

CSU

LITHO-DENSITY COMP. NEUTRON GR.

CSU

COMPANY: YATES PETROLEUM CORPORATION
 WELLS: DOMINQUE FEDERAL NO. 1
 FIELD: WILDCAT ABB
 COUNTY: EASY
 STATE: NEW MEXICO
 LOCATION: 1000' PHL & 640' PHL
 SEC: 10 TWP: 20S RGE: 84E

PERMITS: DATE: 9 NOV 69 TIME: 10:00
 ELEVATION: 4475.0 F
 CLV. OF PERM. DATUM: 3746.0 F
 LUG MEASURED FROM: 0 F
 MEAS. MEASURED FROM: 0 F

DATE: 9 NOV 69 TIME: 10:00
 ELEVATION: 4475.0 F
 CLV. OF PERM. DATUM: 3746.0 F
 LUG MEASURED FROM: 0 F
 MEAS. MEASURED FROM: 0 F

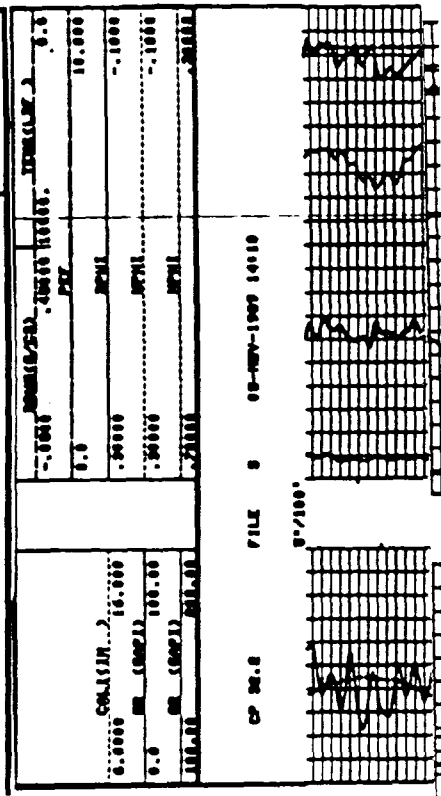
OTHER SERVICES:
 LIST: LITHO-DENSITY
 PROGRAM: TAP: 30.2 SERVICE: 30.2

DEPTH-MILLER: 4475.0 F
 DEPTH-LOGGED: 4475.0 F
 5TH. LUG INTERVAL: 4460.0 F
 TOP LUG INTERVAL: 4460.0 F
 CASING-MILLER: 4460.0 F
 CASING-LOGGED: 4460.0 F
 CASING: 4460.0 F
 MEASUREMENT: 4460.0 F
 BIT SIZE: 7 7/8
 DEPTH: 4475.0 F

CEMENT VOLUME = 274.001 F3 (ASSUMING 5.0000 IN 5.0. CASING)
 MOLE VOLUME = 494.191 F3
 FROM 4475.0 TO 5990.0 FEET

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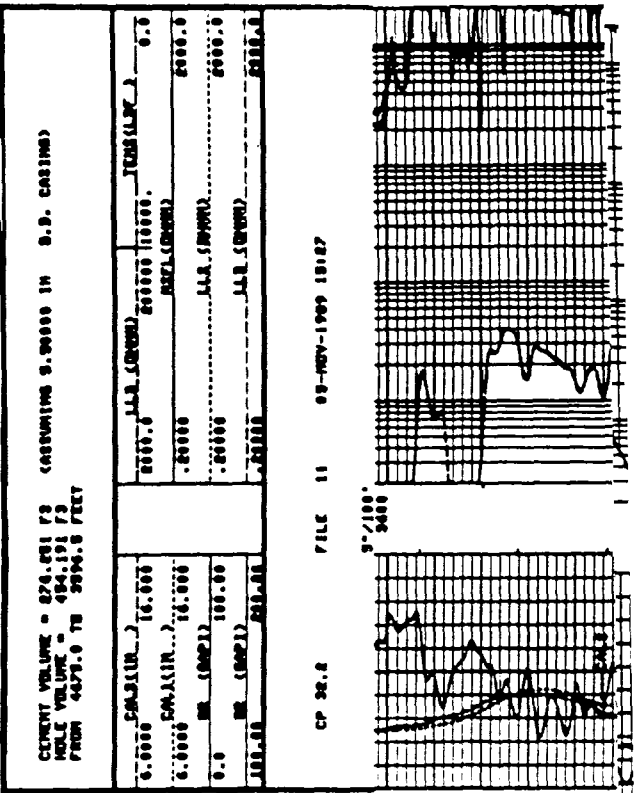


