STATE OF NEW MEXICO

of the earlier submittal.

OIL CONSERVATION DIVISION -

THE STATE OF THE DIVISION FORM C-108

Revised 7-1-81 ENERGY AND MINERALS DEPARTMENT POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE NEW MEXICO 87501 - / Fig 9 CH RELEASE 10-16-92 APPLICATION FOR AUTHORIZATION TO INJECT X Secondary Recovery Pressure Maintenance Disposal Purpose: yes Application qualifies for administrative approval? □ na Plains Petroleum Operating Company II. Operator: 415 West Wall, Suite 1000, Midland, TX 79701 Andress: Phone: 915/683-4434 Mark A. Nieberding Contact party: 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. X yes IV. Is this an expansion of an existing project? If yes, give the Division order number authorizing the project R-3027 ٧. 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: Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; 2. 3. Proposed average and maximum injection pressure; 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.). Attach appropriate geological data on the injection zone including appropriate lithologic *VIII. detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval. IX. Describe the proposed stimulation program, if any. χ. 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. Applicants for disposal wells must make an affirmative statement that they have XII. 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. Applicants must complete the "Proof of Notice" section on the reverse side of this form. XIII. XIV. Certification I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief. Title Petroleum Engineer Mark A, Nieberding Signature: Date:

* If the information required under Sections 1/1. VIII. 3, and 3I above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance

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, note 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 $3 \hspace{-0.05cm}\text{EEN}$ 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.

APPLICATION FOR AUTHORIZATION TO INJECT

In addition with Form C-108, Application for Authorization to Inject for the two subject wells, Plains Petroleum Operating Company submits the following typical well data in accordance with NMOCD requirements.

III. Well Data

See the attached Well Data sheets.

VI. Tabulation of Offsetting Well Data

The attached data sheets provide a description of all of the wells within a 1/2 mile radius around the subject wells that penetrate the Queen-Penrose interval. The 1/2 mile circle was used because the subject wells are an expansion (actually infill) of an existing approved waterflood project and is adjacent to other waterflood projects in operation within the Queen-Penrose interval.



New Mexico Oil Conservation District P. O. Box 1980 Hobbs, New Mexico 88240

Re: Application for Authorization to Inject Eva Blinebry Nos. 19 and 20 1420' FNL & 20' FEL, Sec 34-T23S-R37E; 2520' FSL & 1290' FEL, Sec 34-T23S-R37E Lea County, New Mexico

Dear Sirs:

Please find enclosed an Application for Authorization to Inject for the two subject wells. The wells are expected to be spudded consecutively after the E.C. Hill 'B' Federal No. 8 is drilled by the end of September 1992. These two wells are an expansion of the Blinebry-Cade Waterflood Project that was originally approved by the Oil Conservation Commission on January 1966 with Order No. R-3027. Should you have any questions in regard to this application, please call me at (915) 683-4434.

Sincerely yours,

Plains Petroleum Operating Company

Mark A. Nieberding Petroleum Engineer

cc: Well File Reading File



Bureau of Land Management P. O. Box 1778 Carlsbad, NM 88221

Re: Application for Authorization to Inject

Eva Blinebry Nos. 19 and 20

1420' FNL & 20' FEL, Sec 34-T23S-R37E; 2520' FSL & 1290' FEL, Sec 34-T23S-R37E

Lea County, New Mexico

Dear Sirs:

Please find enclosed an Application for Authorization to Inject for the two subject wells. The wells are expected to be spudded consecutively after the E.C. Hill 'B' Federal No. 8 is drilled by the end of September 1992. These two wells are an expansion of the Blinebry-Cade Waterflood Project that was originally approved by the Oil Conservation Commission on January 1966 with Order No. R-3027. Should you have any questions in regard to this application, please call me at (915) 683-4434.

Sincerely yours,

Plains Petroleum Operating Company

Mark A. Nieberding/ Petroleum Engineer

cc: Well File Reading File



Texaco E & P
P. O. Box 3109
Midland, TX 79702
Attention D. D. Ulrich

ARCO P. O. Box 1610 Midland, TX 79702 Mr. Tom Linebery P. O. Box 959 Kermit, TX 79745

Chevron
P. 0. Box 1150
Midland, TX 79702

Sirgo Operating P. O. Box 3531 Midland, TX 79702

Re: Notification of Application for Authorization to Inject

Eva Blinebry Nos. 19 and 20

1420' FNL & 20' FEL, Sec 34-T23S-R37E; 2520' FSL & 1290' FEL, Sec 34-T23S-R37E

Lea County, New Mexico

Dear Sirs:

Please find enclosed an Application for Authorization to Inject for the two subject wells. These two wells are an expansion of the Blinebry-Cade Waterflood Project that was originally approved by the Oil Conservation Commission on January 1966 with Order No. R-3027.

The purpose of this letter is to request a waiver of objection for the injection of produced salt water. If you agree to this waiver, please sign and return one copy of this letter in the enclosed self-addressed envelope.

Any objections or requests for hearing must be filed, within 15 days, with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501. Should you have any other questions in regard to this application, please call me at (915) 683-4434.

Sincerely yours,	COMPANY
PLAINS PETROLEUM OPERATING	CUMPANI
Thank a Malerday Mark A. Nieberding	
Mark A. Nieberding	
Petroleum Engineer	

	•	
cc:	Well File	Company
	Reading File	Signature
		Date

INJECTION WELL DATA SHEET

P <mark>lains Petroleu</mark> PERATOR	m Operating Company	Eva E. Bl	inebry LEAS	SE .
			_	
19 LL NO.	1420' FNL & 20' FEL FOOTAGE LOCATION	34 SECTION	23S TOWNSHIP	37E Range
			IOMMAII	MMOD
<u>Lea County, Ne</u>	w Mexico			
<u>Schemati</u>	<u>ic</u>	<u>Tal</u>	oular Data	
		Surface Casing		
\$2 28 26 26 26 26 26 26 26 26 26 26 26 26 26	350'	Size <u>8-5/8</u>	Cemented with _	<u>144</u> sx
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(8)		Hole size <u>12-1/4"</u>	<u>ID</u>	
		Intermediate Casing	N/A	
		Size	Cemented with	sx
Service Servic		TOC	feet determined by	<i>l</i>
	₹{	Hole size		
#8/8/F		Long String		
in articularia (S. & Con		Size <u>5-1/2</u>	Cemented with	<u>615</u> sx
	3350'	TOC <u>Surface</u>	feet determined by	/ Circulate
		Hole size	n ID	
1. A. 7	3400'	Total Depth <u>3650</u>	<u>)'</u>	
	3400'	<u>Injection Interval</u>		
	3650'	3400 fee (perforated or open	et to <u>3590</u> -hole, indicate w	
ubing size	2-3/8" lined with _			_ set in a
	* Arlington-Elder Nickel Coated Lock	•	aterial) '	_ feet
	and model) y other casing-tubing seal).			
ther Data				
. Name of	the injection formation <u>Queen-Pe</u>	nrose		
. Name of	Field of Pool (if applicable) Lang	lie Mattix (Seven Rivers-C	Dueen-Grayburg) Fi	eld
	a new well drilled for injection ? for what purpose was the well origin			
If no,				
. Has the	e well ever been perforated in any ot ng detail (sacks of cement or bridge	plug(s) used) <u>None</u>	•	
. Has the		plug(s) used) <u>None</u>		

