Bluitt, E.	NM Sec 18, T-8-S, R-38-E
UNION OIL CO. OF CALIFORNIA	# 1 Federal "18"	Page 2

6-23-69	Continued
	LOG TOPS: Anyydrate 2078', Yates 2680',
	San Andres 3980'
6-26-69	COMPLETION REPORTED

LEASE & WELL No. Blumitt 1904
FIELD Blumitt San Andres Unit

PLAINS PETROLEUM
415 W. Wall, Suite 2110
MIDLAND, TEXAS 79701

660FWL, 510FWL 50219
LOCATION T8S, R38E Roosevelt Co.
Elev. KB _____ BY _____ DATE _____
GL 4010

Well History

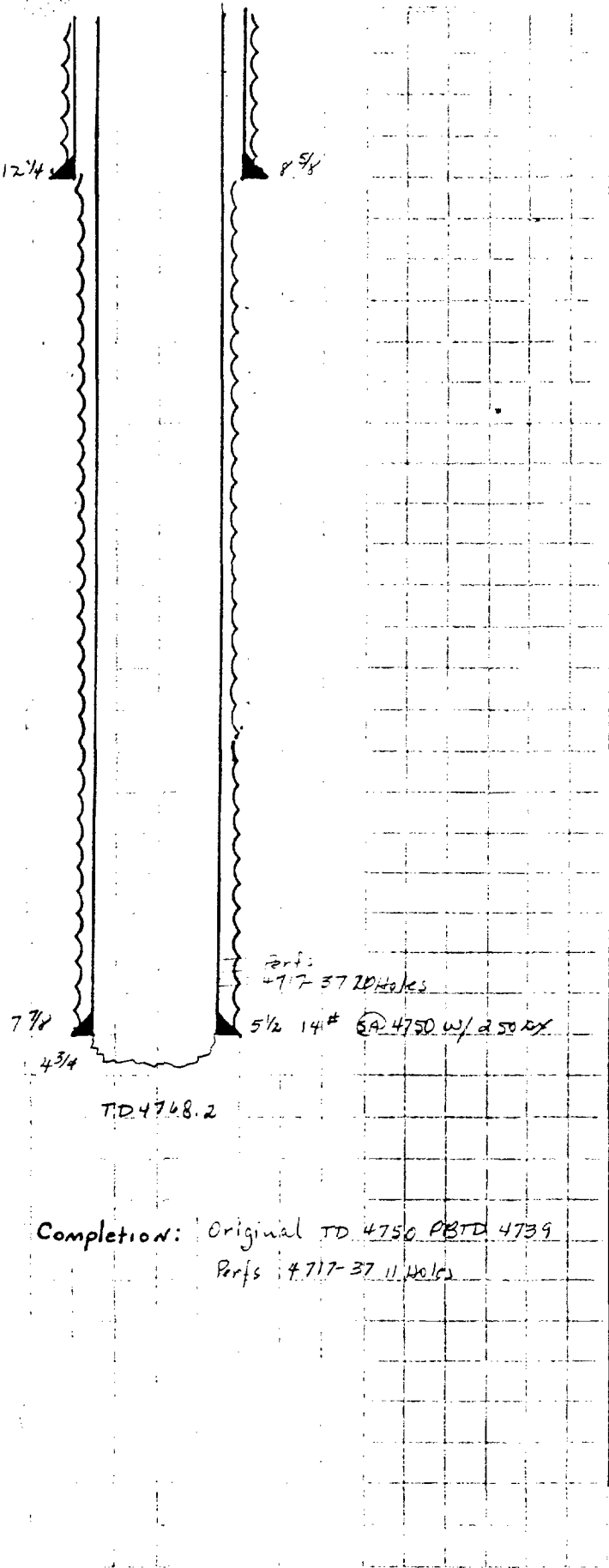
9-24-88 Deepend to 4768.2'. Perfed 4718, 20, 24, 26

28, 30, 32, 34, 36

Acidized w/ 3750 gal NEFE

ATP 1389 AIR 4.2 ISIP 1020

Perf 3 - 175



W9875W

X
4

COUNTY	ROOSEVELT	FIELD	Bluitt	STATE	NM	30-041-20204
OPR	MC CLELLAN, JACK L.			MAP		
	1 Atlantic-Federal			CO-ORD	✓	
	Sec 24, T-8-S, R-37-E					
	2130' FSL, 660' FEL of Sec.					
	Spd 5-9-69			CLASS	EL 39978	
	Cmp 12-14-69			FORMATION	DATUM	FORMATION DATUM
CSG & SX - TUBING						
8 5/8" at 310' w/175 sx						
4 1/2" at 4909' w/275 sx						
LOGS EL GR RA IND HC A						
				TD 4909'	PBD 4884'	

IP(San Andres) Perfo 4802-21½' CAOF 2630 MCFGPD, GOR dry, Grav, (Gas) .785, SIWHP 1235#

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CONT	Verna	PROP DEPTH	4850'	TYPE
DATE				

F.R. 5-6-69
PD 4850' - San Andres
Contr. - Verna
4-9-70 AMEND FIELD NAME: Formerly reported as
Bluitt, E.
5-12-69 Drlg. 4196'
5-19-69 TD 4909', WOC
6-26-69 TD 4909', Prep to perf
6-29-69 TD 4909', Tight
7-1-69 TD 4909', PBD 4884', WO Potential
Perf @ 4802', 4803', 4808', 4809', 4810',
4815', 4817½', 4818', 4820', 4821½' w/2 SPI
Acid (4802-21½') 5000 gals
Frac (4802-21½') 15,000 gals wtr + 20,000# sd
Flwd 485 MCFGPD
7-29-69 TD 4909', PED 4884', WO Potential

ROOSEVELT Bluitt NM Sec 24, T8S, R37E
MC CLELLAN, JACK L. 1 Atlantic-Federal Page 2

8-6-69 TD 4909', PBD 4884', WO Pot
8-18-69 TD 4909', PBD 4884', WO Pot
8-27-69 TD 4909', PBD 4884', WO Pot
10-27-69 TD 4909', PBD 4884', WO Pot (Final posting until
 complete)
4-6-70 TD 4909', PBD 4884', COMPLETE
 (San Andres) FOUR POINT GAUGES:
 Flwd 952 MCFGPD, 3/16" ch, 1 hr, TP 1137#
 Flwd 1460 MCFGPD, 1/4" ch, 1 hr, TP 1001#
 Flwd 1801 MCFGPD, 5/16" ch, 1 hr, TP 833#
 Flwd 2025 MCFGPD, 3/8" ch, 1 hr, TP 650#
 LOG TOPS: Rustler 2315', Yates 2795', San

