CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: Bridwell Well: State # No. 3

Contact: _____ Title: _____ Phone: _____

DATE IN _____ RELEASE DATE _____ DATE OUT _____

Proposed Injection Application is for: ___ **WATERFLOOD** ___ Expansion ___ Initial

Original Order: R- _____ ___ Secondary Recovery ___ Pressure Maintenance

SENSITIVE AREAS ✓ **SALT WATER DISPOSAL** ___ Commercial Well

___ WIPP ___ Capitan Reef

Data is complete for proposed well(s)? X Additional Data Req'd _____

AREA of REVIEW WELLS

7 Total # of AOR 1 # of Plugged Wells

✓ Tabulation Complete ✓ Schematics of P & A's

✓ Cement Tops Adequate ___ AOR Repair Required

INJECTION FORMATION

Injection Formation(s) _____ Compatible Analysis _____

Source of Water or Injectate _____

PROOF of NOTICE

✓ Copy of Legal Notice ___ Information Printed Correctly

✓ Correct Operators ___ Copies of Certified Mail Receipts

___ Objection Received ___ Set to Hearing _____ Date

NOTES: _____

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? ___

COMMUNICATION WITH CONTACT PERSON:

1st Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

2nd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

3rd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

SWD 4/28/98

BRIDWELL OIL COMPANY

OIL PRODUCERS

810 8TH STREET

WICHITA FALLS, TEXAS
76301
(940) 723-4351

J. S. BRIDWELL
ESTATE

MAIL ADDRESS
P.O. DRAWER 1830
76307

107

April 8, 1998

Mr. David Catanach
New Mexico Oil Conservation Division
2040 Pacheco Street
Santa Fe, New Mexico 87505

Mr. Catanach:

Enclosed is an application for authorization to inject with accompanying attachments. We respectfully request that this application be considered for administrative approval. It is our intention to convert an existing oil well completed in the San Andres to injection, and dispose of produced water from 2 other San Andres wells into the existing completion. The purpose of requesting this arrangement is the economic consideration of keeping the remaining 2 wells profitable, given that they produce less than 10 barrels of oil per day combined. In order for this production to remain commercial, the initial conversion cost must be kept at a minimum by using the existing zone. The proposed disposal into the productive zone would not be for the purpose of flooding or pressure maintenance. Thank you for your consideration of this request. Please call with any questions.

Sincerely,

Steve Ginnings
Petroleum Engineer

STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Oil Conservation Div.
2040 Pacheco St.
Santa Fe, NM 87505

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: ____ Secondary Recovery ____ Pressure Maintenance __X__ Disposal ____ Storage
Application qualifies for administrative approval? __X__ Yes ____ No

II. OPERATOR: Bridwell Oil Company

ADDRESS: P.O. Drawer 1830

CONTACT PARTY: Steve Ginnings PHONE: 940/723-4351

III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project: ____ Yes __X__ No
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 sources 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: Steve Ginnings TITLE: Engineer

SIGNATURE: Steve Ginnings DATE: 3/10/98

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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, PO Box 2088, Santa Fe, NM 87504-2088 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.

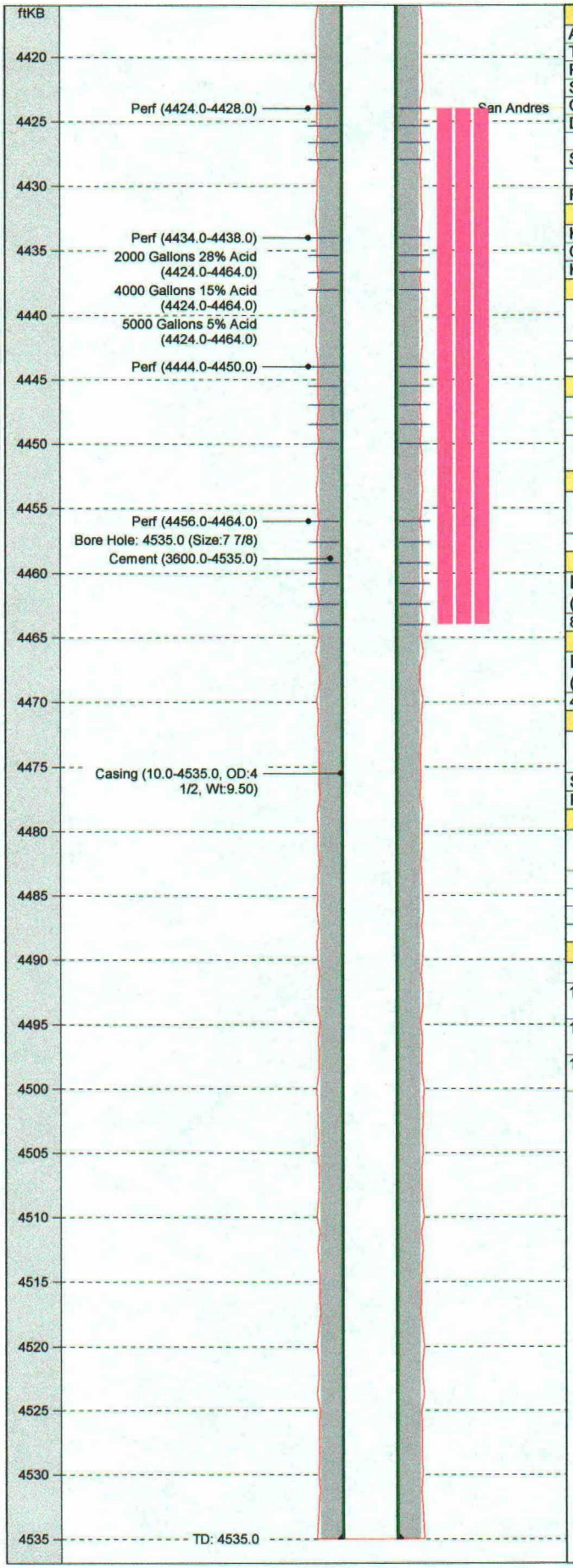
WELL DATA

Lease Name:	New Mexico State 8
Well Number:	3
Location:	Section 8, T9S, R33E
Footage:	1980' FNL & 1980' FWL
Surface Casing:	8.625" x 28# set at 373', 250 sacks cement, cement top ground level
Production Casing:	4.5" x 9.5# set at 4535', 250 sacks cement, cement top 3800'
Cement Top:	Calculated, 50% efficiency assumed
Tubing:	2.375" x 4.7# Salta lined, set within 50' of top perforation
Packer:	Baker tension type, set within 50' of top perforation