INJECTION WELL DATA SHEET

PERATOR	eum Operating Company	Eva E. DI.	LEAS	E
20	2520' FNL & 1290' FEL	34	238	37E
ELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	
Lea County,	New Mexico			
Sche	<u>atic</u>	<u>Tab</u>	ular Data	
뙭쮓	11 M#	Surface Casing		
	350	Size <u>8-5/8</u>	Cemented with _	144s
(A)	350	TOC <u>Surface</u> f	eet determined by	Circulate
		Hole size <u>12-1/4" I</u>	ID	
		Intermediate Casing	N/A	
		Size	Cemented with _	s:
		TOC 1	feet determined by	
		Hole size		
100		Long String		
8 8 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Size <u>5-1/2</u>	Cemented with _	<u>615</u> s
		TOC <u>Surface</u>	feet determined by	Circulate
	3350'	Hole size	' ID	
	3400'	Total Depth <u>3650</u>	1	
7.00	3400'	Injection Interval		
	3400' 3590' 3650'	3400 fee (perforated or open-	t to <u>3590</u> -hole, indicate wh	
ubing size _	2-3/8" lined with <u>Sea</u>	al Tite Plastic Coating		_ set in a
-	/2" Arlington-Elder Nickel Coated Lockset	(ma	nterial)	
(bran	nd and model) any other casing-tubing seal).			•
ther Data				
. Name	of the injection formation <u>Queen-Penro</u>	ose	·	.,
. Name	of Field of Pool (if applicable) Langlie	e Mattix (Seven Rivers-O	ueen-Grayburg) Fie	eld
	his a new well drilled for injection ?			
. Has t	the well ever been perforated in any other ging detail (sacks of cement or bridge pl	ug(s) used) <u>None</u>		
	the depth to and name of any overlying a			

Below: Teague (Glorietta-Paddock)

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 3362 Order No. R-3027

APPLICATION OF CARTER FOUNDATION PRODUCTION COMPANY FOR A WATERFLOOD PROJECT, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on January 5, 1966, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 13th day of January, 1966, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Carter Foundation Production Company, seeks permission to institute a waterflood project in the Langlie-Mattix Pool by the injection of water into the Queen formation through five injection wells at unorthodox locations in Sections 34 and 35, Township 23 South, Range 37 East, NMPM, Lea County, New Mexico.
- (3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.
- (4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Carter.Foundation Production Company, is hereby authorized to institute a waterflood project in the Langlie-Mattix Pool by the injection of water into the Queen formation through the following-described wells at the following-described unorthodox locations in Township 23 South, Range 37 East, NMPM, Lea County, New Mexico

Carter Foundation Production Company Blinebry Federal

Well No. 11, located 1300 feet from the South line and 1240 feet from the East line of Section 34:

Well No. 13, located 1300 feet from the South line and 1300 feet from the West line of Section 35;

Well No. 14, located 2660 feet from the North line, and 20 feet from the East line of Section 34;

Well No. 15, located 1340 feet from the North line and 1200 feet from the West line of Section 35; and

Well No. 16, located 1340 feet from the North line and 1340 feet from the East line of Section 34.

- (2) That the subject waterflood project is hereby designated the Carter Foundation Bline-Cade Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.
- (3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

-3-CASE No. 3362 Order No. R-3027

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

GUYTON B. HAYS, Member

A. L. PORTER, Jr., Member & Secretary

SEAL

APPLICATION OF CARTER FOUNDATION PRODUCTION COMPANY TO EXPAND ITS BLINE-CADE WATER FLOOD PROJECT IN THE LANGLIE-MATTIX POOL IN LEA COUNTY, NEW MEXICO.

WFX NO. 376

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701, Carter Foundation Production Company has made application to the Commission on August 26, 1972, for permission to expand its Bline-Cade Water Flood Project in the Langlie-Mattix Pool, Lea County, New Mexico.

NOW, on this 26th day of August, 1972, the Secretary-Director finds:

- 1. That application has been filed in due form.
- 2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
- 3. That no objection has been received within the waiting period as prescribed by Rule 701.
- 4. That the proposed injection wells are eligible for conversion to water injection under the terms of Rule 701.
- 5. That the proposed expansion of the above-referenced water flood project will not cause waste nor impair correlative rights.
 - 6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Carter Foundation Production Company, be and the same is hereby authorized to inject water into the Queen formation through the following described wells for purposes of secondary recovery, to wit:

Blinebry Federal Well No. 1 located in Unit G, and Blinebry Federal Well No. 2 located in Unit J, both in Section 35, Township 23 South, Range 37 East, NMPM.

PROVIDED HOWEVER, that the applicant shall inject water through tubing with packers set just above the injection zones in said wells.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr. Secretary-Director

APPLICATION FOR PERMIT

To Apprea at the Underground Waters of the State of New Mexico

	Capitan Underg	round Wa	ter Basin	966 STA
Ap	olication No. CP-110 Book CP-1	Date Recei	ved December	6, 1985
1.	Carter Foundation Pr			言言で
	Postoffice address Box 900	City or To	wn Kermit	<u> </u>
	County of. Winkler	State of	Texas	3
2.	Source of water supply	88		三二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二
	Capitan Underground Wa	eter Basi	ground water basin)	FIC
	(name of underground stream	valley, crtes	ian basin, etc.)	NW
3.	The well is to be located in the	N 0	¼, 	
		3- 5	, Range	37-Е , N.М.Р.М.
	on land owned by			12 246
4.	Description of Well: drifter	V D. No	depth to be dr	rilled_13,340 feet;
	Line Shaft Turbine Test Pump	in	ches; type of pump and	d power plant to be used
	Line Statt Idibite lest Fump			
			1400 1	
5.	Quantity of water to be appropriated and beneficiall		(feet depth or acre	leet per acre)
	for use in drilling and waterflood			purposes.
6.	Acreage to be irrigated None			acres
	located and described as follows (describe only lands t	o be irrigat	ed):	
			Acres	
	Subdivision Sec. Twp.	Range	Irrigated	Owner
				<u> </u>
	<u> </u>			
	8			
				温高 写
	(c)			<u> </u>
	<u></u>			
	(Note: location of well and acreage to be irrig		shown on plat on reverse si	ide.)
7.	Time required to commence construction 10 D		····	
	Time required to complete the works			;
	Time required to fully apply water to beneficial use.	15 Yes	rs	
8.	Additional statements or explanations (including data	on any other	er water rights appurte	nant to above lands)
	Developed approximately 40 gallon			
	perforations from 580-601', 622-64			
	drilling additional wells and subse	quently	tor waterflood of	the Langlie-Mattix
	pay zone.			

	Daham D. Missian			
	Robert D. Fitting			n upon my oath, depose
	say that I have carefully read the foregoing statemen same are true to the best of my knowledge and belief.		and all of the items con	atained therein, and that
		_	Foundation Prod	
			20-4 N-J	, applicant
_	3rd		December	65
Bul	scribed and sworn to before me this	day of	1	, 7l. D., 19
Мy	6-1-67 Commission expires		(fackie h)	Notary Public.
-			11	

