

Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088

RE: Application for Authorization to Inject Form C-108 Resler Yates State Eddy County

Gentlemen:

Please find enclosed Forms C-108 on the referenced lease; wells #55, 370, 379, and 380. To follow under seperate cover will be proof of notification to offset operators and proof of publication. If any additional data or information is required, please let me know by calling 1-800-772-8558.

Yours very truly,

Jim B. Paschall V.P. Operations

MAY - 8 1989

OIL COLUTEVATION DIV.

G Raton →	STALEY O 1-GH MORROW DISC.	YATES FWAY	TD 23.48 Sr. Lock. 65 65 65 State State	A9 I AWELCH	42 43	32 33 34 0-YATES VATES DRIG	YATES, S/R 24 25 4 A		A YATES	\$ \$ \$ \$
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**	1-A 201	KERSEY & CO.	(a) (b) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	** 10 C4 C5 03 0 5			14 12 M 1 20 30 302 302 302 302 302 302 302 302 3	Jan Seliz	Mershon Pares St. Lockdorder	ARCH (3)
		DEPCO +218 +2 DEPCO	. 86 (92 State		70	8 68 DEFCO - VALES	Rester-St. State		-2	DEPCO, et al

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

of the earlier submittal.

OIL CONSERVATION DIVISION

POST OFFICE BOX 2008
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108 Revised 7-1-81 \$37₀

I.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval?
II.	Operator: Arch Petroleum Inc.
	Address: Suite IIA, 777 Taylor Street, Fort Worth, Texas 76102
	Contact party: Jim B. Paschall Phone: 817 332 9209
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? \mathbb{Q}^{X} yes \mathbb{Q} no \mathbb{R} -966- \mathbb{E} If yes, give the Division order number authorizing the project \mathbb{R} -966- \mathbb{E}
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.
٧١.	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.
νΙΙ.	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; 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 If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
х.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
ХІ.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
KIII.	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: Jim B Paschall Title V.P. Operations Signature: 5-3-89

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.

- 8. 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.

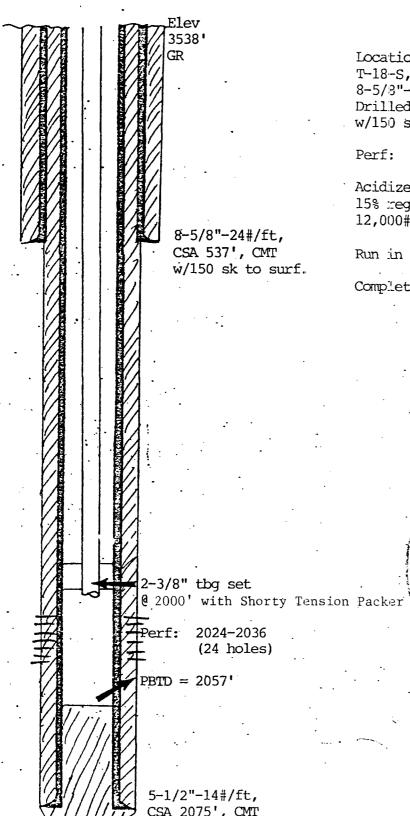
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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.

To Cale	TI TOLOR		Schematic	Arch Petroleum Inc. OPERATOR #370 FOOTAGE LOCATION
Size 51 "Cemented with 150 TOC 1500 Calc. feet determined by Calc. Hole size 7 7/8 Total depth 2075 Injection interval feet to 2036 (perforated or open-hole, indicate which)	sizefeet d	Hole size 11" Intermediate Casing " Comented with	Surface Casing Size 8 5/8 " Cemented with 175 s	Resler Yates State LEASE 32 18S 28E SECTION TOWNSHIP RANGE
s ×		n <	ω ×	

	Empire Yates-Seven Rivers	
es (pools) in	Give the depth to and name of any overlying and/or underlying oil or gas zones this area. Empire ABO	. •
	None	
rated interval	Has the well ever been perforated in any other zone(s)? List all such perforated and give plugging detail (sacks of cement or bridge plug(s) used)	4.
	If no, for what nurpose was the well originally drilled?	
	Is this a new well drilled for injection? $/\!\!\!/\!\!\!/$ Yes $/\!\!\!/_{\!\!\!\!X}$ No	3.
	Name of Field or Pool (if applicable) <u>Artesia QN-CB-SA (Artesie Water Flood #3)</u>	2.
	Name of the injection formation <u>Grayburg</u>	
	her Data	Other
	r describe any other casing-tubing seal).	(or
	(brand and model)	
feet	Shorty Tension Packer 2000	нS
set in a	Tubing size 2 3/8 lined with None(fresh water) (material)	Tub

LEASE & WELL NO. Kester Ist Grayburg Resler Yates State #370 FOR TON COUNTY & STATE _ Eddy, NM COMPANY Arch Petroleum Inc.



Well History

Location: 1650' FNL & 990' FEL, Sec. 32, T-18-S, R-28-E. Drilled to 537' and set 8-5/3"-24#/ft, CMT w/175 sk to surface. Drilled to 2075' and set 5-1/2"-14#/ft, CMT w/150 sk.

Perf: 2024'-2036' w/2 jets per ft.

Acidize or frac 2024'-2036' w/500 gals 15% reg acid, frac w/6000 gals H₂O plus 12,000 # 20/40 sand.

Run in hole w/2-3/8" tbg set @ 2000'

Completed on 11-1-67.

CSA 2075', CMT w/150 sk

WELL DATA SHEET

OPERATOR:	WELL NAME 8	NO: # 370
LOCATION: 1650 FEET FROM THE U	LINE AND 996	FEET FROM THE & LINE
of SECTION 32, TOWNSHIP /PS	, RANGE SPE	NMPM, COUNTY, N.M.

S	SCHEMATIC	
	·—	
Utel suitable for injection		
		8 48 @ 537' W 1755X
		accepted by cross
	/360'	24; "C AK'
		-1.11
		77/0" Hole
		51/2"0 2015' W/ 100 SX
		Perts - 2004-2036
<u> </u>		70C by Cole @ 1360'

of the earlier submittal.

OIL CONSERVATION DIVISION POST OFFICE BUX 2088 STATE LAND OFFICE BUILDING

FORM C-108 #388 Revised 7-1-81

	SANTA FE. NEW MEXICO 87501
APPLICAT	ION FOR AUTHORIZATION TO INJECT
1.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval?
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	Address: Suite IIA, 777 Taylor Street, Fort Worth, Texas 76102
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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? \overline{X} yes $\overline{\ }$ no R-966-E If yes, give the Division order number authorizing the project $\underline{\ }$.
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.
٧1.	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; 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 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 lithological 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.
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XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	Name: Jim B. Paschall Title V.P. Operations
	Name: Jim B. Paschall Title V.P. Operations Signature: 5-3-89
* If the	e information required under Sections VI, VIII, X, and XI above has been previously tted, it need not be duplicated and resubmitted. Please show the date and circumstance

III. WELL DATA

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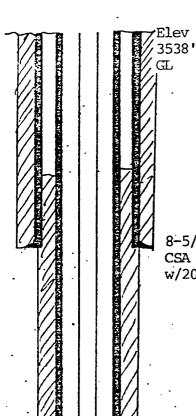
OPERATOR Arch Petroleum Inc.	LEASE Resler Yates State		
WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP'	RANGE
38D 990 FEL & 2310 FNL	32	185	28E
Schematic		Tabular Data	
	Surface Casing		
	Size 8 5/8	" Cemented with	200 sx.
	TOC Surface	feet determined by	Visual
	Hole size 11"		
方 1 1 かっこ pラ	Intermediate Casing		
	Size	Cemented with	
	700	feet determined by	
	Hole size		
<u>©</u>	Long string		
	Size 5½	" Cemented with	150 sx.
	Hole size 7.7/8		
. '0	Total depth 2083'	3 -	
	Injection interval		

(perforated or open-hole, indicate which)

2046

5. Give	4. Has t	3. Is th	 Name Name 	Other Data	(bra		Tubing size
the depth to and name of any overlying and/or underlying oil or gas zones (pools) in area. Empire ABO Empire Yates-Seven Rivers	the well ever been perforated in any other zone(s)? List all such perforated interval give plugging detail (sacks of cement or bridge plug(s) used)	this a new well drilled for injection? $\frac{1}{2}$ Yes $\frac{1}{2}$ No no, for what purpose was the well originally drilled? Producer	of the injection formation Grayburg of Field or Pool (if applicable) Artesia-QN-GB-SA (Artesia Water Flood #3)	ta	(brand and model) ribe any other casing-tubing seal).	(material) Shorty Tension Packer packer at 2027 feet	ize 2 3/8 lined with None (程度sh Water) set in a

LEAY WELL NO. Resler Yates State #380
FOR ATION 1st Grayburg
COUNTY & STATE Eddy, NM
COMPANY: Arch Petroleum Inc.



