



Arch Petroleum Inc.

May 4, 1989

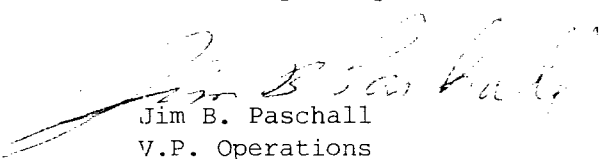
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

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 separate cover will be proof of notification to off-set 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,

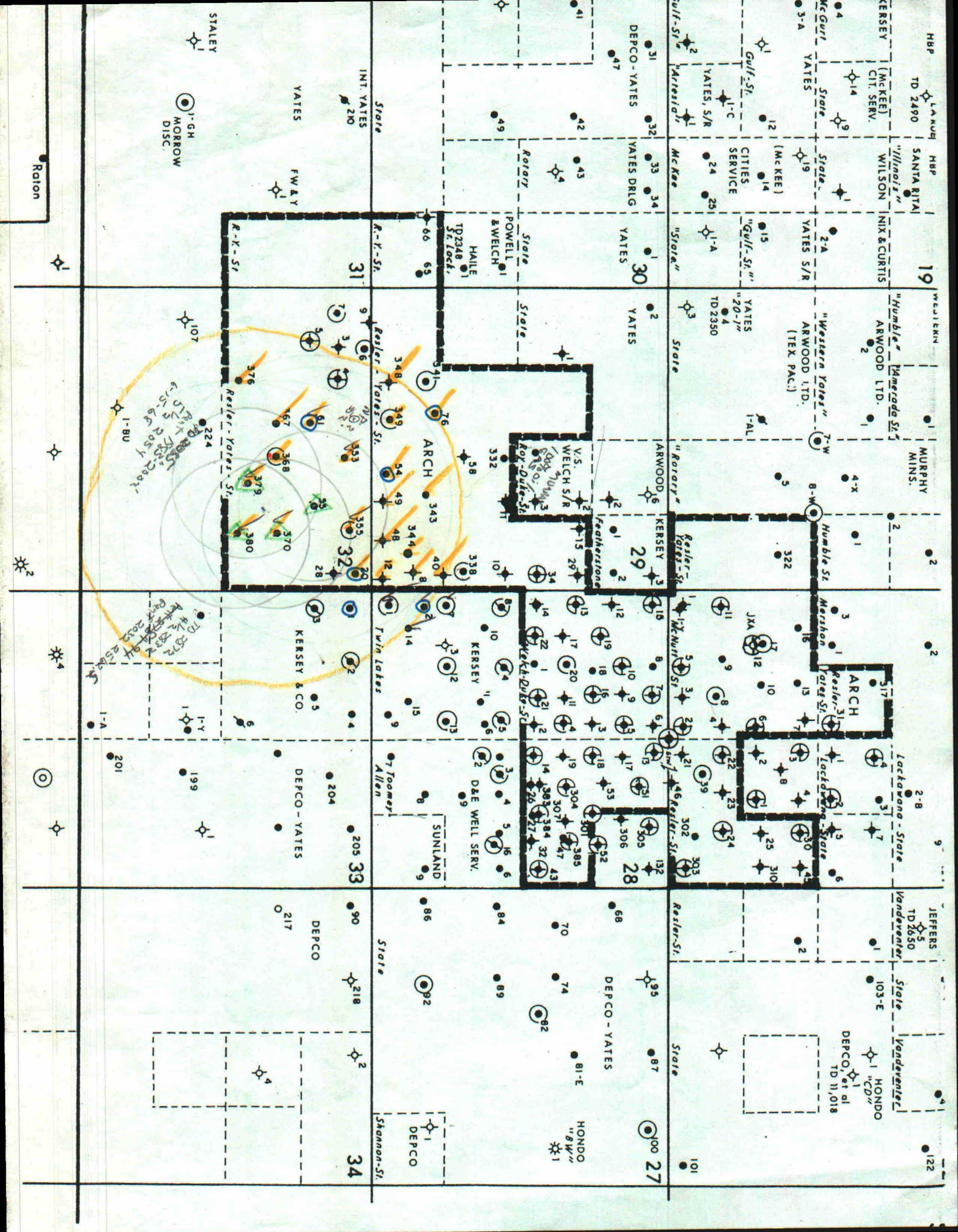


Jim B. Paschall
V.P. Operations

RECEIVED

MAY - 8 1989

OIL CONSERVATION DIV.
SANTA FE



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- 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? ☒ yes ☐ no R-966-E
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- 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
Signature: *Jim B. Paschall* Date: 5-3-89
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

INJECTION WELL DATA SHEET

SIDE 1

Arch Petroleum Inc.
OPERATORRegier Yates State
LEASE#370 1650 ENL & 990 FEL
WELL NO. FOOTAGE LOCATION

32 SECTION

18S TOWNSHIP

28E RANGE

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 175 sx.
TOC surface feet determined by visual
Hole size 11"Intermediate CasingSize " Cemented with sx.
TOC feet determined by
Hole size Long stringSize 5 1/2 " Cemented with 150 sx.
TOC 1500 Calc. feet determined by Calc.
Hole size 7 7/8
Total depth 2075

Injection interval

2024 feet to 2036 feet
(perforated or open-hole, indicate which)

ATTACHED

TDC calc @ 1360
OK

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2 3/8 lined with None(fresh water) set in a
 (material)
 Shorty Tension Packer Shorty Tension Packer packer at 2000 feet
 (brand and model)
 (or describe any other casing-tubing seal).
 Other Data

1. Name of the injection formation Grayburg
2. Name of Field or Pool (if applicable) Artesia QN-CB-SA (Artesia Water Flood #3)
3. Is this a new well drilled for injection? ☐ Yes ☒ No
 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 intervals and give plugging detail (sacks of cement or bridge plug(s) used) None

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Empire ABO
Empire Yates-Seven Rivers

Oil
Producer

LEASE & WELL NO. Resler Yates State #370
FOR ION 1st Grayburg
COUNTY & STATE Eddy, NM
COMPANY Arch Petroleum Inc.

Well History

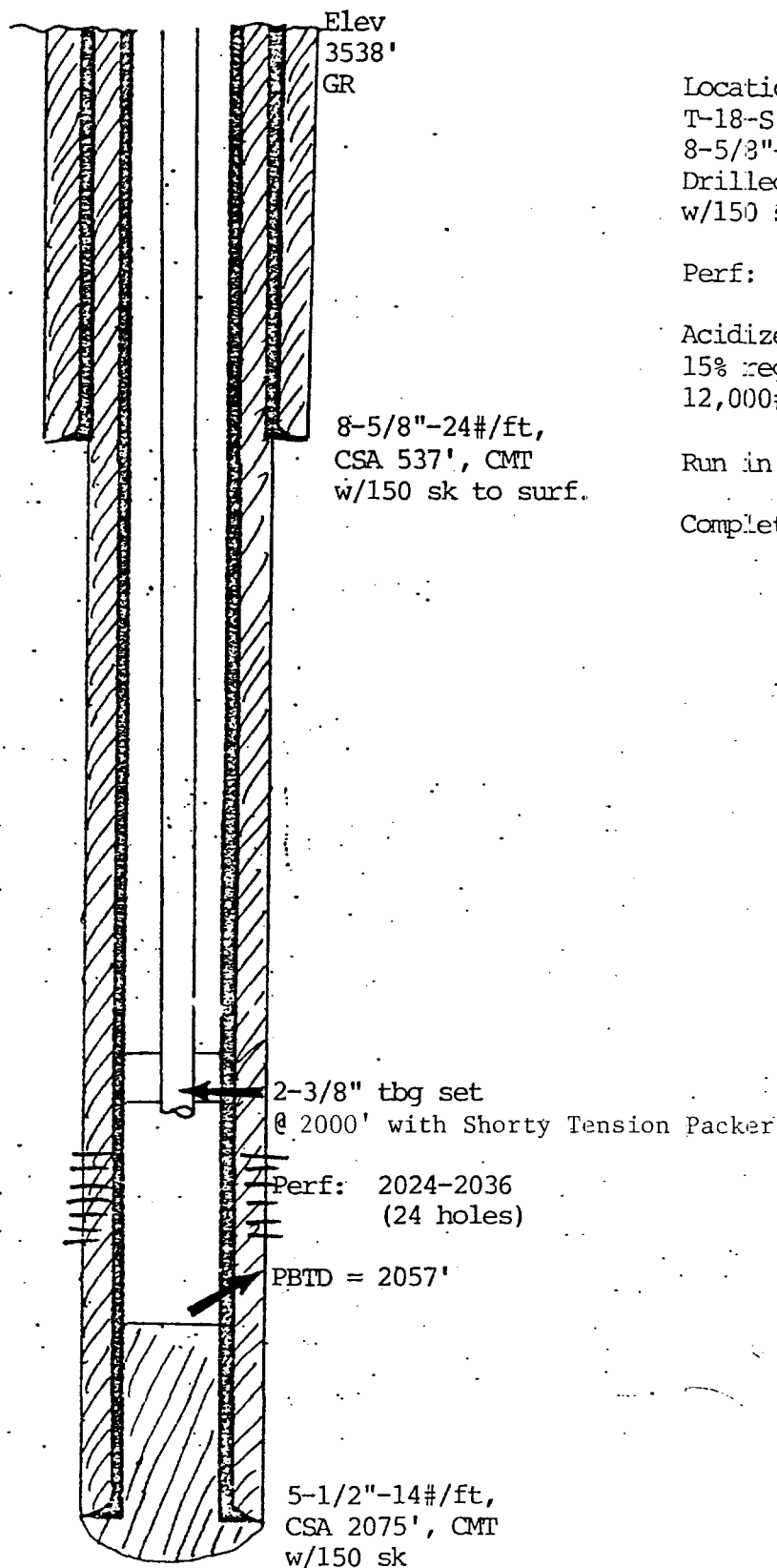
Location: 1650' FNL & 990' FEL, Sec. 32,
T-18-S, R-28-E. Drilled to 537' and set
8-5/8"-24#/ft, CMT w/175 sk to surface.
Drilled to 2075' and set 5-1/2"-14#/ft, CMT
w/150 sk.

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.



TD = 2075

WELL DATA SHEET

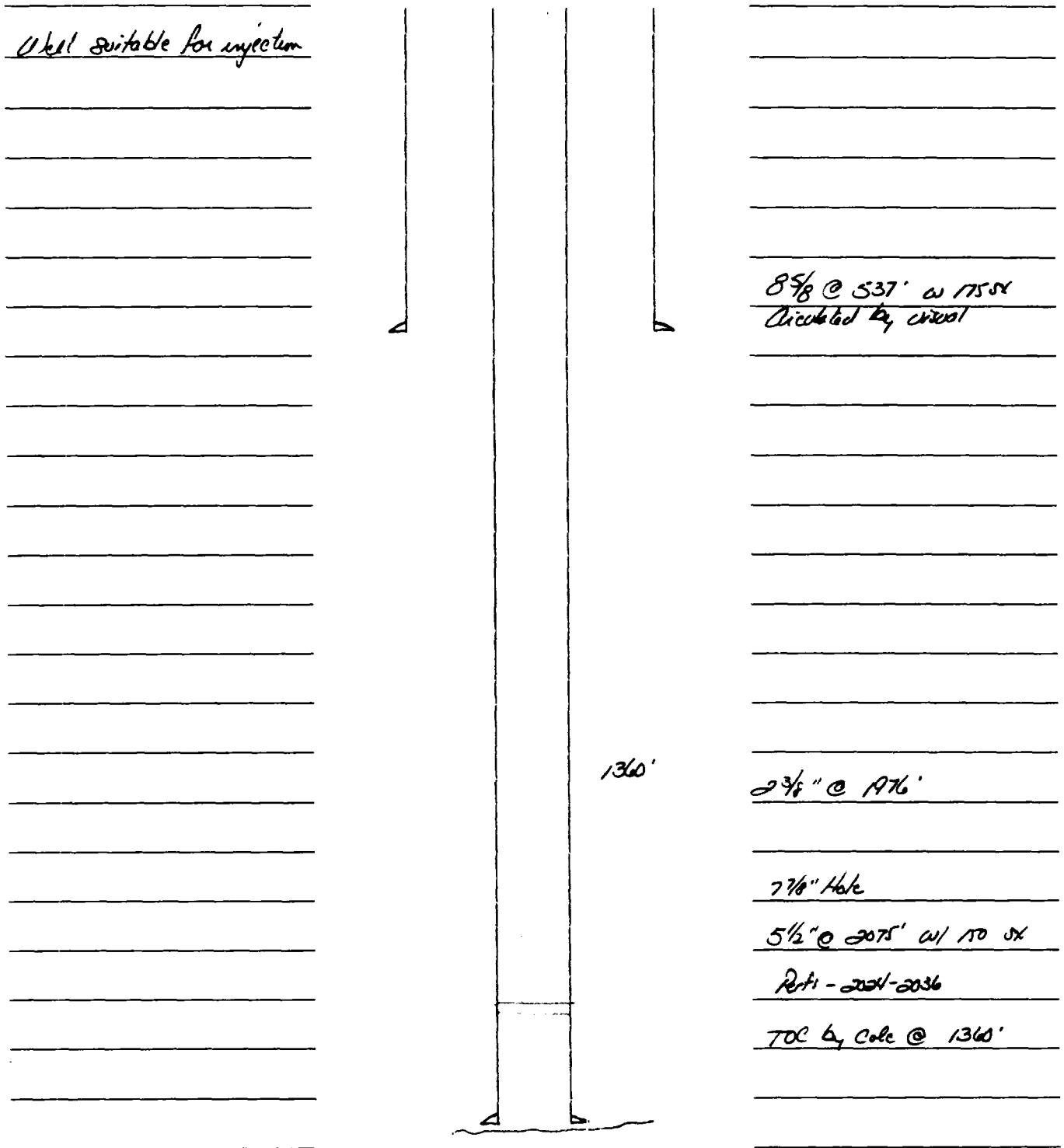
OPERATOR:

WELL NAME & NO: # 370

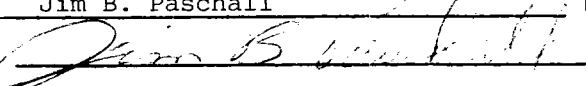
LOCATION: 1650 FEET FROM THE N LINE AND 970 FEET FROM THE E LINE

of SECTION 32, TOWNSHIP 18S, RANGE 8PE, NMPM, COUNTY, N.M.