Injection Formation:	San Andres Dolomite, Flying -M- Field
Injection Interval:	4424' through 4464', perforated
Well Purpose:	Originally oil production
Other Perforations:	None
Other Oil Zones:	None

New Mexico -8- 3

4/6/98



New Mexico -8- 3

API Number			
TD	4535.0 ftKB		
PBTD	4535.0 ftKB		
State	Lea, New Mexico	Permit	
Operator	Bridwell Oil Company	Spud	10/18/72
Drilling Permit		Total Depth	10/26/72
		Rig Release	
Status	Active Oil	Completion	11/3/72
		Abandon	
Field	Flying -M-		

Elevations

KB	4400.0 ft	Cas Flng	0.0 ft
Grd	4390.0 ft	Tub Head	0.0 ft
KB-Grd	10.0 ft		

Bore Hole Data

Depth (ftKB)	Size (in)
373.0	12 1/4
4535.0	7 7/8

Logs Run

Date	Type	Int	Company
10/25/72	CAV	373.0 - 4529.0	Welex
10/31/72	CCL/GR	4200.0 - 4485.0	Welex

Formation/Horizon Tops

Top (ftKB)	Formation
4424.0	San Andres

Casing String - Surface

Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
8 5/8 in Casing	373.0		8 1/64	28.00		

Casing String - Production

Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
4 1/2 in Casing	4535.0		4 3/32	9.50		

Casing Cement

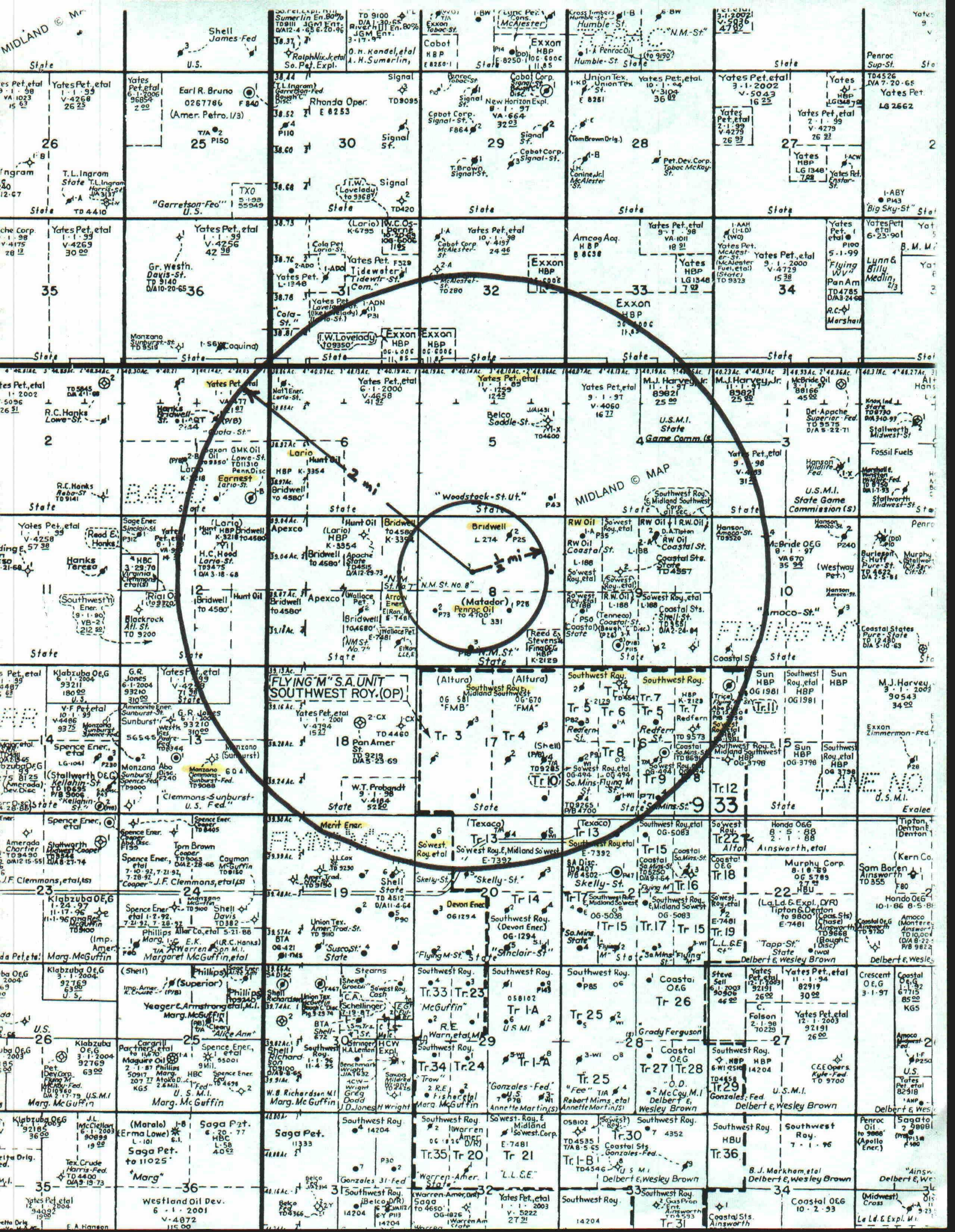
Casing String	Top (ftKB)	Amount (sx)	Comments
Surface	10.0	250	
Production	3600.0	250	

Perforations

Date	Int	Shots (/ft)	Type
11/1/72	4424.0 - 4428.0	2.0	
11/1/72	4434.0 - 4438.0	2.0	
11/1/72	4444.0 - 4450.0	2.0	
11/1/72	4456.0 - 4464.0	2.0	

Stimulations & Treatments

Date	Type	Zone	Int	Fluid	Comments
11/1/72	5000 Gallons 5% Acid		4424.0 - 4464.0		
11/1/72	4000 Gallons 15% Acid		4424.0 - 4464.0		
11/1/72	2000 Gallons 28% Acid		4424.0 - 4464.0		