Well History

Location: 990' FEL & 2310' FNL, Sec. 32 T-18-S, R-28-E. Drilled to 532' & set 8-5/8"-28#/ft, CMT w/200 sk. Drilled to 2080' & set 5-1/2"-14#/ft, CMT w/150 sk to 1550'.

Perf: 2036'-2046' w/

Acidize or frac 2036'-2046' w/500 gals 15% reg acid plus 6000 gals gelled H₂O plus 12,000# 20/40 sand.

Run in hole w/2-3/8" EUE set @ 2027

Completed on 4-23-69 for an I.P. of 39 BOPD x 5 BWPD for 24 hrs.

8-5/8"-28#/ft CSA 532', CMT w/200 sk to surf.

2-3/8" EUE tbg set @ 2027' with Shorty Tension Packer

PBTD = 2063'

5-1/2"-14#/ft CSA 2080', CMT w/150 sk to 1550'

WELL DATA SHEET

OPERATOR:		WELL NAME	& NO: 350
LOCATION: 23/0	FEET FROM THE $\cal N$	LINE AND 9%	FEET FROM THE Z LINE
of SECTION 33	, TOWNSHIP AS	, RANGE AFE	, NMPM, COUNTY, N.M.
*****	******	*****	*******
	<u>.</u>	CHEMATIC	
Well suitable for in	yectin		
			841" @ 352' W 2005X
			Orabled by wises!
			
			
			
			-
		1365'	70C@ 1365 4, Cate.
			
			23/11/@ 2027'
		+	
			5/2 * @ 2080' al 150 8X
			Part 2036-2016
	: _ _	P870 - 216	3
			
	7	7.0	- 20f3

of the earlier submittal.

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

FORM C-108 Revised 7-1-81

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	Signature: 5-3-89 Date: 5-3-89

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Oil Producer COMPANY ARCH PETROLEUM INC.

LEAS 1 WELL NO. Resler Yates State "379

FORMATION Ist Grayburg

COUNTY & STATE Eddy, NM

E1 35

Elev 3542' GL Well History

Location: 2150' FNL & 1800' FEL, Sec. 32, T-18-S, R-28-E. Set 8-5/8", 20# casing at 538' Ran 4-1/2", 9.5# casing to 2085'.

Injection interval 2014'-2026'
2-.5" holes/ft.

Acid: 500 gal 15% regular acid

Perfs: 2014'-2026' (2 shots/ft.) fraced using 6,000 gal H_2O , 12,000# 20/40 sand

Completed (1-5-68) I.P. 75 BO, 5 BW.

TD = 2085' PBTD 2039'

8-5/8", 20# CSA 538', CMT w/200 sks

2-3/8" EUE tubing set @ 2000' with Shorty Tension Packer

Perfs 2014'-2026' (2 shots/ft)

PBTD = 2039'

MAY SO 1984

4-1/2", 9.5# CSA 2085', CMT w/100 sks

TD = 2085'PBTD = 2039'

•		
	Total depth 2085'	
	Hole size 7 7/8	
feet determined by cacl.	TOC 1500 f	
Cemented with 100 sx.	Size 43	
•	Long string	, Q
	Hole size	
feet determined by	. 10C fi	
Cemented withsx.	Size	
	Intermediate Casing	ATT おくなもつ
	Hole size 11"	•
feet determined byvisual	IOC surface f	
Cemented with 200 sx.	Size 8 5/8 "	
	Surface Casing	
Tabular Data	Tabi	Schematic
	32	2150 FNL &
TOWNSHIP RANGE	SECTION	WELL NO. FOOTAGE LOCATION
	Resler Yates State	Arch Petroleum Inc.
	LEASE	OPERATOR

(perforated or open-hole, indicate which)

Tub	Tubing size 2 3/8 lined with none(fresh water)	set in a
	(material) Shorty Tension Packer packer at 2000'	feet
(or	(or describe any other casing-tubing seal).	
Other	ner Data	
•	Name of the injection formation Grayburg	
2.	Name of Field or Pool (if applicable) Artesia-QN-GB-SA (Artesia Water Flood #3)	
3	Is this a new well drilled for injection? $/\!$	
	If no, for what purpose was the well originally drilled? Producer	
4.	Has the well ever been perforated in any other zone(s)? List all such perforated and give plugging detail (sacks of cement or bridge plug(s) used)	interval
. •	Give the depth to and name of any overlying and/or underlying oil or gas zones (poth this area. Empire ABO Empire Yates-Seven Rivers	(pools) in

WELL DATA SHEET

OPERATOR:		WELL NAME &	NO: <i>379</i>
LOCATION: 2/50	FEET FROM THE N	LINE AND 1800	FEET FROM THE & LINE
of SECTION 32	, TOWNSHIP /PS	, RANGE SPE ,	NMPM, COUNTY, N.M.
*****	******	*****	*******
Well is switable for	<u>wyechm</u>	CHEMATIC	
			85% "@ 538 a 200 8x
			
			
			
			245"@2000'
			70C cA@ 1722'
			Pot- and- and
			77;" Lote
		PBTD: 2059	41/2"@ 2045' W 100 SX

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

of the earlier submittal.

OIL CONSERVATION DIVISION

POST OFFICE BUX 2088
STATE LAND OFFICE BUILDING
SANTA FE. NEW MEXICO 87501

FORM C-108
Revised 7-1-81

Ι.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval?
II.	Operator: Arch Petroleum Inc.
	Address: Suite IIA, 777 Taylor Street, Fort Worth, Texas 76102
	Contact party: Jim B. Paschall Phone: 817 332 9209
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? \(\square\) yes \(\sum_{no}\) no R-966-E If yes, give the Division order number authorizing the project
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; 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 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.).
III.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
х.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
xīv.	Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	Name: Jim B. Paschall Title V.P. Operations
	Signature: 5-3-89

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.

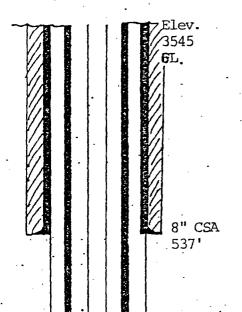
								DITECHEO						Schematic	WELL NO. FOOTAGE LOCATION	ATOR	Arch Petroleum Inc.
Injection interval	Total depth 2055'	Hole size 7"	TOC <u>Unknown</u> feet determined by	Size 55 "Cemen	Long string	Hole size	TOCfeet determined by	Size "Cemen	Intermediate Casing	Hole size Cable Tool	IOC Unknown feet determined by	Size 8" Cemen	Surface Casing	Tabular Data	CTION	LEASE 18S	Resler Yates State
	•		ined by	Cemented with <u>Unknown</u> sx.			ined by	Cemented withsx.			ined by	Cemented withsx.				28E	

2008 reet to 2035 Open Hole (perforated or open-hole, indicate which)

feet

ubing size 2 3/8 lined with None (Fresh Water) (material) Shorty Tension Paker 1975"
or describe any other casing-tubing seal).
Name of the injection formation Crayburg
Name of Field or Pool (if applicable) Artesia-QN-GB-SA (Artesia Water Flood #3)
Is this a new well drilled for injection? $/\!$
If no, for what purpose was the well originally drilled?Producer
Has the well ever been perforated in any other zone(s)? List all such perforated and give plugging detail (sacks of cement or bridge plug(s) used)
Give the depth to and name of any overlying and/or underlying oil or gas zones (pools)
Empire Yates-Seven Rivers

LEASE & WELL NO. Resler Yates State #55
FOI ATION 1st Grayburg
COUNTY & STATE Eddy, NM



Well History

Location: 960' FNL & 1440' FEL Sec. 32, T-18-S, R-28-E. Drilled to 537' and set 8" csg. Drilled to 2008' and set 5-1/2" csg.