4-9-70 Andres 4052'
COMPLETION REPORTED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUP 10*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		6. LEASE DESIGNATION AND SERIAL NO. NM044216-C	
2. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DREG-EN ☐ PLUG BACK ☒ DIFF. REVR. ☐ Other _____		7. LEASE AGREEMENT NAME	
3. NAME OF OPERATOR Tom L. Ingram		8. FARM OR LEASE NAME Federal E	
9. ADDRESS OF OPERATOR P08 1757, Roswell, New Mexico 88201		9. WELL NO. #1	
10. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*. At surface 660' FNL 1980 FWL of Section 24 At top prod. interval reported below Same At total depth Same		10. FIELD AND POOL, OR WILDCAT Bluitt San Andres Assoc.	
11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA Sec. 24, T-8-S, R37-E		12. COUNTY OR PARISH Roosevelt	
13. PERMIT NO. W0 7/18/72		13. STATE New Mexico	
14. DATE SPUDDED 7/18/72		14. DATE T.D. REACHED 8-19-72	
15. DATE COMPL. (Ready to prod.) 8-19-72		15. ELEVATIONS (OF, RKB, RT, OR, ETC.)* 4003 DF	
16. TOTAL DEPTH, MD & TVD 4830		16. PLUG BACK T.D., MD & TVD 4714	
17. IF MULTIPLE COMPL. HOW MANY*		17. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
18. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4618 - 4691 San Andres		18. WAS DIRECTIONAL SURVEY MADE	
19. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray - Neutron Log		19. WAS WELL CORED Yes-by original operator.	
20. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8	32	339	11"
4-1/2	10.5	4830	7-7/8"
21. CEMENTING RECORD			
AMOUNT CEMENT		AMOUNT CEMENT	
375 sacks		200 sacks	
circulated		0	
22. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SCREEN (MD)
2-3/8	4504	4504	
23. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8	4504	4504	
24. PERFORATION RECORD (Interval, size and number)			
1 shot per foot @ 4618, 20, 36, 38, 43, 49, 4650, 68, 69, 73, 74, 75, 81, 83, 85, 89, 91.			
25. AND 911. FACTURE, CEMENT SQUEEZE, ETC.			
AMOUNT AND KIND OF MATERIAL USED			
20,000 gal. gel brine and			
000 sand			
26. PRODUCTION			
DATE FIRST PRODUCTION 8-19-72			
PRODUCTION flowing			
DATE OF TEST 8-19-72			
HOURS TESTED various			
FLOW, TUBING PRESS. CASING PRESS. 24-HR. AVE. OIL—BSL. GAS—MCF. WATER			
765-940 0 -0- 1,130 (CAOH)			
27. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented			
28. LIST OF ATTACHMENTS C-122, Slope, Data, C-102.			
29. I hereby certify that the foregoing information is complete and correct as determined from all available records.			
SIGNED <i>Tom L. Ingram</i> TITLE Operator DATE 9/5/71			

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUP. DATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-044216-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "E"

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

Sec. 24-T8S-R37E

12. COUNTY OR
PARISH

Roosevelt

13. STATE

N. Mex.

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

TOM L. INGRAM

3. ADDRESS OF OPERATOR

P. O. Box 1757, Roswell, New Mexico 88201

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

At surface 554 FNL & 1874 FEL of Section 24, T8S, R37E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

3/31/69

16. DATE T.D. REACHED

4/21/69

17. DATE COMPL. (Ready to prod.)

4/21/69

18. ELEVATIONS (DF, REB, RT, OR, ETC.)*

3987 Gr 3997 KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4750'

21. PLUG, BACK T.D., MD & TVD

4732'

22. IF MULTIPLE COMPL.
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

0 - T.D.

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4703 - 4725'

25. WAS DIRECTIONAL
SURVEY MADE

Totals only

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma-Ray-Neutron Log

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	28.3#	315'	11"	200 sx. w/2% Cal. Chl.	
4-1/2	9 1/2, 10 1/2 & 13.6	4750'	7-7/8"	275 sx. w/2% gel, 8% salt per sack & 3/4 of 1% CFR	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

10 holes @ 4703, 4705, 4707, 4709, 4711,
4716, 4717, 4724, 4725 and 4729

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4703-4729'	Treated w/3000 gals. DS-30.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4/21/69		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4/21/69	24 hours	20/64"	→	240	400	None	1667 : 1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
200	0	→	240	400	None	27	

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

Vented

TEST WITNESSED BY

Tom L. Ingram

35. LIST OF ATTACHMENTS

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

SIGNED

TITLE

Operator

DATE 4/21/69

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and logs on all types of lands and leases to either a Federal agency or a State agency, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required, by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		CORRECTIONS		REMARKS	
FACIES		DEPTH	THICKNESS	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE
SANDSTONE		0-10	10-20	10-20	20-30	30-40	40-50	50-60	60-70
SANDSTONE		20-30	30-40	30-40	40-50	50-60	60-70	70-80	80-90
SANDSTONE		40-50	50-60	50-60	60-70	70-80	80-90	90-100	100-110
SANDSTONE		60-70	70-80	70-80	80-90	90-100	100-110	110-120	120-130
SANDSTONE		80-90	90-100	90-100	100-110	110-120	120-130	130-140	140-150
SANDSTONE		100-110	110-120	110-120	120-130	130-140	140-150	150-160	160-170
SANDSTONE		120-130	130-140	130-140	140-150	150-160	160-170	170-180	180-190
SANDSTONE		140-150	150-160	150-160	160-170	170-180	180-190	190-200	200-210
SANDSTONE		160-170	170-180	170-180	180-190	190-200	200-210	210-220	220-230
SANDSTONE		180-190	190-200	190-200	200-210	210-220	220-230	230-240	240-250
SANDSTONE		200-210	210-220	210-220	220-230	230-240	240-250	250-260	260-270
SANDSTONE		220-230	230-240	230-240	240-250	250-260	260-270	270-280	280-290
SANDSTONE		240-250	250-260	250-260	260-270	270-280	280-290	290-300	300-310
SANDSTONE		260-270	270-280	270-280	280-290	290-300	300-310	310-320	320-330
SANDSTONE		280-290	290-300	290-300	300-310	310-320	320-330	330-340	340-350
SANDSTONE		300-310	310-320	310-320	320-330	330-340	340-350	350-360	360-370
SANDSTONE		320-330	330-340	330-340	340-350	350-360	360-370	370-380	380-390
SANDSTONE		340-350	350-360	350-360	360-370	370-380	380-390	390-400	400-410
SANDSTONE		360-370	370-380	370-380	380-390	390-400	400-410	410-420	420-430
SANDSTONE		380-390	390-400	390-400	400-410	410-420	420-430	430-440	440-450
SANDSTONE		400-410	410-420	410-420	420-430	430-440	440-450	450-460	460-470
SANDSTONE		420-430	430-440	430-440	440-450	450-460	460-470	470-480	480-490
SANDSTONE		440-450	450-460	450-460	460-470	470-480	480-490	490-500	500-510
SANDSTONE		460-470	470-480	470-480	480-490	490-500	500-510	510-520	520-530
SANDSTONE		480-490	490-500	490-500	500-510	510-520	520-530	530-540	540-550
SANDSTONE		500-510	510-520	510-520	520-530	530-540	540-550	550-560	560-570
SANDSTONE		520-530	530-540	530-540	540-550	550-560	560-570	570-580	580-590
SANDSTONE		540-550	550-560	550-560	560-570	570-580	580-590	590-600	600-610
SANDSTONE		560-570	570-580	570-580	580-590	590-600	600-610	610-620	620-630
SANDSTONE		580-590	590-600	590-600	600-610	610-620	620-630	630-640	640-650
SANDSTONE		600-610	610-620	610-620	620-630	630-640	640-650	650-660	660-670
SANDSTONE		620-630	630-640	630-640	640-650	650-660	660-670	670-680	680-690
SANDSTONE		640-650	650-660						

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
FRANKLIN, ASTON & FAIR, INC.