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ILLEGIBLE



YATES PETROLEUM CORPORATION
INJ. INTERVAL 4238'-4522
FORMATION: ABO

#1 BATE FEDERAL WD-1
I 3-20S-24E
EDDY COUNTY, NEW MEXICO
COMPL. DATE: 9/2/89

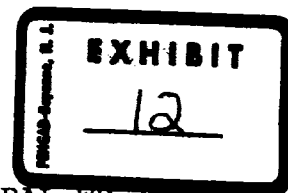
DATE (REPORTED)	BBLs. WATER DISPOSED	CUM BBLs. WATER DISPOSED	AVG. INJ. PRESSURE	YEAR TO DATE (FEB TO JAN)
DECEMBER 1989		286,691		
JANUARY 1990	167,166	453,857	850	1989=453,857
FEBRUARY 1990	175,492	629,349	840	
MARCH 1990	173,821	803,170	1,100	
APRIL 1990	8,619	811,789	1,205	
MAY 1990	54,793	866,582	1,200	
JUNE 1990	104,645	971,227	1,200	
JULY 1990	NO RPEORT	971,227	NO RPEORT	
AUGUST 1990	6,744	977,971	540	
SEPTEMBER 1990	NO REPORT	977,971	NO REPORT	
OCTOBER 1990	10,492	988,463	500	
NOVEMBER 1990	40,579	1,029,042	430	
DECEMBER 1990	24,569	1,053,611	525	
JANUARY 1991	46,688	110,299	640	1990=813,608
FEBRUARY 1991	47,285	1,147,584	500	
MARCH 1991	37,392	1,184,976	660	
APRIL 1991	58,859	1,243,835	785	
MAY 1991	14,787	1,258,622	640	
JUNE 1991	NO REPORT	1,258,622	NO REPORT	
JULY 1991	"	"	"	
AUGUST 1991	"	"	"	
SEPTEMBER 1991	"	"	"	
OCTOBER 1991	"	"	"	
NOVEMBER 1991	"	"	"	

YATES PETROLEUM CORPORATION
 INJ. INTERVAL 4238'-4522
 FORMATION: ABO

#1 BATE FEDERAL WD-1
 I 3-20S-24E
 EDDY COUNTY, NEW MEXICO
 COMPL. DATE: 9/2/89

DATE (REPORTED)	BBLs. WATER DISPOSED	CUM BBLs. WATER DISPOSED	AVG. INJ. PRESSURE	YEAR TO DATE (FEB TO JAN)
DECEMBER 1991	"	"	"	
JANUARY 1992	"	1,258,622	"	1991=158,323
FEBRUARY 1992	"	"	"	
MARCH 1992	"	"	"	
APRIL 1992	"	"	"	
MAY 1992	"	"	"	
JUNE 1992	"	"	"	1992=0

(0 YTD)



