

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an
abandoned well Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Phillips Petroleum Company

3a. Address

5525 Highway 64, NBU 3004, Farmington, NM 87401

3b. Phone No. (include area code)

505-599-3454

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit M, 854' FSL & 1303' FWL
Section 26, T31N, R8W

5. Lease Serial No.

NM-012641

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Blanco Unit

8. Well Name and No.

Blanco #204R

9. API Well No.

30-045-28776

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan NM

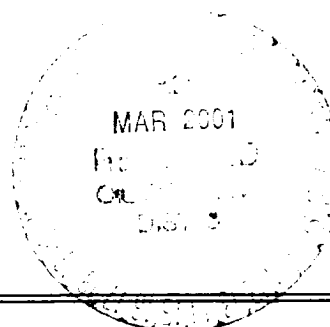
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Phillips is requesting permission to dispose of the subject well's produced water off lease. A water analysis and copy of the State issued permit for the Disposal Facility are attached, as well as other information the BLM will need to grant this approval.

DGF
Send E-mail
to catanach as
requested by Frank Chavez.



2001 MAR -2 PM 4:40

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Patsy Clugston

Title

Sr. Regulatory/Proration Clerk

Date

3/1/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.

NMOC

PHILLIPS PETROLEUM COMPANY
5525 Hwy. 64
Farmington, NM 87401

Application to dispose of water off lease into an approved Water Disposal Well on the subject well

Well Name: Blanco #204R
Legal Location: Unit M, 854' FSL & 1303' FWL, Section 26, T31N, R8W
API Number: 30-045-28776
Lease Number: NM-012641
County in NM: San Juan

1. Name of formation producing water on the lease. Basin Fruitland Coal
2. Amount of water produced from all formations in barrels per day. 11 bwpd
3. **Attached** a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and concentrations of chlorides and sulfates.
4. How water is stored on the lease. **3** – 500 bbl water tanks
5. How water is moved to the disposal facility. The water is piped to the Pump Mesa SWD No. 1. The tanks are equipped with a electric Halliburton MCII flow-meter which records the production and when the tank reaches a pre-determined limit it triggers a valve to open and the water is pumped through the pipeline to Pump Mesa SWD #1.
6. Identify the Disposal Facility by:
 - a. Facility Operators Name: Devin
 - b. Name of facility or well name and number. Pump Mesa SWD No. 1
 - c. Type of facility or well (WDW) (WIW), etc. WDW
 - d. Location by ¼ ¼, Section, Township, and Range. 990' FSL & 1600' FWL (Unit N) Sec. 36, T31N, R8W
X
7. **Attached** a copy of the State issued permit for the Disposal Facility.

Water Analysis Report by Baker Petrolite

PHILLIPS PETROLEUM

BLANCO
WELL #204 R

Account Manager
CRAIG SMITH

Summary		Analysis of Sample 25264 @ 75°F					
Sampling Date	9/12/00	Anions	<i>mg/l</i>	<i>meq/l</i>	Cations	<i>mg/l</i>	<i>meq/l</i>
Analysis Date	9/19/00	Chloride	1569	44.3	Sodium	4109	179
Analyst	JOANNA RAGAN	Bicarbonate	8436	138	Magnesium	17.0	1.40
		Carbonate	0.00	0.00	Calcium	27.0	1.35
TDS (mg/l or g/m³)	14256.2	Sulfate	23.0	0.48	Strontium	14.0	0.32
Density (g/cm³ or tonne/m³)	1.013	Phosphate	N/A	N/A	Barium	35.0	0.51
Anion/Cation Ratio	1.00	Borate	N/A	N/A	Iron	1.00	0.04
		Silicate	N/A	N/A	Potassium	25.0	0.64
Carbon Dioxide					Aluminum	N/A	N/A
Oxygen					Chromium	N/A	N/A
					Copper	N/A	N/A
		pH at time of sampling		7.60	Lead	N/A	N/A
		pH at time of analysis			Manganese	N/A	N/A
		pH used in Calculations		7.60	Nickel	N/A	N/A

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbl										
Temp.	Gauge Press.	Calcite CaCO3		Gypsum CaSO4.2H2O		Anhydrite CaSO4		Celestite SrSO4		Barite BaSO4		CO2 Press.
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0.	0.90	20.1	-3.43		-3.50		-1.92		1.60	16.8	2.46
100	0.	0.95	20.5	-3.48		-3.48		-1.91		1.45	16.2	3.46
120	0.	1.01	20.9	-3.52		-3.44		-1.89		1.32	15.6	4.76
140	0.	1.06	21.2	-3.55		-3.38		-1.87		1.22	15.0	6.44

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.