Completed on 10-16-28, no I.P.

Open hole = 2008'-2035'

Acid: unknown

TD = 2055



2 3/8 tubing with shorty tension packer: @ 1975

5-1/2" CSA 2008'

open hole = 2008'-2035'

PBTD - 2035'

WELL DATA SHEET

SCHEMATIC SCHEMATIC SCHEMATIC SCHEMATIC	<u> </u>
SCHEMATIC No coment records: 8º @ 537'	V LINE
SCHEMATIC No coment records: 8º @ 537'	NTY,N.M.
Ab coment records. Br @ 537'	
Ab coment records. Br @ 537'	
& @ S37'	
& @ S37'	 _
5½" @ 2008'	
Inj. Interval - 2008	<u>-</u>
Inj. Interval - 2008	'-2235'

MONEXCO, INC

TWIN LAIRES # 1 EDDY CO NM

MAKEN 25 5X 5401 30 5x 2036 53 CSA 2448

well History LOCATION 250 FSL, 256 FILL 526 7-18-5 R 20 E DA = Dalleo - Wansur 78 2560 RAN 1" SET & 540' CEMENTED W TH 255% RAD 32 50 6 2448 (Com away) W TH 30 =X RAN 23'LA SET & 2036' COMPINED WITH 2501X PHA 5-16 86 PLUG @ 1900. PLUG 1550-1900' PLUG 732-850 Paul 290 - 400' Paul 0-301 4" MARICER R. Surface

The Paris

Kensey + com Panx

EDDY CO NOT

MANKEN CAMANTED 325-202"
Between 4/2-85 325 25 3x Between 42.85 8" C3A 670 N -cor pun doi grander. 1396 700 250 SX 42 CSA 20501 TO 2115

LUCINION! 1320 FWL, 250 FNL
SEC 33, T-18-S, R-28-E

Dilled TO 2115 AUG 16, 1925

SET 2" TO 670'

DECEMBER 1765 SET 42

TO 2050, CEMENTED WITH

250 SX. TOP OF CEMENT 1340'

PHA APR 1986

56 SX @ 2000-1500'

RNN 1" + CEMENTED BETWEEN

45 + 75 670' + 325'-200'.

YATES #3

RODY (& NOM

MAJICKU £'\(\$4 7251 910 - Polled 1025 32 1070 1800

LOCATION: 800 FNL, 250 FNL, SEC 33, T-18-5, R-28-E

Drilling To 2005 10-28-1925

SET 8" TO 125"

CLENCED C.T. IN DEC 1965 TO

2005 + SET 32" 9.3# EUE

Chaine Cement & WITH 2509X

Top of cement & 1178

lent 2023-33

Ptn NP2 1986

RESIGN YATES STATE # 12 EDDY SO N'M

MANGER 40' 10" 2601 Cement Polled 84 CASING Pulled 84 CA 266 Filler Fale With med 1975 CHMAN," PLUE TD 2040

LUCATION 320'FSL 200' FEL

SUE 29, T-18-5, R-28-E

DRITTED CABLE TOO! TUN 23

1925

SET 10' @ 265'

SET 24 @ 860'

PHA MAR 26, 1954

Pulled 40' 10"

SET 10 5x PLUE @ 1975'

SET 10 x PLUE @ 260'

SET PLUE @ SUNFACE

WITH INTRICENT

P&A WELL DATA SHEET

OPERATOR:		WELL NA	ME & NO:		
LOCATION:	FEET FROM THE	LINE AND	FEET FRO	M THE	LINE
of SECTION	, TOWNSHIP	, RANGE	, NMPM,	COU	NTY,N.M.
	*****	****			
		SCHEMATIC			
PLUGGING	DATA	Something	WEI	L CONSTR	UCTION
			105x 6 52	ku _	
			40'		
					
			10°E		
			265' (6.58)		
	·		360; - 365; - 285;		
					
					
				 	
					
					<u>.</u>
		,	10Sx		
			19 75		
	···				·
	TD 204	¢.			
	1000	-			

Anch Petroleum

ROSLEN YHIGH #4

LOCATION, 550 FNL 1600 FWL

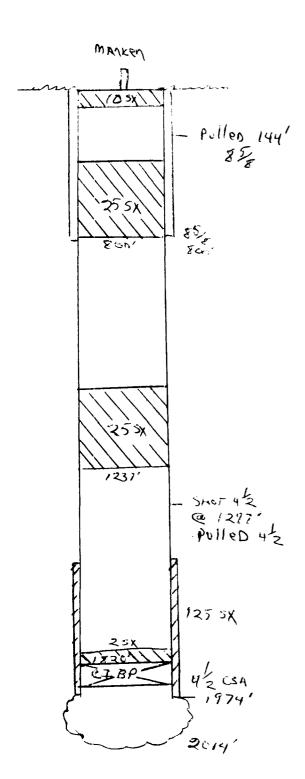
SIG 32, T-18-5, R-28-E

Dailled to 2014 And SET

1974 4/2 CASING 12-7-57

Dailled out Shore and BEGAN
IN THETION.

P++ MAR 1968
Set CIBP @ 1820' Dumpen 25x CRMMi
SINOT 4/2 @ 1297' + PolleD
SET 25 5x @ 1237'
SHOT 88 @ 144 PolleD
SET 25 5x @ 800'
SET-10 5x @ Sixface + PLACED
MARKER



