Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

BUREAU OF LAND MANAGEMENT		5. Lease Designation and Serial No.
$\mathbf{R} = \mathbf{O}$		NM801
Do not use this form for proposals to dri	AND REPORTS ON WELLS: 333 Il or to deepen or reentry to a different reservoir R PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
SUBMIT &		7. If Unit or CA, Agreement Designation
1. Type of Well		8. Well Name and No.
X Oil Gas Well Other		
2. Name of Operator SOUTHWEST ROYALTIES, INC.		EILLIAMS #8 9. API Well No.
3. Address and Telephone No. P.O. BOX 11390, MIDLAND, TEXAS 79702 (915) 686-9927 ext 307		30-025-26185 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		MALJAMAR GB-SA 11. County or Parish, State
SEC. 34, T-17S, R-33E 2310' FNL AND 330' FEL		LEA COUNTY, NM
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTIO	
Notice of Intent	Abandonment	Change of Plans
Notice of Intent	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
Suosequent Report	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
E. Final Adamdoninem Nonce	Other	X Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
give subsurface locations and measured and true vert	OF FRODUCID WITH THE	OLLOWING:
WAIER TROBUCTION TOTAL		
DAILY WATER PRODUCTION: 182 Bb/s.		
D CO11 7		e men
A COPY OF ORDER NO.: R-6811-A LOCO HILLS WATER DISPOSAL SW/4 SEC. 16, T-17S, R-30E EDDY COUNTY, NM		in the second of
	TRUCKING	<u>င်</u>
water analysis affac	hed	53 5
14. I hereby certify that the foregoing is true and correct	Title REGULATORY ASST.	Date 5/25/95 Date 6/30/95
Signed AUG CCCT		
(This space for Eederal or State-office use)	Title PETROLEUM ENGINEER	6/30/95
Approved by Orig. Signed by Shannon J. Shav	Title Fig. 3 of the Executed Statement	Date
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UCL SUBLES
OFFICE

OTE CORSERVATION DIVISION

AUG 3 1982

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

O. C. D.

ARTESIA, OFFICE

CASE NO. 7329 <u>DE NOVO</u> Order No. R-6811-A

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 14, 1982, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 29th day of July, 1982, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Loco Hills Water Disposal Company, seeks an order permitting the installation of a commercial salt water disposal facility whereby salt water would be disposed of into 15 acres of unlined surface pits to be located in the SW/4° of Section 16, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico.
- (3) That the matter came on for hearing at 9 a.m. on September 23, 1981, at Santa Fe, New Mexico, before Examiner Richard L. Stamets and, pursuant to this hearing, Order No. R-6811 was issued on October 30, 1981, which denied Loco Hills Water Disposal Company's application.
- (4) That on November 25, 1981, application for Hearing De Novo was made by Loco Hills Water Disposal Company and the matter was set for hearing before the Commission.

JUL v i 1995 JUD HOBBS OFFICE Case No. 7329 <u>D' No.o</u> Order No. R-6811-A

- (5) That the matter came postor hearing de novo on July 14, 1982.
- (6) That Order (3) of Division Order No. R-3221, as amended, prohibits in that area encompassed by Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, the disposal, subject to minor exceptions, of water produced in conjunction with the production of oil or gas, or both, on the surface of the ground, or in any pit, pond, lake, depression, draw, streambed, or arroyo, or in any watercourse, or in any other place or in any manner which would constitute a hazard to any fresh water supplies and said disposal has not previously been prohibited.
- (7) That the aforesaid Order No. R-3221 was issued in order to afford reasonable protection against contamination of fresh water supplies designated by the State Engineer through disposal of water produced in conjunction with the production of oil or gas, or both, in unlined surface pits.
- (8) That the State Engineer has designated, pursuant to Section 65-3-11 (15), N.M.S.A., 1953 Compilation, all underground water in the State of New Mexico containing 10,000 parts per million or less of dissolved solids as fresh water supplies to be afforded reasonable protection against contamination; except that said designation does not include any water for which there is no present or reasonably foresceable beneficial use that would be impaired by contamination.
- (9) That the applicant seeks an exception to the provisions of the aforesaid Order (3) of Division Order No. R-3221, as amended, to permit the commercial disposal of produced salt water into the aforesaid pits at the site described above.
- (10) That the applicant proposes to install and operate an effective system, composed of holding and separating tanks, and a skimming pit, for the removal of oily and solid wastes from the waters to be disposed of into said system.
- (11) That there is no fresh water in the immediate vicinity of said disposal system, but there are wells producing fresh water some nine miles south of the proposed disposal pits.
- (12) That the native soils underlying said pits will permit the vertical percolation of some of the waters disposed of in said system.