SCHEMATIC



APPLICATION FOR AUTHORIZATION TO INJECT

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 2. Whether the system is open or closed;
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- Name: Jim B. Paschall Title V.P. Operations
Signature:  Date: 5-3-89
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- (2) The injection interval and whether it is perforated or open-hole.
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INJECTION WELL DATA SHEET

SIDE 1

<u>OPERATOR</u>		<u>LEASE</u>	
Arch Petroleum Inc.		Resler Yates State	
<u>WELL NO.</u>	<u>FOOTAGE LOCATION</u>	<u>SECTION</u>	<u>TOWNSHIP</u>
#380 990 FEL & 2310 FNL		32	18S
			28E
			<u>RANGE</u>

SchematicTabular DataSurface Casing

Size 8 5/8 " Cemented with 200 sx.

TOC Surface feet determined by Visual

Hole size 11"

Intermediate Casing

Size " Cemented with " sx.

TOC " feet determined by "

Hole size "

Long string

Size 5 1/2 " Cemented with 150 sx.

TOC 1500 feet determined by Cacl.

Hole size 7.7/8

Total depth 2083'

Injection interval

2036 feet to 2046 feet

(perforated or open-hole, indicate which)

ATTACHED

2036
1361
2036
2046

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2 3/8 lined with None (~~Fresh~~ Water) set in a
 (material)
 Shorty Tension Packer packer at 2027 feet
 (brand and model)
 (or describe any other casing-tubing seal).
 Other Data

1. 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? ☐ Yes ☒ No
 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 intervals
 and give plugging detail (sacks of cement or bridge plug(s) used) None

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

Empire Yates-Seven Rivers

Oil
Producer

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

Well History

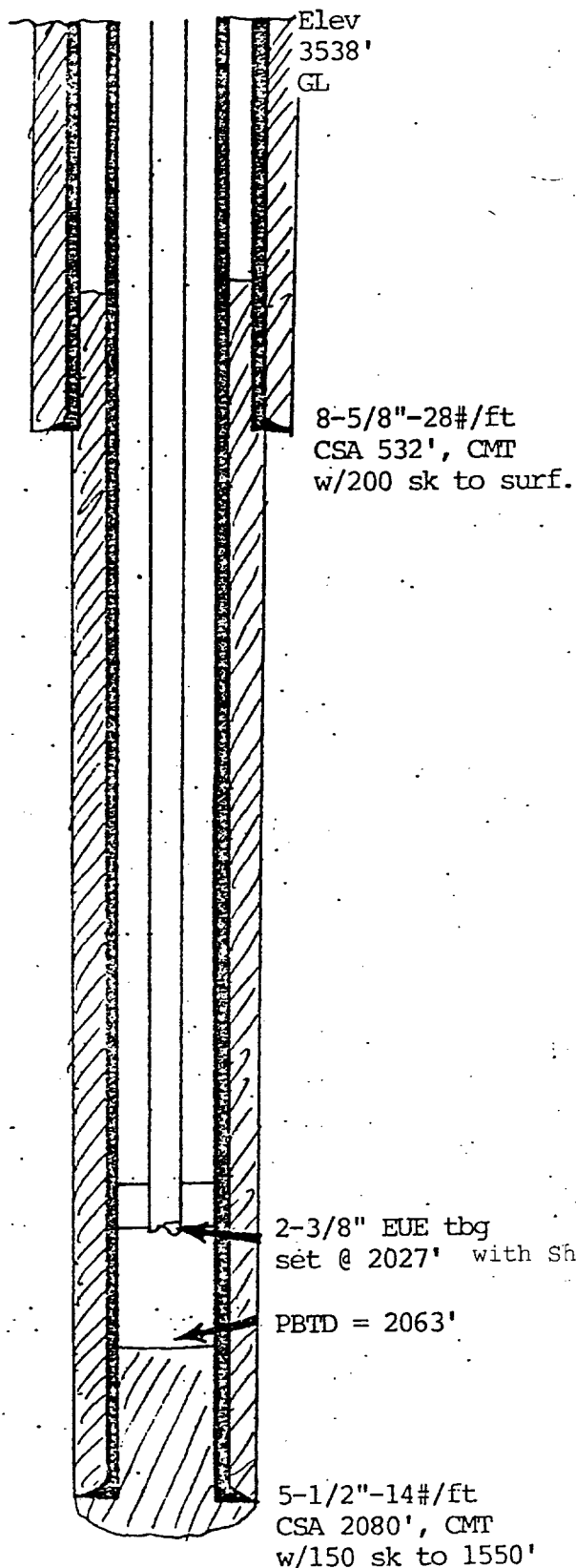
Location: 990' FEL & 2310' FNL, Sec. 32
T-18-S, R-28-E. Drilled to 532' & set
8-5/8"-28#/ft, CMT w/200 sk. Drilled to
2080' & set 5-1/2"-14#/ft, CMT w/150 sk to
1550'.

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.



TD = 2083'

WELL DATA SHEET

OPERATOR:

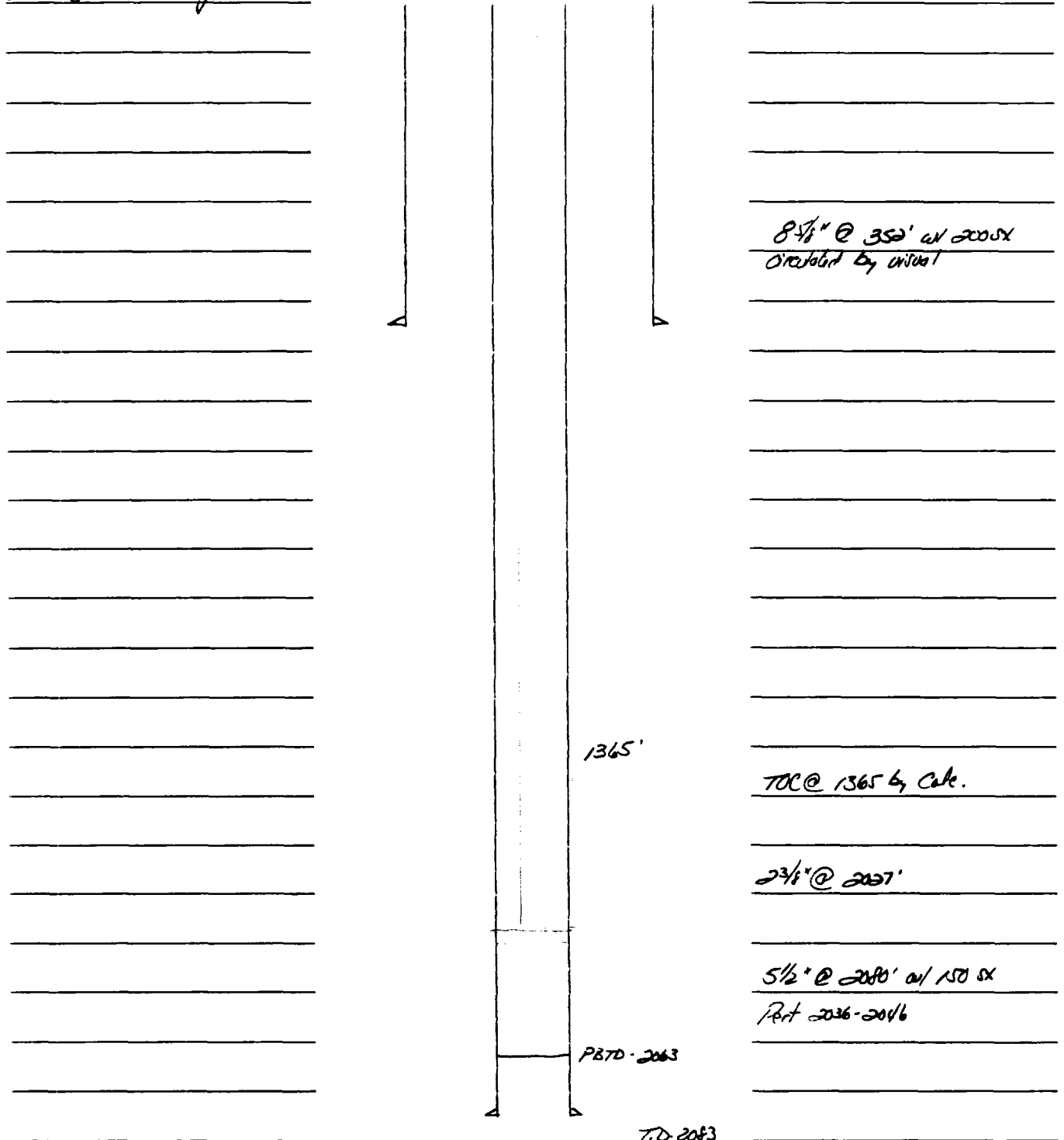
WELL NAME & NO: 380

LOCATION: 2310 FEET FROM THE N LINE AND 990 FEET FROM THE E LINE

of SECTION 32, TOWNSHIP 18S, RANGE 26E, NMPM, COUNTY, N.M.

SCHEMATIC

Well suitable for injection



APPLICATION FOR AUTHORIZATION TO INJECT

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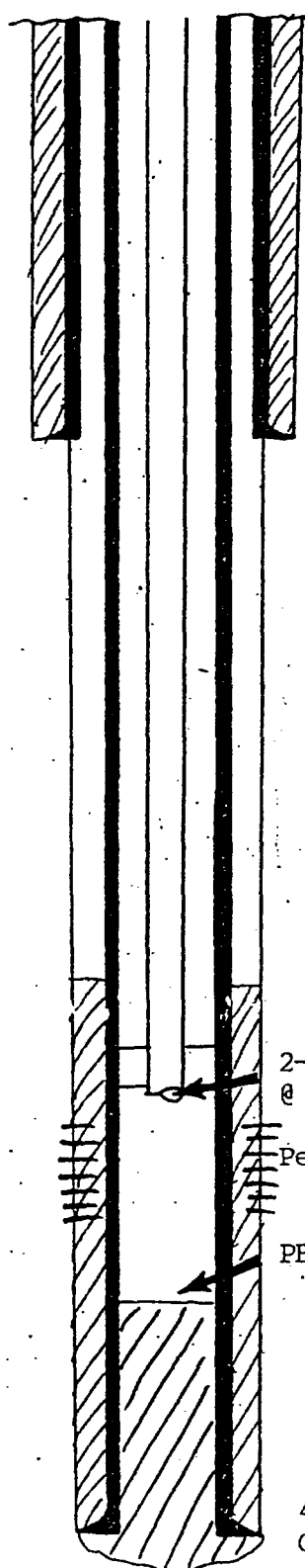
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Oil
Producer

COMPANY ARCH PETROLEUM INC.
LEASE & WELL NO. Resler Yates State #379
FORMATION 1st Grayburg
COUNTY & STATE Eddy, NM



Elev
3542' GL

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'

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

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'.

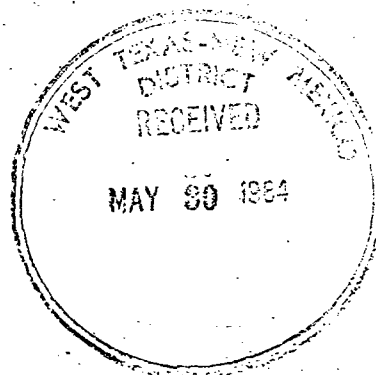
Injection interval 2014'-2026'
2-.5" holes/ft.

Acid: 500 gal 15% regular acid

Perfs: 2014'-2026' (2 shots/ft.) fraced
using 6,000 gal H₂O, 12,000# 20/40 sand

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

TD = 2085' PBTD 2039'



TD = 2085'
PBTD = 2039'

INJECTION WELL DATA SHEET

SIDE 1

OPERATOR Arch Petroleum Inc.		LEASE Resler Yates State	
WELL NO. #379	FOOTAGE LOCATION 2150 FNL & 1800 FEL	SECTION 32	TOWNSHIP 18S
			RANGE 28E

Schematic

Tabular Data

Surface Casing

Size 8 5/8 " Cemented with 200 sx.

TOC surface feet determined by visual

Hole size 11"

Intermediate Casing

Size " Cemented with " sx.

TOC " feet determined by "

Hole size "

Long string

Size 4 1/2 " Cemented with 100 sx.

TOC 1500 feet determined by cacl.

Hole size 7 7/8

Total depth 2085'

Injection interval

2014 feet to 2026 feet
(perforated or open-hole, indicate which)

ATTACHED

TOC cacl. 1725
OK

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2 3/8 lined with none(fresh water) set in a
Shorty Tension Packer (material)
(brand and model) packer at 2000' feet
 (or describe any other casing-tubing seal).
 Other Data

1. 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? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? Producer

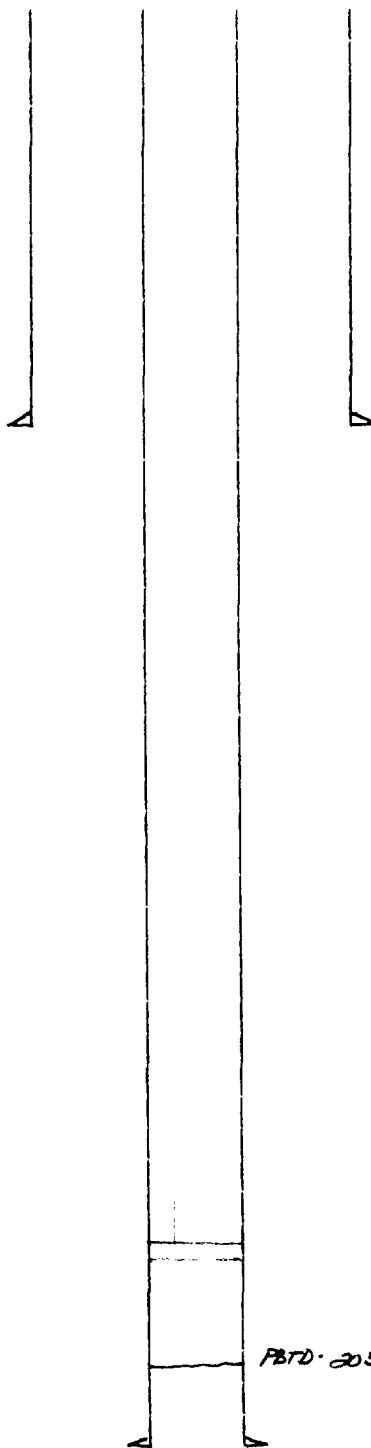
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Empire ABO
Empire Yates-Seven Rivers

WELL NAME & NO: 379

of SECTION 32, TOWNSHIP 18S, RANGE 2PE, NMPM, COUNTY, N.M.