MIDLAND © MAP
2 mi
1/2 mi
"Woodstock-St. Ut."
FLYING "M" S.A. UNIT
SOUTHWEST ROY. (OP)
Earl R. Bruno
0267786
(Amer. Petro. 1/3)
"Garretson-Fed"
U.S.
Rhonda Oper.
E 8253
Cabot Corp.
New Horizon Expl.
Exxon
HBP
Yates Pet., etal
Yates Pet.
Yates HBP
Bridwell
L 274
Penroc Oil
to 4100'
L 331
(Matador)
N.M. St. No. 8
Lario
Hunt Oil
Apexco
Belco
Saddle-St.
M.J. Harvey, Jr.
U.S.M.I.
State
Game Comm. (S)
RW Oil
Coastal St.
Coastal Sts.
Southwest Roy.
Sun
HBP
Pan Amer
Monzano
Spence Ener.
Merit Ener.
Devon Ener.
Shell
Skelly-St.
Ainsworth, etal
Murphy Corp.
Southwest Roy.
Delbert & Wesley Brown
Saga Pet.
Westland Oil Dev.
Marg. McGuffin
Coastal O&G
U.S.M.I.
State

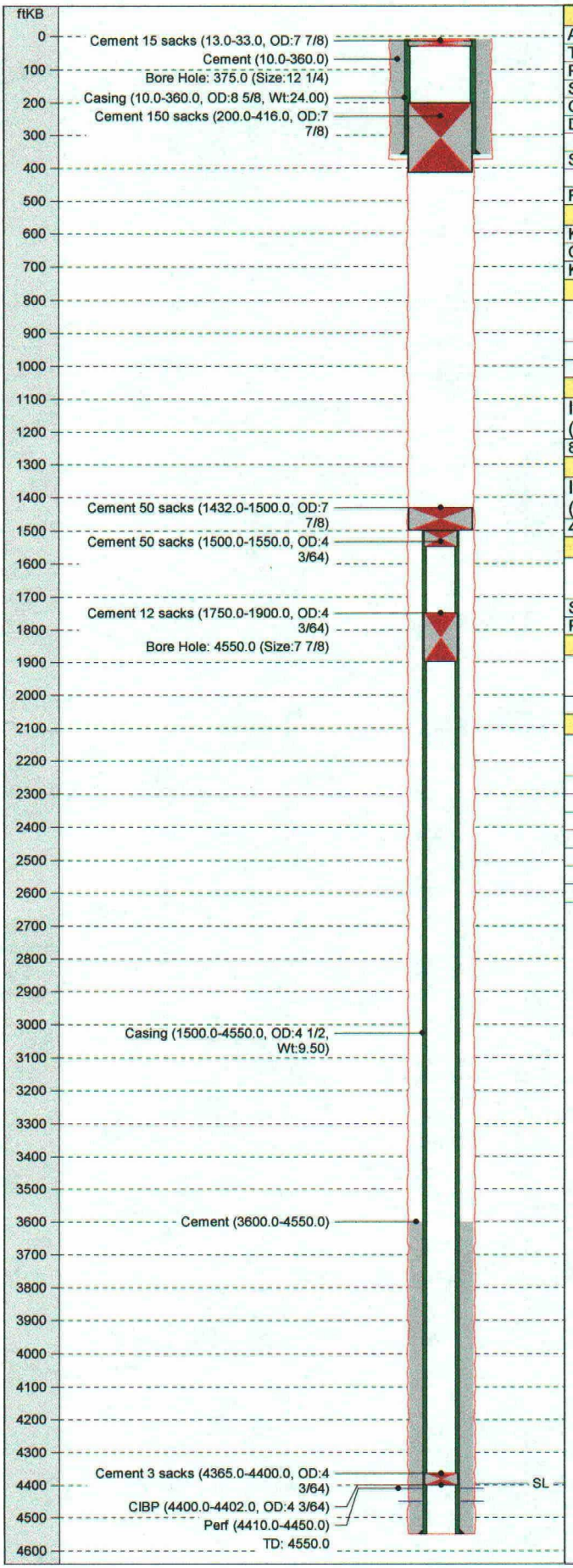
Bridwell Oil Company
Application for Disposal Permit
State 8 #3
Lea County

Table of Wells Within ½ Mile

Operator	Well Name	Location	Date Drilled	Total Depth	Status	Casing	Perforations & Treatment
Bridwell Oil Co.	State 7 #1	7-9S-33E	March, 1973	4,480'	Active Oil	8.625" @ 372' / 4.5" @ 4,480'	4,396' - 4,450' 6,000 gal acid
	State 8 #1	8-9S-33E	July, 1972	4,527'	Active Oil	8.625" @ 373' / 4.5" @ 4,527'	4,426' - 4,484' 11,000 gal acid
	State 8 #2	8-9S-33E	August, 1972	4,550'	Plugged	8.625" @ 360' / 4.5" @ 4,550'	4,434' - 4,448' 500 gal acid
	State 8 #3	8-9S-33E	October, 1972	4,535'	Active Oil	8.625" @ 373' / 4.5" @ 4,535'	4,424' - 4,464' 11,000 gal acid
Penroc Oil Co.	State 8 #1	8-9S-33E	October, 1972	4,600'	Active Oil	8.625" @ 362' / 4.5" @ 4,600'	4,410' - 4,450' 6,000 gal acid
	State 8 #2	8-9S-33E	April, 1974	4,500'	Active Oil	8.625" @ 800' / 4.5" @ 4,500'	4,385' - 4,425' 130 sks sand
	State 8 #3	8-9S-33E	June, 1975	4,512'	Active Oil	8.625" @ 364' / 4.5" @ 4,508'	4,396' - 4,434' 11,000 gal acid

New Mexico -8- 2

4/6/98



New Mexico -8- 2

API Number	30-025-24248		
TD	4550.0 ftKB		
PBTD	13.0 ftKB		
State	Lea, New Mexico	Permit	
Operator	Bridwell Oil Company	Spud	9/24/72
Drilling Permit		Total Depth	10/2/72
		Rig Release	
Status	Plugged & Abandoned	Completion	11/10/72
		Abandon	8/1/80
Field	Flying -M-		

Elevations

KB	4396.0 ft	Cas Flng	0.0 ft
Grd	4386.0 ft	Tub Head	0.0 ft
KB-Grd	10.0 ft		

Bore Hole Data

Depth (ftKB)	Size (in)
375.0	12 1/4
4550.0	7 7/8

Casing String - Surface

Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
8 5/8 in Casing	360.0		8 3/32	24.00		

Casing String - Production

Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
4 1/2 in Casing	4550.0		4 3/32	9.50		

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface	10.0	275	
Production	3600.0	350	

