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WRITER:

Gary W. Larson,
Partner
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May 13, 2010

VIA HAND DELIVERY

Florene Davidson
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Case 14494

RECEIVED OGD
2010 MAY 13 P 4:50

Re: VPR Operating Application

Dear Florene:

As you requested, I am enclosing a copy of the application for approval of a waterflood pilot project that I filed on behalf of VPR Operating on February 16, 2010.

Thank you for your attention to this matter.

Sincerely,

Gary W. Larson
Gary W. Larson

GWL:js
Encl.

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: VPR OPERATING, LLC

ADDRESS: 1406 CAMP CRAFT RD, SUITE 106, AUSTIN, TX 78746

CONTACT PARTY: ROBERT PULLEN PHONE: (512) 327-8776

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

IV. Is this an expansion of an existing project? _____ Yes ☒ 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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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: Robert B. Pullen, Sr. TITLE: Sr. Vice-President

SIGNATURE: [Signature] DATE: February 3, 2010

E-MAIL ADDRESS: bob@vproperating.com

* 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 circumstances of the earlier submittal: _____

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 the 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, 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.

INJECTION WELL DATA SHEET

OPERATOR: _____

WELL NAME & NUMBER: _____

WELL LOCATION: _____

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATA
Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

*See Exhibits III A and III B

INJECTION WELL DATA SHEET

Tubing Size: _____ Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes _____ No

If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

EXHIBIT III. A. (1)

C-108 FILING

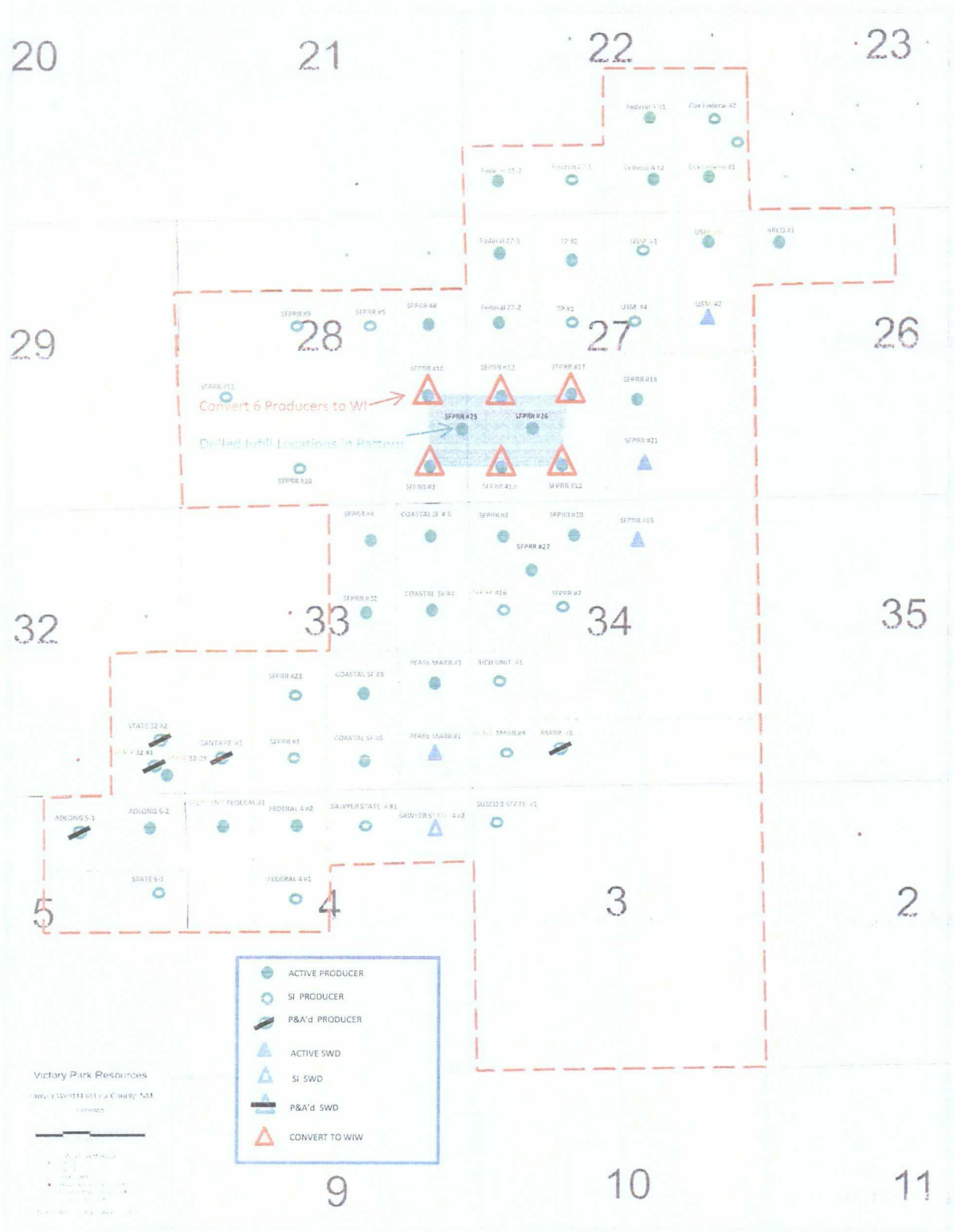
VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

LEASE NAME	WELL NO.	SEC.	TWN	RGE	FT	F/	FT	F/	COUNTY	STATE
SFPRR	18	28	95	37E	1980	SL	660	EL	LEA	NEW MEXICO
SFPRR	12	27	95	37E	1980	SL	660	EL	LEA	NEW MEXICO
SFPRR	17	27	95	37E	1980	SL	1980	WL	LEA	NEW MEXICO
SFPRR	3	28	95	37E	660	SL	660	EL	LEA	NEW MEXICO
SFPRR	19	27	95	37E	660	SL	660	EL	LEA	NEW MEXICO
SFPRR	13	27	95	37E	660	SL	1780	WL	LEA	NEW MEXICO

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ESTABLISH PILOT WATERFLOOD

LEASE NAME	WELL NO.	SEC.	TWN	RGE	FT	F/	FT	F/	COUNTY	STATE
SFPRR	18	28	9S	37E	1980	SL	660	EL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 431'			PRODUCTION CASING:	4-1/2", 10.5#, K-55 @ 5,020'					
SURFACE HOLE:	12-1/4" hole to 431'			PRODUCTION HOLE:	7-7/8" Hole to 5,020'					
SURFACE CEMENT:	300 sx			CEMENT:	250 SX TO DV TOOL & 760 SX F/ DV TOOL T/ SURFACE					
SURFACE TOC:	SURFACE			TOC:	SURFACE			PBTD:	5013'	
				PERFS:	4934 - 5004'			TD:	5022'	
				STIMULATION:	9000 GAL 20% HCL					
SFPRR	12	27	9S	37E	1980	SL	660	EL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 425'			PRODUCTION CASING:	4-1/2", 10.5#, K-55 @ 5,030'					
SURFACE HOLE:	12-1/4" hole to 425'			PRODUCTION HOLE:	7-7/8" Hole to 5,030'					
SURFACE CEMENT:	325 sx			CEMENT:	250 SX					
SURFACE TOC:	SURFACE			TOC:	SURFACE			PBTD:	5013'	
				PERFS:	4954 - 5005'			TD:	5030'	
				STIMULATION:	8250 GAL 20% HCL					
SFPRR	17	27	9S	37E	1980	SL	1980	WL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 423'			PRODUCTION CASING:	4-1/2", 10.5#, K-55 @ 5,033'					
SURFACE HOLE:	12-1/4" hole to 423'			PRODUCTION HOLE:	7-7/8" Hole to 5,039'					
SURFACE CEMENT:	300 sx			CEMENT:	250 SX TO DV TOOL & 750 SX F/ DV TOOL T/ SURFACE					
SURFACE TOC:	SURFACE			TOC:	SURFACE			PBTD:	5028'	
				PERFS:	4963 - 5023'			TD:	5033'	
				STIMULATION:	9000 GAL 20% HCL					
SFPRR	3	28	9S	37E	660	SL	660	EL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 411'			PRODUCTION CASING:	4-1/2", 10.5#, K-55 @ 5,039'					
SURFACE HOLE:	12-1/4" hole to 411'			PRODUCTION HOLE:	7-7/8" Hole to 5,039'					
SURFACE CEMENT:	325 sx			CEMENT:	250 SX					
SURFACE TOC:	SURFACE			TOC:	4090' EST.			PBTD:	5025'	
				PERFS:	4933 - 4992'			TD:	5039'	
				STIMULATION:	8250 GAL 20% HCL					
SFPRR	19	27	9S	37E	660	SL	660	EL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 423'			PRODUCTION CASING:	4-1/2", 10.5#, K-55 @ 5,026'					
SURFACE HOLE:	12-1/4" hole to 423'			PRODUCTION HOLE:	7-7/8" Hole to 5,026'					
SURFACE CEMENT:	250 sx			CEMENT:	250 SX TO DV Tool @ 2421'; 700 SX to Surface					
SURFACE TOC:	SURFACE			TOC:	SURFACE			PBTD:	5024'	
				PERFS:	4958 - 5016'			TD:	5024'	
				STIMULATION:	9000 GAL 20% HCL					
SFPRR	13	27	9S	37E	660	SL	1780	WL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 400'			PRODUCTION CASING:	4-1/2", 10.5#, K-55 @ 5,050'					
SURFACE HOLE:	12-1/4" hole to 400'			PRODUCTION HOLE:	7-7/8" Hole to 5,050'					
SURFACE CEMENT:	300 sx			CEMENT:	250 SX					
SURFACE TOC:	SURFACE			TOC:	4100' Calculated			PBTD:	5032'	
				PERFS:	4974 - 5000'			TD:	5050'	
				STIMULATION:	800 GAL 28% + 2400 GAL 15% + 3200 GAL 3%					