What is suitable for injection



8 5/8" @ 530 w 200 ox
Circulated by critical

2 3/8" @ 2000'

700 cA @ 1720'

Perf-2014-2026

7 7/8" Hole

4 1/2" @ 2045' w 100 SX

PBTD-2039

#53

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- 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? ☒ yes ☐ no R-966-E
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- 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
Signature: Jim B. Paschall Date: 5-3-89
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

INJECTION WELL DATA SHEET

SIDE 1

Arch Petroleum Inc.
OPERATORResler Yates State
LEASE#55 960' FNL & 1440' FEL
WELL NO. FOOTAGE LOCATION32
SECTION18S
TOWNSHIP28E
RANGESchematicTabular DataSurface Casing

Size 8" " Cemented with Unknown sx.
TOC Unknown feet determined by
Hole size Cable Tool

Intermediate Casing

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

Long string

Size 5 3/4 " Cemented with Unknown sx.
TOC Unknown feet determined by
Hole size 7"
Total depth 2055'

Injection interval

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

ATTACHED

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2 3/8 lined with None (Fresh Water) set in a

Shorty Tension Paker (brand and model) packer at 1975" feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Crayburg

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? ☐ Yes ☒ No
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 intervals and give plugging detail (sacks of cement or bridge plug(s) used) No

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

Empire Yates-Seven Rivers

Oil
Producer

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

Well History

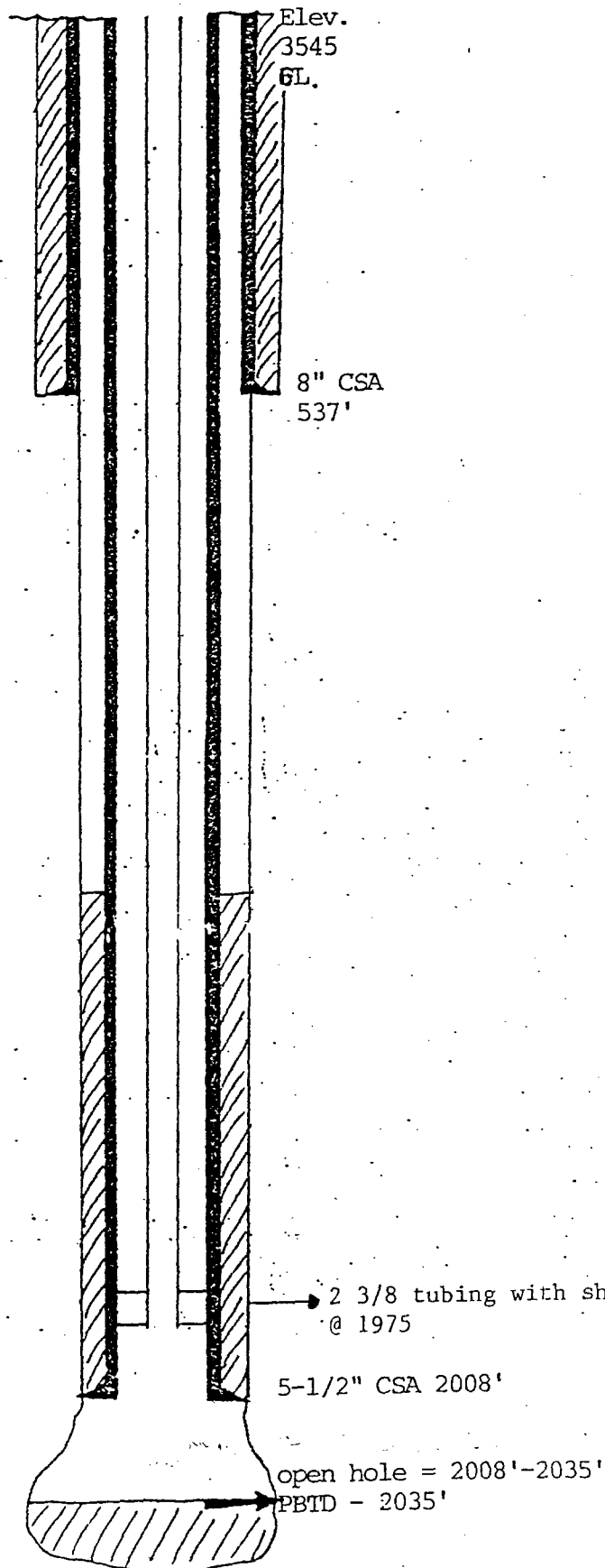
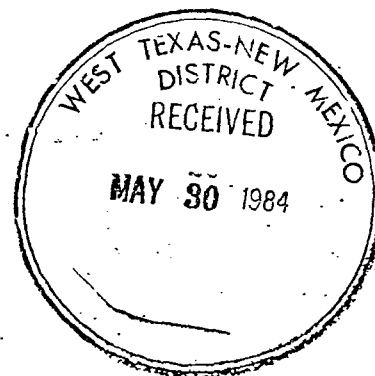
Location: 960' FNL & 1440' FEL
Sec. 32, T-18-S, R-28-E. Drilled to
537' and set 8" csg. Drilled to 2008'
and set 5-1/2" csg.

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

Open hole = 2008'-2035'

Acid: unknown

TD = 2055'



WELL DATA SHEET

OPERATOR:

WELL NAME & NO: 55

LOCATION: 960 FEET FROM THE North LINE AND 1440 FEET FROM THE East LINE
of SECTION 32, TOWNSHIP 18 South, RANGE 28 East, NMPM, COUNTY, N.M.

SCHEMATIC

No cement records.

8" @ 537'

5 1/2" @ 2008'

2 3/8" Packer @ 1958

Inj. Interval - 2008' - 2035'

PBTD - 2035'

MOREXCO, INC

TWIN LAIRS #1

EDDY CO NM

Well History

LOCATION 250' ASL, 256' FWL

S 22° T 18-S R 20 E

DATE DRILLED UNKNOWN

TD 2560'

RAW 7" 50' @ 540' cemented
with 250SX

RAW 5 1/2" 50' @ 2448' cemented
with 30 SX

RAW 2 7/8" 50' @ 2036' cemented
with 250SX

PTA 5-16 86

PLUG @ 1900'

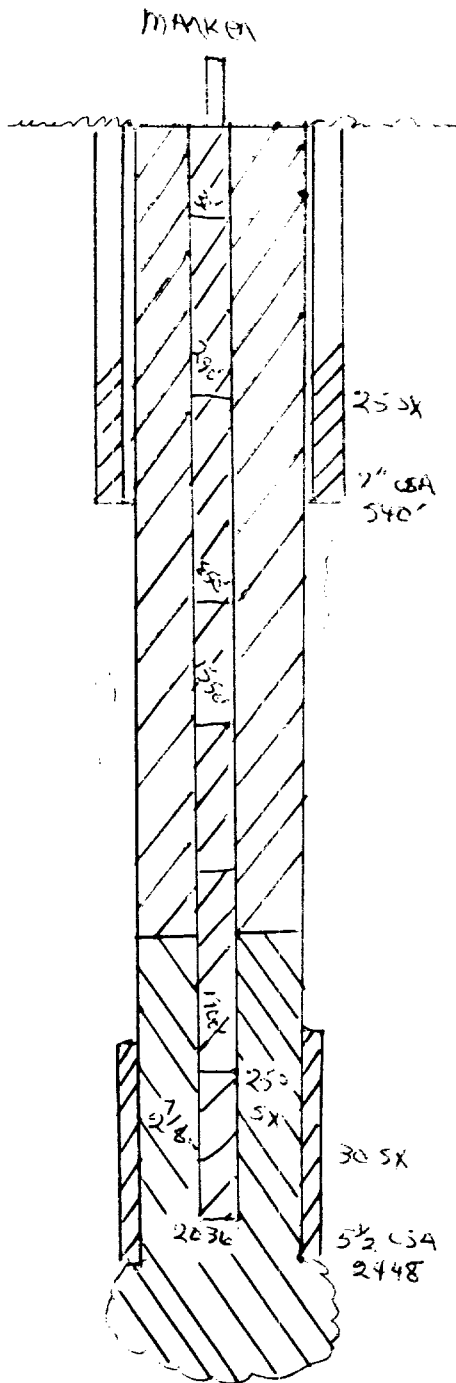
PLUG 1550-1900'

PLUG 732-850'

PLUG 290-400'

PLUG 0-30'

4" MARKER A. SURFACE



TOE 1326 SX
Casing
Cement

Kensley & Company

YATES #2

EDDY CO NM

Well History

LOCATION: 1320' FWL, 250' FWL
SEC 33, T-18-S, R-28-E

Drilled TO 2115' AUG 16, 1925
SET 2" TO 670'

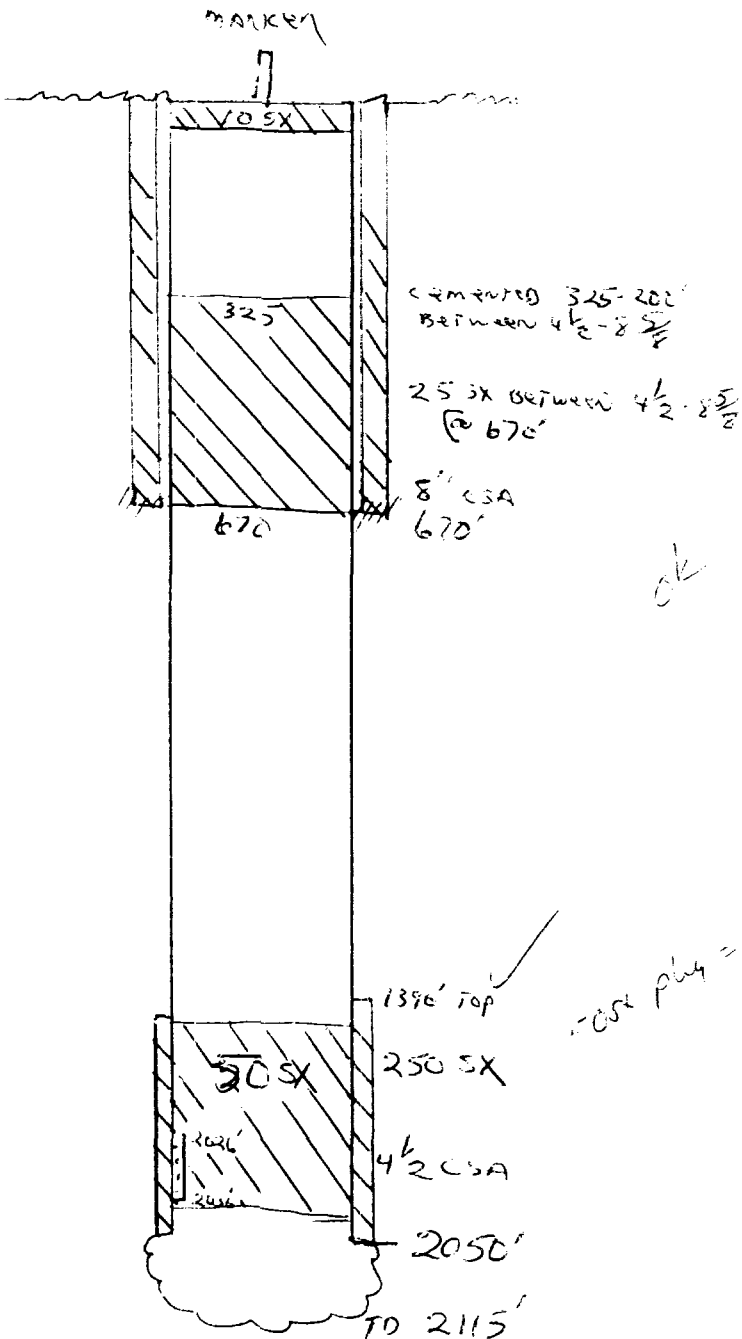
December 1965 SET 4 1/2"
TO 2050', cemented WITH
250 SX. TOP of cement 1390'

P&A APR 1986

50 SX @ 2000-1500'

PLUG 670'-325'

RAV 1" & cemented BETWEEN
4 1/2" & 8 5/8" 670' + 325'-200'.



cost plug = 460' cement
in 4 1/2" CSA.