3. ADDRESS OF OPERATOR
P. O. Box 1090, Roswell, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1874' FWL & 554' FNL Sec. 19-8S-38E

At top prod. interval reported below

At total depth

14. PERMIT NO.	DATE ISSUED
----------------	-------------

15. DATE RUDDLED 4-15-69	16. DATE T.D. REACHED 4-25-69	17. DATE COMPL. (Ready to prod.) 5-2-69	18. ELEVATIONS (DF, RKE) 4002' KB. 3994'
-----------------------------	----------------------------------	--	---

20. TOTAL DEPTH, MD & TVD 4765'	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL. HOW MANY*	23. INTERVALS DRILLED BY
------------------------------------	-------------------------------	-------------------------------------	-----------------------------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Sonic, Lateral

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTIN
8 5/8'	20#	295' KB	12 1/4"	175 sx circ.
5 1/2"	14#	4765' KB	7 7/8"	275 sx

29. LINER RECORD					30.	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	

31. PERFORATION RECORD (Interval, size and number) 4724', 4726', 4727', 4728', 4732', 4734', 4744', 4746', and 4747'	32. ACID. SHOT. FRAC.				
	<table border="1"> <tr> <th data-bbox="746 1338 925 1342">DEPTH (MD)</th> <th data-bbox="925 1338 1029 1342">ACID</th> </tr> <tr> <td data-bbox="746 1342 925 1347">4724'-4747'</td> <td data-bbox="925 1342 1029 1347">Acid</td> </tr> </table>	DEPTH (MD)	ACID	4724'-4747'	Acid
DEPTH (MD)	ACID				
4724'-4747'	Acid				

[illegible]

33. • PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (<i>Flowing, gas lift, pumping—size and type of pump</i>)
5-2-69	Flowing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
5-3-69	24	24/64 ¹¹	→	140	70

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER
175#					

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

Vented

35. LIST OF ATTACHMENTS

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

SIGNED Grant M. Smith TITLE Geologist DATE May 5, 1969

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
San Andres	3900'				
Slaughter A	4580'				
1st Anhydrite	4687'				
Slaughter B	4708'				
T.D.	4765'				

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LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

Operator F. W. BAUMGARTNER d/b/a BAUMGARTNER OIL COMPANY	
Address 737 Grant Street, Denver, Colorado 80203	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well ☒	Change in Transporter of:
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Ownership ☐	Casinghead Gas ☐ Condensate ☐

If change of ownership give name and address of previous owner No

Lease Name Baumgartner - USA	Well No. 1	Pool Name, Including Formation Muitt; San Andres	Kind of Lease State, Federal or Fee Federal	Lease No. NM035853
Location				
Unit Letter <u> </u> 660 Feet From The <u>North</u> Line and 1980 Feet From The <u>East</u>				
Line of Section 19 Township 8 South Range 38 East , NMPM, Roosevelt County				

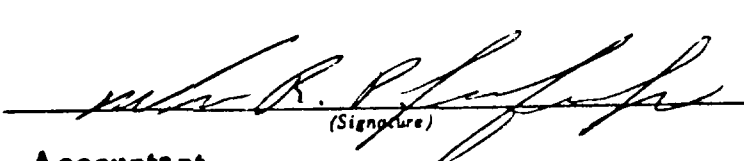
Name of Authorized Transporter of Oil ☐ or Condensate ☐		Address (Give address to which approved copy of this form is to be sent)				
Mobil Oil Corp. - Trucks		P.O. Box 900, Dallas, Texas 75221				
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐		Address (Give address to which approved copy of this form is to be sent)				
If well produces oil or liquids, give location of tanks.	Unit	Ser.	Twp.	Range	Is gas actually connected?	When
		19	8S	38E		

If this production is commingled with that from any other lease or pool, give commingling order number: Not commingled.

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 July 14, 1969	Date Compl. Ready to Prod. August 4, 1969	Total Depth 4775 KB		P.B.T.D. 4764 KB					
Elevations (DF, RKB, RI, GR, etc.,) 4014 KB - 4005 GR	Name of Producing Formation San Andres	Top Oil/Gas Pay 4734 KB		Tubing Depth 4722 KB					
Perforations 4734-4754 KB & 4760-4762 KB w/2 shots/ft.				Depth Casing Shoe 4775 KB					
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
12-1/4"	8-5/8"		325'		200+				
7-7/8"	5-1/2"		4775'		125 + 2% Gel & 10% Salt				

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 Tanks August 5, 1969	Date of Test August 7, 1969	Producing Method (Flow, pump, gas lift, etc.) Pump	
Length of Test 24 hrs.	Tubing Pressure 450#	Casing Pressure 0	Choke Size 3/4"
Actual Prod. During Test 140 BO/12 hrs.	Oil - Bbls. 140 BO	Water - Bbls. 6	Gas - MCF No Test

GAS WELL			
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION COMMISSION
I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	APPROVED _____, 19____
 (Signature)	BY _____
Accountant (Title)	TITLE _____
8-15-69 (Date)	This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for allowable on new and recompleted wells. Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition Separate Forms C-104 must be filed for each pool in multiply completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0509201

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shaw Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

East Bluit-San Andres

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

Sec. 18, T8S, R38E

12. COUNTY OR
PARISH

Roosevelt

13. STATE

New Mexico

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

FRANKLIN, ASTON & FAIR, INC.

3. ADDRESS OF OPERATOR

P. O. Box 1090, Roswell, New Mexico 88201

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

At surface

660' FSL and 660' FWL of Sec. 18, T. 8 S., R. 38 E.,

At top prod. interval reported below

NMPM

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE STUDDER

Feb. 1, 1969

16. DATE T.D. REACHED

Feb. 8, 1969

17. DATE COMPL. (Ready to prod.)

Feb. 16, 1969

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4,000 GR, 4,009 KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4,733'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

10 - TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4,680' - 4,720'

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Sonic

27. WAS WELL CORED

Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	20#	293' KB	12 1/4"	175 sacks, circ-surf	None
5 1/2"	14#	4,733' KB	7 7/8"	275 sacks	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2"	4,602'	4,602'

31. PERFORATION RECORD (Interval, size and number)

4690', 4692', 4693', 4696', 4698', 4699',
4703', 4704', 4709', 4711', 4712'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4690' - 4712'	3,500 gal. DS 30 acid

33.*

PRODUCTION

DATE FIRST PRODUCTION

Feb. 16, 1969

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flowing

WELL STATUS (Producing or
shut-in)

Producing

DATE OF TEST

2-17-69

HOURS TESTED

24

CHOKE SIZE

32/64"

PROD'N. FOR
TEST PERIOD

135

OIL—BBL.

135

GAS—MCF.

55.3

WATER—BBL.

0

GAS-OIL RATIO

410:1

FLOW. TUBING PRESS.

40# - 90#

CASING PRESSURE

0

CALCULATED
24-HOUR RATE

135

OIL—BBL.

135

GAS—MCF.

55.3

WATER—BBL.

0

OIL GRAVITY-API (CORR.)

26°

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

Vented

TEST WITNESSED BY

J. W. Brasfield

35. LIST OF ATTACHMENTS

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

SIGNED

Grant M. Smith

TITLE

Geologist

DATE

Feb. 18, 1969

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

38. GEOLOGIC MARKERS	39. MEAS. DEPTH	40. TRUE VERT. DEPTH

37. 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

DESCRIPTION, CONTENTS, ETC.