OEFICE OCロ いつはほう 1885 Case No. 7329 <u>Déj. 1040</u> Order No. R-6811-A

- (13) That the vertical percolation of waters from said system should not endanger any fresh waters.
- (14) That to ensure that waters perculating from said pits move only vertically, monitor wells should be drilled in a pattern as shown on Exhibit "A" designed to detect horizontal movement of water from said disposal area.
- (15) That in the event salt water is detected in any monitor well, Case No. 7329 should be reopened within 90 days to permit applicant to appear and show cause why the authority to use said pits for water disposal should not be rescinded.
- (16) That the maximum volume of produced water to be disposed of through said system should not exceed 2500 barrels per acre per month.
- (17) That a freeboard of a minimum of three feet should be maintained at all times.
- (18) That the granting of the application will not cause waste or impair correlative rights.

IT IS THEREFORE ORDERED:

- (1) That the applicant, loco Hills Water Disposal Company, is hereby authorized to install and operate a 15-acre commercial salt water disposal facility to be located in the SW/4 of Secsalt water disposal facility to be located in the SW/4 of Secsalt water disposal facility to be located in the SW/4 of Secsalt water disposal facility to be limited to the maximum disposal New Mexico, said system to be limited to the maximum disposal of 2500 barrels per acre per month.
- (2) That the operator shall install tanks and a skimming pit, sufficient to ensure that oil or other deleterious substances will not enter the disposal pits in harmful quantities.
- (3) That a freeboard of a minimum of three feet will be maintained on all pits at all times.
- (4) That monitor wells, as shown on Exhibit "A" attached to and made a part of this order, shall be drilled and equipped with perforated or slotted tubing/casing from a depth of four feet to total depth.
- (5) That said monitor wells will be tested monthly to check for migration of the disposed salt water thereto and the results of these tests will be promptly delivered to the Artesia District Office of the Oil Conservation Division.

OCD HOBBS

Order No. R-681184

- (6) That if disposed salt water is detected in any monitor well, Case 7329 will be reopened, within 90 days, to permit the applicant to appear and show cause why the disposal authority granted by this order should not be rescinded.
- (7) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