Yates #3

EDDY Co NM

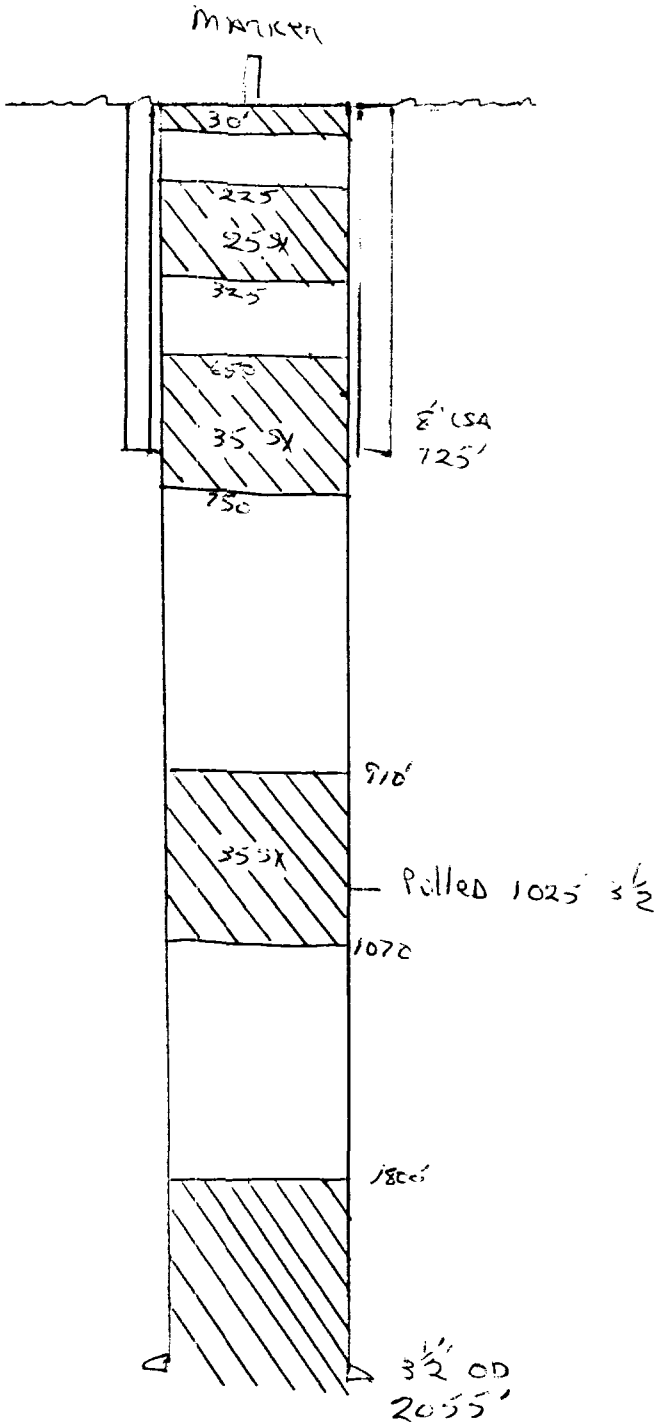
Well History

LOCATION: 800 FUL, 250' FUL,
SEC 33, T-18-S, R-28-E

Drilling TO 2055' 10-28-1925
SET 8" TO 725'

CLEANED OUT IN DEC 1965 TO
2055' & SET 3 1/2" 9.3# EUE
Casing. CEMENTED WITH 250SX
TOP OF CEMENT @ 1170'
rent 2023-33.

P & A APR 1986



RESLER YATES STATE #12
 EDDY CO NM

Well History

LOCATION 310' FSL 200' FEL
 SEC 29, T-18-S, R-28-E
 Drilled (Cable Tool) JUN 22
 1925

SET 15" @ 265'

SET 2 1/4" @ 860'

P+M mch 26, 1954

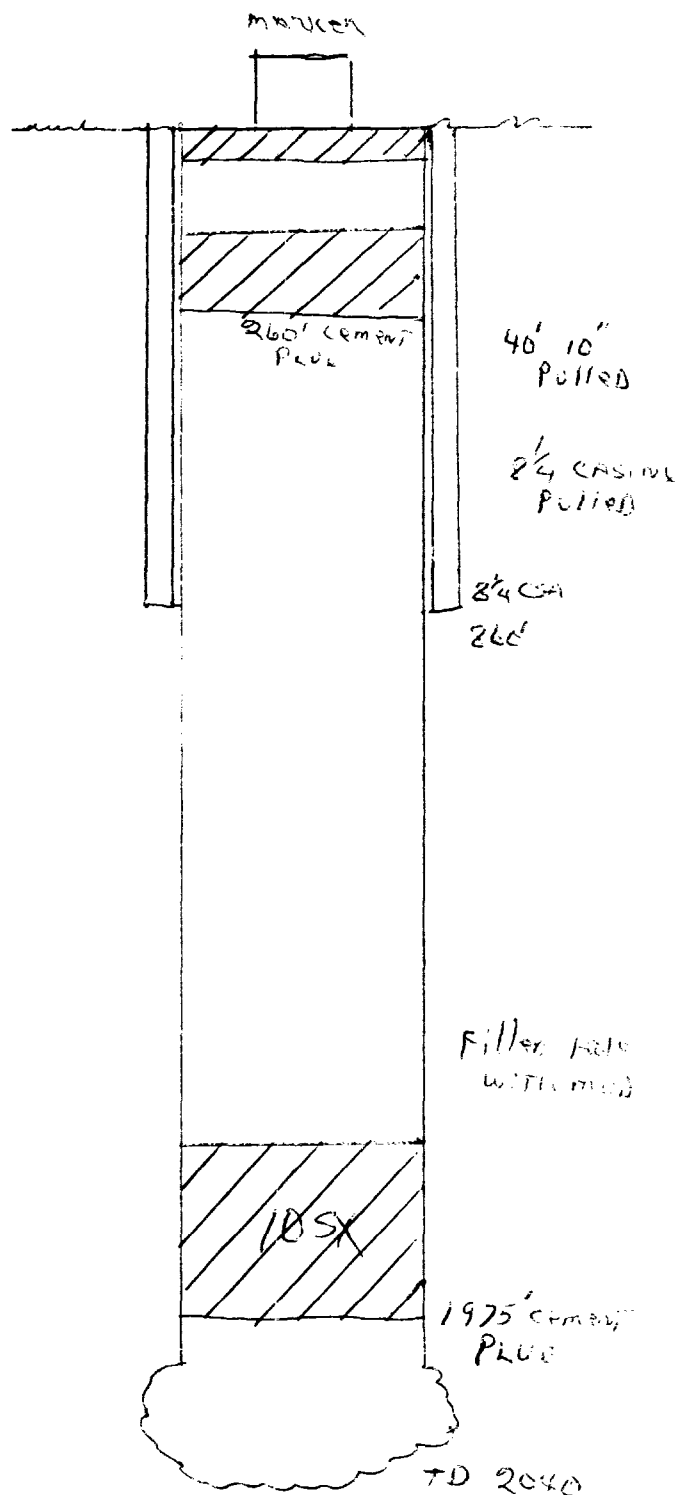
Pulled 850' 2 1/4"

Pulled 40' 10"

SET 10 SX PLUG @ 1975'

SET 10 SX PLUG @ 260'

SET PLUG @ SURFACE
 WITH INNUCEN



WELL NAME & NO:

of SECTION _____, TOWNSHIP _____, RANGE _____, NMPM, COUNTY, N.M.

SCHEMATIC

WELL CONSTRUCTION

105X6 Funkia

40'

10¹¹ E

265

105x

260

105x

1075-

2015

TD. 2040

ALCOA Petroleum

ROSLER YARD #4

EDDY CO. AM

WELL HISTORY

LOCATION: 550' FNL 1600' FNL

SEC 32, T-18-S, R-28-E

Drilled to 2014' AND SET

1974' 4 1/2" CASING 12-7-57

Drilled OUT SHOE AND BEGAN
INJECTION.

P+H MAR 1948

SET CIBP @ 1220' DUMPED 25X CEMENT

SHOT 4 1/2" @ 1237' & Pulled

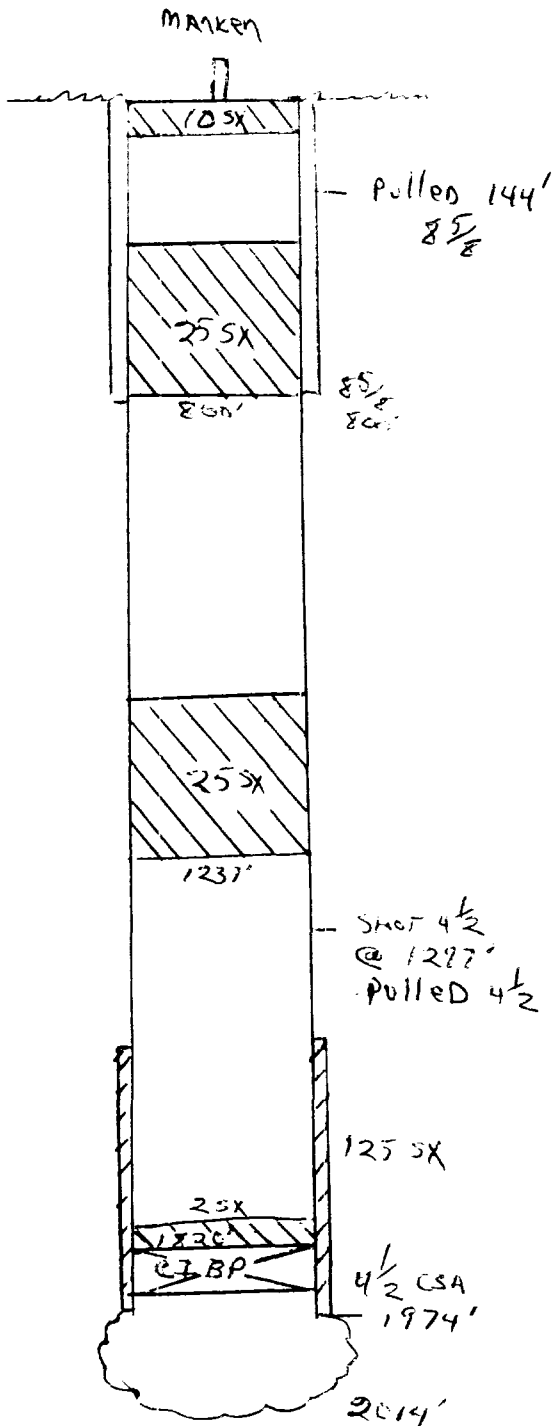
SET 25 SX @ 1237'

SHOT 8 3/8" @ 144' Pulled

SET 25 SX @ 800'

SET 10 SX @ SURFACE & PLACED

MARKER



CRARIDEE CORP.
ARCH PETROLEUM INC.

RUSSEN YATES #5

Well History

LOCATION UNIT LTR D SEC 32
T-18-S, R-28-E

Drilling To 2028' 11-6-1924
RWD 582' 8"

RAW 1950' 4 1/2' & cemented with
100 SX 8/8/57
open hole injection

P & A

July 5, 1964

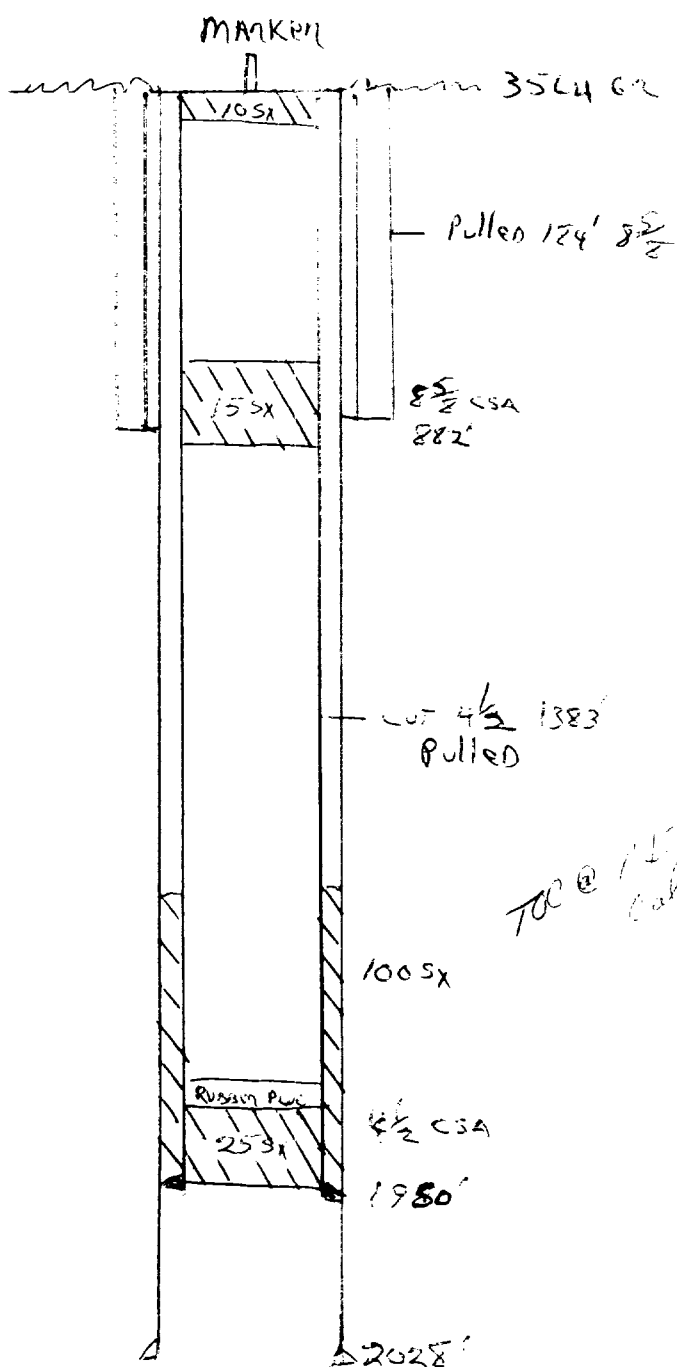
Pumped 25 SX DOWN 4 1/2' Followed
BY RUBBER PLUG.

CUT 4 1/2' @ 1383' & Pulled

SPOTTED 15 SX @ BOTTOM of Surface

CUT 2 1/2' @ 124' & Pulled

Put 10 SX @ surface & set
MARKER



TOC @ 11' by
Calc.