BOTTOM

TOP

FORMATION

San Andres
Slaughter A
Anhydrite
Slaughter B

3880
4560
4674
4688

4674
4688
4733 TD

38. GEOLOGIC MARKERS	39. MEAS. DEPTH	40. TRUE VERT. DEPTH

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM 0509201	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR FRANKLIN, ASTON & FAIR, INC.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1090, Roswell, New Mexico		8. FARM OR LEASE NAME Shaw Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL & 660' FWL Sec. 18-8S-38E At top prod. interval reported below At total depth		9. WELL NO. 1	
14. PERMIT NO.		13. STATE New Mexico	
DATE ISSUED		12. COUNTY OR PARISH Roosevelt	
15. DATE SPUNDED 12-1-68	16. DATE T.D. REACHED 12-8-68	17. DATE COMPL. (Ready to prod.) 12-11-68	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3984.7' GL, 3996.7' KB
19. ELEV. CASINGHEAD	20. TOTAL DEPTH, MD & TVD 4740'		
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY 0 - TD
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4688' - 4704'			25. WAS DIRECTIONAL SURVEY MADE Totco only
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray-Neutron			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	20#	295'	12 1/4"
5 1/2"	14#	4740'	7 7/8"
CEMENTING RECORD		AMOUNT PULLED	
175 sx reg. cmt., 2% CaCl		circ. to surfac	
275 sx cement			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD		PACKER SET (MD)	
SIZE	DEPTH SET (MD)	4618'	
2 3/8"	4618'		
31. PERFORATION RECORD (Interval, size and number) One shot at 4688', 4690', 4692', 4693', 4696', 4697', 4700', 4702', and 4704'			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		AMOUNT AND KIND OF MATERIAL USED	
DEPTH INTERVAL (MD)		3,000 gallons acid	
4688'-4704'			
33. PRODUCTION			
DATE FIRST PRODUCTION 12-11-68	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 12-12-68	HOURS TESTED 24	CHOKE SIZE 16/64"	PROD'N. FOR TEST PERIOD 156
FLOW. TUBING PRESS. 200#	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. 156
GAS—MCF. 78		WATER—BBL. 0	
OIL GRAVITY-API (CORR.) 500:1			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented			TEST WITNESSED BY J. W. Brasfield
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <i>Robert M. Smith</i>		TITLE Geologist	DATE 12-12-68

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

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should be listed on this form, see item 6c.
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U.S. GOVERNMENT PRINTING OFFICE: 1963-O-683636

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R-555.5.

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

Roden Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 767, Midland, Texas 79701

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

At surface 2,086' FNL & 554' FWL, Sec. 18-8S-38E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

1-16-69

5. LEASE DESIGNATION AND SERIAL NO.

NM 044216 B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Roden-Bluitt Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

E. Bluitt (San Andres)

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

12. COUNTY OR PARISH
Roosevelt

13. STATE

N.M.

15. DATE SPUDDED

1-17-69

16. DATE T.D. REACHED

1-25-69

17. DATE COMPL. (Ready to prod.)

2-24-69

18. ELEVATIONS (OF, RES, RT, GR, ETC.)*

4004.5 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4,738'

21. PLUG, BACK T.D., MD & TVD

4,720'

22. IF MULTIPLE COMPL., HOW MANY*

--

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4,696'-4,718' San Andres (Slaughter "B")

25. WAS DIRECTIONAL SURVEY MADE

Totco Only

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Sonic

27. WAS WELL CORED

No

28.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	301	12-1/4"	200 reg. 2% ca cl	none
5-1/2"	14#	4,738	7-7/8"	275 50-50 Posmix "A"	none
				Class "C"	none

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	4,678	none

31. PERFORATION RECORD (Interval, size and number)

Eleven perforations at selected intervals from 4,697'-4,717'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4,697-4,717	3,500 gals 15% acid

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-1-69		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-27-69	24 hrs	-	→	52	26	23	500
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	-0-	→	52	26	23	33.6	

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

Vented

TEST WITNESSED BY

Clyde Mathews

35. LIST OF ATTACHMENTS

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

SIGNED

R. A. Burton

TITLE

Drilling Engineer

DATE

2-28-69

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: ☐ OIL WELL ☐ GAS WELL ☒ DRY ☐ Other		5. LEASE DESIGNATION AND SERIAL NO. NM-041698-A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. TEST ☐ Other		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Eugene E. Nearburg		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 4219 Sigma Road, Dallas, Texas 75240		8. FARM OR LEASE NAME Kirkpatrick Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 980' FSL and 660' FEL At top prod. interval reported below At total depth		9. WELL NO. Bluff San Andres Assoc.	
14. PERMIT NO. P 1111		10. FIELD AND POOL, OR WILDCAT Bluff San Andres Assoc.	
DATE ISSUED 3-3-70		11. SEC. IN R.M. OR BLOCK AND SURVEY Sec 14, T-8S, R-37-E	
15. DATE SPUNDED 2-23-70		12. COUNTY OR PARISH Roosevelt	
16. DATE T.D. REACHED 3-5-79		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, BT, etc.) 4016.4' GR	
19. ELEC. CASING HEAD		20. TOTAL DEPTH, MD & TVD 4800'	
21. PLUG BACK T.D., MD & TVD 4758'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 0-1800'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4610' - 4660' San Andres 4517' - 4580' San Andres	
25. TYPE ELECTRIC AND OTHER LOGS RUN SNP, FDC, DIL		26. WAS DIRECTIONAL SURVEY MADE?	
27. WAS WELL CORED?		28. AMOUNT PULLED	
29. CASING RECORD (Report all strings set in well)		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number) Perforated 1 shot @ 4611, 16, 21, 22, 28, 34, 39, 41, 45, 46, 53, 54, 56 & 57 (14 shots). 1 shot @ 4518, 20, 58, 64, 68, 73 & 79 (7 shots)		32. ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 4611 - 57 8000 gal 15% acid 4611-57 Squeezed w/100 sx cmt. 4518-79 5000 gal 15% acid	
33. PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.	
SIGNED		TITLE Petroleum Engineer	
DATE 9-3-70			

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, of both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval-zone (multiple completion), so state in item 22 and in item 24 show the producing interval, or intervals, top(s), bottom(s), and name(s). (If any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION		TOP		BOTTOM		LOG		WELL COMPLETION OR RECOMPLETION REPORT AND LOG		DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY UNITED STATES	
NAME	THICKNESS	DEPTH	TEST PERIOD	CHORE SIZE	HOURS TESTED	24 HOUR RATE	TEST PERIOD	CHORE SIZE	HOURS TESTED	24 HOUR RATE	DATE
San Andres	4517	4610	4517	4610	4517	4610	4517	4610	4517	4610	4517
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
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P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
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San Andres		4517		4610		4517		4610		4517	
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San Andres		4517		4610		4517		4610		4517	
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San Andres		4517		4610		4517		4610		4517	
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San Andres		4517		4610		4517		4610		4517	
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San Andres		4517		4610		4517		4610		4517	
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P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											
P3											
San Andres		4517		4610		4517		4610		4517	
P1											
P2											

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM 044216

6. IF INDIAN, ALLOTTEE OR THIRTE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bluttt-Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 13-8S-37E, N.M.P.H.

12. COUNTY OR PARISH
Roosevelt

13. STATE
New Mexico

14. PERMIT NO.

DATE ISSUED

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

FRANKLIN, ASTON & FAIR, INC.

3. ADDRESS OF OPERATOR

P. O. Box 1090, Roswell, New Mexico 88201

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

At surface

1980' FSL & 660' FEL Section 13-8S-37E

At top prod. interval reported below

At total depth

15. DATE SPUDDED

10-1-68

16. DATE T.D. REACHED

10-10-68

17. DATE COMPL. (Ready to prod.)

10-17-68

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*

4003' DF, 3991.3' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4756'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0 - T.D.

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4661'-4680' San Andres

25. WAS DIRECTIONAL SURVEY MADE

Totco only

26. TYPE ELECTRIC AND OTHER LOGS RUN

Microlaterog, Sonic, Lateral

27. WAS WELL CORED

Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	20#	295'	12 1/4"	150 sx with 2% CaCl	
5 1/2"	14#	4756'	7 7/8"	275 sx with 2% Gel	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2"	4553'	4553'

31. PERFORATION RECORD (Interval, size and number)

Nine perforations at selected intervals from 4661'-4680'.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4661'-4680'	Treated with 3,000 gallons 15% DS-30 acid.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-17-68		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-18-68	24	20/64"	→	150	143	0	950:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
200#		→					

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

Vented

TEST WITNESSED BY

J. W. Brasfield

35. LIST OF ATTACHMENTS

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

SIGNED

Tom P. Stephens

TITLE

Executive Vice-President

DATE 10-19-68

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either as shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. 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

DESCRIPTION, CONTENTS, ETC.