Rushen YATES # 5

LOCATION UNITED DOCUMENTAL

LOCATION UNITED DOCUMENTAL

TIRES, R-28-E

DAILLOS TO 2027 11-6-1924

RIND 582' 80

RIND 1950' 42 & comented with

100 SX 8/8/57

OFEN HOLE INJECTION

PHA

July 5, 1964

PUMPED 25 SX DOWN 4/2 Followed

BY RUBBEN PLUG

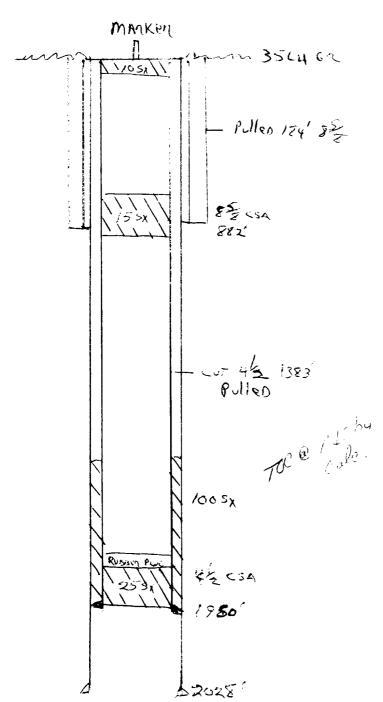
CUT 4/2 @ 1385' + Pollen

SPOTTED 15 SX @ BOTTOM of Surface

CUT 272 @, 84 + Pullen

PUT 10 SX Co SURFACE X SET

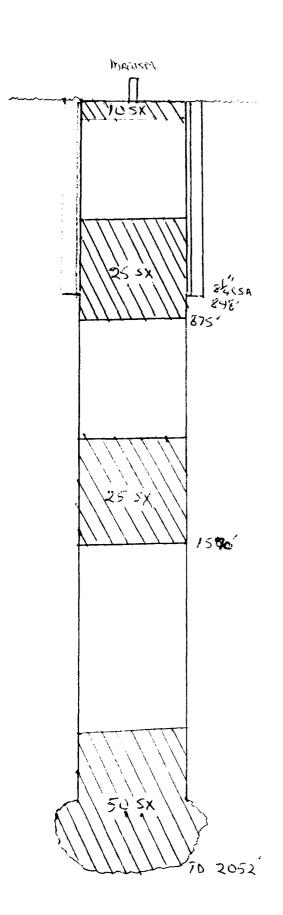
MAJKEN



NO. OF COPIES RECEIVED			Form C-103
DISTRIBUTION	3		Supersedes Old C-102 and C-103
SANTA FE		NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE	 - -	-	5a. Indicate Type of Lease
U.S.G.S.	-	-	State State Fee
OPERATOR	+ +-	-	5. State Oil & Gas Lease No.
	1	_	647
(DO NOT USE THIS FO	SUNE	RY NOTICES AND REPORTS ON WELLS ROPOSALS TO DRILL OR TO DEEPEN OF PLUG BACK TO A DIFFERENT RESERVOIR. ATION FOR PERMIT—" (FORM C-101) FOR SUCH PROPOSALS.)	
1. OIL F GAS			7, Unit Agreement Name
2. Name of Operator		OTHER-	8. Farm or Lease Name
AMERICAN PETRO	PTNA (COMPANY OF TEXAS	Resler Yates State
3. Address of Operator			9. Well No.
Box 1311, Big	Spri	ng, Texas 79720	49
4. Location of Well			10. Field and Pool, or Wildcat
UNIT LETTER		FEET FROM THE LINE AND FEET FROM	Artesia
THE	.INE, SEC	TION 29 TOWNSHIP 18S RANGE 28E NMPM	
mmmm	7777	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
		Unknown	Eddy
16.	Chool	Appropriate Box To Indicate Nature of Notice, Report or Ot	
PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING		PLUG AND ABANDON REMEDIAL WORK COMMENCE DRILLING OPNS. CHANGE PLANS CASING TEST AND CEMENT JQB OTHER	T REPORT OF: ALTERING CASING PLUG AND ABANDONMENT
OTHER		OTHER	
fluid plug. 5-20-71 Spotte	es d Pul ed 25	tubing to TD (2032') and spotted 50 sx cement plasplacing medium. Pulled tubing up to 1570' and led tubing up to 875'. sx cement plug at 875'. Pulled tubing, placed 1/8" casing and set 4-1/2" pipe marker.	spotted 25 sx cement
18. I hereby certify that the	informat	on above is true and complete to the best of my knowledge and belief.	Ima 20 1071
SIGNED		Cliff Chapman TITLE Petroleum Engineer	DATE June 28, 1971
APPROVED BY		TITLE	DATE

CONDITIONS OF APPROVAL, IF ANY:

RESLEN YNTES STATE HUG EDDY (O. VM



well History

Drilled to 848 SET 84", Drilled to 2052 Open Hole

P+A 5-20 7/

Pumper SOX @ 2032'
Pumper 255x @ 1570'
Pumper 255x @ 1570'
Pumper 105x @ Surface + SOT MARKER
PLUCE SET THIS 23 TUBING

NO. OF COPIES REC	EIVED					F 0	2	
DISTRIBUTIO		i				Form C-103 Supersedes		
SANTA FE		NEW MEY	ורם חוו רחשנים	RVATION COMMIS	SION	C-102 and	C-103	
FILE		HEMMEA	ICO OIL CONSE	RYATION COMMI	331UN	Effective I	i-1-65	
U.S.G.S.					1	5a. Indicate T	ype of Lease	
LAND OFFICE						State X	Fee	
OPERATOR							Gas Lease No.	
OF ERRATOR							012 B1133	
	SUMDA	Y NOTICES AND F	PEDODIE ON I	WELLS		mm	mm	7777
(DO NOT USE	THIS FORM FOR PRO	POSALS TO DRILL OR TO	DEEPEN OR PLUG BA	CK TO A DIFFERENT RE	ESERVOIR.			
MELL X	GAS WELL	OTHER-				7. Unit Agreen		
2. Name of Operator AMERT	CAN PETROFI	NA COMPANY OF	TEXAS			8. Form or Lec	ase Name Yates St.	
3. Address of Operat		-				9. Well No.		
Box 1	311. Big Sp	ring, Texas 7	9720			8		
4. Location of Well	,					10. Field and	Pool, or Wildcat	
UNIT LETTER	P	FEET FROM T	HE	LINE AND _	FEET FROM	Artesia	L	
THE	LINE, SECTION	DN TOW	/NSHIP18S	28	BE NMPM.	UUUUU		
								77777
		15. Elevatio	n (Show whether l	OF, RT, GR, etc.)		12. County Eddy		
16.	Chack	Appropriate Pour T	Co Indiana N		D 0.1	·		77773
		Appropriate Box T ITENTION TO:	o Indicate N	iture of Notice,	SUBSEQUENT		F:	
		-						
PERFORM REMEDIAL	=	PLUG A	ND ABANDON	REMEDIAL WORK	片		TERING CASING	닖
TEMPORARILY ABAND	F			COMMENCE DRILLING		PLU	JG AND ABAHDONME	NT XX
PULL OR ALTER CASI	NG	CHANGE	PLANS	CASING TEST AND CE				\Box
OTHER				OTHER				[_]
OTHER			 []	•				
17. Describe Propos work) SEE RUL	ed or Completed Or E 1103.	perations (Clearly state	all pertinent deta	ils, and give pertiner	nt dates, including	estimated date	of starting any pr	oposed
12-14-71	Spotted 50 as displac	sx. cement at ing medium. P	TD 2024 tulled tubi	through 2" to ng up to 1500	ubing using)' and pumpe	mud lader ed 25 sk.	n fluid plug.	
12-15-71	Plugs held	OK. Finished	pulling to	ubing.				
12- 16 - 71		" casing at 50 tubing to 510		ld not pull.	Shot at 45	52' and pu	ılled	
12-17-71	casing and	sk. plug at 51 filled up in ment at 412'.	open hole	40 above 8-	5/8" casing	stub at	8 - 5/8" 45 2¹.	
12- 18 - 71	Placed 10	sk. cement plu	ig in top o	f hole and s	et 4-1/2" p:	ipe marken	r.	
18. I hereby certify	that the information	above is true and comp	lete to the best o	f my knowledge and l	belief.			
•	1 X	D 0 D-44	A = = =	. District M	ar of Drodu	ction	February 1	2. 1972
SIGNED	12-11	K. C. BOLL	TITLEASSU	• DISTITCE M	ST OT LIGHT			,, -
						DATE		

CONDITIONS OF APPROVAL, IF ANY:

FIELD	OPERATOR American Petrofina Co	DATE 9-20-89
LEASE Resler Yates State	WELL No LOCATION	
	•	

""]]	103x. surs. plug		•
	Stot+pulled 452'		
	Shot@507 38315@510' T.o. c. 412'		
	85/8 " casing set at ? ' with	sx of	cement
		•	
			٠.,
	* 155xs.	` `	
1			
/65'	# 505X5 2024?" casing set at?' with	sx of	cement
	Hole size"		•
	Total Depth 2014?		
		•	

RESLER YATES STATE #5

Well History

MARKEY - SHOT & 452' , Pullen choinc 3 E SX SHOTE 507" COULD NOT POIL 5/c, 25 SX 1500' 70 2034'

Dr. Hen (Caste Tool) To 260 Set 10 Drilled To 2034 Open Hole, 10" Prilled (UNKNOWN DATE)

P+A 12-18-71

fumper 130 5x@ 2034'

Pomper 25 5x@ 1500'

Pomper 38 5x @ 510'

Top @ 412'

Polled 452' 84

Pomper 10 5x @ Sortace+

Set marker

Plucs set Thru 23/101.100

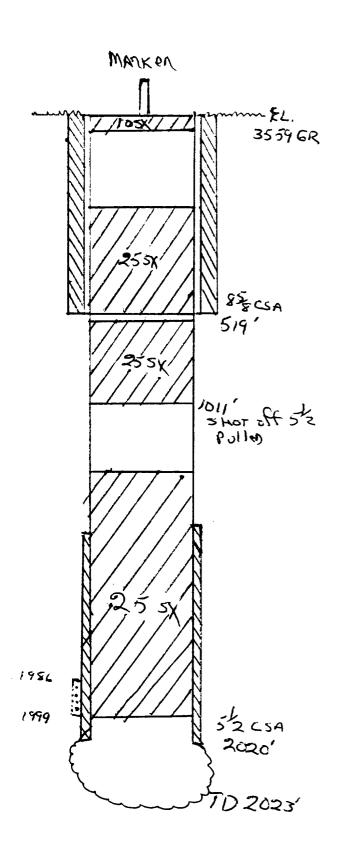
P&A WELL DATA SHEET

*****	******	****	******	******
OPERATOR: Are	L	WELL NAME	& NO: Rester Yates	No. 8
LOCATION:	FEET FROM THE	LINE AND	FEET FROM TH	HE LINE
of SECTION 29	, TOWNSHIP /8S	, range <i>off</i>	, NMPM, Eddy	COUNTY, N.M.
*****	******	*****	·******	*****
		SCHEMATIC		
PLUGGING D			WELL CO	NSTRUCTION
		So	dace	
			8140	950
38 SX 410	- 5 07	- 4s		
		- 4:	'دوء	
Shot 8'40 4,	12'			
	- A'	. Ex) '	
				