100 SX

RUBBER PLUG

25 SX

4 1/2' CSA

1950'

2028'

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. 647
7. Unit Agreement Name ---
8. Farm or Lease Name Resler Yates State
9. Well No. 49
10. Field and Pool, or Wildcat Artesia
12. County Eddy

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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator AMERICAN PETROFINA COMPANY OF TEXAS
3. Address of Operator Box 1311, Big Spring, Texas 79720
4. Location of Well UNIT LETTER 0 , -- FEET FROM THE -- LINE AND -- FEET FROM THE -- LINE, SECTION 29 TOWNSHIP 18S RANGE 28E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) Unknown

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

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 1103.

5-19-71 Ran 2" EUE tubing to TD (2032') and spotted 50 sx cement plug using mud laden fluid as displacing medium. Pulled tubing up to 1570' and spotted 25 sx cement plug. Pulled tubing up to 875'.

5-20-71 Spotted 25 sx cement plug at 875'. Pulled tubing, placed 10 sx cement plug in top of 8-5/8" casing and set 4-1/2" pipe marker.

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

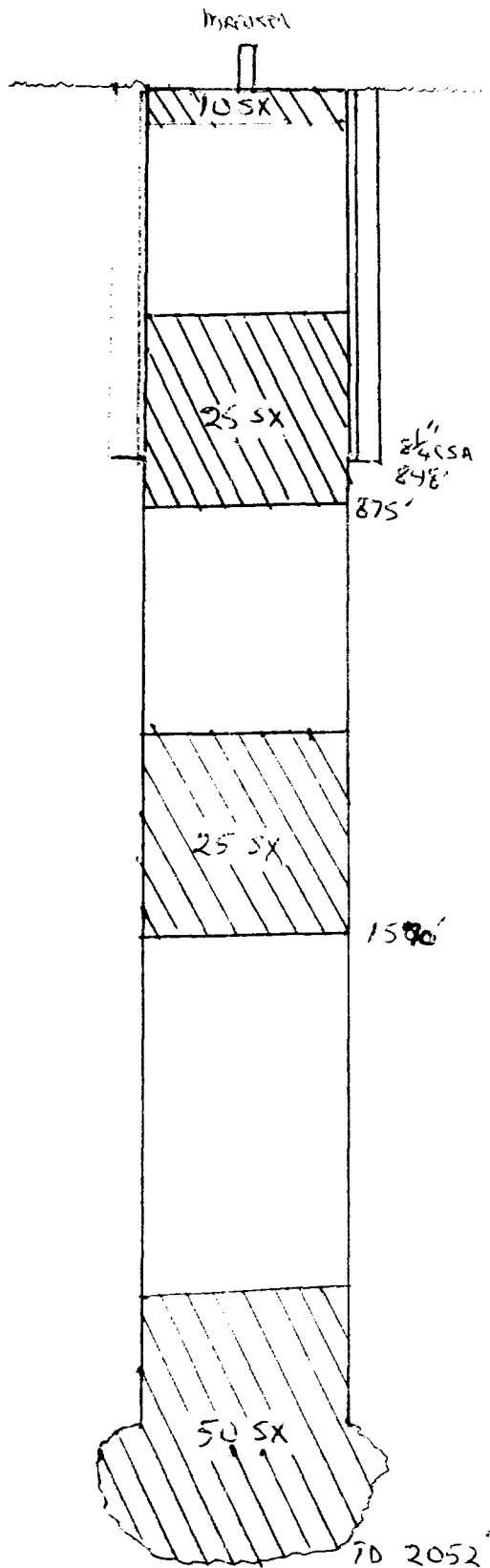
SIGNED Cliff Chapman TITLE Petroleum Engineer DATE June 28, 1971

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RESERVATION STATE #49
EDDY CO. NM

Well History



UNIT SECTION C, SEC 29, T-18-S,
R-22-E

Drilled Casing to 292' SET 10"
Drilled to 848' SET 2 1/4", Drilled to
2052' Open Hole

P+M 5-20 71

Pumped 50 SX @ 2032'

Pumped 25 SX @ 1570'

Pumped 25 SX @ 875'

Pumped 10 SX @ surface + SET MARKER

PLUGS SET THROUGH 2 3/8 TUBING

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. --
7. Unit Agreement Name --
8. Farm or Lease Name Resler Yates St.
9. Well No. 8
10. Field and Pool, or Wildcat Artesia
12. County Eddy

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.)	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator AMERICAN PETROFINA COMPANY OF TEXAS
3. Address of Operator Box 1311, Big Spring, Texas 79720	4. Location of Well UNIT LETTER P, FEET FROM THE LINE AND FEET FROM THE LINE, SECTION 29, TOWNSHIP 18S, RANGE 28E, NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) --	16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

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 1103.

- 12-14-71 Spotted 50 sx. cement at TD 2024' through 2" tubing using mud laden fluid as displacing medium. Pulled tubing up to 1500' and pumped 25 sk. plug.
- 12-15-71 Plugs held OK. Finished pulling tubing.
- 12-16-71 Shot 8-5/8" casing at 507' but could not pull. Shot at 452' and pulled 1 jt. Ran tubing to 510'.
- 12-17-71 Pumped 38 sk. plug at 510'. Cement filled up over shot at 507' in 8-5/8" casing and filled up in open hole 40' above 8-5/8" casing stub at 452'. Top of cement at 412'. There is no 10-3/4" casing in well.
- 12-18-71 Placed 10 sk. cement plug in top of hole and set 4-1/2" pipe marker.

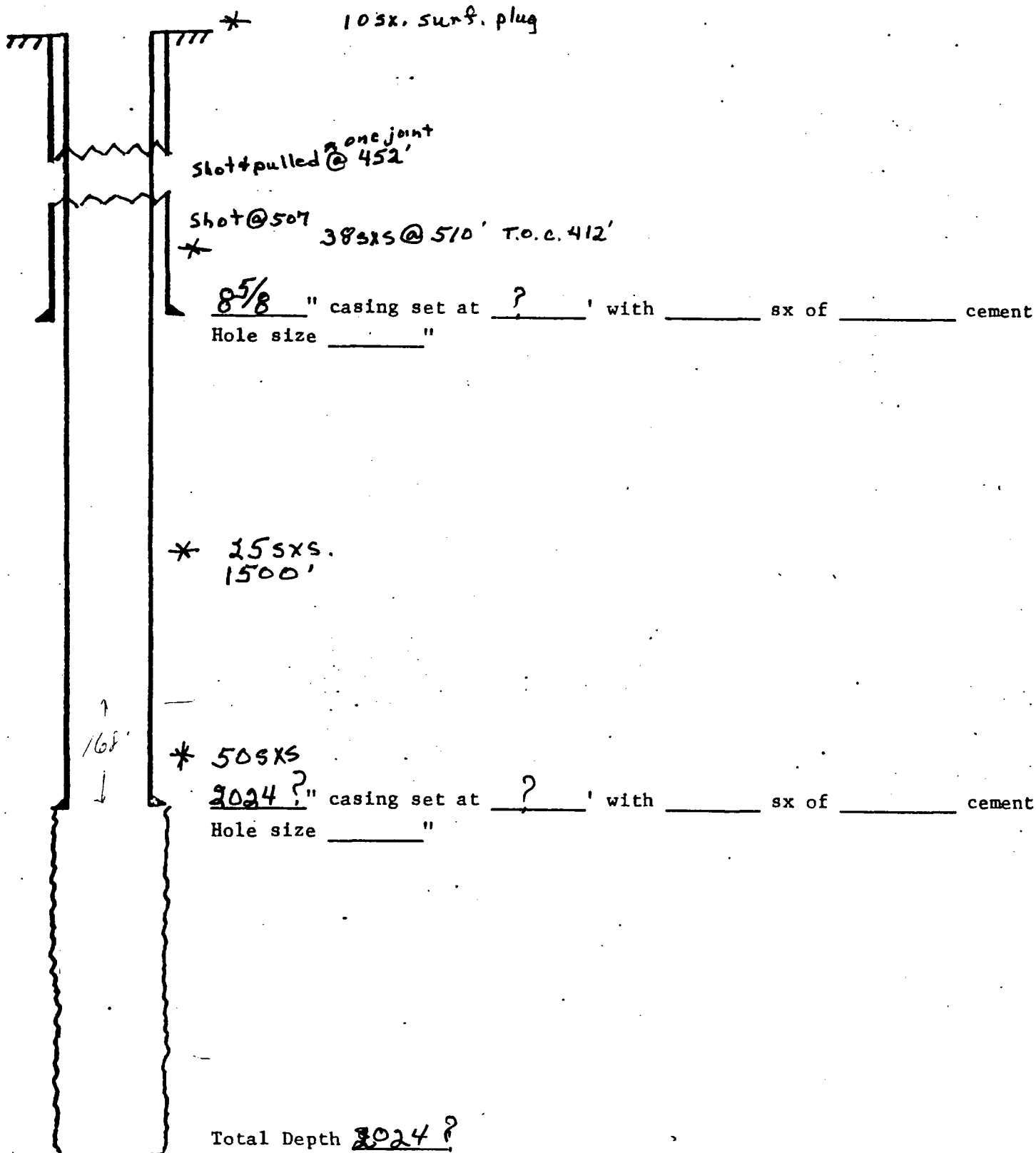
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R. C. Bott TITLE Asst. District Mgr. of Production DATE February 2, 1972

APPROVED BY _____ TITLE _____ DATE _____

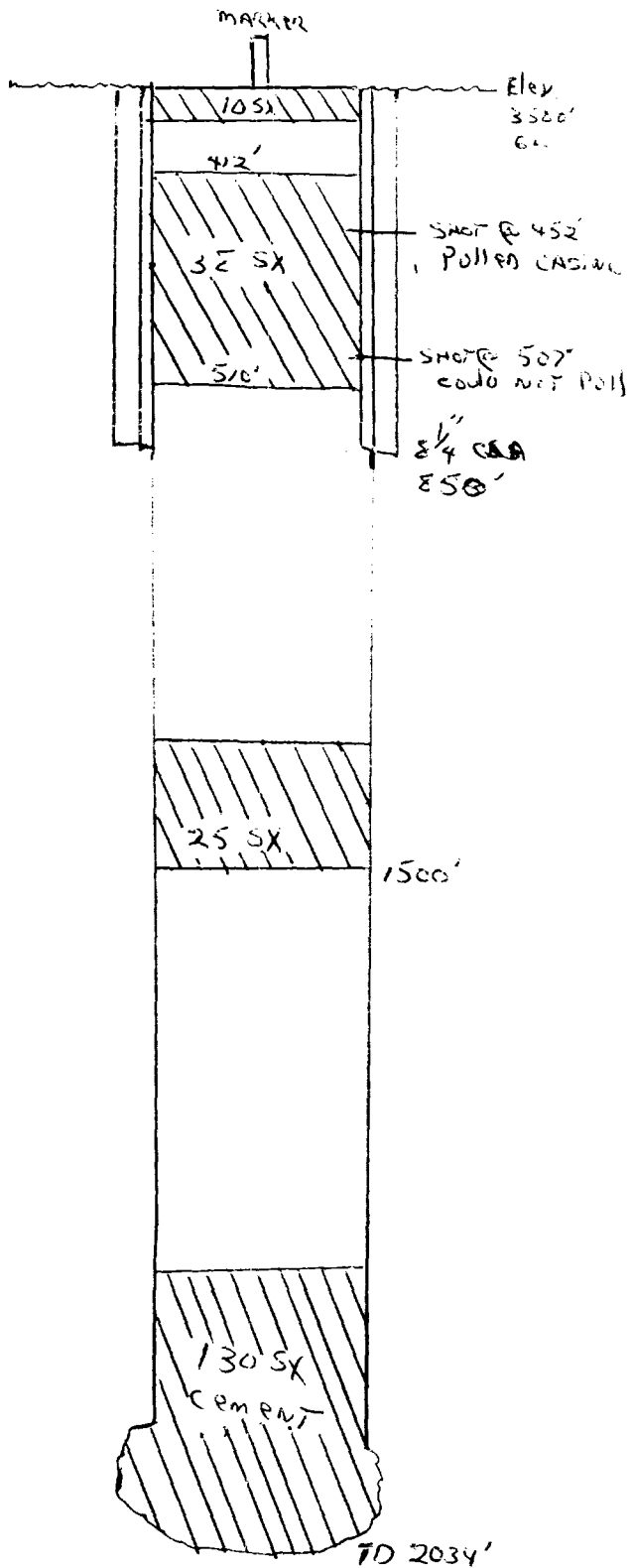
CONDITIONS OF APPROVAL, IF ANY:

FIELD	OPERATOR American Petrofina Co.	DATE 9-20-89
LEASE Resler Yates State	WELL No 8	LOCATION P-29-18-28



RESLER YATES STATE #8
EDDY CO. NM

Well History



LOCATION: DART LETTER P, SEC. 29,
T-12-S, R-28-E

Drilled (CABLE TOOL) TO
260' SET 10" Drilled TO
850' SET 8 1/4" Drilled TO
2034' OPEN HOLE,
10" PULLED (WARRANTY DRIVE)

PTA 12-18-71

PUMPED 130 SX @ 2034'
PUMPED 25 SX @ 1500'
PUMPED 38 SX @ 510'
TOP @ 412'
PULLED 452' 8 1/4"
PUMPED 10 SX @ SURFACE +
SET MARKER
PLUS SET TMO 2 3/8 TUBING

P&A WELL DATA SHEET

OPERATOR: Arch WELL NAME & NO: Reker Lake No. 8

LOCATION: FEET FROM THE LINE AND FEET FROM THE LINE
of SECTION 29, TOWNSHIP 18S, RANGE 8E, NMMP, Eddy COUNTY, N.M.

PLUGGING DATA	SCHEMATIC	WELL CONSTRUCTION
	Surface	
		8" @ 850'
38 sk - 412-507	- 412'	
	- 450'	
Shot 8" @ 452'		
Packed 1 Joint		
25 sk @ 1500'		
(118)(.25)(2864F) = 84'		
Plug - 1416' - 1500'	1416'	
	1500'	
Plug - 1595' - 2034'	1595'	
1.30 sk @ 2034'		TD - 2034'
Assume 8" hole		
	2034'	

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LAND OFFICE		
OPERATOR		

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Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
647	

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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator		8. 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
4. Location of Well		10. Field and Pool, or Wildcat
UNIT LETTER <u>N</u> , <u>330</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM		Artesia,
THE <u>East</u> LINE, SECTION <u>29</u> TOWNSHIP <u>18S</u> RANGE <u>28E</u> NMPM.		
15. Elevation (Show whether DF, RT, GR, etc.)		12. County
3559 GL		Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

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 1103.