BOTTOM

TOP

FORMATION

38. GEOLOGIC MARKERS

NAME

TOP

MEAS. DEPTH

TRUE VERT. DEPTH

San Andres

3860'

Slaughter (A)
(Pay B)
(C)

4554'
4656'
4704'

4656'
4704'
4756' TD

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other In-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____										5. LEASE DESIGNATION AND SERIAL NO. NM 044216	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____										6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR FRANKLIN, ASTON & FAIR, INC.										7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1090, Roswell, New Mexico 88201										8. FARM OR LEASE NAME Bluitt-Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL & 1980' FEL Sec. 13-8S-37E At top prod. interval reported below At total depth										9. WELL NO. 2	
14. PERMIT NO. _____ DATE ISSUED _____										10. FIELD AND POOL, OR WILDCAT East Bluitt-San Andres	
15. DATE SPUDDED 12-10-68 16. DATE T.D. REACHED 12-17-68 17. DATE COMPL. (Ready to prod.) 12-22-68 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3997.5' GR, 4009.5' KB 19. ELEV. CASINGHEAD										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13-8S-37E, N.M.P.M.	
20. TOTAL DEPTH, MD & TVD 4694' 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0-T.D. CABLE TOOLS										12. COUNTY OR PARISH Roosevelt 13. STATE New Mexico	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4645' - 4669' San Andres (Slaughter B)										25. WAS DIRECTIONAL SURVEY MADE Totco only	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Sonic										27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)											
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8 5/8"		20#		286'		12 1/4"		175 sx w/2% CaCl			
5 1/2"		14#		4694'		7 7/8"		275 sx w/2% Gel			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
30. TUBING RECORD											
SIZE		DEPTH SET (MD)		PACKER SET (MD)							
2"		4550'		4550'							
31. PERFORATION RECORD (Interval, size and number)											
4645, 4648, 4649, 4651, 4657, 4658, 4664, 4667, and 4669											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED							
4645 - 4669				3,000 gal. reg. acid							
4645 - 4669				6,000 gal. reg. acid							
33. PRODUCTION											
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)			
12-22-68		Flowing						Producing			
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
12-23-68		24		32/64		165		128		0	
FLOW. TUBING PRESS.		CASINO PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.	
205#										OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY	
Vented										J. W. Brasfield	
35. LIST OF ATTACHMENTS											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED <i>Grant M. Smith</i>				TITLE Geologist				DATE 12-26-68			

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

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37. 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	3848'					
Slaughter (A)	4564'	4620'				
1st Anhydrite	4620'	4634'				
Slaughter (B)	4634'	4680'				
2nd Anhydrite	4680'	4694' TD				

GEOLOGIC MARKERS

38.

NAME	MEAS. DEPTH	TRUE VERT. DEPTH

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. N.S. 044216																			
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----																			
2. NAME OF OPERATOR Eugene E. Hearnburg		7. UNIT AGREEMENT NAME -----																			
3. ADDRESS OF OPERATOR 3303 Le Parkway Dallas, Texas 75219		8. FARM OR LEASE NAME Pact Federal																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL & 1980' FAL At top prod. interval reported below At total depth		9. WELL NO. 2																			
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT N. Blount San Andres																			
DATE ISSUED		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Sec 13 T8S R37E																			
15. DATE SPUDDED 2-4-69		12. COUNTY OR PARISH Doohevelt																			
16. DATE T.D. REACHED 2-13-69		13. STATE T.M.																			
17. DATE COMPL. (Ready to prod.) 2-26-69		19. ELEV. CASINGHEAD 3,997.5																			
20. TOTAL DEPTH, MD & TVD 4800' KB		21. PLUG, BACK T.D., MD & TVD 4729' KB																			
22. IF MULTIPLE COMPLET. HOW MANY*		23. INTERVALS DRILLED BY 10-TD Rotary																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* San Andres P2 Zone 4621--4655		25. WAS DIRECTIONAL SURVEY MADE No																			
26. TYPE ELECTRIC AND OTHER LOGS RUN N.M. Laterolog and Microlaterolog		27. WAS WELL CORED No																			
28. CASING RECORD (Report all strings set in well)																					
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>8 5/8</td><td>28#</td><td>295 Gr</td><td>12 1/2"</td><td>150 BX</td><td></td></tr><tr><td>4 1/2"</td><td>9.5#</td><td>4787</td><td>7 7/8"</td><td>200 BX</td><td></td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	8 5/8	28#	295 Gr	12 1/2"	150 BX		4 1/2"	9.5#	4787	7 7/8"	200 BX	
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4 1/2"	9.5#	4787	7 7/8"	200 BX																	
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30. TUBING RECORD																					
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SIZE	DEPTH SET (MD)	PACKER SET (MD)																			
2 3/8"	4553	4470																			
31. PERFORATION RECORD (Interval, size and number)																					
9 Holes 4623, 4625, 4628, 4634, 4636, 4642, 4645, 4648, 4652																					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																					
<table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>4623-4652 KB</td><td>6,090 Gals. 15% acid</td></tr><tr><td></td><td>8 Ball Swabbers</td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	4623-4652 KB	6,090 Gals. 15% acid		8 Ball Swabbers												
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2-26-69	Flowing	Producing																			
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DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO														
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FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)															
110	0-Packer	→	330	239	0	27.1															
34. DEPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented																					
35. LIST OF ATTACHMENTS																					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																					
SIGNED <u>Eddie J. Gelwick</u> TITLE <u>Production Supt.</u> DATE <u>2-27-69</u>																					

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

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FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		NAME	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres		3828'							
S.A. P1		4481'							
S.A. P2		4621'							
S.A. P3		4691'							
37. 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.		P1 Marker		4345'
Fair Porosity, Generally Tight Good Porosity, Good oil Saturation Good Porosity, High water Saturation									

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ Other		5. LEASE DESIGNATION AND SERIAL NO. NM 044216	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
2. NAME OF OPERATOR Eugene E. Nearburg		7. UNIT AGREEMENT NAME -----	
3. ADDRESS OF OPERATOR 3303 Lee Parkway Dallas, Texas 75219		8. FARM OR LEASE NAME Baetz Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL & 1980' FWL At top prod. interval reported below At total depth		9. WELL NO. 5	
14. PERMIT NO. 17		10. FIELD AND POOL, OR WILDCAT E. Bluitt San Andres	
DATE ISSUED 17		11. SEC., T., R., M., OR BLOCK AND SURVEY Sec. 13, T89, R37E	
15. DATE SPUDDED 7-12-69		12. COUNTY OR PARISH Roosevelt	
16. DATE T.D. REACHED 7-19-69		13. STATE N.M.	
17. DATE COMPL. (Ready to prod.) 7-23-69		14. ELEVATIONS (DF, RKB, RT, GR, ETC.) 3,992.2 Gr.	
18. ELEV. CASINGHEAD 3,992.2		15. ELEV. CASINGHEAD 3,992.2	
20. TOTAL DEPTH, MD & TVD 4733 KB		21. PLUG, BACK T.D., MD & TVD 4715	
22. IF MULTIPLE COMPL., SHOW MANY? 4		23. INTERVALS DRILLED BY Rotary	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* San Andres P2, Top 4664, Bottom 4697		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN SNP, LL, MLL, and Density		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8	28	294	7 1/2
4 1/2	9.5	4733	7 7/8
CEMENTING RECORD		AMOUNT POLLED	
150		None	
200		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)			
9 Holes, Size .41			
4669, 4672, 4678, 4684, 4687, 4691			
4694, 4698, 4680			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
4669-4698		6,000 gal. 15% NE Acid with ball sealers	
33. PRODUCTION			
DATE FIRST PRODUCTION 7-23-69		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 7-24-69		WELL STATUS (Producing or shut-in) Producing	
HOURS TESTED 24	CHOKE SIZE 14/64	PROD'N. FOR TEST PERIOD 160	GAS—MCF. 112,000
FLOW TUBING PRESS. 220	CASING PRESSURE 0	WATER—BBL. 40-	GAS-OIL RATIO 700
CALCULATED 24-HOUR RATE 160	OIL—BBL. 112,000	OIL GRAVITY-API (CORR.) 27	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold			
TEST WITNESSED BY Gelwick			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED E. E. Gelwick		TITLE Production Supt.	
DATE 7-24-69			