APPROVAL OF THE STATE ENGINEER

Publication of notice ordered Jan. 5, 1966 Name of paper. The Jal Record Affidavit of publication received Dec. 6, 1965 Affidavit of publication filed Mar. 7, 1966 This application is approved for	Name of paper The Jal Recording Plication received Dec. 6, 1965 Affidavit of publication filed Mar. 7 This application is approved for 65.8 Name of paper The Jal Recording	cord
Affidavit of publication filed Har 7, 1966 te returned for correction Date of approval Bug. 17, 1966 This application is approved for 65.8. are feet of water object to all prior valid and existing rights to the use of the waters of said underground source and provided that applicant complies with all rules and regulations of the State Engineer pertaining to the drilling of well— 1. Depth of well shall in no event exceed the depth of the Santa Rosa formation. 2. Appropriation of water shall be limited to a maximum of 55.8 acre feet per annum. 3. Totalising meters shall be installed to that the total amount appropriated shall be measured and the quantity of water appropriated during the previous 3 calendar months shall be submitted to the Roswell Office on or before the 10th day of January, Appropriated to beneficial use and proofs fled on or before Aug. 31, 1970 Water shall be applied to beneficial use and proofs fled on or before Aug. 31, 1970 Water shall be applied to beneficial use and proofs fled on or before Aug. 31, 1970 This is to certify that I have examined the above application for permit to appropriate the underground waters the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this 17th day of Aug. A.D. 19-66. S. E. Reynolds State Rospicer NATH 13 By a. C. Sary D. E. Gravy Engineer NATH 13 By a. C. Sary D. E. Gravy Engineer Nater Rights Div.	Dec. 6, 1965 Affidavit of publication filed Har. 7 the returned for correction Date of approval Rug. 17, 19 This application is approved for 65.8	
This application is approved for 65.8 acre feet of water ject to all prior valid and existing rights to the use of the waters of said underground source and provided that applicant complies with all rules and regulations of the State Engineer pertaining to the drilling of wells prior valid and existing rights to the use of the waters of said underground source and provided that applicant complies with all rules and regulations of the State Engineer pertaining to the drilling of wells provided that applicant of water shall be limited to a maximum set 55.8 agre feet per annum. 3. Totalizing meters shall be installed to that the total amount appropriated shall be measured and the quantity set water appropriated during the previous 3 calendar months all be submitted to the Rossell Office on or before the 10th day of January, Agrays and becomplished in Profess lited who Defore Aug. 31, 1970 Water shall be applied to beneficial use and proofs filed on or before Aug. 31, 1970 Water shall be applied to beneficial use and proofs filed on or before Aug. 31, 1970 Water shall be applied to beneficial use and proofs filed on or before Aug. 31, 1970 Water shall be applied to beneficial use and proofs filed on or before Aug. 31, 1970 Water shall be applied to beneficial use and proofs filed on or before Aug. 32, 1970 Witness my hand and seal this 17th day of Aug. A.D. 19-66. S. E. Reynolds State Enginery Township 23-8 Range 37-E NM.P.M. 16 13 7 14 13 By: C. Carey Engineer Water Rights Div.	This application is approved for 65.8 acr	1966
This application is approved for	This application is approved for 65.8	
pect to all prior valid and existing rights to the use of the waters of said underground source and provided that applicant complies with all rules and regulations of the State Engineer pertaining to the drilling of wells. Depth of well shall in no event exceed the depth of the Santa Rosa formation. 2. Appropriation of water shall be limited to a maximum \$2.65.8 acre feet per annum. 3. Totalising meters shall be installed to that the total amount appropriated shall be measured and the quantity of water appropriated during the previous 3 calendar months shall be submitted to the Roswell Office on or before the 10th day of January, Apply and October of Santa Potors Ried on or before Aug. 31, 1970 This is to certify that I have examined the above application for permit to appropriate the underground waters the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this 17th day of Aug. A.D., 19-66. S. E. Reynolds Riage Register CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING FLAT: 15 Township 23-8 Range 37-E N.M.P.M. 16 15 15 14 13 By: C.		966
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Sec. 55.3 acree feet per annum. 3. Potalizing meters shall be installed to that the total amount appropriated shall be measured and the quantity of water appropriated during the previous 3 calendar months shall be submitted to the Roswell Office on or before the 10th day of January, Ag Works and Decoher of acre. Year and October of acre. Year and State Engineer the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this 17th day of Aug. A.D., 18-66. S. B. Reynolds State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: 16 15 15 14 13 By: J. G. Sury Engineer N.M.P.M. 21 22 23 24 24 28 27 26 25 33 34 990 35 36		
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State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: 31 13 13 13 13 13 13 13 13 13 13 13 13 1	f. 65.8 acre feet per annum. 3. Totalizing meters shall	1 be installed
Substituted to the Roswell Office on or before the 10th day of January, Application for permit to appropriate the underground waters the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this 17th day of Aug. A.D. 19-66. S. E. Reynolds State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS FOSSIBLE ON FOLLOWING PLAT: 100 (3) 35 Township 23-S Range 37-E NM.P.M. 16 15 15 13 By: J.	o that the total amount appropriated shall be measured a	and the quantity
Works and December and Foods factor of before Aug. 31, 1970 Water shall be applied to beneficial use and proofs filed on or before Aug. 31, 1970 This is to certify that I have examined the above application for permit to appropriate the underground waters the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this 17th day of Aug. A.D., 19-66. S. B. Reynolds State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: 16 15 7 14 13 By: J. G. J.	E water appropriated during the previous 3 calendar mont	ths shall be
Works shall be applied to beneficial use and proofs filed on or before Aug. 31, 1970 Water shall be applied to beneficial use and proofs filed on or before Aug. 31, 1970 This is to certify that I have examined the above application for permit to appropriate the underground waters the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this 17th day of Aug. A.D., 19-66. S. B. Reynolds State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: 16 15 7 14 13 By: J. G. J.	** *	
This is to certify that I have examined the above application for permit to appropriate the underground waters the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this 17th day of Aug., A.D., 19-66. S. B. Reynolds State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: 35 Township 23-S Range 37-E NM.P.M. 16 15 15 14 13 By: J. G. Gray Engineer Water Rights Div.		
This is to certify that I have examined the above application for permit to appropriate the underground waters the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this 17th day of Aug., A.D., 19-66. S. B. Reynolds State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: ion (s) 35 Township 23-S Range 37-E N.M.P.M. 16 15 15 13 By: J.		
the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions. Witness my hand and seal this	-	
Witness my hand and seal this 17th day of S. B. Reynolds State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: sion (s) 35 Township 23-S Range 37-E N.M.P.M. 16 15 14 13 By: Colony Brigineer D. E. Gray Engineer Water Rights Div. 33 34 990 35 36	This is to certify that I have examined the above application for permit to appropriate the under	rground waters
S. E. Reynolds State Engineer CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: 16	he State of New Mexico and hereby approve the same subject to the foregoing provisions and co	onditions.
CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: 16	Witness my hand and seal this	A.D., 19-66-
CATE WELL AND ACREAGE TO BE IRRIGATED AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT: 16	S. E. Reynolds	
16 15 14 13 By: Say Brights Div. 21 22 23 24 25 23 24 33 34 390 35 36 36		State Engineer
16 15 / 14 13 By: J. G. Stary D. E. Gray Engineer Water Rights Div. 28 27 26 25 33 34 990 35 36	00 0 1 00 0	
By: 1 6 2 nay D. B. Gray Engineer Water Rights Div. 28 27 26 25 23	ion (s) Range 37	, N.M.P.M.
21 22 23 24 Water Rights Div. 28 27 26 25 23 33 34 990 35 36	16 15 714 13	010
21 22 23 24 Water Rights Div. 28 27 26 25 23 33 34 990 35 36		16 Ssay
21 22 23 24 Water Rights Div. 28 27 26 25 23 33 34 990 35 36	By:	
21 22 23 24 Water Rights Div. 28 27 26 25 23 33 34 990 35 36	D. 1	s. Gray
21 22 23 24 23 23 23 24 28 27 26 25 23 23 24 25 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25		
33 34 99° 35 36	21 22 23 24	er kights biv.
33 34 99° 35 36		
33 34 99° 35 36		
33 34 99° 35 36		•
33 34 99° 35 36		
	28 27 26 25	
330'	33 34 990 35 36	

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of \$5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1-4-Fill out all blanks fully and accurately.