6-24-70 Ran 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 pulled all 5-1/2" casing.
Ran 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.

SIGNED Cliff Chapman TITLE Petroleum Engineer DATE July 23, 1970

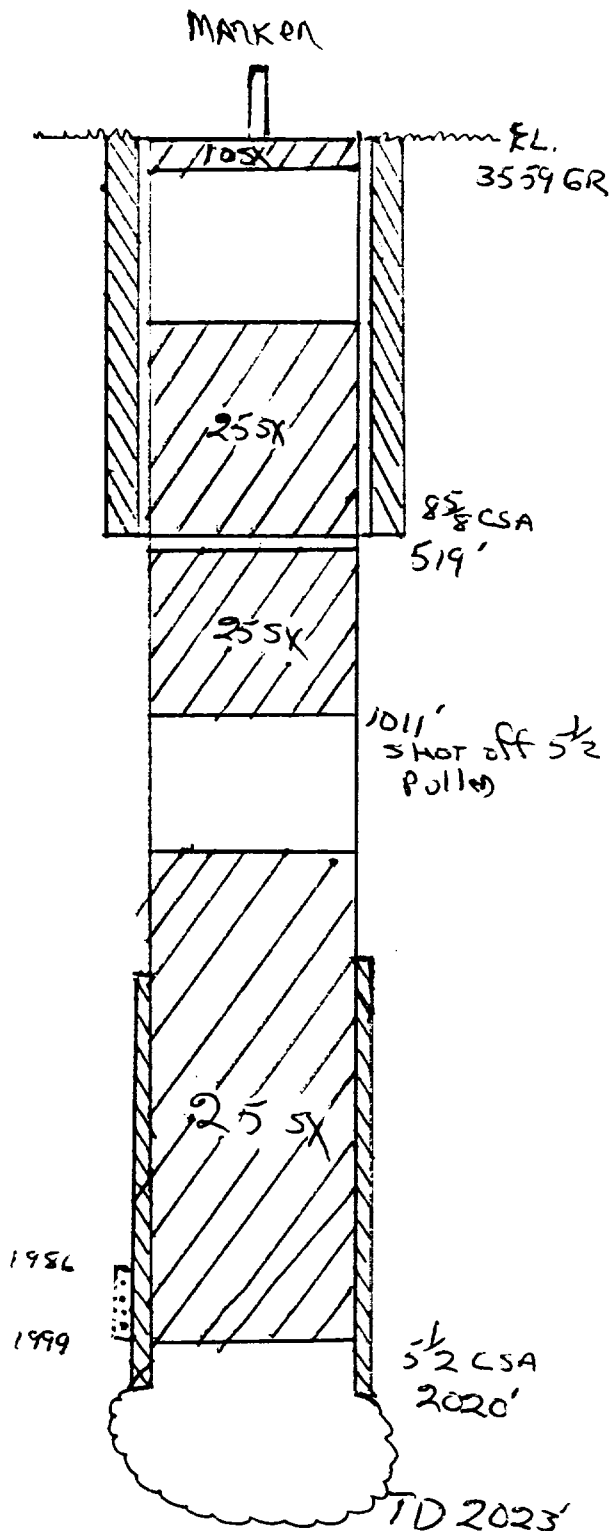
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RESERVA YATES STATE # 348
EDDY Co. NM

WELL HISTORY

LOCATION 330 FNL 1650 FEL
 Sec 29 T-18-S R-28-E
 Drilled July 4, 1959
 Drilled 850' set $8\frac{5}{8}$ " cemented
 with 150 SX
 Drilled 2034' set $5\frac{1}{2}$ " TO 2020
 CEMENTED WITH 100 SX
 Perf 1986-1999
 PTA 6-24-70
 Pumped 25 SX @ 1999'
 Pumped 25 SX @ 1011'
 Pumped 25 SX @ 519'
 Pumped 10 SX @ SURFACE +
 SET MARKER
 PLUGS SET THRU $2\frac{3}{8}$ " TUBING
 Pulled 1011' $5\frac{1}{2}$ " CASING



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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

51. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No 647

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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- 2. Name of Operator AMERICAN PETROFINA COMPANY OF TEXAS 3. Address of Operator Box 1311, Big Spring, Texas 79720 4. Location of Well UNIT LETTER N 330 FEET FROM THE South LINE AND 1650 FEET FROM THE East LINE, SECTION 29 TOWNSHIP 18S RANGE 28E N.M.P.M. 15. Elevation (Show whether DF, RT, GR, etc.) 3559 GL	7. Unit Agreement Name --- 8. Farm or Lease Name Resler Yates State 9. Well No. 348 10. Field and Pool, or Wildcat Artesia, 12. County Eddy
---	---

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

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 1103.

6-24-70 Ran 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 pulled all 5-1/2" casing.
Ran 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.

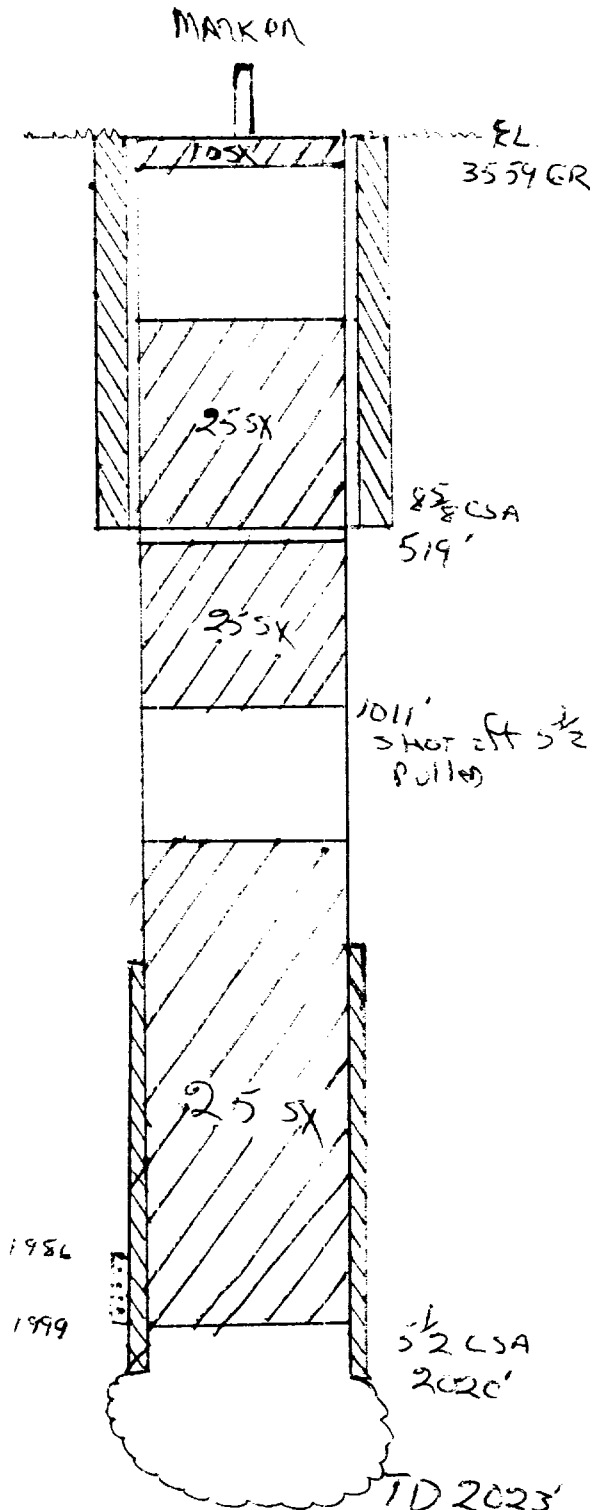
JCC/js

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

SIGNED Cliff Chapman TITLE Petroleum Engineer DATE July 23, 1970

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RESERVOIR YATES STATE # 348
EDDY CO NM



WELL HISTORY

LOCATION 330 FNL 1650 FEL
 Sec 29 T-18-S R 28-E
 Drilled July 4, 1959
 Drilled 850' set 8 5/8" cemented
 with 150 SX
 Drilled 2034' set 5 1/2" TO 2020'
 cemented with 100 SX
 Perf 1926-1999'
 PTA 6-24-70
 Pumped 25 SX @ 1999'
 Pumped 25 SX @ 1011'
 Pumped 25 SX @ 519'
 Pumped 10 SX @ SURFACE +
 set marker
 PLUGS SET THRU 2 3/8" TUBING
 Pulled 1011' 5 1/2" CASING

ARCH Petroleum
RESER VATES STATE #40
 EDDY CO NM

Well HISTORY

LOCATION 250' FEL 1320' FSL
 SEC 28 T-18-S R-28-E
 Drilled TO 2047' MAR 31,
 1926.

SET 10 @ 265'

SET 3 @ 797'

P & A JULY, 1941

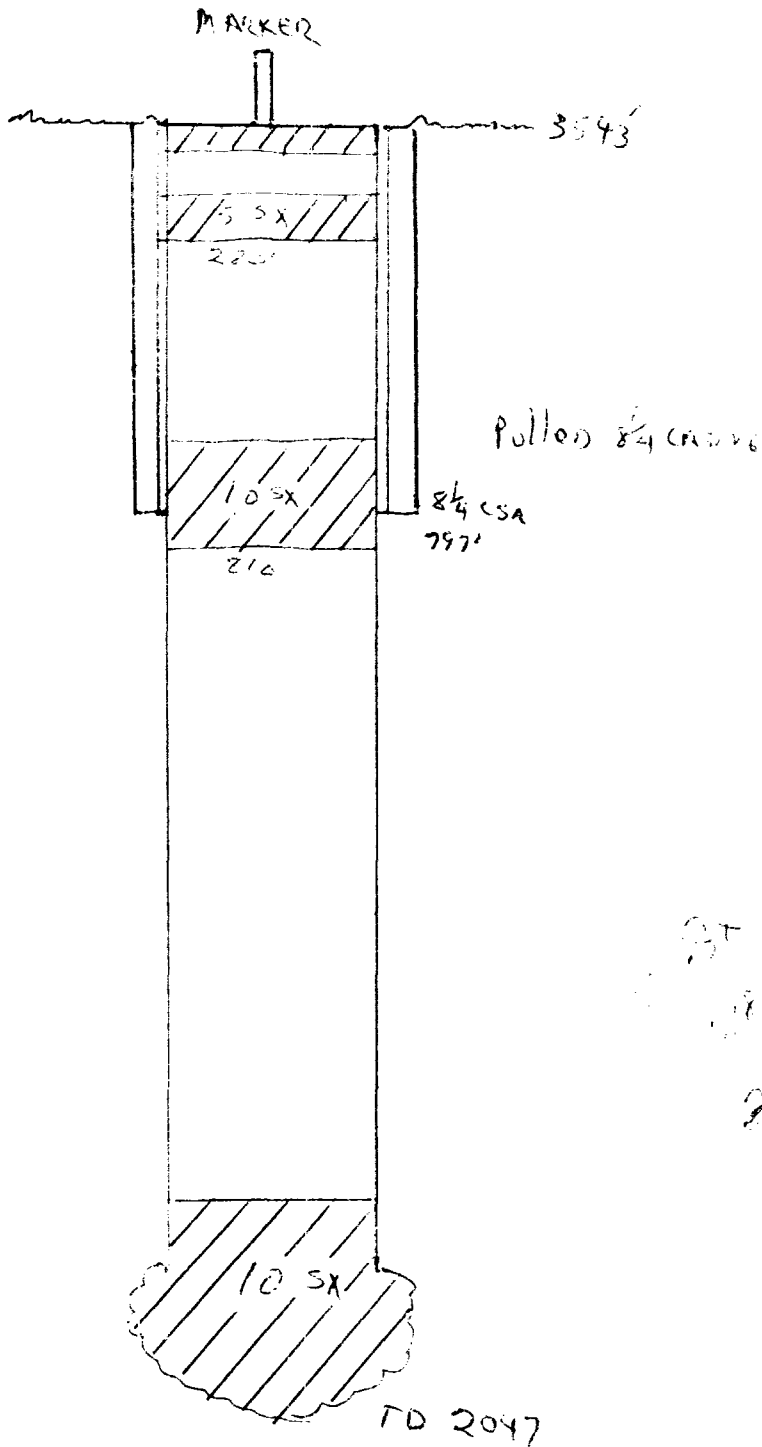
10 SX @ 2030

10 SX @ 210'

5 SX @ 220'

MINI SET @ SURFACE IN
 CEMENT

Pulled 8 1/4 CASING



ST 10 1/4 in 8 1/2 in
 28 (0) (2597) - 30 ft
 1941-2017
 2017-2017

LOCATION: 246 FEET FROM THE S LINE AND 878 FEET FROM THE E LINE
of SECTION 29, TOWNSHIP 18S, RANGE 28E, NMPM, Eddy COUNTY, N.M.