Perforations

Date	Int	Shots (/ft)	Type
10/10/72	4410.0 - 4450.0	2.0	

Other (plugs, equip., etc.) - Plug & Abandon

Date	Item	Int (ftKB)
8/1/90	Cement 15 sacks	13.0 - 33.0
8/1/90	Cement 150 sacks	200.0 - 416.0
8/1/90	Cement 50 sacks	1432.0 - 1500.0
8/1/90	Cement 50 sacks	1500.0 - 1550.0
8/1/80	Cement 12 sacks	1750.0 - 1900.0
7/29/80	Cement 3 sacks	4365.0 - 4400.0
7/29/80	CIBP	4400.0 - 4402.0

OPERATION DATA

Average Injection Rate:	150 barrels per day
Maximum Injection Rate:	300 barrels per day
System Type:	Closed
Average Injection Pressure:	1500 psi
Maximum Injection Pressure:	2,200 psi
Water Source:	San Andres Dolomite
Receiving Formation:	San Andres Dolomite (re-injection of produced water)

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Bridwell
Lease : N. Mex. St.
Well No. : # 8
Salesman:

Sample Loc. :
Date Analyzed: 26-January-1998
Date Sampled : 01-January-1998

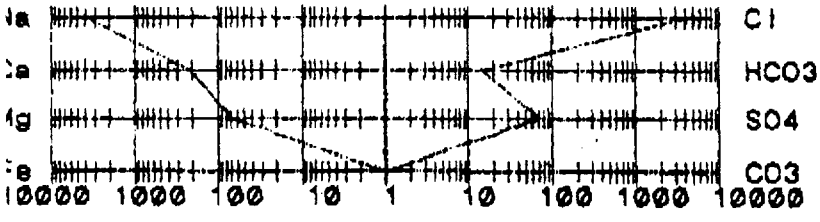
Produced San Andres Water.

ANALYSIS

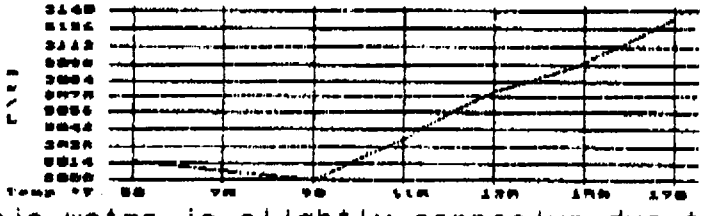
1.	pH	6.310	
2.	Specific Gravity 60/80 F.	1.158	
3.	$CaCO_3$ Saturation Index @ 80 F.	+1.072	
	@ 140 F.	+2.572	

	Dissolved Gasses	MG/L	EQ. WT.	*MEQ/L
4.	Hydrogen Sulfide	30		
5.	Carbon Dioxide	365		
6.	Dissolved Oxygen	Not Determined		
	Cations			
7.	Calcium (Ca^{++})	4,143	/ 20.1 =	206.12
8.	Magnesium (Mg^{++})	794	/ 12.2 =	65.08
9.	Sodium (Na^{+}) (Calculated)	88,437	/ 23.0 =	3,845.09
10.	Barium (Ba^{++})	Not Determined		
	Anions			
11.	Hydroxyl (OH^{-})	0	/ 17.0 =	0.00
12.	Carbonate ($CO_3^{=}$)	0	/ 30.0 =	0.00
13.	Bicarbonate (HCO_3^{-})	879	/ 61.1 =	14.39
14.	Sulfate ($SO_4^{=}$)	3,450	/ 48.8 =	70.70
15.	Chloride (Cl^{-})	142,988	/ 35.5 =	4,027.27
16.	Total Dissolved Solids	240,871		
17.	Total Iron (Fe)	5	/ 18.2 =	0.25
18.	Total Hardness As $CaCO_3$	13,612		
19.	Resistivity @ 75 F. (Calculated)	0.001 /cm.		

LOGARITHMIC WATER PATTERN
*meq/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L.
$Ca(HCO_3)_2$	81.04	14.39	1,166
$CaSO_4$	68.07	70.70	4,812
$CaCl_2$	55.50	121.04	6,718
$Mg(HCO_3)_2$	73.17	0.00	0
$MgSO_4$	60.19	0.00	0
$MgCL_2$	47.62	65.08	3,099
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	3,841.15	224,554

*Milli Equivalents per Liter

This water is slightly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts, and the presence of H_2S, CO_2 in solution.

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Medellin
Lease : Windmill
Well No. : East
Salesman :

New Mexico Lobos

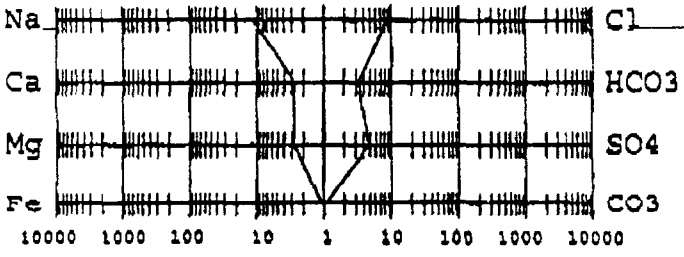
Sample Loc. :
Formation :
Date Analyzed: 25-March-1998

ANALYSIS

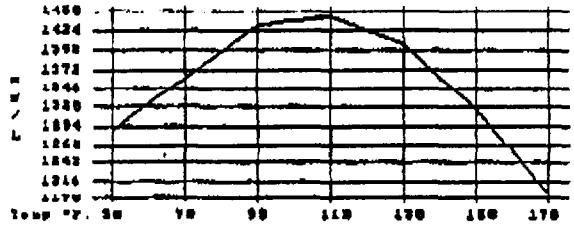
Fresh Water

1.	pH			7.180		
2.	Specific Gravity 60/60 F.			1.003		
3.	$CaCO_3$ Saturation Index		@ 80 F.	-0.443		
			@ 140 F.	+0.257		
	Dissolved Gasses			**MG/L**	**EQ. WT.**	***MEQ/L**
4.	Hydrogen Sulfide			Not Present		
5.	Carbon Dioxide			Not Determined		
6.	Dissolved Oxygen			Not Determined		
	Cations					
7.	Calcium	(Ca^{++})		52	/ 20.1 =	2.59
8.	Magnesium	(Mg^{++})		32	/ 12.2 =	2.62
9.	Sodium	(Na^{+})	(Calculated)	253	/ 23.0 =	11.00
10.	Barium	(Ba^{++})		Below 10		
	Anions					
11.	Hydroxyl	(OH^{-})		0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)		0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})		195	/ 61.1 =	3.19
14.	Sulfate	($SO_4^{=}$)		220	/ 48.8 =	4.51
15.	Chloride	(Cl^{-})		300	/ 35.5 =	8.45
16.	Total Dissolved Solids			1,052		
17.	Total Iron (Fe)			2	/ 18.2 =	0.08
18.	Total Hardness As $CaCO_3$			260		
19.	Resistivity @ 75 F. (Calculated)			2.919 /cm.		