GARREY CARRUTHERS
GOVERNOR

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

503

Well file

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

ORDER NO. SWD-366

APPLICATION OF BLACKWOOD & NICHOLS COMPANY, LTD.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

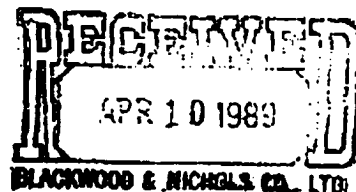
Under the provisions of Rule 701(B), Blackwood & Nichols Company, Ltd. made application to the New Mexico Oil Conservation Division on March 3, 1989, for permission to complete for salt water its Northeast Blanco Unit Well No. 503, located in Unit N, of Section 36, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations.
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified; and
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.
- (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

- (1) The applicant herein, Blackwood & Nichols Company, Ltd. is hereby authorized to complete its Northeast Blanco Unit Well No. 503 located in Unit N of Section 36, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Morrison and Entrada formations at approximately 8100 feet to approximately 9100 feet through 3 1/2-inch plastic lined tubing set in a packer located at approximately 8050 feet.



BLACKWOOD & NICHOLS CO., LTD.

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Blackwood & Nichols Company, Ltd.
March 30, 1989
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IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

Prior to commencing injection operations into the well, the operator shall obtain a water sample from the Morrison and Entrada formations and shall cause said samples to be analyzed, with the results sent to the Santa Fe Office of the Division.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 1620 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Morrison and Entrada formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Aztec district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Aztec district office of the Division of the failure of the tubing, casing or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of

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Blackwood & Nichols Company, Ltd.
March 30, 1989
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the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 29th day of March, 1989.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


for WILLIAM J. LEMAY
Director

S E A L



BRUCE KING
GOVERNOR

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

POST OFFICE BOX 2068
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5900

April 29, 1991

Blackwood & Nichols Co.
PO Box 1237
Durango, Co. 81302-1237

Attention: Jim Abbey

RE: *Injection Pressure Increase
Pump Mesa SWD No. 1
San Juan County, New Mexico*

Dear Mr. Abbey:

Reference is made to your request dated April 9, 1991, to increase the surface injection pressure on the Pump Mesa SWD Well No. 1. This request is based on a step rate test conducted on the well on April 2, 1991. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well.

WELL AND LOCATION

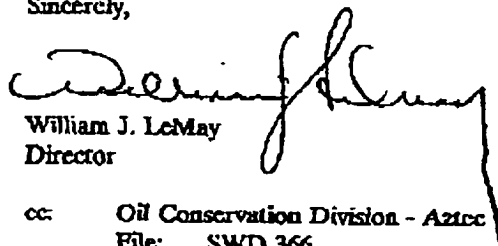
MAXIMUM INJECTION
SURFACE PRESSURE

Pump Mesa SWD No. 1
990' FSL & 1600'FWL (Unit N)
Section 36, T-31 North, R-8 West, NMPM
San Juan County, New Mexico

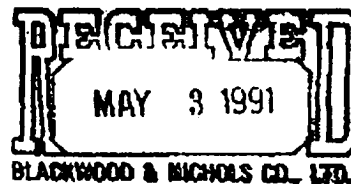
2250 PSIG

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,


William J. LeMay
Director

cc: Oil Conservation Division - Aztec
File: SWD 366
D. Catanach
R. Brown



Location #: BLANK # 204R Date: 11/22/2000 Inspector: FM

Equipment	Size/cap model #	Mfgr.	Serial # or Meter #	Idle (Y/N)	Comments:	
Production Unit	50" X 10' 2-P HORIZONTAL	TESCO	803571	NO		
Dehy Sep.						
Dehy Reboiler						
Dehy Contractor						
Meter Run	850" X 500"	TOTALFLOW	A65044-14	NO		
Compressor	FIBREL	WARRICK	C-12667/3	NO		
Pumping Unit		GRIFFIN	96058	NO	PUMPS & SERVICES	
Tanks/Pit Tanks					Leak Det, (Y/N)	Comments:
TANK #1	500 bbl	PERMIAN	24730	NO	YES	
TANK #2	500 bbl	PERMIAN	24777	NO	YES	
TANK #3	500 bbl	PERMIAN	24773	NO	YES	

Surplus Equipment - Phillips

Equipment	Size/cap	MFGR	Serial #	Idle (Y/N)	Leak Det. (Y/N)	Comments:

Other Equipment Non-Phillips (separators, dehydrators, pits)

Equipment	Owner of equipment	Active/Inactive	Idle (Y/N)	Comments:

	Hi-low Valve	Choke Valve	Misc.	Comments:
Pipe Size				
Trim Size				
MFGR				