WELL CONSTRUCTION

10" @ 395'

8 1/4" @ 846'

T.D. 2009'

RESLER YATES # 48

EDDY CO. NM

Well History

246' PSL, 878' FEL, SEC 29, T-18-S

R-22-E

Drilled cable tool to 2049

RAW 10" TO 295'

RAW 24" TO 296'

PTA APR 1949

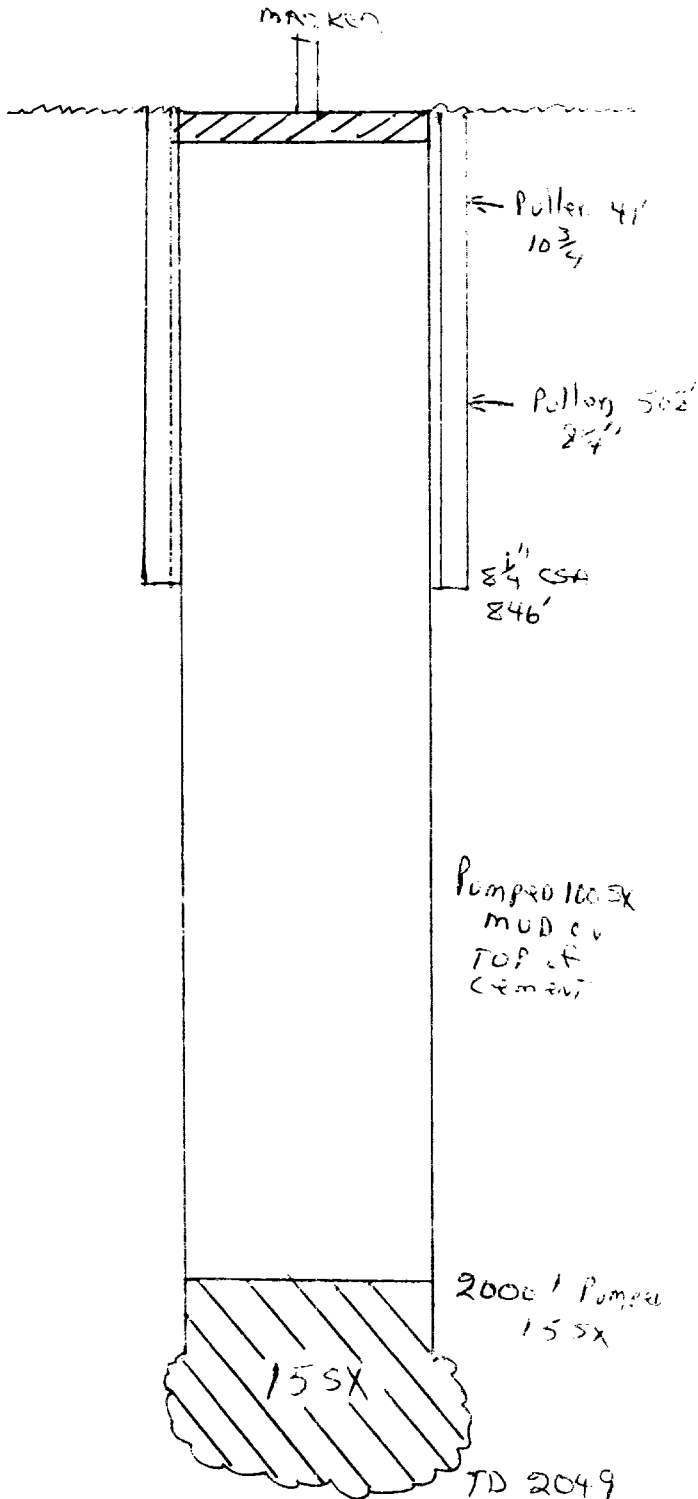
15 SX Plug @ 2000'

Pumped 100 SX mud on top
of cement.

filled 502' 8 1/4"

filled 41' 10"

Set Reel and monkey in
cement plug



NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
STATE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
 Revised 5/1/57

WR

SECTION A

Operator Graridge Corporation		Lease Resler Yates State		Well No. 48
Unit Letter P	Section 29	Township 18South	Range 28East	County Eddy
Actual Footage Location of Well: 246 feet from the South line and 878 feet from the East line				
Ground Level Elev.	Producing Formation 1st Grayburg		Pool Artesia	Dedicated Acreage: Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO _____. ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES _____ NO _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B

<p align="center"><i>This is location of phase 1 well.</i></p>			

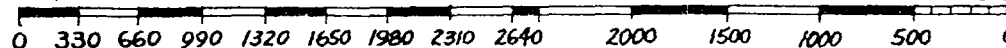
CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name
Position
Company
Date

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

Date Surveyed 6/25/62
Registered Professional Engineer and/or Land Surveyor <i>John A. Muthers, Jr.</i>
Certificate No. 1502



CO. EDDY POOL - STATE N.M. KROENLEIN 1718
4-100-10
COMPANY Malco, Ressler & Yates - #10 - State ELEV 3540
(fmlly. Illinois)
LOC SE/4 of 2390 FSL + 250 FEL 3561
Sec. 29, T.18-S, R.28-E
P.S.D.

ACID OR SHOT	CASING RECORD	TOPS
	10 - 286- S 8 - 570- S	Art Sd - 1560
SPD - COM - 1925		
I. P. -		
GR	GOR	TP
REMARKS	CP	TO 2050 PSD

CO. EDDY POOL - STATE N.M. KROENLEIN 1719
4-100-10
COMPANY Malco, Ressler & Yates - #11 - State ELEV 3563
(fmlly. Illinois)
LOC NE/Cor. of SE/4 of Sec. 3565
Sec. 29, T.18-S, R.28-E
2390 FSL + 1576 FEL D.

ACID OR SHOT	CASING RECORD	TOPS
	10 - 230 8 1/4 - 534	Art Sd. 1525
SPD - COM - 1925		
I. P. -		
GR	GOR	TP
REMARKS	CP	TO 2040 PSD

Perf. set 2" tbg. 20' fr. btm.

CO. EDDY POOL - STATE N.M. KROENLEIN 1741
4-100-10
COMPANY Malco, Ressler & Yates - #34 - State ELEV -
(fmlly. Flynn, Welc. & Yates) 3564
LOC SE C SE SE NE
Sec. 29, T.18-S, R.28-E D.
2390 FNL + 250 FEL

ACID OR SHOT	CASING RECORD	TOPS
	10 - 296 8 1/4 - 857	Art Sd - 1550
SPD - COM -		
I. P. -		
GR 36	GOR	TP
REMARKS	CP	TO 2048 PSD

no production shown.

CO. EDDY
STATE N.M. KROENLEIN 1716
4-106-10
COMPANY Malco, Ressler & Yates - #8 - State 3545
3544
100' FNL & 250' W of SE/Cor. of
Sec. 29, T.18-S, R.28-E
on 8th FSL Y 250 FNL del

ACID DR SHOT
150 qts. -
10 - 260- S
8 - 650 - S
TOPS
and sd. - 1550
Casing Record
3-9-25
TP
GOR
SD. oil 2025, 1905.
2035
PROD

CO. EDDY
STATE N.M. KROENLEIN 1737
4-106-10
COMPANY Malco, Ressler & Yates - #29 - State 3567
3569
(fmly. Flynn, Welch & Yates)
NE NE SE NW
Sec. 29, T.18-S, R.28-E
1570 FNL Y 250 FNL
D.

ACID DR SHOT
9-3-25
80 bbls.
Casing Record
10 - 292
8 1/4 - 848
TOPS
and sd. 1545
TP
GOR
TP
Sand, oil 1820.
CP
REMARKS
2044
PROD

CO. EDDY
STATE N.M. KROENLEIN 1720
4-106-10
COMPANY Malco, Ressler & Yates - #12 - State 3538
3541
(fmly. Illinois)
SW 1/4 of SE 1/4
Sec. 29, T.18-S, R.28-E
250 FSL Y 250 FNL
D.

ACID DR SHOT
10 - 265
8 1/4 - 860
TOPS
and sd. - 1550
Casing Record
- 1925
TP
GOR
TP
Oil ad. 2020.
2040
PROD

CO. EDDY
STATE N.M. KROENLEIN 1745
4-106-10
COMPANY Malco, Ressler & Yates - #40 - State 3543
3543
(fmly. Flynn, Welch & Yates)
NW C SE NE SE
Sec. 29, T.18-S, R.28-E
1320 FSL Y 250 FNL
D.

ACID DR SHOT
3-2-26
3-21-26
Casing Record
10 - 265
8 1/4 - 797
TOPS
and sd. 1550
TP
GOR
TP
Production not shown.
CP
REMARKS
2047
PROD

FLYNN, ...

Well No. 54

SESESW Sec 29

0	15	White Gyp
15	245	Red Sand and Gyp
245	255	White Gyp
255	500	Red Mud
500	550	Lime
550	590	Lime
590	640	Lime
640	700	Lime
700	775	Red Gyp
775	835	Red Gyp
835	860	Gyp
860	910	Gyp
910	935	Gyp
935	940	Lime
940	970	Lime
970	1025	Lime
1025	1070	Lime
1070	1115	Lime
1115	1155	Lime
1155	1205	Lime
1205	1230	Lime
1230	1260	Lime
1260	1305	Lime
1305	1350	Lime
1350	1400	Pink Lime and Gyp
1400	1450	White Lime
1450	1500	Lime
1500	1520	Lime
1520	1560	Lime
1560	1565	Red Sand
1565	1605	Red Sand
1605	1610	Lime
1610	1655	Lime
1655	1695	Lime
1695	1730	Lime
1730	1750	Pink Lime
1750	1770	White Lime
1770	1785	Lime
1785	1815	Lime
1815	1820	Lime
1820	1850	Sand
1850	1855	Sand
1855	1885	Lime
1885	1910	Lime
1910	1940	Lime
1940	1965	Lime
1965	1985	Lime
1985	1990	Lime
1990	2018	Sand
2018	2023	Sand
2023	2036	Lime
2036	2045	Lime



Arch Petroleum Inc.

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 [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
GOVERNOR

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, VII, 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
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

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

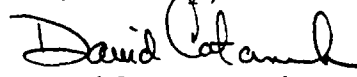
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I have received your application to convert the Resler Yates State Well Nos. 55, 370, 379 and 380 to injection wells within the Artesia Flood Project. Please be advised that additional information is required before the application can be processed. Upon reviewing your application I found that Parts VI, VII, 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)



Arch Petroleum Inc.

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,

R. M. Kennemer, agent

RECEIVED

AUG 9 1989

**OIL CONSERVATION DIV.
SANTA FE**

Insulation of DATA
AREA of REVIEW

1	2	3	4	5	6	7	8	9	10	11	12
ARCH	TYPE	CONSTRUCTION	DATE DRILLED	LOCATION			DEPTH	COMPLETION	NOTING	RMKS	CEMENT RECORD
1. Rosin Yates	WI	7' 50" 4 1/2 2061'	JUL 1, 1967	330 FNL, 590 FSL, S2, T185, R22E			2044'	202.5-36 P			1500' 125' 0"
2. —	WI	8' 53' 5 1/2 2075'	OCT 23/1967	1650 FNL, 590 FSL, S32, T185, R22E			2075'	2034-36 P			1500' 125' 0"
3. —	WI	8' 53' 5 1/2 2085'	JAN 3, 1968	2150 FNL, 1800 FSL, S32, T185, R22E			2085'	2014-26 P			1500' 125' 0"
4. —	WI	10' 30' 5 1/2 1928'	FEB 24, 1968	2380 FNL, 1060 FSL, S32, T185, R22E			2034'	1988-2012 CH			1500' 125' 0"
5. —	WI	8' 53' 5 1/2 2080'	APR 19, 1969	230 FNL, 990 FSL, S32, T185, R22E			2083'	2036-46 P			1500' 125' 0"
6. —	WI	7' 30' 4 1/2 2065'	OCT 30, 1969	1650 FNL, 2310 FSL, S32, T185, R22E			2065'	2017-29 P			1500' 125' 0"
7. —	WI	5' 54' 4 1/2 2089'	NOV 16, 1972	330 FNL, 2310 FSL, S32, T185, R22E			2089'	2022-38 P			1500' 125' 0"
8. —	WI	5' 54' 4 1/2 2065'	NOV 16, 1970	660 FSL, 660 FSL, S32, T185, R22E			2065'	2000-25 P			1500' 125' 0"
9. —	WI	10' 19' 8' 820' 5' 1963	APR 12, 1991	1140 FSL, 2120 FSL, S29, T185, R22E			2018'	1963-2030 CH			1500' 125' 0"
10. —	WI	7' 53' 4 1/2 2030'	FEB 18, 1960	330 FSL, 2310 FSL, S29, T185, R22E			2040'	1992-2009 P			1500' 125' 0"
11. —	WI	8' 53' 5 1/2 2006'	OCT 16, 1926	330 FSL, 2310 FSL, S29, T185, R22E			2024'	2006-2024 CH			1500' 125' 0"
12. —	WI	10' 26' 5 1/2 2022'	JUL 38, 1925	330 FNL, 330 FSL, S32, T185, R22E			2036'	2012-2036 CH			1500' 125' 0"
13. —	WI	7' 14' 4 1/2 2058'	SEP 18, 1967	1650 FNL, 2310 FSL, S32, T185, R22E			2068'	2003-207 P			1500' 125' 0"
14. —	WI	8' 53' 5 1/2 2000'	MAR 5, 1968	1650 FNL, 2310 FSL, S32, T185, R22E			2060'	1987-1999 P			1500' 125' 0"
15. —	WI	8' 53' 5 1/2 2052'	NOV 10, 1961	990 FSL, 1650 FSL, S29, T185, R22E			2052'	2006-2023 P			1500' 125' 0"
16. —	WI	10' 1' 8' 850'	MAR 9, 1925	800 FSL, 200 FSL, S29, T185, R22E			2034'	850-2034 CH			1500' 125' 0"
17. —	WI	12' 3' 8' 848'	AUG 16, 1926	800 FSL, 200 FSL, S29, T185, R22E			2052'	848-2052 CH			1500' 125' 0"
18. —	WI	10' 2' 8' 846'	JUL 1, 1926	240 FSL, 238 FSL, S29, T185, R22E			2046'	846-2046 CH			1500' 125' 0"
19. —	WI	10' 2' 8' 860'	JUN 22, 1925	330 FSL, 200 FSL, S29, T185, R22E			2040'	860-2040 CH			1500' 125' 0"
20. —	WI	10' 2' 8' 841 797'	MAR 3, 1926	1320 FSL, 250 FSL, S29, T185, R22E			2047'	297-2047 CH			1500' 125' 0"
21. —	WI	8' 53' 5 1/2 2020'	MAY 4, 1959	330 FSL, 1650 FSL, S29, T185, R22E			2023'	1986-99 P			1500' 125' 0"
22. —	WI	4' 19' 7' 4'	NOV 16, 1924	550 FNL, 1600 FNL, S32, T185, R22E			2014'	1974-2014 CH			1500' 125' 0"
23. —	WI	8' 53' 5 1/2 421950'		532 T185, R22E			2028'	1950-2028 CH			1500' 125' 0"
24. —											
25. —											
26. —											
27. —											
28. —											
29. —											
30. —											
31. —											
32. —											