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

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38. GEOLOGIC MARKERS

San Andres
S.A. P1
S.A. P2

3866
4520
4464

Fair Porosity, Generally light
Good Porosity, Good oil saturation

P1 Marker

4384

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
San Andres S.A. P1 S.A. P2	3866 4520 4464		Fair Porosity, Generally light Good Porosity, Good oil saturation
U.S. GOVERNMENT PRINTING OFFICE: 1961 O-693086			

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
P1 Marker	4384	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		7. UNIT AGREEMENT NAME	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		8. FARM OR LEASE NAME Bluitt Federal	
2. NAME OF OPERATOR Layton Enterprises, Inc.		9. WELL NO. 3	
3. ADDRESS OF OPERATOR 3103 79th St. Lubbeck, Texas 79423		10. FIELD AND POOL, OR WILDCAT Bluitt San Andres Asmon.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL 1980' FEL At top prod. interval reported below Sec. 13, T 8 S, R 37 E At total depth Roosevelt County, New Mexico		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 13-8-37	
14. PERMIT NO.		DATE ISSUED	
12. COUNTY OR PARISH Roosevelt		13. STATE New Mexico	
15. DATE SPUDDED 10-2-77	16. DATE T.D. REACHED 10-9-77	17. DATE COMPL. (Ready to prod.) 11-11-77	18. ELEVATIONS (DF, REB, BT, GR, ETC.)* 3997 GL
19. ELEV. CASINGHEAD 3996		20. TOTAL DEPTH, MD & TVD 4750	
21. PLUG, BACK T.D., MD & TVD 4727		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4630-4660 San Andres (Slaughter B Zone)	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN GR-Neutron	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
DEPTH SET (MD)		HOLE SIZE	
CEMENTING RECORD		AMOUNT PULLED	
8 5/8		24	
4 1/2		10.5	
402		12 1/4	
4740		7 7/8	
325 sx - circulated		0	
1500 sx - circulated		0	
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		BACKS CEMENT*	
SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)	
2 3/8		4700	
-		31. PERFORATION RECORD (Interval, size and number) 4630-4660 0.42" 16 holes	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		DEPTH INTERVAL (MD) 4630-4660	
AMOUNT AND KIND OF MATERIAL USED 16000 gal 20% HCl acid		33. PRODUCTION	
DATE FIRST PRODUCTION 11-11-77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping	
WELL STATUS (Producing or shut-in) Producing		DATE OF TEST 11-19-77	
HOURS TESTED 24		CHOKER SIZE 34	
PROD'N. FOR TEST PERIOD 34		OIL—BBL. 180	
GAS—MCF. 1		WATER—BBL. 5294	
GAS-OIL RATIO 26.4		FLOW. TUBING PRESS.	
CASING PRESSURE		CALCULATED 24-HOUR RATE 34	
OIL—BBL. 180		GAS—MCF. 1	
WATER—BBL. 26.4		OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS 2 copies Electric logs, Inclination surveys		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED Donald L. Layton		DATE 11-21-77	

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

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FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Slaughter A	4520	4610	ND	San Andres	3850	
B	4630	4665	Pay zone, porous dolomite, oil			
C	4690	4750	ND			

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. N.A. 011-16	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Eugene E. Bearburg		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 3303 Lee Parkway Dallas, Texas 75219		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' P.M. & 65 P.M. At top prod. interval reported below At total depth		9. WELL NO.	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 2-14-69	16. DATE T.D. REACHED 2-23-69	17. DATE COMPL. (Ready to prod.) 2-26-69	18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 3,995.3 Gr.
19. ELEV. CASINGHEAD 3,994	20. TOTAL DEPTH, MD & TVD 4780'	21. PLUG, BACK T.D., MD & TVD 4747'	22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY	24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* San Andres P2 Zone 4670' to 4698'	25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN S.S.P., Laterolog and Microlaterolog	27. WAS WELL CORED		
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 8 3/8"	WEIGHT, LB./FT. 28.5	DEPTH SET (MD) 303' 4767'	HOLE SIZE 12 1/2" 7 7/8"
CEMENTING RECORD 150 sacks 100 sacks		AMOUNT PULLED	
29. LINER RECORD			
SIZE 3/8"	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
SCREEN (MD)		TUBING RECORD	
SIZE 3/8"	DEPTH SET (MD) 4618'	PACKER SET (MD) 4514'	
31. PERFORATION RECORD (Interval, size and number) 8-Holes 4670, 4672, 5677, 4683, 4685, 4692, 4694, 4698			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD) 4670 to 4698		AMOUNT AND KIND OF MATERIAL USED 6,144 gal. 10% acid & pill reamers	
33. PRODUCTION			
DATE FIRST PRODUCTION 2-20-69	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 2-20-69	HOURS TESTED 24	CHOKE SIZE 32/64	PROD'N. FOR TEST PERIOD →
OIL—BBL. 225	GAS—MCF. 158	WATER—BBL. 0	GAS-OIL RATIO 702
FLOW TUBING PRESS. 105	CASING PRESSURE 0—packed	CALCULATED 24-HOUR RATE →	OIL GRAVITY-API (CORR.) 37
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented		TEST WITNESSED BY Eddie J. Colvick	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Eddie J. Colvick		TITLE Production Mpt.	
DATE 2-27-69			

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

ILLEGIBLE

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. 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.	NAME	MEAS. DEPTH	TOP	THICKNESS
San Andres		3868			P1 Marker	4391'		
P1 Zone		4530						
P2 Zone		4667						
P3 Zone		4742						
Impermeable								
Excellent Porosity & Permeability								
Same as P2 But high water saturation								
TIME RECORD								
U.S. GOVERNMENT PRINTING OFFICE: 1961-O-683636								

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LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I. Operator
Eugene E. Nearburg
Address
3303 Lee Parkway Dallas, Texas 75219
Reason(s) for filing (Check proper box) Other (Please explain)
New Well ☒ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Baetz Fed.	Well No. 1	Pool Name, including Formation Bluitt-San Andres	Kind of Lease State, Federal or Fee Fed.	Lease No. MMO44216
Location Unit Letter G ; 1980 Feet From The North Line and 1980 Feet From The East Line of Section 13 Township 8S Range 37E , NMPM, Roosevelt County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Mobil Oil Corp. (Grade Division)	Address (Give address to which approved copy of this form is to be sent) Western Oil Transportation Co. Inc. P.O. Box 725 Hobbs, N.M. 88240					
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Cities Service	Address (Give address to which approved copy of this form is to be sent) Cities Service Plant Illinois, Ill.					
If well produces oil or liquids, give location of tanks.	Unit F	Sec. 13	Twp. 8S	Rge. 37E	Is gas actually connected? No	When ?