LOGARITHMIC WATER PATTERN
*meq/L.



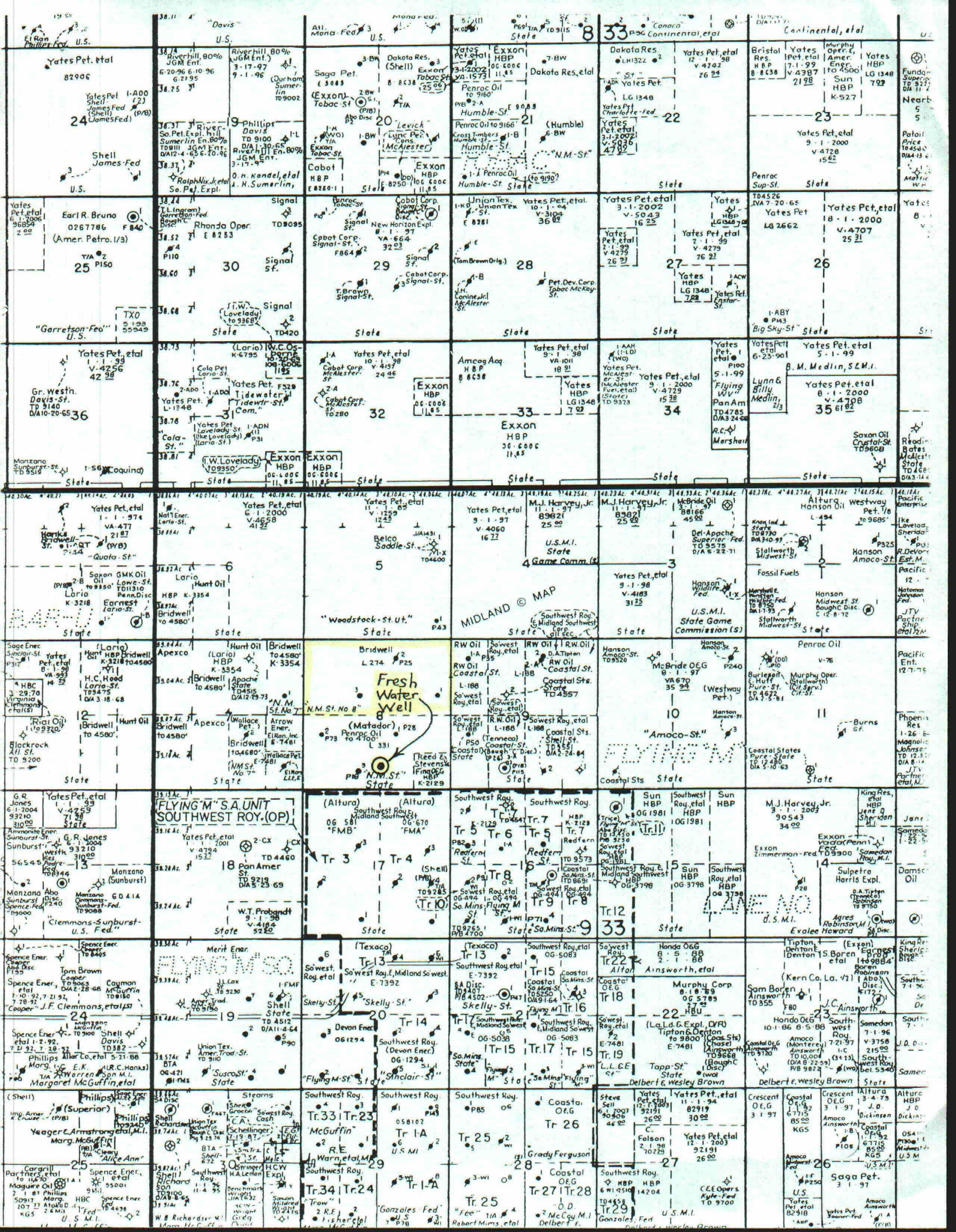
Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION				
COMPOUND	EQ. WT.	X	*meq/L	= mg/L.
$Ca(HCO_3)_2$	81.04		2.59	210
$CaSO_4$	68.07		0.00	0
$CaCl_2$	55.50		0.00	0
$Mg(HCO_3)_2$	73.17		0.60	44
$MgSO_4$	60.19		2.02	121
$MgCL_2$	47.62		0.00	0
$NaHCO_3$	84.00		0.00	0
$NaSO_4$	71.03		2.49	177
NaCl	58.46		8.45	494

*Milli Equivalents per Liter

This water is mildly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts in solution.