YATES PETROLEUM CORPORATION
INJ. INTERVAL 4296'-4596'
FORMATION: ABO

DONAHUE FEDERAL WD-1
E 10-20S-24E
EDDY COUNTY, NEW MEXICO
COMPL. DATE: 02/28/90

DATE (REPORTED)	BBLs. WATER DISPOSED	CUM BBLs. WATER DISPOSED	AVG. INJ. PRESSURE	YEAR TO DATE (FEB TO JAN)
MARCH 1990	14,848	14,848	400	
APRIL 1990	112,418	127,166	600	
MAY 1990	116,015	243,281	820	
JUNE 1990	86,025	329,306	800	
JULY 1990	12,716	342,022	500	
AUGUST 1990	7,206	349,228	500	
SEPTEMBER 1990	321	349,549	500	
OCTOBER 1990	1,256	350,805	500	
NOVEMBER 1990	6,154	356,959	500	
DECEMBER 1990	13,415	370,374	500	
JANUARY 1991	9,994	380,368	600	1990=380,368
FEBRUARY 1991	28,202	408,570	600	
MARCH 1991	46,254	454,824	660	
APRIL 1991	36,633	491,457	675	
MAY 1991	31,854	523,311	965	
JUNE 1991	NO REPORT	523,311	NO REPORT	
JULY 1991	10,140	533,451	695	
AUGUST 1991	NO REPORT	533,451	NO REPORT	
SEPTEMBER 1991	1,299	534,750	535	NO LISTING I
OCTOBER 1991	6,533	541,283	475	
NOVEMBER 1991	4,015	545,298	600	
DECEMBER 1991	4,542	549,840	600	
JANUARY 1992	5,372	555,212	600	1991=174,844
FEBRUARY 1992	NO REPORT	555,212	NO REPORT	

YATES PETROLEUM CORPORATION
INJ. INTERVAL 4296'-4596'
FORMATION: ABO

DONAHUE FEDERAL WD-1
E 10-20S-24E
EDDY COUNTY, NEW MEXICO
COMPL. DATE: 02/28/90

DATE (REPORTED)	BBLs. WATER DISPOSED	CUM BBLs. WATER DISPOSED	AVG. INJ. PRESSURE	YEAR TO DATE (FEB TO JAN)
MARCH 1992	3,086	558,298	403	
APRIL 1992	6,179	564,477	462	
MAY 1992	3,859	568,336	377	

P. O. BOX 1488
MONAHANS, TEXAS 79701
PH. 943-3234 OR 943-1040

Martin Water Laboratories, Inc.

MONAHANS, TEXAS 79701
PHONE 943-4321

RESULT OF WATER ANALYSES

TO: Mr. Kenny Smith LABORATORY NO. 79262
P. O. Box 11390, Midland, TX SAMPLE RECEIVED 7-14-92
RESULTS REPORTED 7-14-92

COMPANY Southwest Royalties, Inc. LEASE _____

FIELD OR POOL _____

SECTION 17 BLOCK _____ SURVEY _____ COUNTY Eddy STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Raw water - taken from water well #1. T-19-S, R-25-E Eddy
NO. 2 _____ County, NM
NO. 3 1.5-2 miles SW of the Southwest Royalties, Inc.
NO. 4 Julie Com #1

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0027			
pH When Sampled				
pH When Received	7.11			
Bicarbonate as HCO ₃	317			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	1,020			
Calcium as Ca	276			
Magnesium as Mg	80			
Sodium and/or Potassium	48			
Sulfate as SO ₄	808			
Chloride as Cl	17			
Iron as Fe	7.5			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	1,546			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0			
Resistivity, ohm-cm at 77° F.	5.30			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	0.9			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

[Signature]
Wayne C. Martin, M. A.

SALT WATER DISPOSAL AGREEMENT



STATE OF NEW MEXICO) (

COUNTY OF EDDY) (

This Salt Water Disposal Agreement is made and entered into this the 20th day of August, 1992, by and between, Howard Howell, joined herein by his wife, Betty Howell, whose mailing address is P. O. Box 75, Lakewood, New Mexico 88254, ("Grantors") and Southwest Royalties, Inc., whose mailing address is P. O. Drawer 11390, Midland, Texas 79702, ("Operator").

Grantors are the owners in fee simple of the surface estate of all land affected by this agreement. Operator desires to convert an existing plugged and abandoned well located upon the subject land to a salt water disposal well. The parties hereto have agreed to the terms and conditions of such salt water disposal.

NOW, THEREFORE, IN CONSIDERATION of the mutual promises herein contained, it is agreed as follows:

I.

Subject to the granting of all approvals required, the Grantors herein grant unto Operator the right to convert and utilize a salt water disposal well upon the subject land, including the right for reentering, reconditioning, and/or reworking, together with the installation of all necessary equipment and machinery, at a previously drilled wellsite located approximately 1,000 feet from the east line and approximately 1,980 feet from the north line of Section 17, Township 19 South, Range 25 East, Eddy County, New Mexico.