				
				
				
07.V. @	/500′			
(/14)(35)(2861	4.E.) = &4'		,	
Plus - 1416	'-/5au'	14/6		
		71. 70 01		
	_ 			
Dlug - 159	et med	15PS	,	
10109 - 1.31.	<u> </u>	7.374		
136 SK @ 2034			TD: 2034"	
Assume & hile		2034		
1. 1 - 0.1 /0	1-1-01	-		

*** Nome of Operator *** *** Name of Operator ** *** Name of Operator ** *** Name of Operator ** *** Report First ** *** Name of Operator ** *** Report First ** *** Name of Operator ** *** Report First ** *** Report First ** *** Name of Operator ** *** Report First ** *** Name of Operator ** *** Report First ** *** Name of Operator ** *** Report First ** *** Name of Operator ** *** Name of Opera	NO. OF COPIES RECEIVED	•		Form C-103	
NEW MEXICO OIL CONSERVATION COMMISSION Solidating Type of Lense File	DISTRIBUTION				
USAGE SAME SUPPORTS ON WELLS SHORE SUPPORTS ON WELLS OPERATOR OF NOT USE THIS PRINCIPAL COMPANY OF TEXAS ANGERICAN PETROPERS SUNDRY NOTICES AND REPORTS ON WELLS OTHER. ANGERICAN PETROPERS ANGERICAN PETROPERS ANGERICAN PETROPERS BOX 1311, Big Spring, Taxas 79720 YLCOMISM OF WELLS THE BOY SOUTH LINE AND OFFICE SOUTH LINE AND SOUTH LINE AND TEXT OF THOSE THE SOUTH LINE AND THE BOY SOUTH LINE AND LINE	SANTA FE	NEW MEXIC	O OIL CONSERVATION COMMISSI	-	
DOED THE CASTOR SUNDRY NOTICES AND REPORTS ON WELLS Some Cit 6 Gas Lasen No 647 LOG NOT HAR THE PRINCIPLE OF THE SECURITY OF	FILE				
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SUNDRY NOTICES AND REPORTS ON WELLS OTHER RESISTATION COMPANY OF TEXAS AMBRICAN ARBRICAN BERSISTATION COMPANY OF TEXAS AMBRICAN ARBRICAN THE East CIRC, RECTION 29 TOWNSHIP 188 AND 1311, Big Spring, Texas 79720 348 IU. Find and Peol, or Wildow Artesia, THE East CIRC, RECTION 29 TOWNSHIP 188 AREA OTHER	LAND OFFICE			State 🔛	Fee.
SUNDRY NOTICES AND REPORTS ON WELLS DO NOT USE "MIS TOTAL COMPANY OF TEXAS OF TEXAS" AND SUBSCIPROSE FACILITY OF THE STATE OF THE STATE OF TEXAS O	OPERATOR			1	Gas Lease No.
OTHER DE SALL OTHERS. 7. COLL Agreement Name AMERICAN PETROFINA COMPANY OF TRAS AMERICAN PETROFINA COMPANY OF TRAS BOX 1311, Big Spring, Texas 79720 10. Decetted The Sale of Sal				647	
AREACAN FETRIFINA COMPANY OF TEXAS Resier Tates State 3, Address of Operator 3, Address of Operator Resier Tates State 3, Address of Operator 3, Address of Operator 3, Address of Operator Residency Tates State 3, Address of Operator 4, Address of Operator 4, Address of Operator 4, Will No. 48 330 FET FROM THE ADD OPERATOR OPERATOR 10, Fletd and Pack of No. 10, Fletd and Pack of Operator Operators 11, Company of Operator 12, Company of Operator 13, Address of Operator 14, Will No. 348 15, Fletd and Pack of Wildow Artesia, 16, Company of Operator 17, Company of Operator 18, Form of Local Operator 19, Form of Local Operator 10, Form of Local Operator 10, Form of Local Operator 10, Form of Local Operator 11, Company of	SUN (DO NOT USE THIS FORM FOR USE "APPLI	DRY NOTICES AND RE	PORTS ON WELLS PEN OR PLUG BACK TO A DIFFERENT RESE -101) FOR SUCH PROPOSALS.)	RVOIR.	
WELL OTER. Tomo of Logardor States State Stat	1.			7. Unit Agreem	ent Name
Residence State 1. Address of Operator Row 1311. Big Spring, Texas 79720 3.48 1. Location of Well Unit Letter H 330 FEET FROM THE SOUTH I. LOCATION of Well Unit Letter H 330 FEET FROM THE SOUTH I. LOCATION of Well Unit Letter H 330 FEET FROM THE SOUTH I. LOCATION of Well THE Bast LINE, SECTION 29 TOWNSHIP 188 FAMSE 288 NATION ATTERNATION TO: SERFORM REMODIAL WORK CHARGE PLANS CHARGE PLANS OTHER OTHER 17. Describes Proposed of Completed Operations (Clearly state all perfinent details, and give perfinent dates, including estimated date of starting any proposed work) SEE WILLE 1003. 6-24-70 Ran 2" tubing to TD (1999) and placed 25 sx cement plug using mad laden fluid as displacing medium. Shot 5-1/2" cassing at 1011' and pulled all 5-1/2" casing. Ran 2" tubing to 1011' and apotted 25 sx cement plug. Pulled 2" tubing to 1011' and apotted 25 sx cement plug. Pulled 2" tubing up to 519' and spotted 25 sx cement plug. Placed 10 sx cement plug in top of 8-5/8" casing and set 4" pipe marker. JULy 23, 1970 C1466 Charmen Part Part of the Part Proposed Part	WELL WELL	OTHER+			
Box 1311, Big Spring, Texas 79720 Swell No.	2. Name of Operator			8. Farm or Lea	se Name
Box 1311, Big Spring, Texas 79720 348 10. Field and Pool, or Wildon Artesia, THE East Line, SECTION 29 TOWNSHIP 185 Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERSONN REMEDIAL WORK PLANE CABING CHANGE PLANE CHANGE PLANE 17. Describe Proposed or Completed Operations (Clearly state all pertinent dessile, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1108. Shot 5-1/2" casing at 1203' but could not pull. Shot off 5-1/2" casing at 1203' but could not pull. Shot off 5-1/2" casing at 1201' and spotted 25 sx cement plug using mud laden fluid as 4 isplacing medium. Shot 5-1/2" casing at 1201' and spotted 25 sx cement plug. Pulled 2" tubing to 1011' and spot	AMERICAN PETROFINA CO	mpany of texas		Resler Y	ates State
THE CASING TO COMPLETE HOW THE South LINE AND 1650 FEET FROM Artesia, THE East LINE, SECTION 29 TOWNSHIP 188 NAME 288 NAME THE EAST LINE, SECTION 29 TOWNSHIP 188 NAME 288 NAME THE EAST LINE, SECTION 29 TOWNSHIP 188 NAME 288 NAME THE EAST LINE, SECTION 29 TOWNSHIP 188 NAME 288 NAME THE EAST LINE, SECTION 29 TOWNSHIP 188 NAME 288 NAME THE EAST LINE, SECTION 29 TOWNSHIP 188 NAME 288 NAME THE FORM NEMEDIAL WORK NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: THE MEDIAL WORK NOW NAME AND ABANDOR NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: SUBSEQUENT REPORT OF: CARNE TEST AND CEMENT JOB OTHER OTHER 17. DEARCH PROPOSED OF COMPLETED OF STATEMENT OF STATE	3. Address of Operator			9. Well No.	
THE East LINE, SECTION 29 TOWNSHIP 188 SANGE 28E NAME. THE EAST LINE 29 TOWNSHIP 29 T	Box 1311, Big Spring	g, Texas 79720		348	
THE EAST LINE, SECTION 29 TOWNSHIP 188 NAMES 28E NAMES. 15. Elevation (Show whether DF, RT, GR, etc.) 3559 GL Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK TEMPORALITY ARABOON PULL OR ALTER CASING OTHER OTHER	4. Location of Well			10. Field and F	Pool, or Wildcat
THE East LINE, SECTION 29 TOWNSHIP 185 NAME 28B NAME 15. Elevation (Show whether DF, RT, GR, etc.) 3559 GL Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK	IINIT LETTER	330 FEET FROM THE	South INFANO 1650	Artesia	•
15. Elevation (Show whether DF, RT, GR, etc.) 12. County 3559 GL Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK TEMPORALLY ARAPOON PULIC AND ABANGON CHANGE PLANS OTHER OTHER OTHER OTHER OTHER OTHER OTHER 17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed usor(s) set rule 1703. 6-24-70 Ran 2" tubing to TD (1999) and placed 25 sx cement plug using mid laden fluid as displacing medium. Shot 5-1/2" casing at 1203' but could not pull. Shot off 5-1/2" casing at 1011' and pulled all 5-1/2" casing. Ran 2" tubing to 1011' and spotted 25 sx cement plug. Pulled 2" tubing to 1011' and spotted 25 sx cement plug. Pulled 2" tubing up to 519' and spotted 25 sx cement plug. Placed 10 sx cement plug in top of 8-5/8" casing and set 4" pipe marker. JULY 23. 1970			- I'de Adv		
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK TEMPORABLY ABANDON PULLO AND AND AND AND AND CHANGE PLANS OTHER OTHE	THE East LINE, SE	CTION TOWNS	HIP 18S RANGE 2	SENMPM.	
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK TEMPORALICY ABANDON PULL OR ALTER CASING OTHER OTHER 17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703. 6-24-70 Ram 2" tubing to TD (1999) and placed 25 sx cement plug using mud laden fluid as displacing medium. Shot 5-1/2" casing at 1203' but could not pull. Shot off 5-1/2" casing at 1011' and spotted 25 sx cement plug. Pulled 2" tubing to 1011' and spotted 25 sx cement plug. Pulled 2" tubing up to 519' and spotted 25 sx cement plug. Placed 10 sx cement plug in top of 8-5/8" casing and set 4" pipe marker. JCC/js 18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.		15. Elevation (Show whether DF, RT, GR, etc.)	12. County	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK	16. Chao	le Appendices Por To			
TEMPORABILLY ASANDON PULL OR ALTER CASING OTHER OTHER OTHER 17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703. 6-24-70 Ram 2" tubing to TD (1999) and placed 25 ax cement plug using mud laden fluid as displacing medium. Shot 5-1/2" casing at 1203' but could not pull. Shot off 5-1/2" casing at 1011' and pulled all 5-1/2" casing. Ram 2" tubing to 1011' and spotted 25 ax cement plug. Pulled 2" tubing up to 519' and spotted 25 ax cement plug. Pulled 2" tubing up to 519' and spotted 25 ax cement plug. Placed 10 ax cement plug in top of 8-5/8" casing and set 4" pipe marker. JCC/1s 18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. July 23, 1970			_	-	₹;
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OTHER OT	PERFORM REMEDIAL WORK	PLUG AND	ABANDON REMEDIAL WORK	ALT	ERING CASING
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18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. Cliff Charmen Petroleum Engineer July 23, 1970	as displaci Shot 5-1/2" Shot off 5- Ran 2" tubi Pulled 2" t	ng medium. casing at 1203' b 1/2" casing at 101 ng to 1011' and sp ubing up to 519' a	ut could not pull. 1' and pulled all 5-1/2 otted 25 sx cement plug nd spotted 25 sx cement	casing.	
Cliff Chapman TITLE Petroleum Engineer DATE July 23, 1970		tion above is true and complet	e to the best of my knowledge and beli	ef.	
	SIGNED	Cliff Chapman	TITLE Petroleum Enginee	DATE JE	ily 23, 1970
				· · · · · · · - · · · · · · · ·	
TITLE DATE					