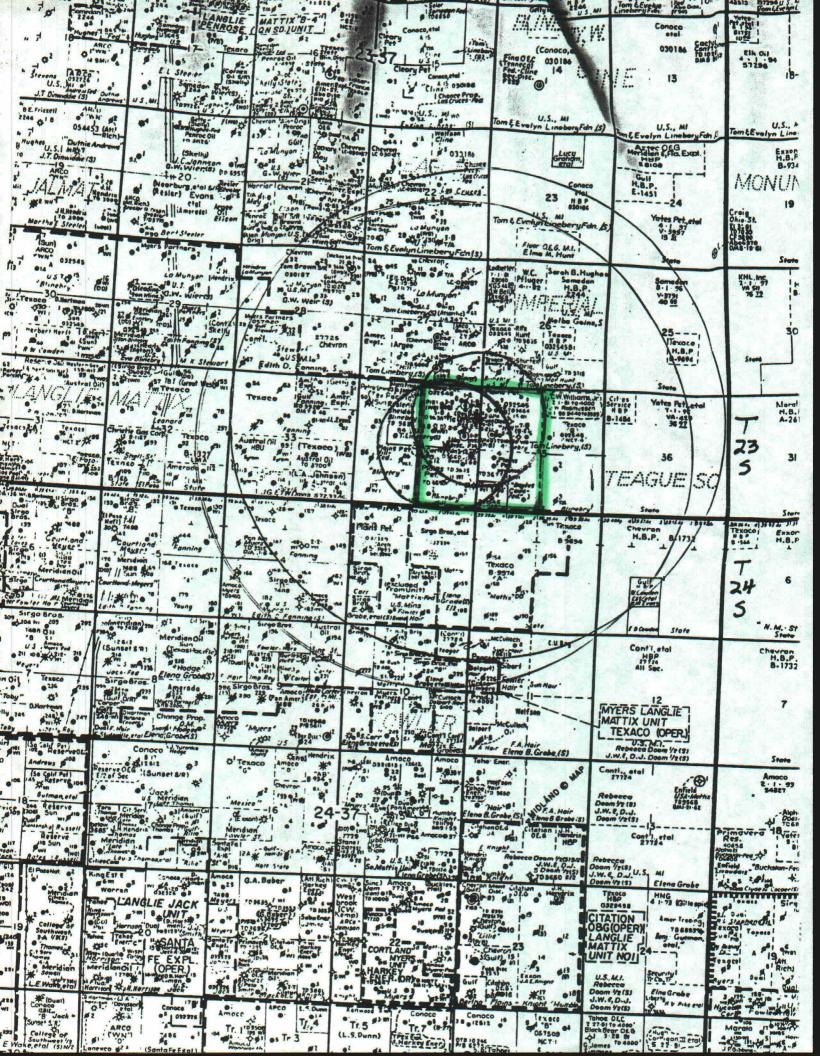
Sec. 5—Irrigation use shall be stated in feet depth or acre feet of water per acre to be applied on the land. If for domestic, municipal, or other purposes, state total quantity in acre feet to be used annually. Domestic use may include the irrigation of not more than one acre of lawn and garden for noncommercial use.

Sec. 6—Describe only the lands to be irrigated. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—Estimate time reasonably required to commence and to complete project.

Sec. 8-If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.



Oil Producer	5-26-51	3305'-3554' Seven Rivers-Queen-Penrose	3554'	Surface Surface	175 875	312' 3305'	13-3/8" 7"	37E	23S	H 34	7	Eva Blinebry Federal
Oil Producer	12-21-50	3326'-3563' Seven Rivers-Queen-Penrose	3563'	Surface Surface	175 875	328' 3326'	13-3/8" 7"	37E	238	F 35	6	Eva Blinebry Federal
Oil Producer	10-11-50	3300'-3544' Seven Rivers-Queen-Penrose	3544'	Surface Surface	175 875	316' 3300'	13-3/8" 7"	37E	23S	D 35	σı	Eva Blinebry Federal
Oil Producer	8-18-50	3315'-3594' Seven Rivers-Queen-Penrose	3594'	Surface Surface	175 875	321' 3315'	13-3/8" 7"	37E	23S	M 35	4	Eva Blinebry Federal
Oil Producer	7-1-50	3308'-3533' Seven Rivers-Queen-Penrose	3533'	Surface Surface	175 850	311' 3308'	13-3/8" 7"	37E	23S	P 34	ယ	Eva Blinebry Federal
Oil Producer	5-16-50	3309'-3536' Seven Rivers-Queen-Penrose	3536'	Surface Surface	175 850	311' 3309'	13-3/8" 7"	37E	23S	0 34	N	Eva Blinebry Federal
Oil Producer	4-8-50	3307'-3562' Seven Rivers-Queen-Penrose	3562'	Surface 150'	175 800	318' 3307'	13-3/8" 7"	37E	23S	- 34		Eva Blinebry Federal
Well Type	Date Drilled	Completion Interval	TD	Cementing Top	Cementing No. Sacks	Depth	Casing Size	ation p Range	Well Location No. UL Sec Township Range	UL Sec	Well No.	Well Name

6-7-67 Water Injector	6-7-67	3396'-3564' Seven Rivers-Queen-Penrose	3660' d)	Surface Surface (calc'd)	150 800	337' 3650'	7-5/8" 4-1/2"	37E	23S	- 34	1 4	Eva Blinebry Federal
6-16-67 Water Injector	6-16-67	3418'-3583' Seven Rivers-Queen-Penrose	3677'	Surface 250'	175 800	332' 3672'	7-5/8" 4-1/2"	37E	23S	M 35	13	Eva Blinebry Federal
Oil Producer	10-16-61	3496'-3572' Seven Rivers-Queen-Penrose	3600'	Surface 117'	300 800	314' 3600'	9-5/8" 7"	37E	23S	J 34	12	Eva Blinebry Federal
Water Injector	1-7-66	3490'-3566' Seven Rivers-Queen-Penrose	3648'	Surface Surface	150 1450	351' 3648'	8-5/8" 5-1/2"	37E	23S	0 34	_	Eva Blinebry Federal
Oil Producer	4-30-55	3448'-3555' Seven Rivers-Queen-Penrose	3555'	Surface Surface	200 875	311' 3448'	13-3/8" 7"	37E	23S	C 35	10	Eva Blinebry Federal
Oil Producei	1-31-53	3325'-3566' Seven Rivers-Queen-Penrose	3566'	Surface Surface	200 875	306' 3325'	13-3/8" 7"	37E	23S	D 35	9	Eva Blinebry Federal
Oil Produce	7-2-52	3304'-3538' Seven Rivers-Queen-Penrose	3538'	Surface Surface	200 875	322' 3304'	13-3/8" 7"	37E	238	A 34	œ	Eva Blinebry Federal
Well Type	Date Drilled	Completion Interval	TD	Cementing Top	Cementing No. Sacks	Depth	Casing Size	ıtion ⊳ Range	Well Location Township Range	Sec	Well No. UL	Well Name