C-108 FILING

LEASE NAME	WELL NO.	SEC.	TWN	RGE	FT	F/	FT	F/	COUNTY	STATE
SFPRR	18	28	9S	37E	1980	SL	660	EL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 431'			PRODUCTION CASING: 4-1/2", 10.5#, K-55 @ 5,020'						
SURFACE HOLE:	12-1/4" hole to 431'			PRODUCTION HOLE: 7-7/8" Hole to 5,020'						
SURFACE CEMENT:	300 sx			CEMENT: 250 SX TO DV TOOL & 760 SX F/ DV TOOL T/ SURFACE						
SURFACE TOC:	SURFACE			TOC: SURFACE				PBDT: 5013'		
				PERFS: 4934 - 5004'				TD: 5022'		
PROPOSED: RUN 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED/IPC AD-1 PACKER @ +/- 4900'										
SFPRR	12	27	9S	37E	1980	SL	660	EL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 425'			PRODUCTION CASING: 4-1/2", 10.5#, K-55 @ 5,030'						
SURFACE HOLE:	12-1/4" hole to 425'			PRODUCTION HOLE: 7-7/8" Hole to 5,030'						
SURFACE CEMENT:	325 sx			CEMENT: 250 SX						
SURFACE TOC:	SURFACE			TOC: 4000' EST				PBDT: 5013'		
				PERFS: 4954 - 5005'				TD: 5030'		
PROPOSED: RUN 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED/IPC AD-1 PACKER @ +/- 4905'										
SFPRR	17	27	9S	37E	1980	SL	1980	WL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 423'			PRODUCTION CASING: 4-1/2", 10.5#, K-55 @ 5,033'						
SURFACE HOLE:	12-1/4" hole to 423'			PRODUCTION HOLE: 7-7/8" Hole to 5,039'						
SURFACE CEMENT:	300 sx			CEMENT: 250 SX TO DV TOOL & 750 SX F/ DV TOOL T/ SURFACE						
SURFACE TOC:	SURFACE			TOC: SURFACE				PBDT: 5028'		
				PERFS: 4963 - 5023'				TD: 5033'		
PROPOSED: RUN 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED/IPC AD-1 PACKER @ +/- 4910'										
SFPRR	3	28	9S	37E	660	SL	660	EL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 411'			PRODUCTION CASING: 4-1/2", 10.5#, K-55 @ 5,039'						
SURFACE HOLE:	12-1/4" hole to 411'			PRODUCTION HOLE: 7-7/8" Hole to 5,039'						
SURFACE CEMENT:	325 sx			CEMENT: 250 SX						
SURFACE TOC:	SURFACE			TOC: 4090' EST.				PBDT: 5025'		
				PERFS: 4933 - 4992'				TD: 5039'		
PROPOSED: RUN 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED/IPC AD-1 PACKER @ +/- 4890'										
SFPRR	19	27	9S	37E	660	SL	660	EL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 423'			PRODUCTION CASING: 4-1/2", 10.5#, K-55 @ 5,026'						
SURFACE HOLE:	12-1/4" hole to 423'			PRODUCTION HOLE: 7-7/8" Hole to 5,026'						
SURFACE CEMENT:	250 sx			CEMENT: 250 SX TO DV Tool @ 2421'; 700 SX to Surface						
SURFACE TOC:	SURFACE			TOC: SURFACE				PBDT: 5024'		
				PERFS: 4958 - 5016'				TD: 5024'		
PROPOSED: RUN 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED/IPC AD-1 PACKER @ +/- 4910'										
SFPRR	13	27	9S	37E	660	SL	1780	WL	LEA	NEW MEXICO
SURFACE CASING:	8-5/8", 24#, J-55 @ 400'			PRODUCTION CASING: 4-1/2", 10.5#, K-55 @ 5,050'						
SURFACE HOLE:	12-1/4" hole to 400'			PRODUCTION HOLE: 7-7/8" Hole to 5,050'						
SURFACE CEMENT:	300 sx			CEMENT: 250 SX						
SURFACE TOC:	SURFACE			TOC: 4100' Calculated				PBDT: 5032'		
				PERFS: 4974 - 5000'				TD: 5050'		
PROPOSED: RUN 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED/IPC AD-1 PACKER @ +/- 4930'										

VPR OPERATING

EXISTING

WELL: SFPRR #3		FIELD: SAWYER		DATE: 30 JAN 2010		
LOCATION: 660' FEL & 660' FSL		SECTION 28, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-25518		SIZE, IN	WGT, #/FT	GRADE	THREAD	DEPTH
GL: 3,965'	CASING:	8-5/8	24	H-40	ST&C	411'
KB: 3,976'	CASING:	4-1/2	10.5	J-55	ST&C	5,039'
SPUD: 6/05/70	CASING:					
TD: 5,039'	PBTD: 5,025'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 5,000'

12-1/4" SURFACE HOLE DRILLED TO 411'

8-5/8" SURFACE CSG @ 411' CMT'd T/ Surf. W/ 325 SX CMT

TOC 4090' EST

BHA: 2-3/8", 4.7#, J-55, EUE-8RD TBG, TAC, 4 JTS 2-3/8" TBG, SN, 4' PS, BULL PLUG; EOT @ +/- 5000'

SAN ANDRES PERFS: 4933' - 4992'

SAN ANDRES PERFS: ORIG-8250 GAL 20% HCL ACID

4-1/2" CSG @ 5,039' CMT'd W/ 200 SX CMT; 7-7/8" HOLE DRILLED TO 5039'; PBTD@ 5,025'

BHT = 110F

VPR OPERATING

EXISTING

WELL: SFPRR #12		FIELD: SAWYER		DATE: 30 JAN 2010		
LOCATION: 1980' FSL & 660' FWL		SECTION 27, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-23894		SIZE, IN	WGT. # /FT	GRADE	THREAD	DEPTH
GL: 3,964'	CASING:	8-5/8	24	H-40	ST&C	425'
KB: 3,975'	CASING:	4-1/2	10.5	J-55	ST&C	5,030'
SPUD: 10/15/71	CASING:					
TD: 5,030'	PBTD: 5,025'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 4,990'

	12-1/4" SURFACE HOLE DRILLED TO 425'
	8-5/8" SURFACE CSG @ 425' CMT'd T/ Surf. W/ 325 SX CMT
	TOC 4000' EST
BHA: 2-3/8", 4.7#, J-55, EUE-8RD TBG, TAC, 4 JTS 2-3/8" TBG, SN, 4' PS, BULL PLUG; EOT @ +/- 4990'	
SAN ANDRES PERFS: 4954' - 5005'	
SAN ANDRES PERFS: ORIG-8250 GAL 20% HCL ACID	
4-1/2" CSG @ 5,039' CMT'd W/ 250 SX CMT; 7-7/8" HOLE DRILLED TO 5039'; PBTD @ 5,030'	

BHT = 110F

VPR OPERATING

PROPOSED

WELL: SFPRR #12		FIELD: SAWYER		DATE: 30 JAN 2010		
LOCATION: 1980' FSL & 660' FWL		SECTION 27, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-23894		SIZE, IN	WGT. #/FT	GRADE	THREAD	DEPTH
GL: 3,964'	CASING:	8-5/8	24	H-40	ST&C	425'
KB: 3,975'	CASING:	4-1/2	10.5	J-55	ST&C	5,030'
SPUD: 10/15/71	CASING:					
TD: 5,030'	PBTD: 5,025'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 4,905'

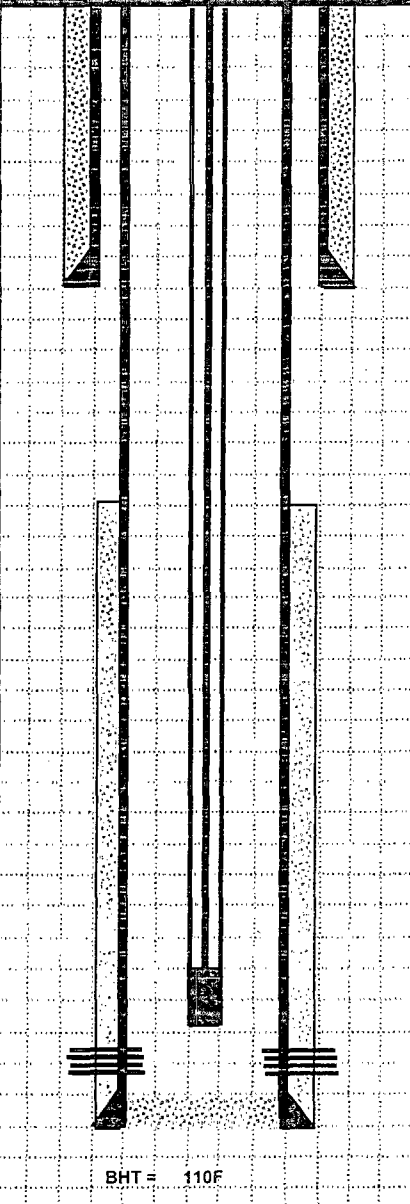
	12-1/4" SURFACE HOLE DRILLED TO 425'
	8-5/8" SURFACE CSG @ 425' CMT'd T/ Surf. W/ 325 SX CMT
	TOC 4000' EST
PROPOSED: 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED AD-1 PACKER @ +/- 4,905'	
SAN ANDRES PERFS: 4954' - 5005'	
SAN ANDRES PERFS: ORIG-8250 GAL 20% HCL ACID	
4-1/2" CSG @ 5,039' CMT'd W/ 250 SX CMT; 7-7/8" HOLE DRILLED TO 5039'; PBTD @ 5,030'	