MIDLAND © MAP
Fresh Water Well
"Amoco-St."
"Woodstock-St.Ut."
"Quota-St"
"Garretson-Fee"
"N.M. St. No 8"
"N.M. St. No 7"
"Flying M-St."
"Skelly-St."
"Sinclair-St"
"McGuffin"
"Fee"
"Alice Ann"
"Flying M SO."
"FLYING "M" S.A.UNIT SOUTHWEST ROY.(OP)"
Yates Pet.etal 82906
Shell James-Fed
Earl R. Bruno 0267786 F 840 (Amer. Petro. 1/3)
Gr. Westn. Davis-St. TD 9140 D/A 10-20-65 36
Rhonda Oper. E 8253
Signal TD9095
Signal St.
Signal TD420
Tidewater Tidewtr-St. Com.
Lovelady to 9350'
Exxon HBP OG-6006 11,85
Amoco Acq. HBP B 8638
Yates Pet.etal 9-1-98 VA-1011 18 91
Yates HBP LG 1348 7 02
Yates Pet.etal 9-1-99 "Flying WV" Pan Am TD 4785 D/A 3-24-66
Yates Pet.etal 3-1-2002 V-5043 16 25
Yates Pet.etal 9-1-2000 V-4729 15 38
Yates Pet.etal 2-1-99 V-4279 26 93
Yates HBP LG 1348 7 02
Yates Pet.etal 6-23-90
Yates Pet.etal 5-1-99 B. M. Medlin, SLM.I.
Yates Pet.etal 8-1-2000 V-4708 35 61 02
Lynn & Billy Medlin, 2/3
Saxon Oil Crystal-St. TD 9608
Yates Pet.etal 6-1-2006 96854 2 00
Yates Pet.etal 1-1-99 V-4256 42 98
Manzano Sunburst-St. TD 9518
Cola-St.
Yates Pet. L-1348
Yates Pet. Lovelady-St. (Ike Lovelady) (Lario-St.)
J.W. Lovelady TD 9350'
Exxon HBP OG-6006 11,85
Cabot Corp. McAlester-St. TD 2780
Yates Pet.etal 10-1-98 V-4197 24 46
Cabot Corp. Signal-St.
New Horizon Expl. 8-1-97 VA-664 32 03
Cabot Corp. Signal-St.
T. Brown Signal-St.
Union Tex. 1-KD Union Tex St. E 8281
Yates Pet.etal 10-1-04 V-3104 36 00
(Tom Brown Orlg.)
J.H. Conine, Jr. McAlester St.
Pet. Dev. Corp. Tabac McKay St.
Yates Pet.etal 3-1-2002 V-5043 16 25
Yates Pet.etal 2-1-99 V-4279 26 93
Yates HBP LG 1348 7 02
Yates Pet.etal 2-1-99 V-4279 26 93
Yates HBP LG 1348 7 02
Yates HBP LG 1348 7 02
Yates Pet. 2-1-2000 V-4707 25 31
Yates Pet. LG 2662
1-ABY P143 "Big Sky-St"
Penroc Sup-St.
Yates Pet.etal 9-1-2000 V-4728 15 62
Bristol Res. HBP B 8638
Yates Pet.etal 7-1-99 V-4387 21 98
Murphy Oper. & Amer. Ener. to 4500'
Sun HBP K-527
Yates HBP LG 1348 7 02
Dakota Res. LH1322
Yates Pet. LG 1348
Yates Pet. Charlotte-Fed.
Yates Pet.etal 3-1-2002 V-5036 47 02
Dakota Res. E 8088
Penroc Oil to 9160'
Humble-St
Penroc Oil to 9166'
Cross Timbers Humble-St.
Humble-St
1-A Penroc Oil Humble-St.
(Humble) 6-BW "N.M.-St" (to 9190')
Exxon HBP OG-6006 11,85
Saga Pet. E 8083
(Exxon) Tabac-St
Dakota Res. (Shell) Exxon Tabac St. (25 00)
Abo Disc P2
Lovick Lunc Pet. Cons. McAlester
Cabot HBP E 8250-1
Penroc Tabac-St.
Signal St.
Cabot Corp. Signal-St.
Cabot Corp. McAlester-St. F864
T. Brown Signal-St.
Cabot Corp. Signal-St.
Cabot Corp. McAlester-St. TD 2780
Exxon HBP OG-6006 11,85
Riverhill, 80% JGM Ent. 6-20-96 6-10-96 6-27-95
Riverhill, 80% JGM Ent. 3-17-97 9-1-96
(Durham Sumerlin TD 9002)
Riverhill En. 80% JGM Ent. D/A 12-4-95 6-20-96
Riverhill En. 80% JGM Ent. 3-17-95
Ralph Nix, Jr. etal So. Pet. Expl.
Phillips Davis TD 9100 D/A 1-30-65
O. H. Kendel, etal A. H. Sumerlin,
Shell James-Fed
Shell-James Fed (2) (P/B)
1-A00
Yates Pet.etal 82906
Yates Pet. Shell-James Fed (James Fed)
Shell James-Fed
Earnest Lario-St.
Lario K-3218
Saxon GMK Oil TD 9350'
Lowe-St. TD 11310 Penn. Disc
Hunt Oil HBP K-3354
Bridwell to 4580'
Bridwell to 4580'
Nat'l Ener. Lario-St.
Belco Saddle-St.
Yates Pet.etal 11-1-69 V-1159 12 49
Yates Pet.etal 6-1-2000 V-4658 41 92
Yates Pet.etal 1-1-97 VA-477 21 87
Hanka Bridwell-St.
Yates Pet.etal 9-1-97 V-4060 16 77
M.J. Harvey, Jr. 11-1-97 89621 25 00
U.S.M.I. State Game Comm. (S)
M.J. Harvey, Jr. 11-1-97 89621 25 00
Yates Pet.etal 9-1-98 V-4183 31 25
McBride Oil 8-1-97 88166 45 00
Del-Appche Superior Fed. TD 9575 D/A 5-22-71
Hanson Wildlife Fed.
U.S.M.I. State Game Commission (S)
Alturo Hanson Oil L-494
Westway Pet. T/B to 9685'
Knox Ind. State TD 8730 D/A 10-30-97
Stallworth Midwest-St
Hanson Amoco-St.
Fossil Fuels
Marshall E. Hanson Midwest Fed. TD 8150 D/A 1-7-93
Hanson Midwest St. Bought Disc. C 12-8-72
Stallworth Midwest-St
Sage Ener. Sinclair-St.
Yates Pet.etal 8-1-98 VA-993
HBC 3-29-70 Virginia Clemmons etal (SI)
Rial Oil 1 to 9320
Blackrock All St. TD 9200
(Lario) Hunt Oil HBP K-3218 to 4580'
H.C. Hood Lario-St. TD 9475 D/A 3-18-68
Hunt Oil
Bridwell to 4580'
Apexco
(Lario) HBP K-3354
Hunt Oil to 4580' K-3354
Bridwell to 4580'
Apache State TD 4515 D/A 12-29-73
Bridwell to 4580'
Apexco
(Wallace Pet.) Bridwell to 4680'
Arrow Ener. El Ran, Inc. E-7481
Wallace Pet. E-7481
El Ran, LLC, E
Bridwell L 274 P25
(Matador) Penroc Oil to 4700' L 331
Reed & Stevens Fina OCG HBP K-2129
RW Oil Coastal St. L-188
So'west Roy, etal
RW Oil D.A. Tipton
RW Oil Coastal St.
Coastal Sts. State TD 4557
RW Oil L-188
So'west Roy, etal
(Tenneco) Coastal-St. (Baugh Disc.) D/A 3-8-61
RW Oil L-188
So'west Roy, etal
Coastal Sts. Shell-St. TD 355 D/A 2-24-61
Hanson Amoco-St. TD 9520
McBride OEG 8-1-97 VA 670 35 94
(Westway Pet.)
Penroc Oil
(Burlesque Huff Pure-St. 4622 D/A 2-5-83)
Murphy Oper. (Stallworth) (Cit. Serv.) Cit.-St.
Coastal States Pure-State TD 12 480 D/A 5-10-63
Burns St.
Sage Ener. Sinclair-St.
Yates Pet.etal 8-1-98 VA-993
HBC 3-29-70 Virginia Clemmons etal (SI)
Rial Oil 1 to 9320
Blackrock All St. TD 9200
H.C. Hood Lario-St. D/A 3-18-68
Hunt Oil
Bridwell to 4580'
Apexco
Bridwell to 4580'
Apache State TD 4515 D/A 12-29-73
Bridwell to 4580'
Apexco
Wallace Pet. Bridwell to 4680'
Arrow Ener. El Ran, Inc. E-7481
Wallace Pet. E-7481
El Ran, LLC, E
Bridwell L 274 P25
(Matador) Penroc Oil to 4700' L 331
Reed & Stevens Fina OCG HBP K-2129
RW Oil Coastal St. L-188
So'west Roy, etal
RW Oil D.A. Tipton