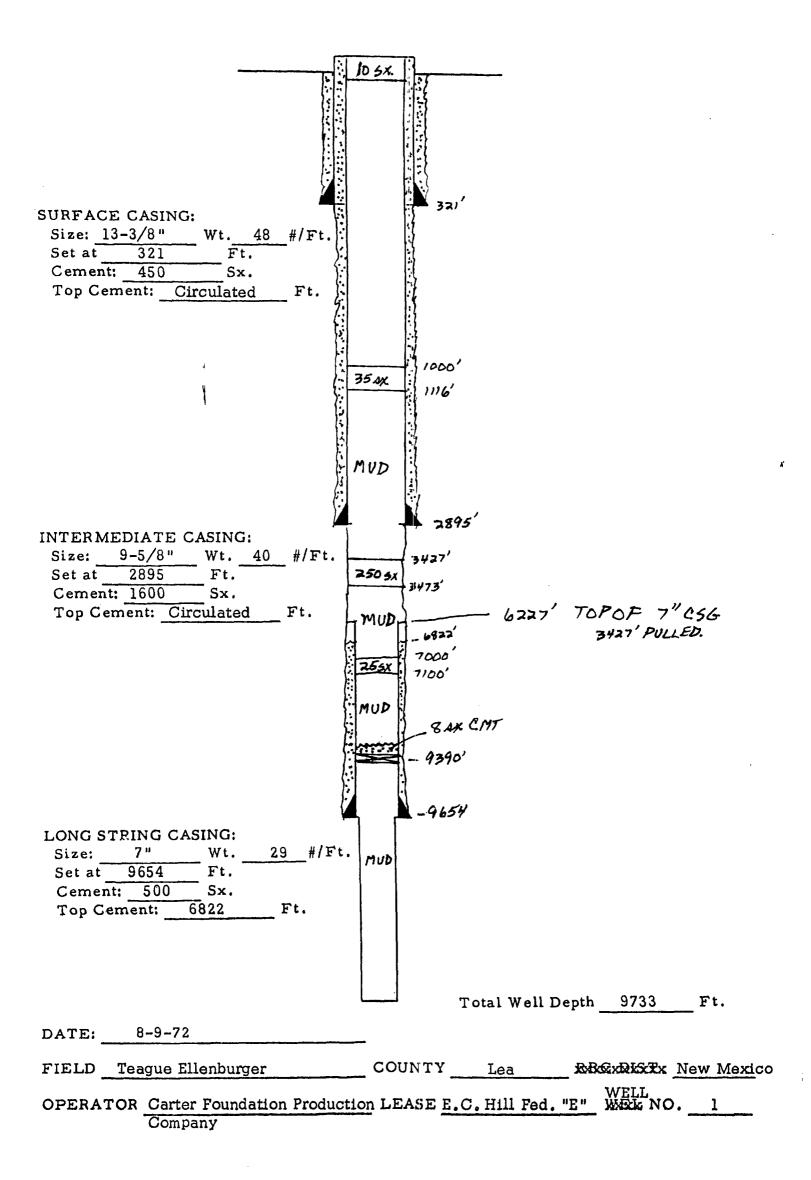
Oil Producer	1-26-52	Paddock	7484'	Surface Surface 3800'	300 1400 500	322' 2899' 7104'	13-3/8" 9-5/8" 7"	37E	238	34	1	E.C. Hill 'B'
Oil Producer	10-2-89	7318'-7343' Devonian	7650'	Surface 1650'	750 1495	1170' 7606'	8-5/8" 4-1/2"	37E	238	L 35	4	Baylus Cade
Oil Producer	7-29-51	3337'-3552' Seven Rivers-Queen-Penrose	3552'	Surface Surface	175 875	311' 3337'	13-3/8" 7"	37E	238	X 35	N	Baylus Cade
Oil Producer	1-8-50	3298'-3549' Seven Rivers-Queen-Penrose	3549'	Surface 300'	175 700	300' 3298'	13-3/8" 7"	37E	238	L 35	_	Baylus Cade
11-4-68 Water Injector	11-4-68	3412'-3568' Seven Rivers-Queen-Penrose	3625'	Surface 350'	175 800	355' 3617'	7-5/8" 4-1/2"	37E	238	34	17 P	Eva Blinebry Federal
6-27-67 Water Injector	6-27-67	3393'-3551' Seven Rivers-Queen-Penrose	3638'	Surface Surface	175 800	336' 3632'	7-5/8" 4-1/2"	37E	238	34	16 G	Eva Blinebry Federal
Water Injector	3-1-66	3436'-3585' Seven Rivers-Queen-Penrose	3664'	Surface Surface	150 1050	380' 3661'	8-5/8" 5-1/2"	37E	238	35	15 D	Eva Blinebry Federal
Well Type	Date Drilled	Completion Interval	TD	Cementing Top	Cementing No. Sacks	Depth	Casing Size	ion Range	Well Location No. UL Sec Township Range	L Sec	Well No. U	Well Name

Well Name	Well Well Location No. UL Sec Township Range	Well Location Township Range	Casing Size	Depth	Cementing No. Sacks	Cementing Top	TD	Completion Interval	Date Drilled	Well Type
E.C. Hill 'B'	2 H 34	23S 37E	13-3/8" 9-5/8" 7"	324' 2914' 7174'	300 1450 500	Surface 100' 4475'	7331'	5290'-5780' Blinebry	9-28-52	Oil Producer
E.C. Hill 'B'	3 B 34	23S 37E	13-3/8" 9-5/8" 7" 5-1/2" 84 4-1/2"	314' 2928' 9337' 8400'-9359' 5737'	300 1500 675 N/A 400	Surface 50' 4900' N/A 1450'	9371'	5298'-5740' Blinebry	4-2-53	Oil Producer
E.C. Hill 'B'	4 G 34	23S 37E	13-3/8" 9-5/8" 7"	329' 2917' 9510'	300 1500 650	Surface 450' 6100'	9827'	5287'-5794' Blinebry	7-10-53	Oil Producer
E.C. Hill 'B'	5 B 34 2	23S 37E	13-3/8" 7-5/8" 5-1/2"	322' 2918' 9582'	300 1500 500	Surface 750' 5350'	9737'	4912'-5058' Paddock-Glorietta	1-16-53	Oil Producer
E.C. Hill 'B'	6 D 35 2	23S 37E	13-3/8" 9-5/8" 7"	320' 2906' 9348'	300 1600 403	Surface Surface 6350'	9351'	5298'-5740' Blinebry	1-12-54	Oil Producer
E.C. Hill 'B'	7 J 34 2	23S 37E	14" 8-5/8" 5-1/2"	39' 1216' 6000'	10 635 1645	Surface Surface Surface	6001'	5297'-5775' Blinebry	7-21-92	Oil Producer

Well Name	Well Well Location No. UL Sec Township Range	cation Casing hip Range Size	Depth	Cementing No. Sacks	Cementing Top	TD	Completion Interval	Date Drilled	Well Type
E.C. Hill 'B'	7 F 35 23S	37E 13-3/8" 9-5/8"	320' 2927'	300 1600	Surface Surface	13355'	580'-681' Santa Rosa	7-27-54	Water Supply
E.C. Hill 'D'	1 H 34 23S	37E 13-3/8" 9-5/8" 7"	331' 2919' 9100'	300 1400 650	Surface 70' 5900'	9290'	7184'-7256' Devonian	8-13-52	Oil Producer
E.C. Hill 'D'	3 D 35 23S	37E 13-3/8" 9-5/8" 7"	308' 2904' 7304'	300 1600 500	Surface 50' 4400'	7304'	7207'-7280' Devonian	11-20-53	Oil Producer
E.C. Hill 'D'	4 A 34 23S	37E 13-3/8" 9-5/8" 7"	323' 2902' 9399'	300 2000 265	Surface 500' 6200'	9399'	7148'-7206' Devonian	1-12-54	Oil Producer
E.C. Hill 'D'	5 E 35 23S	37E 13-3/8" 9-5/8" 7"	316' 2908' 9729'	300 1500 650	Surface Surface 5650'	9734'	7265'-7295' Devonian	10-23-53	Oil Producer
E.C. Hill 'D'	6 I 34 23S	37E 13-3/8" 9-5/8" 7"	324' 2914' 7174'	300 1450 500	Surface 100' 4475'	7331'	7379'-5724' Blinebry	2-17-90	Oil Producer
E.C. Hill 'E'	1 A 34 23S	37E 13-3/8" 9-5/8" 7"	321' 2895' 9654'	450 1600 500	Surface Surface 6822'	9733'		11-28-51 P&A'd 1	P&A'd 1/75