BHT = 110F

VPR OPERATING

EXISTING

WELL: SFPRR #13		FIELD: SAWYER		DATE: 30 JAN 2010		
LOCATION: 1980' FSL & 660' FWL		SECTION 27, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-23951		SIZE, IN	WGT, #/FT	GRADE	THREAD	DEPTH
GL: 3,964'	CASING:	8-5/8	24	H-40	ST&C	420'
KB: 3,976'	CASING:	4-1/2	10.5	J-55	ST&C	5,050'
SPUD: 11/25/71	CASING:					
TD: 5,060'	PBTD: 5,032'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 4,990'



12-1/4" SURFACE HOLE DRILLED TO 420'

8-5/8" SURFACE CSG @ 420' CMT'd T/ Surf. W/ 325 SX CMT

TOC 4000' EST

BHA: 2-3/8", 4.7#, J-55, EUE-8RD TBG, TAC, 4 JTS 2-3/8" TBG, SN, 4' PS, BULL PLUG;
EOT @ +/- 4990'

SAN ANDRES PERFS: 4974' - 5000'

SAN ANDRES PERFS: ORIG-6400 GAL 20% HCL ACID

4-1/2" CSG @ 5,050' CMT'd W/ 250 SX CMT; 7-7/8" HOLE DRILLED TO 5050'; PBTD @ 5,032'

BHT = 110F

VPR OPERATING

PROPOSED

WELL: SFPRR #13		FIELD: SAWYER		DATE: 30 JAN 2010		
LOCATION: 1980' FSL & 660' FWL		SECTION 27, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-23951		SIZE, IN	WGT, #/FT	GRADE	THREAD	DEPTH
GL: 3,964'	CASING:	8-5/8	24	H-40	ST&C	420'
KB: 3,976'	CASING:	4-1/2	10.5	J-55	ST&C	5,050'
SPUD: 11/25/71	CASING:					
TD: 5,060'	PBTD: 5,032'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 4,930'

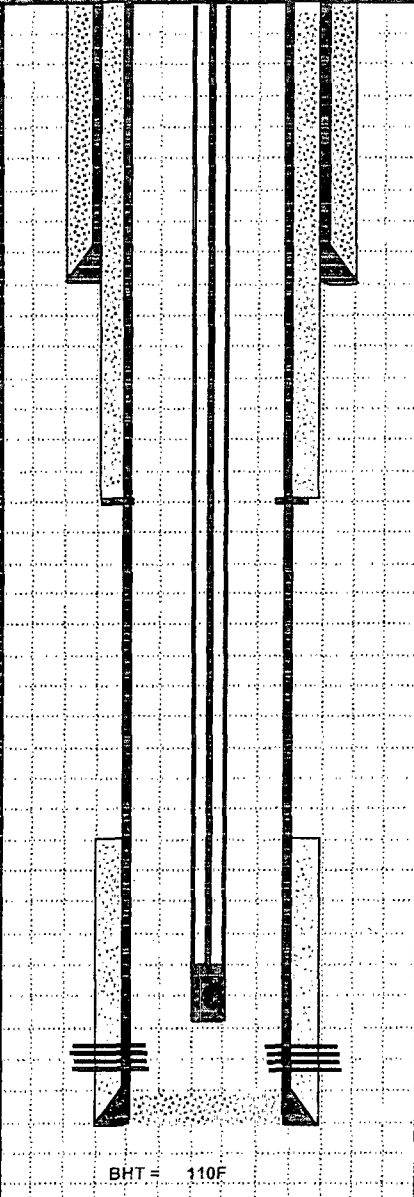
	12-1/4" SURFACE HOLE DRILLED TO 420'
	8-5/8" SURFACE CSG @ 420' CMT'd T/ Surf. W/ 325 SX CMT
	TOC 4000' EST
	PROPOSED: 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED AD-1 PACKER @ +/- 4,930'
	SAN ANDRES PERFS: 4974' - 5000'
SAN ANDRES PERFS: ORIG-6400 GAL 20% HCL ACID	
4-1/2" CSG @ 5,050' CMT'd W/ 250 SX CMT; 7-7/8" HOLE DRILLED TO 5050'; PBTD @ 5,032'	

BHT = 110F

EXISTING

EXISTING

WELL: SFPRR #17		FIELD: SAWYER			DATE: 30 JAN 2010	
LOCATION: 1980' FSL & 1980' FWL		SECTION 27, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO			BY: J R HULING	
API # 30-025-25340		SIZE, IN	WGT, # /FT	GRADE	THREAD	DEPTH
GL: 3,967'	CASING:	8-5/8	24	H-40	ST&C	423'
KB: 3,978'	CASING:	4-1/2	10.5	J-55	ST&C	5,033'
SPUD: 9/23/76	CASING:					
TD: 5,033'	PBTD: 5,028'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 5,018'



12-1/4" SURFACE HOLE DRILLED TO 423'

8-5/8" SURFACE CSG @ 306' CMT'd T/ Surf. W/ 300 SX CMT

DV Tool @ 2,304'; 750 SX Cemented to Surface Thru DV Tool

CORES PULLED F/ 4958' - 5034'

TOPS: ANHY-2288'; YATES - 2949'; SAN ANDRES - 4217'.

TOC @ 4000' (EST)

BHA: 153 JTS 2-3/8", 4.7#, J-55, EUE-8RD TBG, TAC, 4 JTS 2-3/8" TBG, SN, 4' PS, BULL PLUG; EOT @ +/- 5018'; 137 3/4" RODS, 59 7/8" RODS 16'X 1-1/2" PUMP

SAN ANDRES PERFS: 4963 - 5023'

SAN ANDRES PERFS: ORIG-9000 GAL 20% HCL ACID @ 10 BPM & 500 PSIG, ISIP- 0 PSIG

4-1/2" CSG @ 5,033' CMT'd W/ 1010 SX CMT; 7-7/8" HOLE DRILLED TO 5033'; PBTD@ 5,028'

BHT = 110F

VPR OPERATING

PROPOSED

WELL: SFPRR #17		FIELD: SAWYER		DATE: 30 JAN 2010		
LOCATION: 1980' FSL & 1980' FWL		SECTION 27, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-25340		SIZE, IN	WGT, # /FT	GRADE	THREAD	DEPTH
GL: 3,967'	CASING:	8-5/8	24	H-40	ST&C	423'
KB: 3,978'	CASING:	4-1/2	10.5	J-55	ST&C	5,033'
SPUD: 9/23/76	CASING:					
TD: 5,033'	PBTD: 5,028'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 4,910'

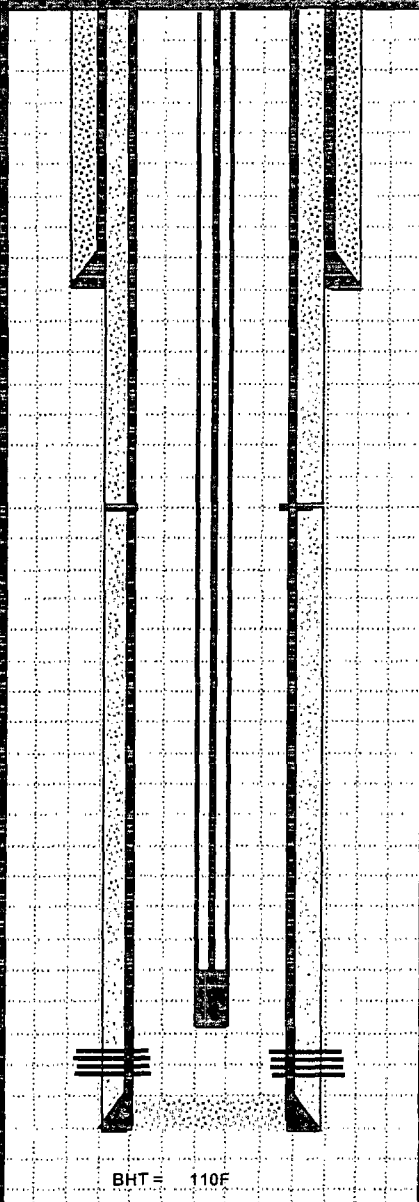
	12-1/4" SURFACE HOLE DRILLED TO 423'
	8-5/8" SURFACE CSG @ 306' CMT'd T/ Surf. W/ 300 SX CMT
	DV Tool @ 2,304'; 750 SX Cemented to Surface Thru DV Tool
	CORES PULLED F/ 4958' - 5034'
	TOPS: ANHY-2288'; YATES - 2949'; SAN ANDRES - 4217'.
	TOC @ 4000' (EST)
	PROPOSED: 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED AD-1 PACKER @ +/- 4,910'
SAN ANDRES PERFS: 4963 - 5023'	
SAN ANDRES PERFS: ORIG-9000 GAL 20% HCL ACID @ 10 BPM & 500 PSIG, ISIP-0 PSIG	
4-1/2" CSG @ 5,033' CMT'd W/ 1010 SX CMT; 7-7/8" HOLE DRILLED TO 5033'; PBTD @ 5,028'	