CONDITIONS OF APPROVAL, IF ANY:

RESLEY YATES STATE # 348 EDDY CO. NM



LOCATION 330 FNL 1650 FEL

Sec 29 7-18-5 R-28-E

Drilled Joly 4,1959

Drilled J50' SET 86; cemered

WITE 150 SK

Drilled 2034' SET 5/2 TO 2020

Cemented with 100 SX

Penf 1926-1999'

PHA 6-24-70

Pumped 25 SX @ 1999'

Pumped 25 SX @ 1011'

Pumped 25 SX @ 519'

Pumped 25 SX @ 519'

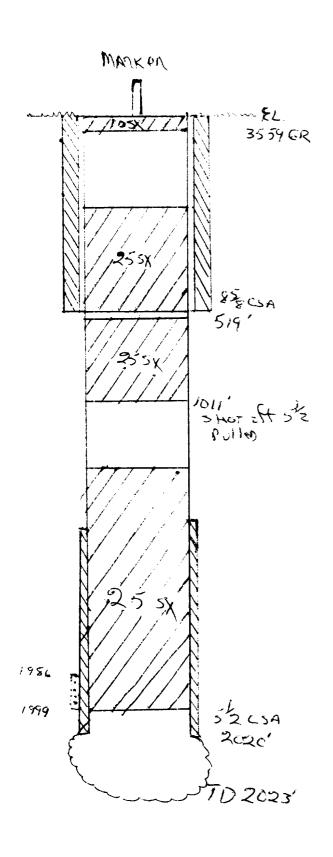
Pumped 10 SX @ SURFACE +

PLUGS SET THOU 23 TUBING

Pulled 1011 3/2 CASING

SET MARKER

DISTRIBUTION SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION FILE U.S.G.S. LAND OFFICE OPERATOR	Supersedes Old
FILE U.S.G.S. LAND OFFICE	C-102 and C-103
U.S.G.S. LAND OFFICE	Effective 1-1-65
LAND OFFICE	
	5a. Indicate Type of Lease State Fee
	5. State Oil & Gas Lease No
	647
SUNDRY NOTICES AND REDORTS ON WELLS	mannant da
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)	
	7. Unit Agreement Name
OIL GAS WELL OTHER-	•••
2. Name of Operator	3. Farm or Lease Name
AMERICAN PETROFINA COMPANY OF TEXAS	Resler Yates State
3. Address of Operator	9. Well No.
Box 1311, Big Spring, Texas 79720	348
	13. Field and Pool, or Wildcat
UNIT LETTER N . 330 FEET FROM THE SOUTH LINE AND 1650 FEET FROM	Artesia,
Fact 20 186 280	
THE EAST LINE, SECTION 29 TOWNSHIP 188 RANGE 28E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
3559 GL	Rddy ()
Check Appropriate Box To Indicate Nature of Notice, Report or Otl	her Data
	T REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING CASING TEST AND CEMENT JOB	
OTHER	
OTHER	
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JCC/js 18.1 hereby certify that the information above is true and complete to the best of my knowledge and belief.	
	DATE JULY 23, 197 0



LOCATION 33C FNL 1650 FEL

Sec 29 T-18-3 R 28-E

Dailled Joly 4,1959

Dailled Jose Set 86 cemered

With 150 sk

Dailled 20st Set 5/2 TO 2020

Cemented with 100 sx

Pent 1926-1999

Pha 6-24-70

Pumped 25 sx @ 1999

Pumped 25 sx @ 1999

Pumped 25 sx @ 519

Pumped 25 sx @ 519

Pumped 25 sx @ 519

Pumped 10 sx @ surface to set manicen

PLUES SET THOU 23 TUBING

Pulled 101 3/2 CASING

RELEVISION FOR STATE # 40 EDDY CO AM

MARKER Pollen &4 CALLE 84 (SA 37 201 30H

TO 2047

LOCATION 250 FEL 1320 FSL

SEC 29 7-18-5 R-28-E

DOILLING TO 2047 MAR 31,

1326.