				,								
P&A'd 3/75	8-3-55	3496' - 3536' Seven Rivers-Queen-Penrose	3600	Surface (calc'd) 3600' Surface (calc'd)	250 700	358' 3600'	8-5/8" 5-1/2"	37E	238	P 27	ω	Melba Goins
Oil Produce	8-18-80	3382' - 3466' Seven Rivers-Queen-Penrose	9825'	Surface (calc'd) Surface (calc'd) 7471' (calc'd)	325 2000 400	306' 2900' 9723'	13-3/8" 8-5/8" 5-1/2"	37E	238	P 27	<u> </u>	Melba Goins
Oil Produce	12-9-50	3454' - 3538' Seven Rivers-Queen-Penrose	3570'	Surface Surface	150 400	285' 3308'	10-3/4" 5-1/2"	37E	23S	N 34		Myers Langlie Mattix Unit 118
6-14-61 Water Injecto	6-14-61	3360' - 3559' Seven Rivers-Queen-Penrose	3572'	Surface 1884' (calc'd)	300 300	350' 3572'	8-5/8" 5-1/2"	37E	23S	K 34		Myers Langlie Mattix Unit 85
P&A'd 7/92	8-24-61	3420' - 3566' Seven Rivers-Queen-Penrose	3586	Surface (calc'd) 1898' (calc'd)	300 300	323' 3586'	8-5/8" 5-1/2"	37E	23S	F 34	84	Myers Langlie Mattix Unit
P&A'd 4/92	2-1-54		9812'	Surface Surface Surface (calc'd)	300 2500 660	308' 2871' 3550'	13-3/8" 9-5/8" 7"	37E	238	C 34	49	Myers Langlie Mattix Unit
P&A'd 1/75	5-14-52		9730'	Surface 900' 5772'	250 1400 650	317' 2914' 9577'	13-3/8" 9-5/8" 7"	37E	23S	Н 34	N	E.C. Hill 'E'
Well Type	Date Drilled	Completion Interval	đ	Cementing Top	Cementing No. Sacks	Depth	Casing Size	ation p Range	Well Location Township Range	Well No. UL Sec	Well No. U	Well Name

	E E Blinebry B Federal	Well Name
_		No.
M 26	N 26	UL S
Ö	Ŏ	ec To
238	23\$	Well Location Township Ra
37E	37E	Well Location Casing No. UL Sec Township Range Size
13-3/8"	8-5/8" 5-1/2"	Casing Size
316'	298' 3444'	Depth
300	115 200	Cementing No. Sacks
300 Surface (calc'd) 7539	115 Surface (calc'd) 3585 200 2318' (calc'd)	Cementing Top
7539'	3585	TD
5024' - 5236'	3496' - 3579' Seven Rivers-Queen-Penrose	Completion Interval
1-16-52	9-1-54	Date Drilled
1-16-52 P&A'd 1/52	9-1-54 Oil Producer	Well Type



	$\widehat{}$	PAA
	Arch Pe	troleum Inc. y Summary Sheet (WAS # 2) (1/75) # EC. HIW. # 2 E 1999 #
10.	Well Histor	y Summary Sheet
Operator	ATTENDED OF THE PARTY OF THE PA	πLegse π
RRC District/\(\frac{\bar{M}}{221F}\)	MOCC Made By DA	AVID MICHER Date 4/28/89
		34, T238, R37E, CEA CO, N.M.
•	•	Field
1 P F 1037 1		Zone ELLENBURGEK
		Total Holes
		Water
Recent Test		Lift Equipment
Misc. 327/ DF ELEV	·	
TIVE SXIII	Drive or Conductor	WELL HISTORY
174-741	" @	CGD TD #2E 10/53
	Surface: /3 3/8 " #8 # Gr. #-40	6/58 PUT ON PUMP TEST 5/BO+115 BW+36MCFB 3/59 TEST 11.6 BO+83 BW
300	@317 Cmt. w/	7/64 DRILLED OUT 9690 -9722, ACED W/1000 Gals 15%, RAN REDA PUP 8/64 @ 9000'.
317 70.5	250 Sx. TOC SURF.	7EST 86 BO + 1252 BW + ZZ MCF6
111/9/	Max Mud Wt	WOWN TO 5260. RAN FREE-PT@ 37/3, SHOT
900-	CM1 4 NACE 380	OFF TBG @ 3690 POOH W/2500'TBG& REDACHBLE CABLE BROKE @ SURF, and STARTED BACK IN MOLE,
		1200-1500' LOST IN HOLE , FIN, PULLING TBG,
2400-		PL PLUE OUT @ 3977' HIT TIGHT SPOT @ 5095,
2577	Intermediate: $95/811$, $32,36$ #	\$ ANOTHER @ 5221, SHOT OFF 21/8" HOG@ 6526
1250	Gr <u>H-40, J-55</u> @ <u>2914</u> Cmt w/ /400 Sx.	7/66 PR & PUSH RUG IN 27/8" 186 FRANT
5V	TOC @ 900 x T, S, Hole	1515 +0 7011, SHOT OFF TBG @ 8767, POOH FISH REDA CABLE, LOST WARESSION BUK IN HOLE
2914'	Size', Max Mud Wt#/G	RECV. BLK, TD@ 8710 (57' OF BANDS ABOVE
333	3	FISH@8767) STRING SHOT@9422 PCOH. RECV. TBG & ALL OF REDA PMP. TD@9650
3372 Lung CUTS	‡ PULL	RAN REDA PMP @ 9551 E/67 ACZD W/5000 GALS 28% (15MGAL WITE
5772 - 54 7	"CSG" _ //	AHEAD & FLUSH) Via CSG.
	Production: 7" 23,26,29 #, N-80 Gr.	3/69 ISMGALS WIR, 5000 GALS 28% ACID
4872-1350	@ 4577 , Cmt. w/	9/70 FISHED, SPOT 1100 GHLS 72% ACID CHEAT CUT @ 6338 POOH, RECV CABLE
, SX	5777 X 7, 5, Hole Size	(DOH W) REDA PMP & CHELE
7000 - 25X	Mx Mud Wt.	5/74 PULL TBG, SI WELL.
7107'-	#/G	1/75 SET BP@ 9200', DISP, FLUID IN HOLE W/
Mud	Liner:#.	PMN 25 SX @ 7107-7000
	Gr. @,	SX PLUG @ 3417 CMT WENT DOWN HOLE TO
136	Cmt. w/ Hanger	4872, CMT W/ 250 SX TOP@ 3372.
(1) (5)	HoleMx Mud Wt.	250 SX TOP@ 2400.
9200 - CIBP	Noisinx indu vvi.	RUT & PULLED 386 OF 95/8" (SG, PAIP TO SX 403-300, 10 SX PLUE @ SURF.
	TD' PBTD × 9650'.	SET MARKELL.
9577 - 1		
7 K	Pump:	
1 Y.		
	Rods:	Tubling
9650		Tubing
		Packer (TAC) @
9730		