BHT = 110F

VPR OPERATING

EXISTING

WELL: SFPRR #18		FIELD: SAWYER		DATE: 30 JAN 2010		
LOCATION: 660' FEL & 1980' FSL		SECTION 28, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-25341		SIZE, IN	WGT, # /FT	GRADE	THREAD	DEPTH
GL: 3,971'	CASING:	8-5/8	24	H-40	ST&C	430'
KB: 3,982'	CASING:	4-1/2	10.5	J-55	ST&C	5,020'
SPUD: 9/23/76	CASING:					
TD: 5,022'	PBTD: 5,028'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 5,018'



12-1/4" SURFACE HOLE DRILLED TO 430'

8-5/8" SURFACE CSG @ 430' CMT'd T/ Surf. W/ 300 SX CMT

DV Tool ; 760 SX Cemented to Surface Thru DV Tool

TOC SURFACE

BHA: 2-3/8", 4.7#, J-55, EUE-8RD TBG, TAC, 4 JTS 2-3/8" TBG, SN, 4' PS, BULL PLUG;
EOT @ +/- 5000'

SAN ANDRES PERFS: 4934' - 5004'

SAN ANDRES PERFS: ORIG-9000 GAL 20% HCL ACID

4-1/2" CSG @ 5,020' CMT'd W/ 1010 SX CMT; 7-7/8" HOLE DRILLED TO 5020'; PBTD@ 5,013'

BHT = 110F

VPR OPERATING

PROPOSED

WELL: SFPRR #18		FIELD: SAWYER		DATE: 30 JAN 2010		
LOCATION: 660' FEL & 1980' FSL		SECTION 28, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-25341		SIZE, IN	WGT, # /FT	GRADE	THREAD	DEPTH
GL: 3,971'	CASING:	8-5/8	24	H-40	ST&C	430'
KB: 3,982'	CASING:	4-1/2	10.5	J-55	ST&C	5,020'
SPUD: 9/23/76	CASING:					
TD: 5,022'	PBTD: 5,028'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 4,900'

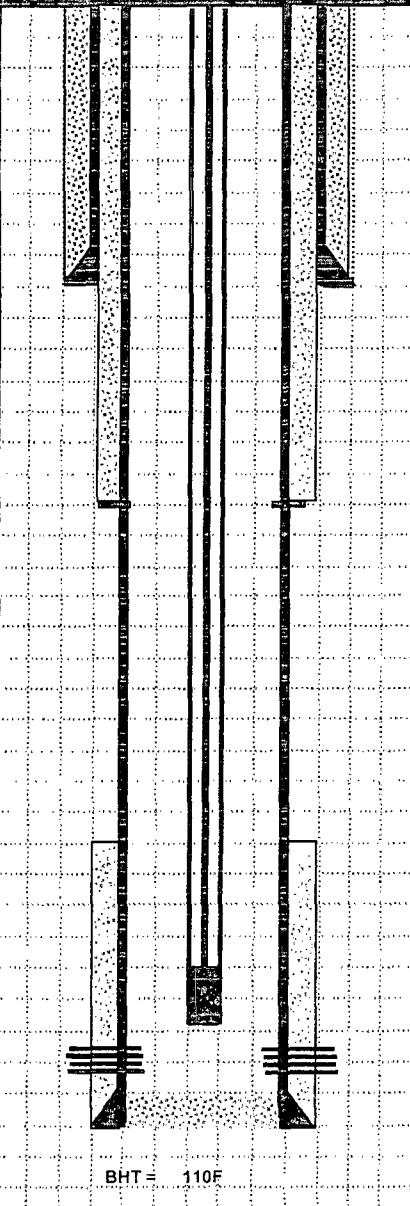
	12-1/4" SURFACE HOLE DRILLED TO 430'
	8-5/8" SURFACE CSG @ 430' CMT'd T/ Surf. W/ 300 SX CMT
	DV Tool ; 760 SX Cemented to Surface Thru DV Tool
	TOC SURFACE
	PROPOSED: 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED AD-1 PACKER @ +/- 4,900'
	SAN ANDRES PERFS: 4934' - 5004'
	SAN ANDRES PERFS: ORIG-9000 GAL 20% HCL ACID
4-1/2" CSG @ 5,020' CMT'd W/ 1010 SX CMT; 7-7/8" HOLE DRILLED TO 5020'; PBTD@ 5,013'	

BHT = 110F

VPR OPERATING, LLC

EXISTING

WELL: SFPRR #19		FIELD: SAWYER		DATE: 24 JAN 2010		
LOCATION: 660' FSL & 660' FWL		SECTION 27, T09S-R37E				
COUNTY: LEA		STATE: NEW MEXICO		BY: J R HULING		
API # 30-025-25342		SIZE, IN	WGT, #/FT	GRADE	THREAD	DEPTH
GL: 3,968'	CASING:	8-5/8	24	H-40	ST&C	423'
KB: 3,979'	CASING:	4-1/2	10.5	J-55	ST&C	5,026'
SPUD: 10/18/76	CASING:					
TD: 5,028'	PBTD: 5,024'	TUBING:	2-3/8	4.7	J-55	EUE-8RD +/- 4,955'



12-1/4" SURFACE HOLE DRILLED TO 423'

8-5/8" SURFACE CSG @ 483' CMT'd T/ Surf. W/ 250 SX CMT

DV Tool @ 2,421'; 700 SX Cemented to Surface Thru DV Tool

TOPS: ANHY-2265'; YATES - 2939'; SAN ANDRES - 4201'.

TOC @ 4000' (EST)

BHA: 159 JTS 2-3/8", 4.7#, J-55, EUE-8RD TBG, TAC (?), ? JTS 2-3/8" TSG, SN, ?' PS, BULL PLUG; EOT @ +/- 4955'; 138 3/4" RODS; 60 7/8" RODS 16'X 1-1/2" PUMP

SAN ANDRES PERFS: (IP: 62 BOPD + 7 MCFD + 160 BWPD) 4558 - 62'; 4970 - 93'; 5000-5016' (43 Shots 0.41" EHD)

SAN ANDRES PERFS: ORIG-9000 GAL 20% HCL ACID

4-1/2" CSG @ 5,026' CMT'd W/ 250 SX CMT; 7-7/8" HOLE DRILLED TO 5026'; PBTD@ 5,024'

BHT = 110F

VPR OPERATING, LLC

PROPOSED

WELL: SFPRR #19		FIELD: SAWYER		DATE: 24 JAN 2010			
LOCATION: 660' FSL & 660' FWL		SECTION 27, T09S-R37E					
COUNTY: LEA		STATE: NEW MEXICO			BY: J R HULING		
API # 30-025-25342		SIZE, IN	WGT, #/FT	GRADE	THREAD	DEPTH	
GL: 3,968'	CASING:	8-5/8	24	H-40	ST&C	423'	
KB: 3,979'	CASING:	4-1/2	10.5	J-55	ST&C	5,026'	
SPUD: 10/18/76	CASING:						
TD: 5,028'	PBTD: 5,024'	TUBING:	2-3/8	4.7	J-55	EUE-8RD	+/- 4,920'



BHT = 110F

12-1/4" SURFACE HOLE DRILLED TO 423'
8-5/8" SURFACE CSG @ 483' CMT'd T/ Surf. W/ 250 SX CMT
DV Tool @ 2,421'; 700 SX Cemented to Surface Thru DV Tool
TOPS: ANHY-2265'; YATES - 2939'; SAN ANDRES - 4201'.
TOC @ 4000' (EST)
PROPOSED: 2-3/8", 4.7#, J-55, EUE-8RD IPC TBG W/ COATED AD-1 PACKER @ +/- 4,920'
SAN ANDRES PERFS: (IP: 62 BOPD + 7 MCFD + 160 BWPD) 4958 - 62'; 4970 - 93'; 5000-5016' (43 Shots 0.41" EHD)
SAN ANDRES PERFS: ORIG-9000 GAL 20% HCL ACID
4-1/2" CSG @ 5,026' CMT'd W/ 250 SX CMT; 7-7/8" HOLE DRILLED TO 5026'; PBTD@ 5,024'

C-108 FILING

LEASE NAME	WELL NO.	SEC.	TWN	RGE	FT	F/	FT	F/	COUNTY	STATE
SFPRR	18	28	9S	37E	1980	SL	660	EL	LEA	NEW MEXICO

SFPRR	12	27	95	37E	1980	SL	660	EL	LEA	NEW MEXICO
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SFPRR	17	27	95	37E	1980	SL	1980	WL	LEA	NEW MEXICO
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SFPRR	3	28	9S	37E	660	SL	660	EL	LEA	NEW MEXICO
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SFPRR	19	27	9S	37E	660	SL	660	EL	LEA	NEW MEXICO
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SFPRR	13	27	9S	37E	660	SL	1780	WL	LEA	NEW MEXICO
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(1) INJECTION FORMATION:	SAN ANDRES / WEST SAWYER FIELD
(2) FIELD / POOL NAME:	4974 - 5000' - PERFORATIONS
(3) WELL HISTORY:	DRILLED AS PRODUCER, PROPOSED FOR CONVERSION TO INJECTION
(4) OTHER PERFORATED INTERVALS:	NONE
(5) ZONES ABOVE/BELOW:	NONE IN THE AREA OF INTEREST/IMPACT

EXHIBIT IV

C-108 FILING

**VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 100
AUSTIN, TX 78746**

THIS IS A NEW PROJECT, NOT AN EXPANSION OF AN EXISTING PROJECT.