ILLEGIBLE

MONEXCO, INC
Twin Lakes #14

YATES	TYPE	CONSTRUCTION	DATE DRILLED	LOCATION	DEPTH	COMPLETION	ATTACHED	RINGS
OK	Oil	44" 2050, 8" 670	8-16-26	260' FWL, 250' FWL, 538, 7185, R 28E	2030'	2026-2036 P	✓	
OK	Oil	3 1/2 1055, 8" 725	18-2-35 18-2-35	1320' FWL, 250' FWL, 533, 7185, R 28E	2115'	2026-2036 P	✓	
OPEN	Oil	8 5/8 570, 4 1/2 2832'	9-16-80	800' FWL, 250' FWL, 533, 7185, R 28E	2355'	2023-2033 P	✓	
				2310 FSL, 330' FWL, 533, 7185, R 28E	2872'	2032-2562 P		

MORRIS CO, INC.	TYPE	CONSTRUCTION	DATE DRILLED	LOCATION	DEPTH	COMPLETION	STATUS	REMARKS
Oil Oil Oil	Oil	3 1/2" 53', 3 1/2" 204'	JAN 9, 1963	660' FS, 660' FWC	528', 718', 1228'	2057'	2006-19 P	
Oil Oil Oil	Oil	7" 547', 5 1/2" 1982'		1316' FS, 270' FWC	528', 718', 1228'	2025'	2006-19 P 2008-2017 T	
Oil Oil Oil	Oil	7" 536'			528', 718', 1228'			
Oil Oil Oil	Oil	7" 540', 5 1/2" 2198'						
Oil Oil Oil	Oil	3 1/2" 2036'		250' FS, 250' FWC	528', 718', 1228'	2360'	2008-2017 T	

DATA SHEET
ANCH PETROLEUM INC
wells TO BE converted TO WIW

Well	Location	Casing depth	5X Cement	hole size	top of cement	Rmts	Tubing sz	lining mat	setting depth	Driller/Seal
Reservoir Yates # 55	960 FNL 1440 FEL, 532, 7185, R286	8 537' 5 1/2 2008'		Cable Tool	-	-	2 3/8 2005	none	1958	Baker turn
Reservoir Yates # 370	1650 FNL 990 FEL, 532, 7185, R286	8 3/8 537' 175 5X 150 5X		11" surf. 7 7/8" TD	surface ?		2 3/8 2005	none	1976	Wynn firm
Reservoir Yates # 380	2310 FNL, 990 FEL, 532, 7185, R286	8 3/8 532' 5 1/2 2080	200 5X 150 5X	11" surf. 7 7/8" TD	surface 1550'		2 3/8 2005 2 3/8 2005	none	1986	Baker turn Baker turn
Reservoir Yates # 379	2150 FNL, 1800 FEL, 532, 7185, 286	8 3/8 538' 4 1/2 2085	200 5X 100 5X	12 1/4 7 7/8" TD	surface 1700'		2 3/8 2005	none	1964	Baker turn
Proposed average 1200 and Maximum 2000 daily rate and volume of fluids to be injected (bbls.) System is closed Proposed average 1000# and Maximum 2500# injection pressures Source of water---Carlsbad NM water supply system. (Fresh)										

Insulation of DATA Pipes of REV/PM

ARCH	TYPE	CONSTRUCTION	DATE ON FILED	LOCATION	DEPTH	COMPLETION	ATTACHED	RMS
Insulation	355	WT	1" 50b, 4 1/2 2061'	330FNL, 590FEL 532, T185, R22E	2064'	2021.5-36P		
370	O.I.	8 3/8 537, 5 1/2 2075'	OCT 28/1967	1650FNL, 590FEL 532, T185, R22E	2075'	2034-36P		
379	O.I.	8 3/8 538, 4 1/2 2085'	DEC 3, 1968	2150FNL, 1800FEL 532, T185, R22E	2085'	2014-26P		
61	O.I.	10 3/16, 8 3/8 513, 5 1/2 1988'	FEB 24, 1982	2380FNL, 1060FNL 532, T185, R22E	2084'	1988-2012CH		
380	O.I.	8 3/8 538, 5 1/2 2080'	MAR 19, 1969	2310FNL, 990FEL 532, T185, R22E	2083'	2036-46P		
368	WT	7 3/8 532, 4 1/2 2060'	OCT 30, 1964	1650FNL, 2310FEL 532, T185, R22E	2065'	2017-24P		
353	O.I.	8 3/8 542, 4 1/2 2089'	SEP 16, 1977	330FNL, 2310FEL 532, T185, R22E	2099'	2022-32P		
344	DISCON. IN 10	8 3/8 544, 4 1/2 2065'	SEP 16, 1980	660FNL, 660FEL 532, T185, R22E	2066'	2010-25P		
76	O.I.	10 1/2, 8 3/8 519, 5 1/2 1963	APR 12, 1941	1140FNL, 2170FNL 532, T185, R22E	2018'	1963-2030.H		
349	WT	7 3/8 531, 4 1/2 2030'	FEB 18, 1960	330FNL, 2310FNL 532, T185, R22E	2040'	1992-2007P		
54	O.I.	10 3/4, 8 3/8 514, 5 1/2 2006'	OCT 16, 1926	330FNL, 2310FEL 532, T185, R22E	2024'	2006-2024.O.H.		
20	O.I.	10 2/16, 5 1/4 850, 5 1/2 2002	JUL 28, 1925	330FNL, 330FEL 532, T185, R22E	2036'	2012-2036.O.H.		
367	O.I.	7 1/4 54, 4 1/2 2058'	SEP 18, 1967	1650FNL, 2310FNL 532, T185, R22E	2068'	2023-207P		
376	O.I.	8 3/8 535, 4 1/2 2060'	MAR 5, 1968	1650FNL, 2310FNL 532, T185, R22E	2060'	1987-1999P		
343	O.I.	8 3/8 482, 4 1/2 2052'	NOV 10, 1961	990FNL, 1650FEL 532, T185, R22E	2052'	2026-2023P		
49	PTA	10 3/16, 8 3/8 530'	MAR 9, 1925	800FNL, 250FEL 541, T185, R22E	2034'	850-2034.O.H.		
48	PTA	10 2 1/2, 8 3/8 548'	AUG 16, 1926	246FNL, 878FEL 541, T185, R22E	2046'	898-2052.O.H.		
12	PTA	10 2 1/2, 8 3/8 860'	JUL 1, 1926	330FNL, 200FEL 541, T185, R22E	2040'	860-2040.O.H.		
40	PTA	10 2 1/2, 8 3/8 797'	MAR 21, 1926	1320FNL, 250FEL 541, T185, R22E	2047'	297-2047.O.H.		
348	PTA	8 3/8 519, 5 1/2 2020'	JUL 4, 1939	330FNL, 1650FEL 541, T185, R22E	2023'	1986-99P		
4	PTA	4 1/2 1974'	N	550FNL, 1600FNL 542, T185, R22E	2014'	1974-2014.O.H.		
5	PTA	8 3/8 532, 4 1/2 1950'	NOV 6, 1924	532, T185, R22E	2028'	1950-2010.O.H.		

MONEXCO, INC
TWIN LAKES #14



Arch Petroleum Inc.

June 7, 1989

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

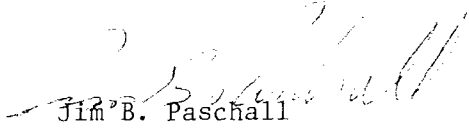
ATTN. David Catanach

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,


Jim B. Paschall
V.P. Operations

RECEIVED

JUN - 9 1989

OIL CONSERVATION DIV
SANTA FE

AREA OF REVIEW WELLS
THAT ARE OK FOR DETECTION:

#355	9 5/8" 7" @ 58' w/ 100 SX	6 1/4" 4 1/2" @ 2061' w/ 125 SX	TOC @ 1055' by Calc. OK
#368	8 3/4" 7" @ 520' w/ 100 SX	6 1/4" 4 1/2" @ 2063' w/ 125 SX	TOC @ 1057' by Calc. OK
	Hole in cap @ 570'-600' screened w/ 150 SX		
#353	11 0" 8 5/8" @ 542' w/ 250 SX	7 7/8" 4 1/2" @ 2059' w/ 200 SX	TOC by T.S. @ 1100' OK
#344	11 0" 8 5/8" @ 544' w/ 300 SX	7 7/8" 4 1/2" @ 2065' w/ 200 SX	TOC @ 1340 by Calc. OK
#349	9 7/8" 7" @ 531' w/ 200 SX	6 1/4" 4 1/2" @ 2030' w/ 150 SX	TOC @ 822 by Calc. OK
#367	9 7/8" 7" @ 454' w/ 125 SX	6 1/4" 4 1/2" @ 2058' w/ 150 SX	TOC @ 850 by Calc. OK
#376	11 0" 8 5/8" @ 533' w/ 275 SX	7 7/8" 4 1/2" @ 2060' w/ 100 SX	TOC @ 1697' by Calc. OK
#313	10 3/4" 8 5/8" @ 482' w/ 125 SX	7 7/8" 4 1/2" @ 2052' w/ 100 SX	TOC @ 1688' by Calc. OK

NEEDY & CO.

TWIN LAKE NO. 14 10" 8 5/8" @ 532' w/ 500 SX 8" 5 1/2" @ 2044' w/ 100 SX TOC @ 1595 by Calc. OK
M-28-18-28

#7 M-28-18-28 7" @ 547' 50 SX 5 1/2" @ 1982 w/ 100 SX OK
4 1/2" @ 1857-2036 125 SX

D.W. Berry

Open #1

L-33-18-28 8 5/8" @ 370 w/ 775 SX 4 1/2" @ 2832 w/ 375 SX TOC @ 200 by T.S. OK

PS Form 3811, July 1982

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered90
☐ Show to whom, date, and address of delivery ..
 2. ☐ RESTRICTED DELIVERY
 (The restricted delivery fee is charged in addition to the return receipt fee.)
 TOTAL \$.90

3. ARTICLE ADDRESSED TO:
 Depco Inc.
 1000 Petroleum Blvd. 110-16th
 Denver, Colorado 80202

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD P664 987 96
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY 6/9/89 POSTMARK
(may be on reverse side)

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

RETURN RECEIPT

* GPO: 1982-379-593

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered90
☐ Show to whom, date, and address of delivery ..
 2. ☐ RESTRICTED DELIVERY
 (The restricted delivery fee is charged in addition to the return receipt fee.)
 TOTAL \$.90

3. ARTICLE ADDRESSED TO:
 Kersey & Co.
 Box 316 808 W. Grand Ave
 Artesia, N. Mex. 88210

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD P664 987 970
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY 5-6-89 POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL



Arch Petroleum Inc.

May 4, 1989

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

RECEIVED

MAY 22 1989

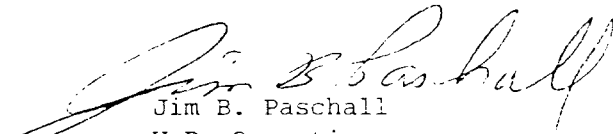
**OIL CONSERVATION DIV.
SANTA FE**

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 separate cover will be proof of notification to off-set 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

Gentlemen:

As indicated above, please find attached proof of notification to offset operators and proof of publication.

Jim Paschall
JD
5/16/89

Affidavit of Publication

Copy of Publication

No. 12756

STATE OF NEW MEXICO,

County of Eddy:

Gary D. Scott being duly sworn, says: That he is the Publisher of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached Legal Notice

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 for 1 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.

Subscribed and sworn to before me this 10th day of May, 1989.

Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1991

LEGAL NOTICE

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

Arch Petroleum Inc.

777 Taylor Avenue II-A

Fort Worth, Texas 76102

817/332-9209 (Mr. Paschall)

publicly announces the following intentions:

1) Paschall to inject wash water into wells located on the Redden Yates State Lease, section 36, Township 14S, Range 10E.

2) Production from the Grayhawk well with maximum capacity of 300 barrels per acre foot and 900 PSI.

3) Interested parties must file objections with the Oil Conservation Division, Box 2088, Santa Fe, New Mexico 87501 within 15 days.

Published in the Artesia Daily Press, Artesia, N.M. May 10, 1989.

Legal 12756

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MAY 15 1989

And

OPERATOR	WELL	Comments	Work Log
Morales	Twin Lakes No. 1	Fresh water protected	ok
Jack			
Reuben Yates #40	29, 18, 28E	Fresh water, protected	Yes.
		Formation migration is possible	
Hersey Co Yates #2	33, 18S, 28E	Fresh water, protected	ok
		Zone isolated	
Hersey Co Yates #3	33, 18, 28	Fresh water, protected	ok
		Zone isolated	
Arch. Reuben Yates #12	29, 18S, 28E	Fresh water, protected	ok
Arch. Reuben Yates #4	32, 18, 28	Zone isolated	
		Fresh water, protected	ok
		Zone isolated	
Arch. Reuben Yates #5	32, 18, 28	Fresh water, protected	ok
		Zone isolated	
Arch. Reuben Yates #	49 29, 18, 28	Fresh water, protected	ok
		Zone isolated	
Arch. Reuben Yates #8	29, 18, 28	Fresh water, protected	ok
		Zone isolated	
Arch. Reuben Yates #	48 29, 18, 28		Yes
		Zone isolated	
Arch. Reuben Yates #	348 29, 18, 28	Fresh water, protected	ok
		Zone isolated	