5053963490

Form 3160-5 (November 1983) (Formerly 9-331) BUREAU OF LAND MANAGEMENT #UBILT IN TRIPLIC (Other Instructions of Instruction of Instructions of Instruction of	Form approved. Budget Bureau No. 1004-0135 Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO. NM-27723 6. IF INDIAN, ALLOTTES OF TRISE NAME
SUNDRY NOTICES AND REPORTS ON WELLS 1130 not use this form for proposals to delli or to deepen or plus back to it different reservoir. 120 not use this form for proposals to delli or to deepen or plus back to it different reservoir. 120 not use this form for proposals.)	7. UNIT AGREEMENT NAME
OIL AM WELL OTHER	B. FARM OR LEARE NAME
Texaco Inc. 3. Address of Operator	E.E. Blinebry "B" Federal NCT-2 9. Wall SO.
P.O. Box 728, Hobbs, New Mexico 88240 Location of Well (Report location clearly and in accordance with any State requirements.) See also appace 17 below.) At surface Unit Letter M, 660' FSL & 660' FWL	1 10. FIBLD AND POOL, OR WILDCAT Langlie Mattix Seven Rivers Queen 11. SEC. T. B. M., OB SLK. AND SURVEY OF AREA \$26, T235, R37E
14. PERMIT NO. 18. SLEVATIONS (Show whether OF, ST, GR, MA.)	13. COUNTY OR PARISE 18. STATE
30-025-10843 3466' DF	Lea NM
Check Appropriate Box To Indicate Nature of Notice, Report, or C NOTICE OF INTENTION TO: TERT WATER SHUT-OFF PULL OR ALTER CABING WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE ABANDON* Check Appropriate Box To Indicate Nature of Notice, Report, or C HOUSE OF INTENTION TO: HOUSE OF INTEN	Other Data DENT REPORT OF: REPAIRING WELL AUTERING CARING ARANDONMENT* X
Completion or Recompt 17. Dask MIDE PROPOSED OR COMPLETED OFFERTIONS (Clearly State all pertinent details, and give pertinent dates, proposed work. If well is directionally drilled, give subsurface locations and measured and true vertice nent to this work.) 1. MIRU.	al depths for all markers and somes perci-
2. TIH with workstring and circulated 10# gallon brine. Test Casing held okay. 3. Tagged CIBP at 4900'. Spot 10 sacks (100') cement on top C 4. Pulled up and spot 20 sack plug 4000' to 4100'. 5. Pulled up and sop 60 sack plug 2850' to 3350'. 6. Perforate 5 1/2" casing at 800' with 2 shots. Circulate do casing to top with brine water. 7. Cement with 200 sacks Class "C" cement. Circulate 10 sacks 8. Cut off wellhead. Install marker.	IBP. wn 5 1/2" casing up 8 5/8'
SIGNED All Bourning TITLE Dist. Adm. Supvr.	DATE 06/04/86
(This space for Federal or State office use) Order, Sociation Continue Title CONDITIONS OF APPROVAL, IM-ANT:	DATE 4.1216

o COPIES RECEIVED	Form C-103
HOITUE	Supersedes Old C-102 and C-103
NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
11 I CODIT	Sa, Indicate Type of Lease State Fee X
- OR ILLEGIBLE	5, State Oil 6 Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS	
TO NOT USE THIS FORM FOR PROPOSALS TO DRIVE OR TO DECPE. ON PUTO BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - " FORM C-1012 FOR BUS- PROPOSALS.)	7. Unit Agreement Name
well X well other. Plug & Abandon	
tlantic Richfield Company	6. Form or Lease Name Melba Goins
iress of Operator	9. Well No.
. O. Box 1710, Hobbs, New Mexico 88240	10. Field and Pool, or Wildcat
UNIT LETTER P 990 FEET FROM THE SOUTH LINE AND 330 PERT PROM	Langlie Mattix-Queen
THE East LINE, SECTION 27 TOWNSHIP 235 HANGE 37E HAPPMIN	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
3267'	Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Ot	
NOTICE OF INTENTION TO: SUBSEQUENT	T REPORT OF:
FORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALYERING CABING
COMMENCE DELLING OPNS. CHANGE PLANS CASING TEST AND CEMENT JOB	PLUS AND ASANDOHMENT [X]
OTHER	
Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	
SEE RULE 1703.	estimated an electricing any proposed
n 3/16/75 POH w/completion assembly. Spotted 35 sx Cl C w/2% CaCl a	cross perfs 3498-3593'.
OC tagged @ 3275'. Circulated hole w/heavy mud. Cut $5\frac{1}{2}$ " OD casing /8-5/8" cmt retr on 2-3/8" tbg set @ 325'. Displaced 100 sx Cl C Ne	at below retr across
alt section. Circ above retr to surface. MP 1200#. Installed reguell P&A effective 3/20/75. Final Report.	lation dry hole marker.
ell ran ellective 3/20/73. Final Report.	
ote: Your office to be notified when location is cleaned and levell	ad for increation
see, four diffee to be notified when rocation is pressed and revers	ed for inspection.
·	
hereby certify that the information above is true and complete to the best of my lowing	
Dist. Drlg. Supv.	A /A /75
Orig. Signed by	12/11/14 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
John Runyan	` ` \$
TIONS OF APPROVAL, IF ANY:	DATE

Application for Authorization to Inject Continued, Page 2

VII. Proposed Operating Conditions:

1. Average and Maximum Daily Rate: 400, 1000 BWPD 2. Water Injection System Configuration: 0pen

3. Average and Maximum Injection Pressure: 4. Sources of Injection Fluids: 1500 psig

Produced and Fresh water

5. Water Injection Purpose: Secondary Oil Recovery SWD Injection System

Teague Field lea County, NY

Plains Petroleum Operating Company Date of Analysis: September 28, 1992

Date of Sample: September 24, 1992

Sample Source: Header

Reference Number: DL-13488

EVA BLINEBRY SWD SEC. 34-T235- R37E LEA CO., NM.

API WATER ANALYSIS

DISSOLVED SOUIDS CATIONS Sodium, Na Calcium, Ca Magnesium, Mg	mg/l 18028 3008 1458	me/1 784 150 120
ANTONS		
Chloride, Cl	34435	971
Sulfate, SS4	3207	67
Carbonate, CO3	Ó	O
Bicarbonate, HCO3	976	16
Total Dissolved Solids .	61112	
Specific Gravity	1.044	
F.: (1-1	7.6	
Hardness as CaCO3, mg/l	13514	
Resistivity, ohm-meters @ 75'F	0.120	
Sulfate as H2S	present	

R.S. Dickey Dickey Analytical Laboratory, Inc.

Dickey Analytical Laboratory, Inc.

MARK NIEBERDING	From DICKEL
CO. DIAINS PETROLLUM	DICKEY ANA. LAB
Dept.	Phone # (287 - 2240

P.O. Box 2163 Midland, Texas 79702 915 - 687-2240

Plains Petroleum Operating Company Date of Analysis: September 28, 1992 <u>Fresh Water Station</u>

Teague Field Lea County, MM

Date of Sample: September 24, 1992

Sample Source: Header

Reference Number: DL-13489

E.C. HILL 'B' No. 7 WSW SEC. 35 - T735 - R 37E LEA CO., NM

WATER ANALYSIS

DISSOLVED SOLIDS		
CATIONS	mg∠l	me/l
Soctium, Na	272	12
Calcium, Ca	19 32	5 5
Magnesium, Mg	73	G
ANIONS		
Chloride, Cl	389	11
Sulfate. SO4	340	7
Carbonate, COS	O	Q
Bicarbonate, HCC3	268	4
Total Dissolved Solids '	1434	
Specific Gravity	1.000	
pd4	7.8	
Hardness as CaCO3, mg/l	Edition (Sept. 1)	
Resistivity, ohm-meters @ 75'F	4 . C	
Sulfate as H28	nome detected	

R.S. Dickey Dickey Analytical Laboratory, Inc. Application for Authorization to Inject Continued, Page 3

VIII. Geological Data:

The injection zone in the Queen-Penrose between 3400 and 3800' consists of fine grained quartzose sandstone. The fresh water source is the Santa Rosa Formation between 350 and 650'. This unit is comprised of medium grained sandstone units of variable thickness and lateral extent.

IX. Proposed Stimulation Program:

The two proposed injection wells will be stimulated with approximately 10,000 gals 15% NEFE HCl acid upon initial completion. Thereafter, maintenance of injectivity will be obtained with smaller volume acid stimulation treatments as needed.

X. Logging or Test Data:

Upon drilling and completing the wells, injectivity test data and well logs will be acquired, reported, and submitted to the appropriate Federal and State offices.

XI. Analysis of Fresh Water:

Attached is a chemical analysis of the fresh water produced from the E. C. Hill 'B' No. 7 WSW located 990' FNL & 330' FWL of Section 35-T23S-R37E. The well is currently producing from the Santa Rosa formation with perforations between 580' to 681'.

XIV. Proof of Notice:

Attached are copies of the certified mail receipts to the surface owner and offsetting leasehold operators within the 1/2 mile radii of the subject wells. In addition, a proof of publication is attached to show that a public advertisement has been published in the Hobbs Sun on September 23, 1992.