RW Oil Coastal St.
Coastal Sts. State TD 4557
RW Oil L-188
So'west Roy, etal
(Tenneco) Coastal-St. (Baugh Disc.) D/A 3-8-61
RW Oil L-188
So'west Roy, etal
Coastal Sts. Shell-St. TD 355 D/A 2-24-61
Hanson Amoco-St. TD 9520
McBride OEG 8-1-97 VA 670 35 94
(Westway Pet.)
Penroc Oil
(Burlesque Huff Pure-St. 4622 D/A 2-5-83)
Murphy Oper. (Stallworth) (Cit. Serv.) Cit.-St.
Coastal States Pure-State TD 12 480 D/A 5-10-63
Burns St.
G.R. Jones 6-11-2004 93210 310 00
Yates Pet.etal 1-1-99 V-4759 71 98
Ammonite Ener. Sunburst-St.
G.R. Jones 6-1-2004 93210 310 00
Manzano (Sunburst) Abo Disc P240
Manzano Clemmons-Sunburst-Fed. TD 9088
Clemmons-Sunburst-U.S. Fed."
Yates Pet.etal 1-1-2001 V-4794 15 27
2-CX TD 4460
Pan Amer St. TD 9219 D/A 5-23-69
W.T. Probandt 9-1-98 V-4184 52 20
(Altura) Southwest Roy, & Midland Southwest 06-581 "FMB"
(Altura) Southwest Roy, & Midland Southwest 06-670 "FMA"
Southwest Roy. Tr 7 TD 9543
Southwest Roy. Tr 7 HBP K-2129 Redfern
Tr 3 Tr 4 Tr 5 Tr 6 Tr 7 Redfern St. Tr 8 Tr 9 Tr 10
(Shell) (P/B) TD 9285
Southwest Roy. Tr 11
Sun HBP 06 1981
Southwest Roy, etal HBP 06 1981
Sun HBP 06 1981
Southwest Roy, & Midland Southwest HBP 06-3798
Sun HBP 06-3798
Southwest Roy, etal HBP 06 3798
Tr 12 33
M.J. Harvey, Jr. 3-1-2003 90543 34 00
Exxon Zimmerman-Fed.
Exxon Yador (Penn) TD 9900
Sulpetro Harris Expl.
D.A. Tipton (Tenneco) Robinson TD 9150
Agres Robinson, M.I. (two)
Evalee Howard
King Res., etal HBP Jane O. Sheridan M.I.
Damson Oil
Phoenix Res. 1-26 B Magnolia Johnson TD 12,5 D/A 8-14
JTV Partnership etal, M.I.
Yates Pet.etal 1-1-99 V-4759 71 98
Ammonite Ener. Sunburst-St.
G.R. Jones 6-1-2004 93210 310 00
Manzano Abo Sunburst Spence-Fed TD 9000
Manzano Clemmons-Sunburst-Fed. TD 9088
Clemmons-Sunburst-U.S. Fed."
Yates Pet.etal 1-1-2001 V-4794 15 27
2-CX TD 4460
Pan Amer St. TD 9219 D/A 5-23-69
W.T. Probandt 9-1-98 V-4184 52 20
(Altura) Southwest Roy, & Midland Southwest 06-581 "FMB"
(Altura) Southwest Roy, & Midland Southwest 06-670 "FMA"
Southwest Roy. Tr 7 TD 9543
Southwest Roy. Tr 7 HBP K-2129 Redfern
Tr 3 Tr 4 Tr 5 Tr 6 Tr 7 Redfern St. Tr 8 Tr 9 Tr 10
(Shell) (P/B) TD 9285
Southwest Roy. Tr 11
Sun HBP 06 1981
Southwest Roy, etal HBP 06 1981
Sun HBP 06 1981
Southwest Roy, & Midland Southwest HBP 06-3798
Sun HBP 06-3798
Southwest Roy, etal HBP 06 3798
Tr 12 33
M.J. Harvey, Jr. 3-1-2003 90543 34 00
Exxon Zimmerman-Fed.
Exxon Yador (Penn) TD 9900
Sulpetro Harris Expl.
D.A. Tipton (Tenneco) Robinson TD 9150
Agres Robinson, M.I. (two)
Evalee Howard
King Res., etal HBP Jane O. Sheridan M.I.
Damson Oil
Spence Ener. Cooper TD 8405
Spence Ener. Abo Disc F155
Tom Brown Cooper TD 8063 D/A 2-28-68
Cayman McGuffin TD 9150
Spence Ener. etal 7-10-92, 7-21-92, 7-28-92 "Cooper" J.F. Clemmons, etal (S)
Manzano McGuffin TD 9300
Shell Davis TD 3382
Phillips Allar Co. etal 5-21-88 Marg. "C" E.K. (U.R.C. Hanks) T/A Warren-Son M.I. Margaret McGuffin, etal
Merit Ener. "FLYING SO."
Lax TD 9230
Amer. Trad. TD 9150
Shell State TD 4512 D/A 11-4-64
Union Tex. Amer. Trad.-St. TD 9110
Susco-St.
BTA 06-421 (1-FMS)
Devon Ener. 06 1294
Southwest Roy. (Devon Ener.) 06-1294
(Texaco) Tr 13 Tr 14 Tr 15 Tr 16 Tr 17 Tr 18 Tr 19 Tr 20
So'west Roy, etal
So'west Roy, & Midland So'west E-7392
Southwest Roy, etal 06-5083
Coastal So. Mins.-St. 05250 D/A 9-1-64
Coastal So. Mins.-St. 06-5038
Southwest Roy, & Midland So'west 06-5083
So. Mins State
So'west Roy. Tr 22 Alton
Honda OEG 8-5-88 2-1-88 Ainsworth, etal
Coastal OEG Tr 18
Murphy Corp 8-10-89 OG 5769
(La. Ld. & Expl., O/R) Tipton & Denton to 9800' (Coas. Sts) (Chase) Ainsworth TD 9668 (Bough C Disc.)
Tapp-St. State
Delbert E. Wesley Brown
Tipton, Denton Denton
S. Boren, etal
(Exxon) Earnest Gregory Fed. TD 9864
Boren Robinson Abo Disc. F172
Sam Boren Ainsworth TD 355
Hondo OEG 10-1-86 8-5-88
Amoco (Montrey) Ainsworth TD 10,000 (D/A 8-22-59) P/B 9822
Samedan 7-1-96 V-3758 215 00
South-West Roy. Bel. 5340
Delbert E. Wesley Brown
Spence Ener. etal 1-2-92, 7-21-92, 7-28-92
Shell Davis TD 3382
Phillips Allar Co. etal 5-21-88 Marg. "C" E.K. (U.R.C. Hanks) T/A Warren-Son M.I. Margaret McGuffin, etal
Shell Richardson Son TD 9100 D/A 8-8-65
Union Tex. Schellinger Disc. D/A 3-23-74
BTA Shell-672
Stearns Shell Grocer So'west Roy. C.A. Cash (Schellinger) E.G.
Shell Richardson Son TD 9100 D/A 8-8-65
Southwest Roy. 1-1-96 11-4-95 H.A. Lemon Bench Mark W-901 J.M.A. T-32
HCW Expl. Saxon Mildred W TD 2415
Shell (Superior) Phillips
Yeager & Armstrong etal, M.I. Marg. McGuffin
Cleary "Alice Ann"
Cargill Partners, etal to 11-6-70 Maguire Oil 2-1-87 Phillips 50917 107 77 2.6 Mi. KGS
Spence Ener. etal 55001 9 Mi.
HBC Spence Ener. 4638
Fed
U.S.M.I.
Southwest Roy. Tr 33 Tr 23 "McGuffin" R.E. Warn, etal, M.I. Tr 34 Tr 24 "Trow" J.R.E.
Southwest Roy. Tr 1-A U.S.M.I.
Gonzales Fed
Southwest Roy. P85 Tr 25 "Fee" T/A Robert Mims, etal
Coastal OEG Tr 26 Grady Ferguson Tr 27 Tr 28 O.D. McCoy M.I. Delbert E.
Steve Sell 6-20-2002 90306 46 00
Yates Pet.etal 12-1-2003 92191 26 00
C. Folson 2-1-98 10229
Yates Pet.etal 12-1-2003 92191 26 00
Southwest Roy. HBP 6 W1 2510 TD 4558 Tr 29 Gonzales Fed
HBP 14204
C.E.E. Opers. Kyle-Fed TD 9700
U.S.M.I.
Crescent OEG 3-1-97
Coastal OEG 3-1-92 67715 85 00 KGS
Crescent OEG 3-1-97
Altura 3-4-73 J.D. Dickinson
Amoco Ainsworth 1-B P105
Coastal OEG 1-1-92 67715 85 00 KGS
Amoco Ainsworth
Amoco Fed
Yates Pet. 82918
Saga Pet. 3-1-97 P250
Yates Pet. Spooner Fed
Amoco Ainsworth
Altura HBP J.D. Dickinson
U.S.M.I.