EXHIBIT VI
C-108 FILING
VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

API Number	Lease Name	Name	Field Name	FEET FL	FEET FL	Sec	TWN	RGE	STATE	County	Depth	Elevation	Ref	Date Spud	Date Completion	Surface Dr.	Surf. Csg	CMT	[SX]	Prod	Depth	Prod. Csg	CMT	[SX]	Ti	Port	BI Port	Treatment Vol	[Gal]	IP	[BOPD]
3002526912000	SANTA FE	6	SAWYER WEST	560 FSL	1760	FEL	33 SS	37E	NM	LEA	5020			9/25/1981	11/4/1981	465	8.58 IN		200	5019	5 1/2 IN	1100	4971	4996	ACID	21000	95				
3002526930001	A.P.D. FEDERAL	18	ANTICLOE RIDGE	660 FSL	1980	FEL	28 SS	37E	NM	LEA	5022			8/9/1995	8/9/1995	398	8.58 IN		300	5025	4 1/2 IN	1010	4956	4982	ACID	10250	122				
3002523941000	SPPRR	18	SAWYER WEST	660 FSL	1980	FEL	28 SS	37E	NM	LEA	5022			10/4/1976	10/4/1976	431	8.58 IN		300	5026	4 1/2 IN	1010	4934	5004	ACID	9000	52				
3002523942000	SPPRR	20	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5028			10/8/1977	10/8/1977	423	8.58 IN		250	5026	5 1/2 IN	950	4958	5016	ACID	9000	62				
3002523943000	SPPRR	21	SAWYER WEST	660 FSL	1980	FEL	24 SS	37E	NM	LEA	5033			11/5/1976	11/5/1976	421	8.58 IN		300	5023	4 1/2 IN	950	4981	5008	ACID	9000	86				
3002523944000	SPPRR	21	SAWYER WEST	660 FSL	1980	FEL	24 SS	37E	NM	LEA	5033			11/16/1976	11/16/1976	426	8.58 IN		300	5042	4 1/2 IN	950	4978	5012	ACID	9000	85				
3002523950000	ARCO FEDERAL	2	SAWYER WEST	660 FSL	1980	FEL	28 SS	37E	NM	LEA	5027			12/22/1976	12/22/1976	460	8.58 IN		375	5037	4 1/2 IN	950	5006	5006	FFAC	8000	96				
3002523950000	FEDERAL	2	SAWYER WEST	660 FSL	1980	FEL	28 SS	37E	NM	LEA	5024			11/29/1976	11/29/1976	426	8.58 IN		350	5024	4 1/2 IN	950	4992	5013	ACID	9000	84				
3002523950000	ARCO FEDERAL	1	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	5061			8/17/1989	9/4/1989	3983	8.58 IN		300	5061	4 1/2 IN	250	4985	5020	ACID	500	N/A				
3002523950000	SANTA FE	10	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	5015			11/23/1988	11/23/1988	417	8.58 IN		325	5015	4 1/2 IN	250	4985	4984	ACID	9000	N/A				
3002523950000	SPPRR	16	SAWYER WEST	660 FSL	1980	FEL	28 SS	37E	NM	LEA	5010			11/23/1975	11/23/1975	439	8.58 IN		300	5010	4 1/2 IN	5100	4982	4992	ACID	8000	39				
3002523950000	SPPRR	16	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	5025			10/15/1981	11/20/1981	484	8.58 IN		350	5025	4 1/2 IN	1400	4943	4992	ACID	15500	32				
3002523950000	SPPRR	2	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5100			8/16/1974	8/16/1974	411	8.58 IN		325	5100	4 1/2 IN	250	4976	4984	ACID	8250	41				
3002523950000	SPPRR	4	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	5100			5/16/1981	5/16/1981	417	8.58 IN		275	5104	4 1/2 IN	1375	4957	5007	ACID	7000	78				
3002523950000	SPPRR	23	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	4992			5/16/1977	5/16/1977	431	8.58 IN		250	4991	4 1/2 IN	1000	4922	4986	ACID	9000	35				
3002523950000	SPPRR	22	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	5022			9/5/1977	9/5/1977	430	8.58 IN		250	5108	4 1/2 IN	1070	5030	5046	ACID	2300	35				
3002523950000	SPPRR	27	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	5100			10/20/2009	10/20/2009	460	8.58 IN		300	5100	5 1/2 IN	1375	5030	5046	ACID	2300	35				
3002523950000	SPPRR	28	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	5100			11/17/2009	11/17/2009	472	8.58 IN		275	5104	5 1/2 IN	1375	5030	5046	ACID	2300	35				
3002523950000	SPPRR	7	SAWYER WEST	660 FSL	1980	FEL	33 SS	37E	NM	LEA	5060			11/18/1970	12/21/1970	414	8.58 IN		325	5060	4 1/2 IN	250	4976	4994	ACID	6650	N/A				
3002523950000	SPPRR	2	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5095			11/19/1973	12/21/1973	430	8.58 IN		325	5095	4 1/2 IN	250	4976	5022	ACID	7000	139				
3002523950000	SPPRR	3	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5080			3/9/1973	3/9/1973	428	8.58 IN		325	5080	4 1/2 IN	250	4989	5036	ACID	7000	26				
3002523950000	SPPRR	14	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5100			5/17/1978	5/17/1978	447	8.58 IN		325	5089	4 1/2 IN	950	4976	5036	ACID	7000	30				
3002523950000	SPPRR	4	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5125			8/11/1970	8/11/1970	407	8.58 IN		325	5125	4 1/2 IN	275	4976	5000	ACID	7000	4				
3002523950000	SPPRR	5	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			10/29/1970	10/29/1970	388	8.58 IN		300	5025	4 1/2 IN	250	4956	4982	ACID	10250	N/A				
3002523950000	SPPRR	6	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			11/3/1970	11/3/1970	417	8.58 IN		325	5025	4 1/2 IN	250	4950	4994	ACID	8250	N/A				
3002523950000	SPPRR	8	SAWYER WEST	660 FSL	1980	FEL	28 SS	37E	NM	LEA	5025			11/8/1970	11/8/1970	416	8.58 IN		320	5025	4 1/2 IN	250	4984	4992	ACID	8250	N/A				
3002523950000	SPPRR	11	SAWYER WEST	660 FSL	1980	FEL	28 SS	37E	NM	LEA	5025			11/29/1970	11/29/1970	419	8.58 IN		325	5025	4 1/2 IN	250	4981	4992	ACID	8250	N/A				
3002523950000	ARCO	15	SAWYER WEST	660 FSL	1980	FEL	28 SS	37E	NM	LEA	5025			12/9/1970	12/9/1970	416	8.58 IN		250	5025	4 1/2 IN	250	4981	4992	ACID	8250	N/A				
3002523950000	MARR	2	SAWYER WEST	660 FSL	1980	FEL	34 SS	37E	NM	LEA	5100			12/4/1973	12/4/1973	420	8.58 IN		350	5099	4 1/2 IN	375	4985	5020	ACID	9000	N/A				
3002523950000	FEDERAL	17	SAWYER WEST	660 FSL	1980	FEL	34 SS	37E	NM	LEA	5047			2/10/1971	2/10/1971	434	8.58 IN		350	5047	4 1/2 IN	250	4982	4992	ACID	9000	N/A				
3002523950000	SPPRR	13	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5020			5/23/1976	5/23/1976	388	8.58 IN		300	5020	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	13	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5020			12/18/1972	12/18/1972	397	8.58 IN		300	5020	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM	LEA	5025			12/18/1972	12/18/1972	397	8.58 IN		300	5025	4 1/2 IN	250	4982	4992	ACID	8250	N/A				
3002523950000	SPPRR	1	SAWYER WEST	660 FSL	1980	FEL	27 SS	37E	NM																						

EXHIBIT VI CONT.

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

NO WELLS PLUGGED WITHIN 1/2 MILE OF PROPOSED INJECTION WELLS.



