



Water Analysis Report

10/20/2011

COPY

Address:

Customer: OXY USA
Attention: Van Barton

Lease: Green Bean
Formation:
Salesman: Jeromie Pickering

CC:

Target Name: Green Bean Federal 1

Sample Point: Green Bean Federal 1

Sample Date: 09/29/2011

Test Date: 10/14/2011

Water Analysis(mg/L)

Calcium	
Magnesium	
Barium	
Strontium	
Sodium(calc.)	2048
Bicarbonate Alkalinity	219.6
Sulfate	42
Chloride	3000
Resistivity	

Appended Data(mg/L)

CO2	330
H2S	1.71
Iron	
Oxygen	
Manganese	

Physical Properties

Ionic Strength(calc.)	0.09
pH(calc.)	5.81
Temperature(°F)	
Pressure(psia)	
Density	

Additional Data

Specific Gravity	
Total Dissolved Solids(Mg/L)	
Total Hardness(CaCO3 Eq Mg/	

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

Calculation Method	Value
CO2 in Brine(mg/L)	330

Remarks:

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SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)		
Gypsum (Calcium Sulfate)		
Hemihydrate (Calcium Sulfate)		
Anhydrite (Calcium Sulfate)		
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

30-015-31386

Lab Tech.: *Manda Henry*

30-015-31386

ORIGINAL
COPY

SUBJECT: SALT WATER DISPOSAL WELL

ORDER NO. SMD-180

THE APPLICATION OF A. H. RAINS FOR
A SALT WATER DISPOSAL WELL,

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701 (C), A. H. Rains made application to the New Mexico Oil Conservation Commission on December 13, 1976, for permission to complete for salt water disposal his Exxon State Well No. 8 located in Unit O of Section 15, Township 21 South, Range 27 East, NMPM, Lea County, New Mexico.

The Secretary-Director finds:

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

IT IS FURTHER ORDERED:

That the applicant herein, A. H. Rains, is hereby authorized to complete its Exxon State Well No. 8 located in Unit O of Section 15, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Yates formation at approximately 570 feet to approximately 600 feet through 2 3/8 inch plastic lined tubing set in a packer located at approximately 565 feet.

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.

That 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.

That the operator shall notify the supervisor of the Commission's Artesia District Office before injection is commenced through said well.

That the operator shall immediately notify the supervisor of the Commission's Artesia Office of the failure of the tubing, casing, or packer in said well or the leakage of water from or around said well and shall take such steps as may be timely or necessary to correct such failure or leakage.



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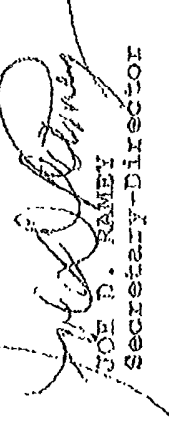
Salt Water Disposal - A. E. Pains

PROVIDED FURTHER

that jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Commission may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operation in accordance with Rule 704 and 1120 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 31st day
of December.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


JOE D. RAMEY
Secretary-Director

S E A L