AFFIRMATIVE STATEMENT

I, Steve Ginnings, do hereby state the following based on information received from the Hobbs Office of the New Mexico Oil Conservation Division.

1. The Ogalala Aquifer is the only fresh water source in the area of the well for which this application is being made.
2. No known faults or other hydrologic connection exists between the San Andres Dolomite (disposal zone) and the Ogalala Aquifer.

Steve Ginnings

Steve Ginnings

4/8/98

Date

PROOF OF NOTICE

OFFSET OPERATOR

OFFSET OPERATOR

OFFSET OPERATOR

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Arrow Energy Corp.
8144 Walnut Hill, Suite 998
Dallas, Texas 75231

4a. Article Number
Z 241 214 111

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery 3/12/98

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X Cynthia Reeves

PS Form **3811**, December 1994 102595-97-B-0179 Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Penroc Oil Corporation
P.O. Box 5970
Hobbs, NM 88251

4a. Article Number
Z 241 214 112

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery 3-16-98

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X B Rice

PS Form **3811**, December 1994 102595-97-B-0179 Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Yates Oil & Gas Company
P.O. Box 1717
Midland, Texas 79702

4a. Article Number
Z 241 214 102

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery MAR 30 1998

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

PS Form **3811**, December 1994 102595-97-B-0179 Domestic Return Receipt

PROOF OF NOTICE

SURFACE OWNER

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Mr. Lynn Medlin
General Delivery
Tatum, New Mexico 88267

4a. Article Number
Z 241 214 092

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
3-16-98

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)
X Katie Medlin

PS Form 3811, December 1994 Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

March 13 1998

and ending with the issue dated

March 13 1998

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 13th day of

March 1998

Jodi Henson

Notary Public.

My Commission expires
October 18, 2000
(Seal)

LEGAL NOTICE
March 13, 1998

Bridwell Oil Company, Post Office Box 1830, Wichita Falls, Texas, 76307 is submitting an application to the New Mexico Oil Conservation Division for an injection permit on the New Mexico 8 State Lease, well number 3. This well is located 1,980 feet from the north line and 1,980 feet from the west line of Section 8, Township 9 South, Range 33 East, Flying -M- field, Lea County. The purpose of this injection well will be disposal of produced water from the Bridwell New Mexico 7 and 8 State leases into the San Andres Formation at an average depth of 4,444 feet. It is anticipated that approximately 150 barrels of saltwater per day will be injected into the San Andres at a maximum pressure of 2,200 pounds per square inch. Interested parties must file objections or requests for hearing with the Oil Conservation Division, Post Office Box 2088, Santa Fe, New Mexico, 87504-2088 within 15 days. Questions regarding this application may be directed to Steve Ginnings, Bridwell Oil Company representative, at 940/723-4351 or bridwell@wf.net.
#15790

RECEIVED

MAR 2 3 1998

BRIDWELL OIL CO.

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

01103055000 01518271

Bridwell Oil Company
PO Drawer 1830
WICHITA FALLS, TX 76307