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. ☐
Date Spudded 12-11-68	Date Compl. Ready to Prod. 12-26-68		Total Depth 5050'		P.B.T.D. 1728'			
Elevations (DF, RKB, RT, GR, etc.) 3,999.4 Gr.	Name of Producing Formation San Andres		Top Oil/Gas Pay 4647 KB (9.6)		Tubing Depth 4599			
Perforations 14 Holes, 4667, 4667 1/2, 4671, 4671 1/2, 4675, 4675 1/2, 4679, 4679 1/2, 4661, 4661 1/2, 4667, 4667 1/2, 4671, 4671 1/2, 4675, 4675 1/2, 4679, 4679 1/2					Depth Casing Shoe 4783' Gr.			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE 12 1/2 7 7/8	CASING & TUBING SIZE 8 5/8 4 1/2 2 3/8		DEPTH SET 309 KB 4,793 KB 4,599		SACKS CEMENT 150 200			

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 Tanks 12-26-68	Date of Test 12-26-68	Producing Method (Flow, pump, gas lift, etc.) Flow	
Length of Test 24 Hours	Tubing Pressure 140 PSI	Casing Pressure 0 Packer in Hole	Choke Size 20/64 ths
Actual Prod. During Test 171 Bbls.	Oil - Bbls. 171	Water - Bbls. 0	Gas - MCF 131,000 CF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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

Eddie J. Schwick
(Signature)
Production Superintendent
(Title)
12-28-68
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY _____
TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. N.M. 044216	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTED OR TRIBE NAME -----	
2. NAME OF OPERATOR Eugene E. Nearburg		7. UNIT AGREEMENT NAME -----	
3. ADDRESS OF OPERATOR 3303 Lee Parkway Dallas, Texas 75219		8. FARM OR LEASE NAME Baetz Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 587' FNL & 1829.3 FWL At top prod. interval reported below At total depth		9. WELL NO. 4	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT E. Bluitz San Andres	
15. DATE SPUDDED 6-23-69 16. DATE T.D. REACHED 7-1-69 17. DATE COMPL. (Ready to prod.) 7-15-69		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13-T8s-R37e	
18. ELEVATIONS (DF, RKB, RT, GS, ETC.) 4011 Gr.		12. COUNTY OR PARISH Roosevelt N.M.	
20. TOTAL DEPTH, MD & TVD 4760 21. PLUG, BACK T.D., MD & TVD 4751		13. STATE N.M.	
22. IF MULTIPLE COMPL., HOW MANY? 1		19. ELEV. CASINGHEAD 4011	
23. INTERVALS DRILLED BY Rotary		25. WAS DIRECTIONAL SURVEY MADE No	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* San Andres P2, Top 4633 Bottom 4662' KB		26. TYPE ELECTRIC AND OTHER LOGS RUN SNP, MLL, & LL	
27. WAS WELL CORED No			
28. CASING RECORD (Report all strings set in well)			
Casing Size		Weight, lb./ft.	
8 5/8		28	
4 1/2		9.5	
Depth Set (MD)		Hole Size	
303 KB		12 1/8	
4751 KB		7 7/8	
Cementing Record		Amount Pulled	
150		None	
200		None	
29. LINER RECORD			
Size		Top (MD)	
2 3/8		4599 KB	
Bottom (MD)		Packer Set (MD)	
4305			
30. TUBING RECORD			
Size		Depth Set (MD)	
2 3/8		4599 KB	
Bottom (MD)		Packer Set (MD)	
4305			
31. PERFORATION RECORD (Interval, size and number)			
8 Holes—Size .41		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4633, 4640, 4644, 4645, 4653, 4656, 4659, & 4662 KB		33. PRODUCTION	
4633-4662		DATE FIRST PRODUCTION 1-15-69	
6,000 gal. 15% NE Acid with ball sealers		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
		WELL STATUS (Producing or shut-in) Producing	
		DATE OF TEST 7-16-69	
		HOURS TESTED 24	
		CHOKE SIZE 26/64	
		PROD'N. FOR TEST PERIOD 480	
		OIL—BBL. 345.600	
		GAS—MCF. 0	
		WATER—BBL. 0	
		GAS-OIL RATIO 720	
		FLOW. TUBING PRESS. 400	
		CASING PRESSURE 0	
		CALCULATED 24-HOUR RATE 480	
		OIL—BBL. 345.600	
		GAS—MCF. 0	
		WATER—BBL. 0	
		OIL GRAVITY-API (CORR.) 27	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold			
TEST WITNESSED BY Galwick			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Eddie J. Galwick		TITLE Production Supt.	
DATE 7-18-69			

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

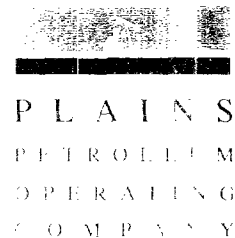
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	LOGGING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM		LOGGING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM		LOGGING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM		LOGGING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM	
San Andres		3835'		Fair Porosity, generally tight. Good Porosity, good oil saturation Good Porosity, high water saturation	3835'-4494'		4494'-4631'		4631'-4704'		4704'-4835'	
S.A. P1		4494'			4494'-4631'		4631'-4704'		4704'-4835'		4835'-4970'	
S.A. P2		4631'			4631'-4704'		4704'-4835'		4835'-4970'		4970'-5105'	
S.A. P3		4704'			4704'-4835'		4835'-4970'		4970'-5105'		5105'-5240'	
P1 Marker		4357'			4357'-4494'		4494'-4631'		4631'-4704'		4704'-4835'	
GEOLOGIC MARKERS		35. INTERVAL (IN FEET) BETWEEN TOP AND BOTTOM OF INTERVAL										
MEAS. DEPTH		4357'										
TRUE VERT. DEPTH												
NAME		P1 Marker										
C.O.		3835' Lee Parkway Dallas, Texas										
DATE		7-1-68										
OPERATOR		Eugene E. Neahrburg										
WELL COMPLETION OR RECOMPLETION		7-1-68										
DEPARTMENT OF GEOLOGICAL SURVEY		UNITED STATES										



December 21, 1990

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

Attention: Mr. David Catanach

Re: Injection Permit
Bluitt San Andres Unit
Roosevelt County, New Mexico

Dear Mr. Catanach:

Enclosed for your information and further handling is an Affidavit of Publication as same pertains to the referenced unit.

Should you require any further information, please advise.

Yours truly,

Bonnie Husband
Office Manager

Enclosure

LEGAL NOTICE

This shall constitute notice to all the world that Plains Petroleum Operating Company (415 W. Wall, Suite 2110, Midland, Texas 79701, Attention Bonnie Husband, telephone number (915) 683-4434) intends to convert the following wells from producing or temporarily abandoned status to injection service for the purpose of expanding the existing waterflood project, the Bluit San Andres Unit, located in Township 8 South, Range 37 East, Roosevelt County, New Mexico.

Well No. 3-C (1303), Section 13;
Well No. 5-E (1305), Section 13;
Well No. 3-C (1903), Section 19;
Well No. 9-I (1309), Section 13; Well
No. 11-K (1311), Section 13.