EXHIBIT VII. (1), (2), (3)

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 100
AUSTIN, TX 78746

LEASE NAME	WELL NO.	PROPOSED	PROPOSED	PROPOSED	PROPOSED
		AVG INJ BWIPD	MAX INJ BWIPD	AVG PRESS PSIG	MAX PRESS BWIPD
SFPRR	18	500	2000	200	1500
SFPRR	12	500	2000	200	1500
SFPRR	17	500	2000	200	1500
SFPRR	3	500	2000	200	1500
SFPRR	19	500	2000	200	1500
SFPRR	13	500	2000	200	1500

PRODUCED AND MAKE-UP WATER WILL BE PIPED AND TRUCKED FOR DISPOSAL INTO THE 6 WELLS PROPOSED FOR
CONVERSION TO INJECTION.

EXHIBIT VII. (4)

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD, SUITE 106
AUSTIN, TX 78746

PRODUCED WATER FROM ALL VPR OPERATED LEASES IN AREA WILL BE COLLECTED AND PUMPED INTO THE PROPOSED PILOT AREA WHICH INCLUDES THE CONVERSION OF INJECTION OF THE SFPRR 18, 12, 17, 3, 19 AND 13. VPR OPERATING HAS TWO POSSIBLE MAKE-UP WATER SOURCES, DOWN-DIP SAN ANDRES WATER FROM THE FIELD AND EXISTING FRESH WATER FROM THE AREA. ACTUAL WATER ANALYSIS ARE ATTACHED/FOLLOW.

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Costal Santa Fe
Well No.: # 3
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 1
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.040
2. Specific Gravity 60/60 F. 1.158
3. CACO3 Saturation Index @ 80F
- @140F

1.078 Moderate
2.688 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

	MG/L.	EQ. WT.	*MEQ/L
Present			
Not Determined			
Not Determined			

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

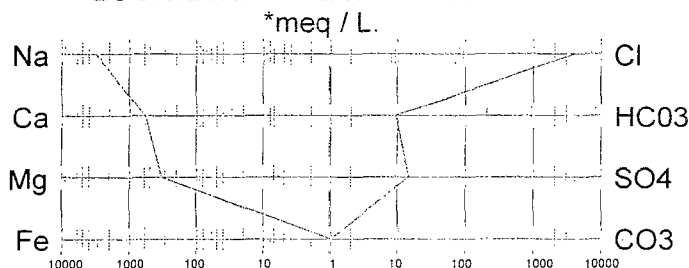
11,363	/ 20.1 =	565.32
3,829	/ 12.2 =	313.85
69,716	/ 23.0 =	3,031.13
Not Determined		

Anions

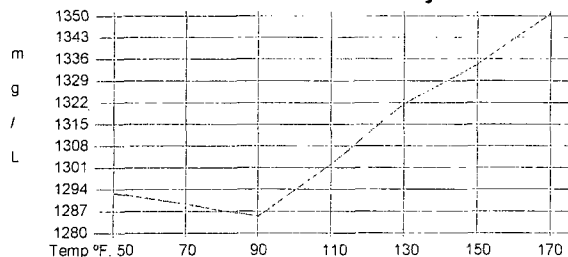
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
539	/ 61.1 =	8.82
675	/ 48.8 =	13.83
137,969	/ 35.5 =	3,886.45
224,091		
1.00	/ 18.2 =	0.05
Not Determined		
44,139		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	8.82		81.04		715
CaSO4	13.83		68.07		942
CaCl2	542.67		55.50		30,118
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	313.85		47.62		14,946
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,029.93		58.46		177,130

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : SFPRR
Well No.: # 8
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 2
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.760
2. Specific Gravity 60/60 F. 1.073
3. CACO3 Saturation Index @ 80F 0.565 Mild
@140F 1.485 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Not Present
Not Determined
Not Determined

Cations

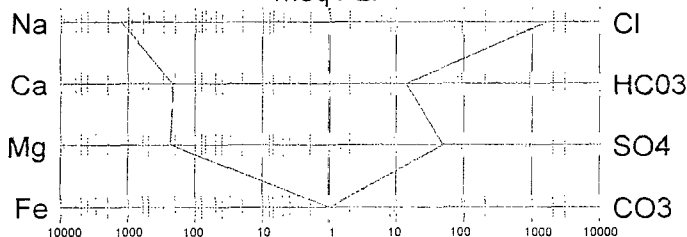
- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 4,148 | / 20.1 = | 206.37 |
| 8. Magnesium (Mg++) | 2,735 | / 12.2 = | 224.18 |
| 9. Sodium (Na+) (Calculated) | 27,755 | / 23.0 = | 1,206.74 |
| 10. Barium (Ba++) | Not Determined | | |

Anions

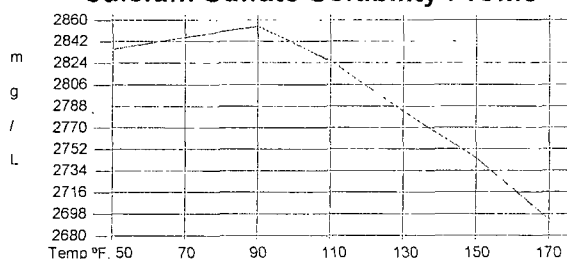
- | | | | |
|--------------------------------------|--------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 806 | / 61.1 = | 13.19 |
| 14. Sulfate (SO4=) | 2,250 | / 48.8 = | 46.11 |
| 15. Chloride (Cl-) | 55,987 | / 35.5 = | 1,577.10 |
| 16. Total Dissolved Solids | 93,681 | | |
| 17. Total Iron (Fe) | 8.00 | / 18.2 = | 0.44 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 21,619 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.099 Ohm · meters | | |

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	13.19		81.04	1,069
CaSO4	46.11		68.07	3,138
CaCl2	147.07		55.50	8,162
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	224.18		47.62	10,675
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	1,205.85		58.46	70,494

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Fed 27
Well No.: # 1
Location:
Attention:

Date Sampled : 20-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 3
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.800
2. Specific Gravity 60/60 F. 1.201
3. CACO3 Saturation Index @ 80F
@140F

1.721 Severe
3.101 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

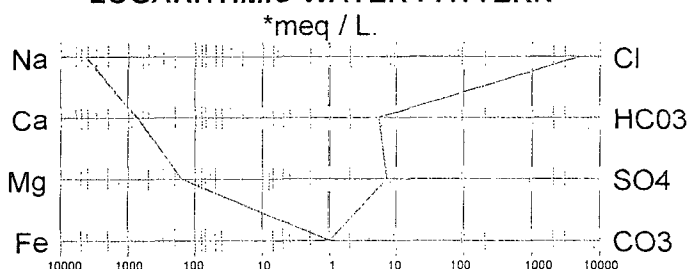
14,068	/ 20.1 =	699.90
1,860	/ 12.2 =	152.46
94,721	/ 23.0 =	4,118.30
Not Determined		

Anions

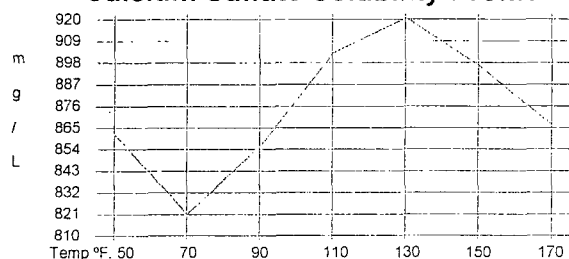
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
310	/ 61.1 =	5.07
330	/ 48.8 =	6.76
175,960	/ 35.5 =	4,956.62
287,249		
2.00	/ 18.2 =	0.11
Not Determined		
42,788		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	5.07		81.04		411
CaSO4	6.76		68.07		460
CaCl2	688.06		55.50		38,188
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	152.46		47.62		7,260
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	4,116.10		58.46		240,627

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : St. 32
Well No.: # 002Y
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 4
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.020
2. Specific Gravity 60/60 F. 1.158
3. CACO3 Saturation Index @ 80F 0.966 Moderate
@140F 2.726 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

Cations

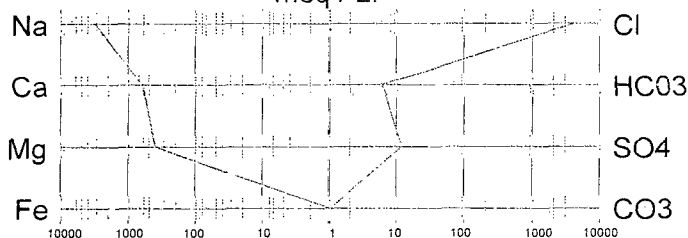
- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 11,904 | / 20.1 = | 592.24 |
| 8. Magnesium (Mg++) | 4,704 | / 12.2 = | 385.57 |
| 9. Sodium (Na+) (Calculated) | 68,608 | / 23.0 = | 2,982.96 |
| 10. Barium (Ba++) | Not Determined | | |

Anions

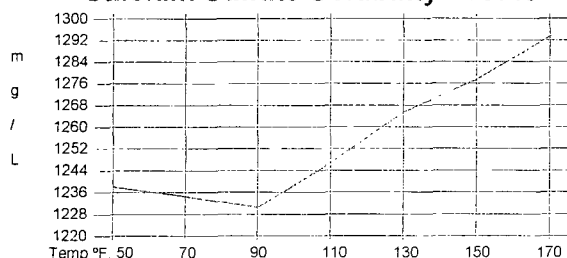
- | | | | |
|--------------------------------------|--------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 354 | / 61.1 = | 5.79 |
| 14. Sulfate (SO4=) | 550 | / 48.8 = | 11.27 |
| 15. Chloride (Cl-) | 139,968 | / 35.5 = | 3,942.76 |
| 16. Total Dissolved Solids | 226,088 | | |
| 17. Total Iron (Fe) | 0.50 | / 18.2 = | 0.03 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 49,094 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.001 Ohm · meters | | |