II.

The consideration for this agreement shall be paid by Operator unto Grantors at the rate of \$.05 per barrel of water disposed of in the water disposal well which is the subject of this agreement. The water disposal well shall be metered on the 15th day of each month and thereafter on the 15th day of the next month a payment shall be forwarded unto Grantors. It is the express agreement of all parties hereto that a minimum payment of \$833.33 per month shall be made by Operator to Grantors herein in the event the total salt water disposed of does not exceed such figure.

III.

For and in consideration of this agreement and an easement to use the surface of the real estate hereinafter described, the Operator agrees to use the land as follows:

(1) The surface of the land shall be respected and there shall be no damage caused to the surface of the land outside the normal operations of a salt water disposal well, however, under no circumstances shall the location exceed four (4) acres in extent. Operator agrees to construct and maintain around the battery site, a firewall sufficient to retain any spillage that may occur.

(2) Grantors grant unto the Operator the right to construct and use a pipeline upon such land, with such route to be selected by Operator, but such route must be approved by Grantors. The pipeline shall be used for the transportation of salt water to the water disposal well. The Operator shall pay to Grantors the sum of \$15.00 per rod for every rod of pipeline so constructed by the Operator. At Grantors' request, the pipeline shall be buried below the surface of the earth and precaution shall be used to prevent any leakage or spillage concerning the pipeline. The right of way granted in this easement shall not exceed twenty feet in width and shall not unreasonably interfere with any other commercial production upon the land or any road upon the land.

IV.

The aforementioned easement granted unto the Operator shall include Operator's right of ingress and egress to said right of way and shall be limited to vehicles, equipment and pedestrians only. Upon the termination of this agreement, the Operator shall remove from said land all facilities used in connection herewith, including, but not limited to, pipeline storage facilities, injection facilities, fences and retaining walls. The surface shall be returned to as near the same condition as it was prior to this agreement.

V.

The primary term of this agreement shall be for five (5) years from the date of execution. Operator shall have the right to extend this Agreement beyond the primary term of five (5) years, for one additional five (5) year period. Any extension of this Agreement shall become effective when written notification of same has been provided by Operator and properly agreed to by Grantors. Operator may terminate this agreement at its sole discretion any time prior to the expiration of the primary term or any extended term.

VI.

If Operator cannot complete and operate the said well as a salt water disposal well on or before December 1, 1992, this well shall be plugged and abandoned at Operator's expense and this agreement shall be null and void.

VII.

In the event the operation of the subject disposal should ultimately result in the contamination of the fresh water zone in the immediate area, Operator agrees to furnish potable water to Grantors at no cost to Grantors.

VIII.

Operator hereby agrees to indemnify and hold Grantors, their successors and assigns, harmless from and against any and all claims, demands, causes of action, losses, liabilities, and/or expenses (including reasonable attorneys' fees and court costs) incurred in connection with or arising from the ownership, use, and/or operation of the subject disposal well.

IX.

Should operator terminate this agreement for any reason after the initial delivery of produced waste water, but prior to the maturity of the primary term hereinabove described, Operator shall be obligated to pay to Grantors as a termination fee, the sum of One Thousand (\$1,000.00) for each full year left under the primary term.

IT WITNESS WHEREOF, the parties hereto have executed this agreement in duplicate original and this agreement shall become effective on the day first written above.

DATED THIS 25th DAY OF August, 1992.

Howard Howell
Howard Howell, Grantor

Betty Howell
Betty Howell, Grantor

SOUTHWEST ROYALTIES, INC.

ATTEST: [Signature]
Jon P. Tate, Secretary

BY: [Signature]
H.H. Wommack, III, President

STATE OF NEW MEXICO) (

COUNTY OF EDDY) (

This instrument was acknowledged before me on this the 28 day of August, 1992, by Howard Howell and Betty Howell, husband and wife.