Water will be injected into the P2 zone of the San Andres formation between the logged depths of 4688' and 4788' at rates of approximately 300 BWPD/PW and at maximum wellhead pressure of 800 psi.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Published in the Portales News-Tribune November 15, 1990. L# #1431

Affidavit of Publication

— 0 —

I, Marshall Stinnett
Business Manager of

THE PORTALES NEWS-TRIBUNE

a newspaper of general paid circulation and entered under second class postal privilege in Roosevelt County, published daily, (except Saturday) at Portales, New Mexico, for the fifty-two (52) consecutive weeks preceding this date, do solemnly swear that a copy of the above notice, as per clipping attached, was published weekly in the regular and entire issue of said

newspaper, and not in any supplement thereof for 1

consecutive weeks commencing with the issue dated _____

November 15, 19 90

and ending with the issue dated November 15, 19 90

All publication costs having been paid.

Marshall Stinnett

Subscribed and sworn to before me this 15th day of November 19 90

De Marin Barnett

Notary Public

My commission expires 3/7/91 19 91

LEGAL NOTICE

This shall constitute notice to all the world that Plains Petroleum Operating Company (415 W. Wall, Suite 2110, Midland, Texas 79701, Attention Bonnie Husband, telephone number (915) 683-4434) intends to convert the following wells from producing or temporarily abandoned status to injection service for the purpose of expanding the existing waterflood project, the Bluit San Andres Unit, located in Township 8 South, Range 37 East, Roosevelt County, New Mexico.

Well No. 3-C (1303), Section 13; Well No. 5-E (1305), Section 13; Well No. 3-C (1903), Section 19; Well No. 9-I (1309), Section 13; Well No. 11-K (1311), Section 13.

Water will be injected into the P2 zone of the San Andres formation between the logged depths of 4688' and 4788' at rates of approximately 300 BWPD/PW and at maximum wellhead pressure of 800 psi.

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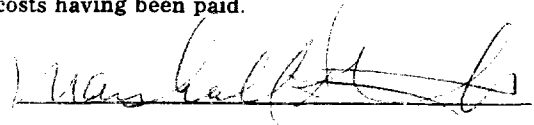
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consecutive weeks commencing with the issue dated _____

November 15, 19 90

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All publication costs having been paid.

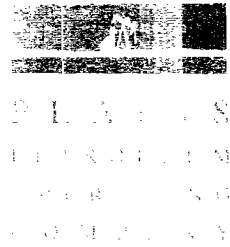


Subscribed and sworn to before me this 15th day of November 19 90

Notary Public

My commission expires 3/7/91 19 91

100-111111-1111
JUL 5 1990



July 3, 1990

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

Re: Bluit San Andres Unit
Bluit San Andres Assoc.
Roosevelt County, New Mexico
Division Order No. R-8117

Gentlemen:

Injection well data sheets were filed on June 20, 1990 for the expansion of subject waterflood system. Enclosed please find an amended/revised form for one of the expansion wells; the injection interval on the original form had erroneous numbers or depths.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

A handwritten signature in cursive script, appearing to read "Bonnie Husband", is written over the typed name.

Bonnie Husband
Engineering Tech.

Enclosure

cc: Hobbs OCD



PLAINS
PETROLEUM
OPERATING
COMPANY

100 NOV 13 1990 9 03

November 9, 1990

Portales Tribune
P. O. Box 848
Portales, New Mexico 88130

Re: Submittal of Legal Notice on
Bluitt San Andres Unit

Gentlemen:

Please find enclosed a legal notice to be placed in the Portales Tribune for Plains Petroleum Operating Company. Please run the notice for one day. I understand that we will be billed an undetermined amount after you have received the notice. Please forward a copy of the paper in which the notice is placed.

Thank you for your help in this matter. If you should have any questions, please feel free to contact me at (915) - 683-4434.

Sincerely,

PLAINS PETROLEUM OPERATING CO.

Bonnie Husband
Engineering Tech.

Enclosure: Legal Notice

LEGAL NOTICE

This shall constitute notice to all the world that Plains Petroleum Operating Company (415 W. Wall, Suite 2110, Midland, Texas 79701 , Attention Bonnie Husband, telephone number (915) 683-4434) intends to convert the following wells from producing or temporarily abandoned status to injection service for the purpose of expanding the existing waterflood project, the Bluit San Andres Unit, located in Township 8 South, Range 37 East, Roosevelt County, New Mexico.

<u>Well No.</u>	<u>Section</u>	<u>Well No.</u>	<u>Section</u>
3-C (1303)	13	9-I (1309)	13
5-E (1305)	13	11-K (1311)	13
3-C (1903)	19		

Water will be injected into the P2 zone of the San Andres formation between the logged depths of 4688' and 4788' at rates of approximately 300 BWPD/PW and at maximum wellhead pressure of 800 psi.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Published in Portales News-Tribune _____ Legal No. _____.

Date

LEGAL NOTICE

This shall constitute notice to all the world that Plains Petroleum Operating Company (415 W. Wall, Suite 2110, Midland, Texas 79701, Attention Bonnie Husband, telephone number (915) 683-4434) intends to convert the following wells from producing or temporarily abandoned status to injection service for the purpose of expanding the existing waterflood project, the Bluit San Andres Unit, located in Township 8 South, Range 37 East, Roosevelt County, New Mexico.

Well No. 1-A (1301) Section 13

Well No. 1-A (2401) Section 24.

Well No. 11-K (1811) Section 18

Well No. 3-C (2403) Section 24.

Water will be injected into the P2 zone of the San Andres formation between the logged depths of 4688' and 4788' at rates of approximately 300 BWPD/PW and at maximum wellhead pressure of 800 psi.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, Box 2088, Santa Fe, New Mexico 87501 within fifteen (15) days.

Published in the Portales News-Tribune October 5, 12, 19, 1990.
Legal # 1402.

Affidavit of Publication

0

I, Marshall Stinnett
Business Manager of

THE PORTALES NEWS-TRIBUNE

a newspaper of general paid circulation and entered under second class postal privilege in Roosevelt County, published daily, (except Saturday) at Portales, New Mexico, for the fifty-two (52) consecutive weeks preceding this date, do solemnly swear that a copy of the above notice, as per clipping attached, was published weekly in the regular and entire issue of said

newspaper, and not in any supplement thereof for 3

consecutive weeks commencing with the issue dated _____

October 5, 19 90

and ending with the issue dated October 19, 19 90

All publication costs having been paid.

Subscribed and sworn to before me this 19th day of October 19 90

Notary Public

My commission expires 3/7/91 19 91



P. L. A. I. N. S.
P. E. T. R. O. L. E. U. M.
O. P. E. R. A. T. I. N. G.
C. O. M. P. A. N. Y.

NOV 3 1990

November 1, 1990

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

Attention: Mr. David Catanach

Re: Injection Permits
Bluitt San Andres Unit and
Todd Lower San Andres Unit
Roosevelt County, New Mexico

Dear Mr. Catanach:

Enclosed for your information and further handling are two Affidavits of Publication as same refers to subject Injection Permits.

Should you require any further information, please advise.

Sincerely,

PLAINS PETROLEUM OPERATING COMPANY

Bonnie Husband
Engineering Tech.

bh
Enclosures



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

GARREY CARRUTHERS
GOVERNOR

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 _____
NSL _____
NSP _____
SWD _____
WFX X _____
PMX _____

Gentlemen:

I have examined the application for the:

Plains Petroleum Company, District 1 Unit Sec. 19 #3-C 19-8-33
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed

Sec. 13 #9-I 13-8-37

Sec. 24 #3-C 24-8-37

Sec. 13 #1-K 13-8-37

Sec. 12 #1-H 12-8-37

Sec. 13 #3-C "

Sec. 24-1-14 24-8-37

Sec. 13 #5-E 13-8-37

Sec. 18 #1-K 18-8-38