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	5.79		81.04		470
CaSO4	11.27		68.07		767
CaCl2	575.17		55.50		31,922
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	385.57		47.62		18,361
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,982.01		58.46		174,328

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : SFPRR
Well No.: # 20
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 5
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.020
2. Specific Gravity 60/60 F. 1.152
3. CACO3 Saturation Index @ 80F 0.728 Moderate
@140F 2.088 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

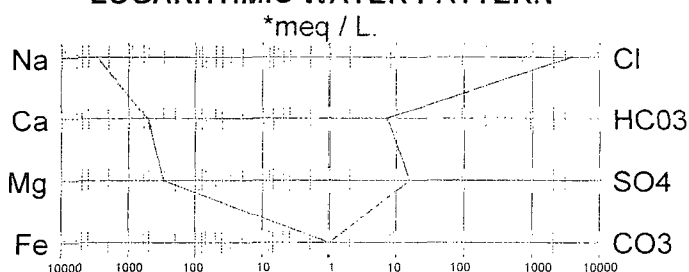
10,100	/ 20.1 =	502.49
3,501	/ 12.2 =	286.97
66,578	/ 23.0 =	2,894.70
Not Determined		

Anions

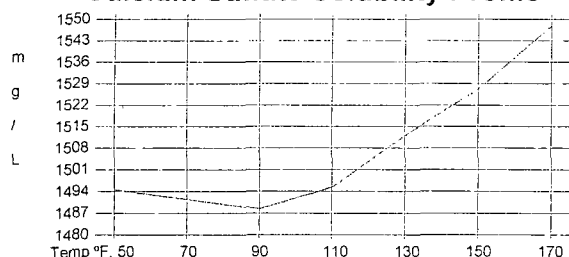
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
419	/ 61.1 =	6.86
725	/ 48.8 =	14.86
129,971	/ 35.5 =	3,661.15
211,294		
3.50	/ 18.2 =	0.19
Not Determined		
39,635		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	6.86		81.04	556
CaSO4	14.86		68.07	1,011
CaCl2	480.77		55.50	26,683
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	286.97		47.62	13,665
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	2,893.41		58.46	169,149

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Cox Fed
Well No.: # 1
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 6
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.570
2. Specific Gravity 60/60 F. 1.209
3. CACO3 Saturation Index @ 80F 1.660 Severe
@140F 2.760 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Present
Not Determined
Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

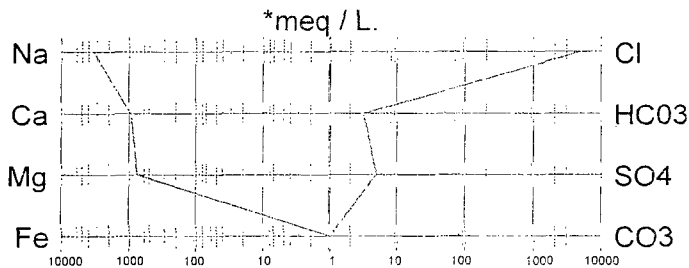
18,216	/ 20.1 =	906.27
8,752	/ 12.2 =	717.38
74,240	/ 23.0 =	3,227.83
Below 10		

Anions

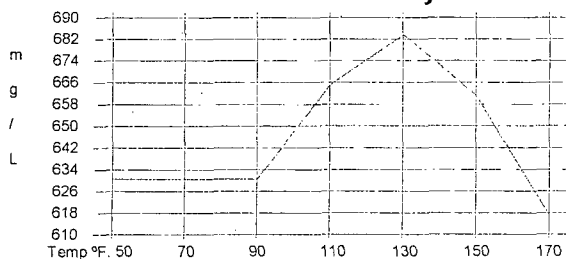
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
185	/ 61.1 =	3.03
230	/ 48.8 =	4.71
171,961	/ 35.5 =	4,843.97
273,584		
0.00	/ 18.2 =	0.00
Not Determined		
81,523		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	3.03		81.04		245
CaSO4	4.71		68.07		321
CaCl2	898.53		55.50		49,868
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	717.38		47.62		34,161
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,228.07		58.46		188,713

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **VPR Operating, LLC**
 Lease : **Costal Santa Fe**
 Well No.: **# 6**
 Location:
 Attention:

Date Sampled : **19-May-2009**
 Date Analyzed: **26-May-2009**
 Lab ID Number: **May2609.001- 7**
 Salesperson :
 File Name : **May2609.001**

ANALYSIS

1. Ph **6.070**
2. Specific Gravity 60/60 F. **1.135**
3. CACO3 Saturation Index **@ 80F**
@140F

0.639 Moderate
1.809 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

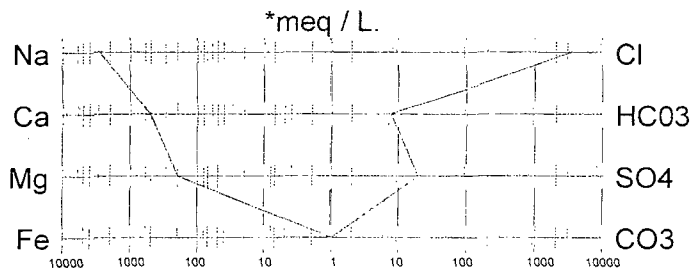
9,739	/ 20.1 =	484.53
2,297	/ 12.2 =	188.28
62,880	/ 23.0 =	2,733.91
Not Determined		

Anions

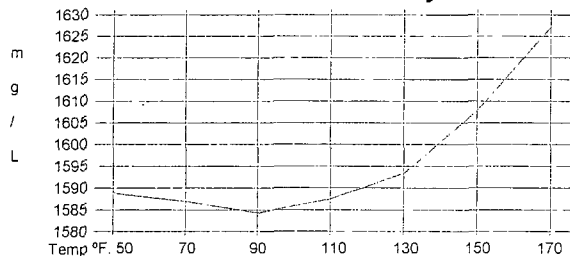
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
446	/ 61.1 =	7.30
900	/ 48.8 =	18.44
119,973	/ 35.5 =	3,379.52
196,235		
1.00	/ 18.2 =	0.05
Not Determined		
33,780		
0.002	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	7.30		81.04		592
CaSO4	18.44		68.07		1,255
CaCl2	458.79		55.50		25,463
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	188.28		47.62		8,966
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,732.46		58.46		159,739

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Stephanie Fed
Well No.: # 1
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 8
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.170
2. Specific Gravity 60/60 F. 1.153
3. CACO3 Saturation Index @ 80F 1.291 Severe
@140F 3.051 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Present
Not Determined
Not Determined

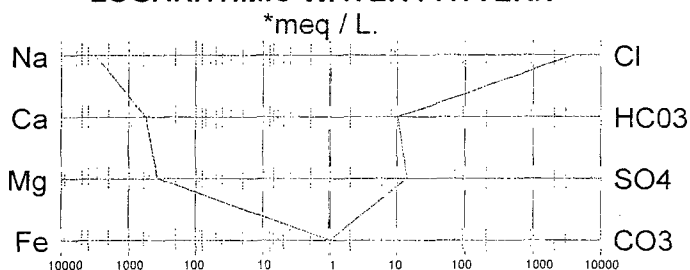
Cations

- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 10,641 | / 20.1 = | 529.40 |
| 8. Magnesium (Mg++) | 4,376 | / 12.2 = | 358.69 |
| 9. Sodium (Na+) (Calculated) | 70,815 | / 23.0 = | 3,078.91 |
| 10. Barium (Ba++) | Not Determined | | |

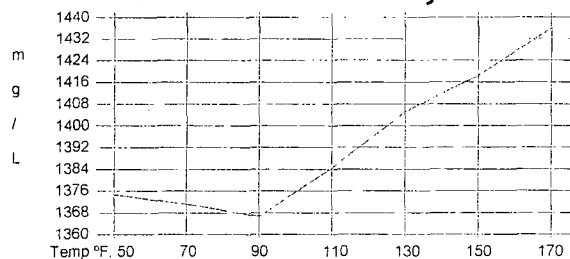
Anions

- | | | | |
|--------------------------------------|--------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 593 | / 61.1 = | 9.71 |
| 14. Sulfate (SO4=) | 650 | / 48.8 = | 13.32 |
| 15. Chloride (Cl-) | 139,968 | / 35.5 = | 3,942.76 |
| 16. Total Dissolved Solids | 227,043 | | |
| 17. Total Iron (Fe) | 1.50 | / 18.2 = | 0.08 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 44,590 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.001 Ohm · meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	9.71		81.04		787
CaSO4	13.32		68.07		907
CaCl2	506.38		55.50		28,104
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	358.69		47.62		17,081
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,077.69		58.46		179,922

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co.: VPR Operating, LLC
Lease : Adlong '5'
Well No.: # 1
Location:
Attention:

Date Sampled : 20-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 9
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.110
2. Specific Gravity 60/60 F. 1.156
3. CACO3 Saturation Index @ 80F 1.246 Severe
@140F 3.156 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