AFFIDAVIT OF PUBLICATION

State of New Mexico. County of Lea.

I. Kathi Bearden

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period

-1 (3
Three (days) weeks.
Beginning with the issue dated
a
Sept. 24 , 19 92
and ending with the issue dated
Sept. 27 , 19 92
General Manager
General Manager
Sworn and subscribed to before
$\mathcal{L}_{\mathcal{L}}$
me this \(\frac{\gamma}{4} \) day of
Paule Paule
Paule Paule
Notary Public. My Commission expires
Paulo La VIIII

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE September 24, 25, 27, 1992 Plains Petroleum

Operating Company (415 West Wall Street, Sulte 1000, Midland, Texas 79701, (915)-683-4434, Attention Mark Nieberding, Petroleum Engineer) Intends to drill, and complete two water injection wells to expand the secondary oil recovery operations in the Blinebry-Cade Waterflood Project in the E/2 of Sec. 34-T235-R37E, Lea County, New Mexico. Water will be injected into the Queen-Penrose formation through perforations from ± 3400′ to ± 3590′. Water will be injected at average and maximum rates of about 400 BWPD and 1000 BWPD; average and maximum expected injection pressures are 1100, and 1500 psig respectively. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.



ARCO Texaco E & P Mr. Tom Linebery P. O. Box 3109 P. O. Box 1610 P. O. Box 959 Midland, TX 79702 Midland, TX 79702 Kermit, TX 79745 Attention D. D. Ulrich

Chevron Sirgo Operating P. O. Box 3531 P. O. Box 1150 Midland, TX 79702 Midland, TX 79702

Notification of Application for Authorization to Inject Re: Eva Blinebry Nos. 19 and 20

1420' FNL & 20' FEL, Sec 34-T23S-R37E; 2520' FSL & 1290' FEL, Sec 34-T23S-R37E

Lea County, New Mexico

Dear Sirs:

Please find enclosed an Application for Authorization to Inject for the two subject wells. These two wells are an expansion of the Blinebry-Cade Waterflood Project that was originally approved by the Oil Conservation Commission on January 1966 with Order No. R-3027.

The purpose of this letter is to request a waiver of objection for the injection of produced salt water. If you agree to this waiver, please sign and return one copy of this letter in the enclosed self-addressed envelope.

Oil Conservation Division, P.	or hearing must be filed, within 15 days, with the . O. Box 2088, Santa Fe, New Mexico 87501. Should in regard to this application, please call me at
Sincerely yours, PLAINS PETROLEUM OPERATING CO Mark A. Nieberding Petroleum Engineer)MPANY
cc: Well File	Company
Reading File	Signature
	Date

STATE OF NEW MEXICO



STATEMERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

 $_{5}$ PN 10 04 OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

10-1-92

BRUCE KING 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		
PMX		
Gentlemen:		
Gentlemen:		
I have examined the application for the:		
Than Tet Operating Co. Ever & Blandby #19-14 34-22-31		
Plain Let Operating Co. Eva & Stenebry #19-14 34-23-37 Operator Lease & Well No. Unit S-V-R #20-14 34-23-37		
and my recommendations are as follows:		
<i>y</i>		
Yours very truly		
LaryCesto		
James Sayton		
Jerry Sexton Supervisor, District 1		

270C 6:1 2 # WFX 637

SENDER: • Complete items 1 and/or 2 for additional services. • Complete items 3, and 4s & b. • Print your name and address on the reverse of this form so the return this card to you. • Attach this form to the front of the mailpiece, or on the back does not permit.	if space 1. Addressee's Address
 Write "Return Receipt Requested" on the mailpicce below the art The Return Receipt Fee will provide you the signature of the pers to and the date of delivery. 3. Article Addressed to:	j a, with the scile to a bourgery
P. O. Box 959 Kermit, TX 79745 16 1 1992	Service Type Thegistered Insured COD Express Mail Acturn Receipt for Merchandise 7. Pate of Delivery
5. Signature (Addressee) 6. Signature (Agent)	8 Addressee's Address (Only if requested and fee is perid)
PS Form 3811, November 1990 et.s. GPO: 1991-28	RECEIVELTIS CETURN RESEIPT

SENDER: • Complete Items 1 and/or 2 for additional services. • Complete items 3, and 4a & b. • Print your name and address on the reverse of this form so the return this card to you. • Attach this form to the front of the mailpiece, or on the back it does not permit. • Write "Return Receipt Requested" on the mailpiece below the artiful the Return Receipt Fee will provide you the signature of the perset of and the date of delivery.	f space 1. Addressee's Address
3. Article Addressed to:	4a. Article Number
BC OPERATING INC.	P 963 193 471
24 SMITH RD	4b. Service Type
MIDLAND, TX 79705	Certifled COD Express Mail Receipt for Merchandise
	7. Date of Delivery
	10-16-92
5. Signature (Addressee)	Addressee's Address (Only if requested and fee is paid)
6(Signature (Agent)	60%
D. Walker F	RECEIVED SST 1 8 1992
PS Form 3811, November 1990 #U.S. GPO: 1991-287	ONE DOMESTIC RETURN RECEIPT

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Poc Ne: Ordut WFX 637

SENDER: • Complete Items 1 and/or 2 for additional services. • Complete Items 3, and 4a & b. • Print your name and address on the reverse of this form return this card to you, • Attach this form to the front of the mailpiece, or on the does not permit. • Write "Return Receipt Requested" on the mailpiece below. The Return Receipt Fee will provide you the signature of to and the date of delivery.	a back if space 1. Addressee's Address 1. Restricted Delivery
3. Article Addressed to: CHEVRON P. O. Box 1150 Midland, TX 79702	4a. Article Number P 963 193 406 4b. Service Type Registered Insured Certified COD Express Mall Return Receipt for Merchandise 7. Oate of Delivery OCT 16 1992
Signature (Addressee) Signature (Agent)	8. Addressee's Address (Only if requested and fee is paid) RECEIVED GCT 1 8 1992

SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, and 4e & b. Print your name and address on the reverse of this form so treturn this card to you. Attach this form to the front of the mailpiece, or on the backdoss not permit. Write "Return Receipt Requested" on the mailpiece below the a The Raturn Receipt Fee will provide you the signature of the per	cif apace 1. Addressee's Address
3. Article Addressed to: SIRGO OPERATING P. O. Box 3531 Midland, TX 79702	4a. Article Number P 963 193 407 4b. Service Type Registered Insured Cortified COD Express Mail Return Receipt for Merchandisa 7. Date of Delivery
5. Signature (Addressea) 6. Signature (Agent) Annu.	Addressee's Address (Only if requested and fee is paid)
PS Form 3811. November 1990 & U.S. GPO: 199121	CECTOWEGE IC HETURN RECEIPT

 Complete items 3, and 4a & b Print your name and address on the reverse of this fi 	following services (for an extra		
return this card to you. Attach this form to the front of the melipiace, or on does not permit. Write "Return Receipt Requested" on the melipiace bel. The Return Receipt Fee will provide you the signature of the date of dolivery.	the back if space 1. Addressee's Address		
3. Article Addressed to: TEXACO E & P	4a. Article Number P 963 193 472		
P. O. Box 3109 Midland, TX 79702	4b. Service Type Registered Insured Certified ICOD Express Mail Receipt for Merchandise		
	7. Date of Delivery 0CT 16 1992		
5. Signature (Addressee)	8. Addressee's Address (Only if requested and fee is paid)		
8. Signature (Agens)			
PS Form 3811 , November 1990 - 4 U.S. GPD:	1991- PECHINAESTIC RETURNICATION		

I also wish to receive the

SENDER:

Complete items 1 and/or 2 for additional services.
 Complete items 3, and 4s & b