SET 10 @ 265'

5-7 3 @ 797'

PHA TULY, 1941

10 SX @ 2030

10 SX @ 2030

10 SX @ 220'

MICH 3-7 @ SUNFACE IN

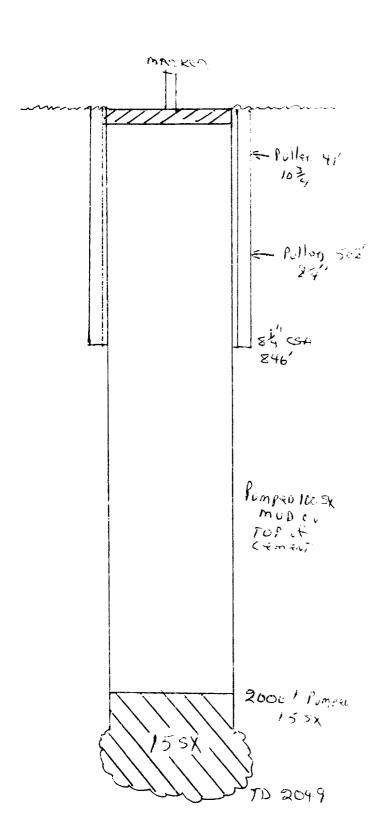
EXTERNAL POLITION 84 CASING

well HISTORY

P&A WELL DATA SHEET

operator: Arch	*****		**************************************	
LOCATION: 246 FEET	FROM THE S	LINE AND 878	FEET FROM TH	E Z LINE
of SECTION 🥒 , TOWN	SHIP 188	, RANGE 382	NMPM, Eddy	COUNTY, N.M.
******	*****	******	*****	*****
PLUGGING DATA	<u>s</u>	CHEMATIC	WELL CO	NSTRUCTION
	_	7		
Pulled 41' 10" (39.	_	41		
	- : - *	ا پھو حا	35' <u>10' (9</u> .995'	
	_			
Poiled 508' 60'14" ess		<i>5</i> 08′		
	_			
	_			
		\tag{\mu}_0	8/4 sq @	846'
	-			
	_			
	_			
Aug - 1998' - 2048'	_			
153X@ T-D.	<u> </u>			
Assume 8' hile	_	man i		
(1.18×15× 2.8848) - 51.	_ .	1992' -2049'	TD 2049	,

RESLER YNTES # 48 EDDY CO. MM



Well HISTORY

246 FSL, ETE FEL, SEC 29, T-18-S

R-28-E

PRILLED CIRCLE TOO! TO 2049

RNU 10" TO 275"

RNU 24 TO 276

PHA APR 1949

15 SX PLUG & 2000"

PUMPED 100 SX MUD ON TOP

OF CEMPANT,

Fulled SIE' 84

fulled HI' 10"

SET RELL CIRC MADRICE, IN

CEMPENT PLUG

NUMBER C' OFIE	SRECEIVED	
619	TRIBUTION	
SANTA PP		
PILE		
U.S. 6.S.		
LAND OFFICE		
	OIL	
TRAMSPORTER	845	1
PRORATION OFFI	C E	
COTOATOR		

NEW MEXICO OIL CONSERVATIO COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

OIL		—						,	
RAMSPORTER GAS	,	<u> </u>	SEE INST	RUCTIONS I	FOR COM	PLETING TH	HIS FORM ON	THE REVE	
PERATOR									VV /
					SECTIO	N A			
Operator Granide	ge Co	rnora	tion		Lease	Resler Y	ates St	ate	Well No. 48
nit Letter	Section		Township		Rang		County		1 40
P	29	9.	1 -	outh		East	, ,	Eddy	
ctual Footage L					0.50				
246 round Level Ele			South Formation	line and	878	fe	et from the	East	line
lound Level Lie	v. r	_	rayburg		F 001	Artesia	ì		Dedicated Acreage: Acres
who has the ri another. (65- If the answer t wise? YES	ght to di -3-29 (e to questi	rill into and NMSA 1 ion one is	nd to produce 935 Comp.) "no," have t If answer is	from any pool he interests o 'yes,'' Type	d and to a of all the of Consol	owners been	consolidated	by communi	. ("Ouner" means the personnself or for himself and tization agreement or other-
If the answer t	to quest	on two is	"no," list al	l the owners	and their	respective in	terests belov	r:	
)wner						Land Descri	ption		
						- 			
									
			SECTI	ON B		·		7	CERTIFICATION
	1							1	
								in SECTI	certify that the information ON A above is true and com- the best of my knowledge and
				porti	1,00			Position Company	
] [J)	in the	mest f	· 1)02	4		Date	
								shown on plotted fr surveys n supervisi	certify that the well location the plat in SECTION B was som field notes of actual nade by me or under my on, and that the same is true ct to the best of my knowledgef.
0 330 660	000 (20 45	1000 2710 2	640 200	no 150	24.	<u> </u>	Registers and/or/La	125/62 ed Professional Engineer and Surveyor in a Mullus L

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S. KDDY
                  .) = ..
                                    Service N.M. KS 275 75 1718
Malco, Rossler & Yates - #10 - State 14 3540
 (fmly. Illinois)

SE/4 of 2390 F34 + 250 FE L

Sec. 29, T.18-3, R.28-E
                                            P. $D.
, SIPSHAT
                           CARROLL ME
                          10-286-3
8-570-5 Out Sd-1560
               C.W - 1925
and Producer -
1.9 GGR 79
                                            ; to 2050
                                20
RIWARKS
 EDDY - STATE N.M. PROPERTY 1719
 ## Walco, Ressler & Yates - #11 - State E. 3563

(fmly. Illinois)

RE/Cor. of SE/4 of Sec.

Sec. 29, T.18-3, R.28-E

2390 FSL + 1570 FE/

D.
                                                             3565
                             CAS FO RECURE
                           10 - 290
8 1/4- 534
                                              arts1. 1525
                  DOM: - 1925
                 97
 G# GCR
                                              2040
 Himsels Perf. set 2" tog. 20' fr. btm. Ho
 Co. FDDY Poci
                                      BTATE H.M. KROENLEIN 1741
 COMPANY Halco, Ressler & Yates - #34 - State ELEV (fmly. Plynn, Welc. & Yates)

LOC. SE C SE SE NE

Sec. 29, T.18-S, R.28-E

2390 FNL + 250 FEL

Acrid DR SHOT
  ADID DR SHOT
                            10 - 296
8 1/4- 857
                                               and 31 - 1550
                   COMP -
  SPD.
  1. P. 🕳
  GR 36 GOR TP CP
                                               10 2048
   REMARKS no production shown.
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COMMENT PEER - STATE N. R. KACFALEN 1720 (Fally, Illinois) (Fally, Illinois) (Fally, Illinois) (Sec. 29, T.18-5, R.28-8 250, Coly Feel	A C DR Short	5.0 - 1925 Froducer 178 GCB 18 CB 170 011 8d. 2020.	CO. EDDY POOL BYATE N.M. KROENLEIN 1745 COMPANY Malco, Hessler & Yates - #40 - State ELEV. (Maly. Flynn, Welch & Yates) LOG. WW C 9E NE 9E 320 F 32 + 250 F EL. Sec. 29, T.18-5, R.28-E	ACIO DR SHOT TOPE 10 - 265 0.2 34. 1550	Sec. 3-2-26 Come 3-21-26 i. P. Production not shown. Go 36 GOR TP CP TD 2047 Remarks
State 100 3544	ans 1000	2035 ***	STATE M. K. KROENLEIN 1737 429 - State ELIN. 3567 3569	24. 154. 184. 184. 5	ть 204 4
C. EDDY P. S. STATES - #8 - St		5r 3-9-25	Co. EDDY POOL - STATE M. CONFANY Malco, Ressler * Yates - #29 - (fally Flynn, Welch & Yates) LOG. NE NE NE LOG. NE SE NE Sec. 29, T.18-S, R.28-E / 570 FW. Y 250 FEL	10 292 848 6 1/1 848	SPO. 9-3-25 COMP. 7-30-25 I. P. 80 bbls. CP - GOM TP CP PINARKS Sand, oil 1820.