EMERY C. ARNOLD, Chairman

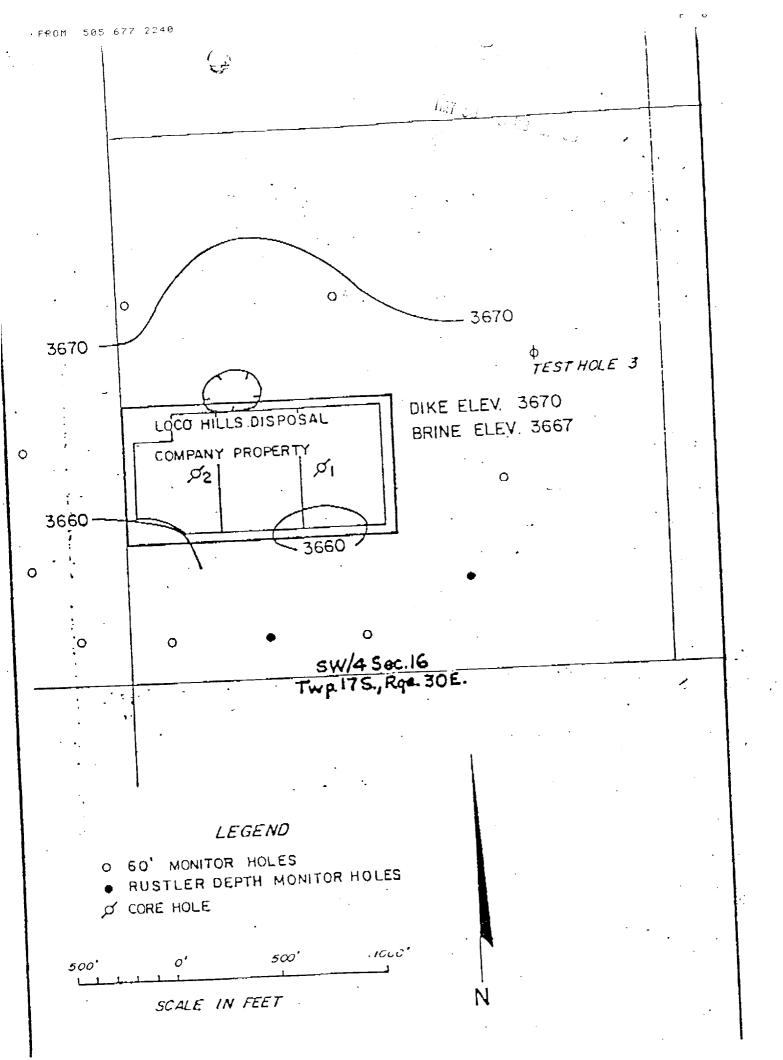
ALEX J. ARMIJO, Member

JOE D. RAMEY, Member & Secretary

SEAL

fd/ .

JUL 1 1995 UCD HUBBS OFFICE



UDD MUBBB OFFICE FOR RELEASE: Oct. 4 1992

CONTACT: Howard Parman at 505-622-9042

Mar 31 news Release

UNITED STATES DEPARTMENT

of the

INTERIOR

Roswell District, P. O. Box 1397, Roswell, New Mexico 88202

BLM RELEASES PRODUCED WATER ENVIRONMENTAL ASSESSMENT

The Bureau of Land Management's Roswell District released the Final Produced Water Disposal Environmental Assessment (EA) today. The EA analyzes the impact of disposing produced water from federal oil and gas leases at three privately owned disposal facilities.

The privately owned facilities are Controlled Recovery, Inc., Loco Hills and Parabo. All three facilities man-made structures. With the release of this Final EA, BLM will approve permits to dispose of produced water from federal leases into these three facilities. Twenty-five permits have been pending the release of the EA.

Produced water disposal from federal oil and gas leases must be covered by environmental documentation, regardless of the location, method or ownership of the disposal facility.

Copies of the Final Produced Water Disposal Environmental Assessment are available at the Roswell District Office, 1717 W. Second, Roswell, NM. Questions about the EA should be directed to Jim Pettengill at 505-622-9042.

END.

OCD HOBRS

.O.BOX 2187 HOBBS, N.M. 88240



Report for: Nelson Patton

cc: Al Perry

cc: Allan Childs

cc:

Company: Southwest Royalities

Address:

Service Engineer:

Date sampled: 05/16/95 Date reported: 05/24/95

Lease or well # : Eilliams #8

County: State:

Formation:

Depth:

Submitted by: Al Perry

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	117000	3300
Iron (Fe) (total)	3.0	
Total hardness	13600	
Calcium (Ca)	2646	132
Magnesium (Mg)	1701	137
Bicarbonates (HCO3)	634	10
Carbonates (CO3)	0	
Sulfates (SO4)	5062	105
Hydrogen sulfide (H2S)	n/a	
Hydrogen suffice (n23)	n/a	
Carbon dioxide (CO2)	72394	3148
Sodium (Na)	199439	
Total dissolved solids		
Barium (Ba)	n/a	
Strontium (Sr)	n/ā	

Specific Gravity	1.142
Density (#/gal.) pH	9.517
	6.200
TONIC STRENGTH	3.60

Stiff-Davis (CaCO3) Stability Index: SI = pH - pCa - pAlk - K

> SI @ 86 F = +0.28 104 F = +0.51 122 F = +0.77 140 F = +1.06 158 F = +1.38

This water is 868 mg/l (13.76%) over ITS CALCULATED CaSO4 saturation value at 82 F. SATURATION= 6307 mg/L PRESENT= 7175 mg/L

REPORTED BY JOY DUNCAN

LAB TECHNICIAN

JUL 0 6 1995 OCD HOBBE OFFICE