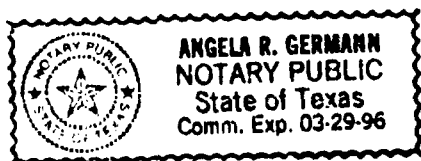
[Signature]
Notary Public

My Commission expires
6/3/94

STATE OF TEXAS) (

COUNTY OF MIDLAND) (

This instrument was acknowledged before me this 25th day of August, 1992, by H. H. Wommack, III, President of Southwest Royalties, Inc., on behalf of said corporation.



[Signature]
Notary Public

KELLAHIN AND KELLAHIN

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2285

SANTA FE, NEW MEXICO 87504-2285

TELEPHONE (505) 982-4285

TELEFAX (505) 982-2047

W. THOMAS KELLAHIN*

*NEW MEXICO BOARD OF LEGAL SPECIALIZATION
RECOGNIZED SPECIALIST IN THE AREA OF
NATURAL RESOURCES-OIL AND GAS LAW

JASON KELLAHIN (RETIRED 1991)

FACSIMILE COVER SHEETDATE: September 15, 1992TIME: 4:30TO: William J. LeMay/Michael StognerOF: Oil Conservation DivisionFAX NO.: 827-5741RE: NMOCD Case No. 10559Application of SouthwestRoyaltiesNUMBER OF PAGES: 4
(including cover sheet)FROM: W. Thomas Kellahin**SPECIAL INSTRUCTIONS:**☐ URGENT☐ FOR YOUR INFORMATION☐ FOR YOUR REVIEW☐ PLEASE REPLY☐ FOR YOUR APPROVAL☐ PER YOUR REQUESTMESSAGE: Our PreHearing Statement on behalf of Conoco, Inc.in the above case follows. The original and two copieswill follow by mail.A HARD COPY ☒ WILL ☐ WILL NOT FOLLOW BY U.S. MAIL.

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

APPLICATION OF SOUTHWEST ROYALTIES,
INC. FOR SALT WATER DISPOSAL, EDDY
COUNTY, NEW MEXICO.

CASE NO. 10559

PRE-HEARING STATEMENT

This pre-hearing statement is submitted by CONOCO INC.
as required by the Oil Conservation Division.

APPEARANCE OF PARTIES

APPLICANT

Southwest Royalties, Inc.
407 North Big Spring
Midland, Texas 79701
Attn: Mr. Jon Tate

ATTORNEY

Paul Cooter, Esq
P. O. Box 1357
Santa Fe, New Mexico 87501
(505) 984-0100

OPPOSITION OR OTHER PARTY

CONOCO INC.
10 Desta Drive West
Midland, TX 79702
ATTN: Jerry Hoover

ATTORNEY

W. Thomas Kellahin
KELLAHIN & KELLAHIN
P.O. Box 2265
Santa Fe, NM 87504
(505) 982-4285

Pre-Hearing Statement
Case No. 10559
Page 2

STATEMENT OF CASE

APPLICANT

SEE APPLICANT FILING

OPPOSITION OR OTHER PARTY

Conoco, Inc. (Conoco) is opposed to Southwest Royalties, Inc. seeking to dispose of water produced from the Cisco Formation into an interval that they have designated as the Abo Formation.

The designated interval for disposal identified by Southwest Royalties as the Abo Formation would be more appropriately designated as the Bone Spring. The Bone Spring as it moves into the Delaware Basin is hydrocarbon productive, but has not been tested at this location yet.

Therefore, disposal in this interval has the potential of either being a poor disposal zone or of damaging possible hydrocarbon producing zones.

PROPOSED EVIDENCE

APPLICANT

WITNESSES

EST. TIME

EXHIBITS

SEE APPLICANT FILING

OPPOSITION

WITNESSES

EST. TIME

EXHIBITS

Bill Hardie
Geologist

45 min.

Approx. 3

Pre-Hearing Statement
Case No. 10559
Page 3

PROCEDURAL MATTERS

None at this time.

KELLAHIN and KELLAHIN

By: 

W. Thomas Kellahin

P.O. Box 2265

Santa Fe, New Mexico 87504

(505) 982-4285

ATTORNEYS FOR CONOCO INC.

phst915b.089