MEIL MC. 54 SESESW Le 29

0	1.5		
15	15	ahite Gyp	
	245	Rea sumi and	Gvi
245	255	White Gyp	• .
255	5 00	Red Mud	
500	550	lime	
550	590		
590	640	Lime	
640		Lime	
	700	Lime	
700	775	Rei Gyp	
775	835	Red Gyr	
835	860	Gyp	
860	310		
910	935	Gур	
935	940	GAD	
940		Lime	
	370	Lime	
970	1025	Lime	
1025	1070	Lime	
1070	1115	Lime	
1115		Lime	
1155			
1205	2.5.00	Lime	
		Lima	
1230	1260	Lime	
1260	1305	Lime	
1305		Lime	
1350		Pink Lime and	Carr
1400		White lime	12 1
1450			
1500		Lime	
1520	1520	Lime	
	1560	Lime	
1560	1565	Red Sand	
1565	1605	Red Sand	
1605		Lime	
1610	>	Lime	
1655	1695	lime	
1695			
1730		lime	
	1750	Fink Line	
1750	17 7 0	white Line	
1770	1785	lime	
1785	1815	Lime	
1815	1820	lime	
1820	1850	Sand	
1850	1855	Sand	
1855			
1885		Lime	
1910	3 3 4 5	Lime	
		Lime	
1940		Lime	
1965	1985	Lime	
1985		Lime	
1990	2018	Sand	
2018	2023		
2023	2026	Sand	
		Lime	
2056	2045	Lime	

U.



May 3, 1989

TO WHOM IT MAY CONCERN:

This is to affirm that I 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.

CERTIFIED

DATE 5-3-89

NAME Jim B. Paschall

SIGNATURE

POSITION V.P. Operations

Wells certified: Resler Yates State #55, 370, 379 & 380.

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

May 19, 1989

GARREY CARRUTHERS

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Arch Petroleum Inc. Penthouse II A Fort Worth Club Tower Fort Worth, Texas 76102

Attention: Jim B. Paschall

Dear Jim:

I have received your application to convert the Resler Yates State Well Nos. 55, 370, 379 and 380 to injection wells within the Artesia Flood Project. Please be advised that additional information is required before the application can be processed. Upon reviewing your application I found that Parts VI, VIII, VIII, IX, X, XI and XIII of Division Form C-108 have not been addressed. In an attempt to locate some of this information that may have been filed previously, I have researched the files for Order Nos. R-966 through R-966E, which orders originally approved the projects, and have found no useful information. Part of the problem is that the Division changed the form C-108 in 1981 in order to comply with stricter guidelines set forth by EPA, and as a result, we don't have any of this information on file. I cannot approve any of the proposed injection wells without having the above described information. In addition, the Resler Yates State Well No. 55 cannot be approved without having more information regarding the well's construction, including cementing data.

Please submit the required additional information as described above. If you should have any questions regarding this request, please contact me at (505) 827-5800.

Sincerely

David Catanach

Engineer

xc: OCD-Artesia (Mike Williams)

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

May 19, 1989

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

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Please submit the required additional information as described above. If you should have any questions regarding this request, please contact me at (505) 827-5800.

Sincerely,

David Catanach

Engineer

xc: OCD-Artesia (Mike Williams)



8-7-89

Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088

ATTN: David Catanach

RE: Proposed Resler Yates

Injection Program

Dear David:

Enclosed is a copy of the Tabulation of Data of wells in the Area of Review with the cementing record for the surface and production pipe added.

Please let me know if additional information is needed.

Sincerely yours,

and the second

R. M. Kennemer, agent

MRCEINE

AUG 9 1989

OIL CONSERVATION DIV.

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DATA SPORT NOTE OF CONKENTED TO WITH

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Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088

ATTN. David Catanach

Dear David:

Thank you for your letter dated May 19, 1989 outlining your requirement for additional information on my proposed injection program on the Restler Yates State.

You will find enclosed the requested information excepting the RY #55. I am unable to determine what the cement program was on the #55 well; however, I propose to run a cement bond log on the well at the time I equip for injection. If this meets with your approval please let me know.

Yours very truly,

V.P. Operations

JUN-9 1989
OIL CONSERVATION ON

TREA OF REVIEW WELLS THAT ARE OR FOR INTECTION:

376 84 @ 533 W/275 SX

3/3 PTRO 482' W/ R58X

4/21@ 2061 W 1255X 7"@ 59 W/ 100SX 7000 1055 by cale. ok #355 834. 6/20 TOC @ 1057 by cale. Ok 4/2"@ 2063 W/125 54 # 368 7" @ 520 W/1005X Hole in COS @ 570'-600' Squeezed W/ 150 SX 77" # 353 898"@ 542' W/2505X 41/2" e 2059 ax 2005x TOC by TS@ 1100' ok 110° 4 344 878 @ 541/w/ 30081 4" @ 2065' W/2005x TOC @ 1340 by cale of 9%" 614" # 349 7"@ 531" W/ SMAX L" @ 2030 af 150 N TOC @ 822 by Cole ok 61/4" 94" # 367 7"@ 454 W/ 1258X 4/2@ 2058' W/1805X 700 @ 050 by Cole ok 700@ 1697 by cole. ok

NEWEY & CO. TWO LAKES NO. 14 856"@ 532 W/553x 5/2"@ 2044 W/1008x TOC @ 1595 by Che OK 11-28-18-28 #7 Max-15-28 de 7"0 547' 50 SX 5/2"@1982 W/ NOSX 12" line 1857-2006 125 5X

4/2"@ 2060 w/1005x

41/2"@ 2052 w/100 SX 700 @ 1689 6, cole. ok

D.W Berry Copen#1 6-33-18-28 878"@ 370 W/755x 412"@ 2832 W/3751x TOC@ 200 by T.S. OR

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Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088

RECEIVED

MAY 22 1989

RE: Application for Authorization to Inject .

Form C-108

Resler Yates State

Eddy County

OIL CONSERVATION DIV. SANTA FE

Gentlemen:

Please find enclosed Forms C-108 on the referenced lease; wells #55, 370, 379, and 380. To follow under seperate cover will be proof of notification to offset operators and proof of publication. If any additional data or information is required, please let me know by calling 1-800-772-8558.

Yours very truly,

V.P. Operations

Gentlemen

as indicated allowe, please find attached proof of notification to affect operators and proof of publication.

Jim Paschell
5/16/89

Affidavit of Publication

	1000	_		
No	12750		 	

STATE OF NEW MEXICO, County of Eddy:

Gary D. Scott being duly
sworn, says: That he is the Publisherof The
Artesia Daily Press, a daily newspaper of general circulation,
published in English at Artesia, said county and state, and that
the hereto attachedLegal Not.ice
was published in a regular and entire issue of the said Artesia
Daily Press, a daily newspaper duly qualified for that purpose
within the meaning of Chapter 167 of the 1937 Session Laws of
the State of New Mexico for1 consecutive weeks on
the same day as follows:
First Publication May 10, 1989
Second Publication
Third Publication
Fourth Publication
and that payment therefore in the amount of \$
has been made.
has been made.
Subscribed and sworn to before me this 1.0±h day
ofMay, 19.89
En land town of live
Notary Public, Eddy County, New Mexico
My Commission expires September 23, 1991

Copy of Publication

LEGAL NOTICE

Pursuant to the rules and regulations of the State of New Mexico, Energy and Minerals Department, Oil Conservation Division,

Arch Plant in Inc.
777 Taylor 16102
817/332-9207 Paschall)
publicly annotation interesting

1) Princed to inject high water with the week location the Poster Veter State leave, section with the S. Range and S.

2) first characteristics with maximum and sold barrels personal and 900 PSI.

3) Interest and Tries must file objects for hearing watton Division Box 888, Santa Fe, 100 Exico 17501 within 15 days. Fire of 17501 within 15 days. Published in the Artesia Daily Press, Artesia, N.M. May 10, 1989.

Legal 12756

OPERATOR WELL Moresto Two hakes No. 1 Tack Resler Yoter #40 59, 180 28E hersey a yate # 2 33, 185. 28E Bersey li Galio 43 33, 18, 28 Anch Reder Vole # 12 29, 183, 28E Anch Reder Vale #4 32, 18, 28 Arch leder Pater #5 30, 18, 08 Inch Repla Yate 4 49 A, 18, 25 Pack Rubler Yolk # 8 39, 18,08 Arch Role Yole # 48 25 18,20 Arch Reder Pale # 348 89, 18, 28

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