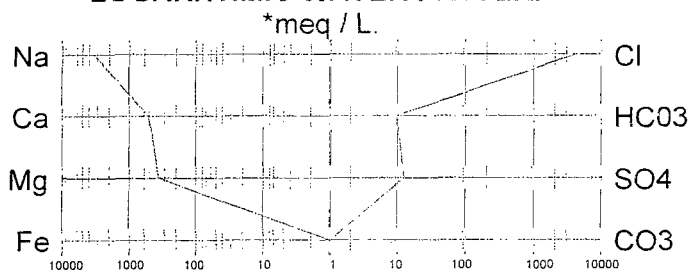
9,920	/ 20.1 =	493.53
4,267	/ 12.2 =	349.75
74,394	/ 23.0 =	3,234.52
Not Determined		

Anions

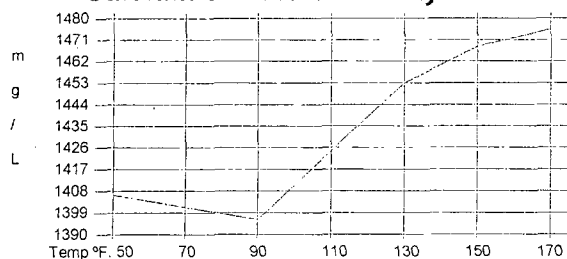
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
561	/ 61.1 =	9.18
575	/ 48.8 =	11.78
143,968	/ 35.5 =	4,055.44
233,685		
3.00	/ 18.2 =	0.16
Not Determined		
42,338		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	9.18		81.04		744
CaSO4	11.78		68.07		802
CaCl2	472.57		55.50		26,228
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	349.75		47.62		16,655
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,233.11		58.46		189,008

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : SFPRR
Well No.: # 12
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 10
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.800
2. Specific Gravity 60/60 F. 1.154
3. CACO3 Saturation Index @ 80F 0.816 Moderate
@140F 2.316 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

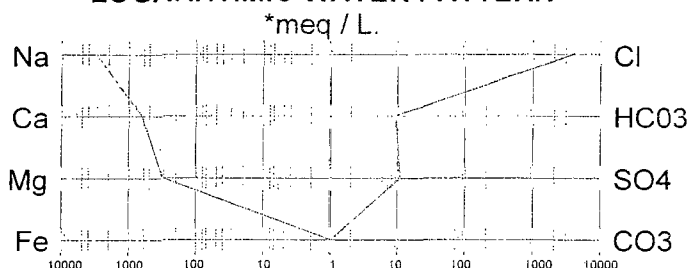
12,264	/ 20.1 =	610.15
3,610	/ 12.2 =	295.90
66,418	/ 23.0 =	2,887.74
Not Determined		

Anions

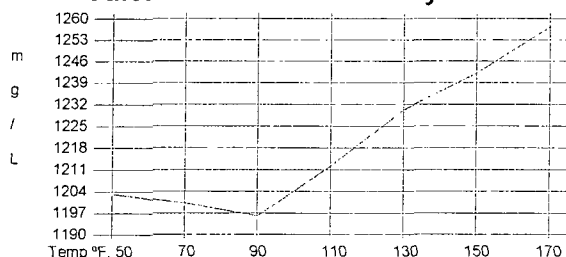
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
533	/ 61.1 =	8.72
500	/ 48.8 =	10.25
133,970	/ 35.5 =	3,773.80
217,295		
2.00	/ 18.2 =	0.11
Not Determined		
45,491		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	8.72		81.04		707
CaSO4	10.25		68.07		697
CaCl2	591.18		55.50		32,810
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	295.90		47.62		14,091
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,886.72		58.46		168,758

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Fed A
Well No.: # 1
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 11
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.340
2. Specific Gravity 60/60 F. 1.209
3. CACO3 Saturation Index @ 80F 2.487 Severe
@140F 2.487 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Not Present
Not Determined
Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

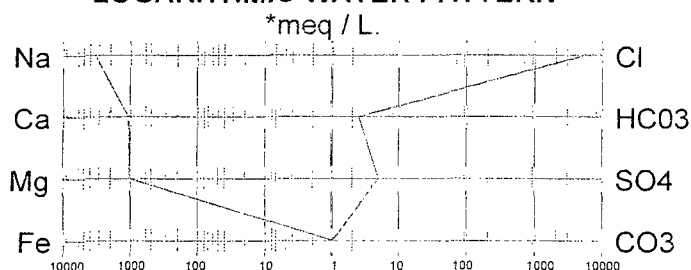
20,741	/ 20.1 =	1,031.89
12,253	/ 12.2 =	1,004.34
75,084	/ 23.0 =	3,264.52
Below 10		

Anions

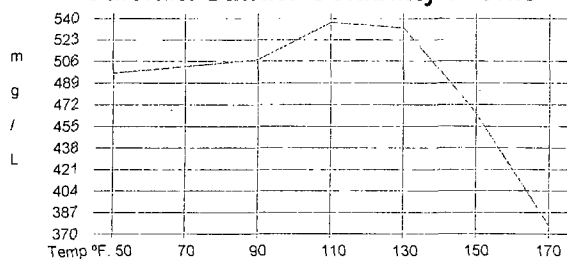
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
147	/ 61.1 =	2.41
235	/ 48.8 =	4.82
187,958	/ 35.5 =	5,294.59
296,418		
2.50	/ 18.2 =	0.14
Not Determined		
102,241		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	2.41		81.04		195
CaSO4	4.82		68.07		328
CaCl2	1,024.67		55.50		56,869
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	1,004.34		47.62		47,827
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,265.58		58.46		190,906

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : SFPRR
Well No.: # 18
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 12
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.970
2. Specific Gravity 60/60 F. 1.152
3. CACO3 Saturation Index @ 80F
- @140F

0.757 Moderate
2.117 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Present
Not Determined
Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

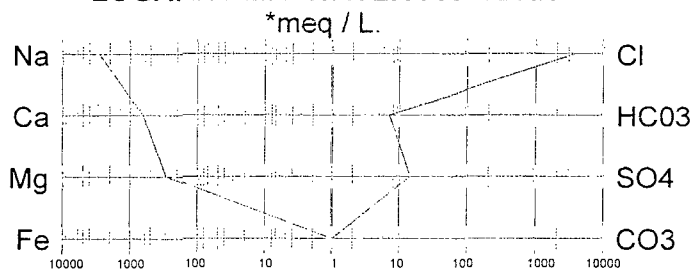
MG/L.	EQ. WT.	*MEQ/L
12,264	/ 20.1 =	610.15
3,392	/ 12.2 =	278.03
62,979	/ 23.0 =	2,738.22
Not Determined		

Anions

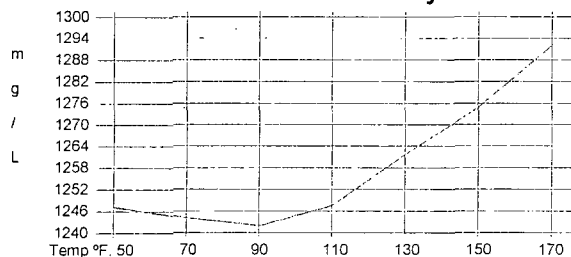
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
414	/ 61.1 =	6.78
675	/ 48.8 =	13.83
127,971	/ 35.5 =	3,604.82
207,695		
2.50	/ 18.2 =	0.14
Not Determined		
44,590		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	6.78		81.04		549
CaSO4	13.83		68.07		942
CaCl2	589.54		55.50		32,720
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	278.03		47.62		13,240
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,737.24		58.46		160,019

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : MARR
Well No.: # 3
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 13
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.210
2. Specific Gravity 60/60 F. 1.134
3. CACO3 Saturation Index @ 80F 0.635 Moderate
@140F 1.735 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Present
Not Determined
Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

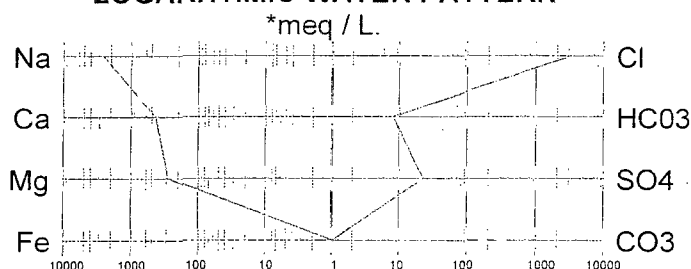
8,297	/ 20.1 =	412.79
3,282	/ 12.2 =	269.02
57,563	/ 23.0 =	2,502.74
Not Determined		

Anions

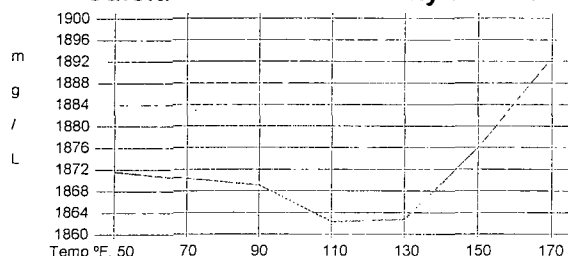
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
463	/ 61.1 =	7.58
1,050	/ 48.8 =	21.52
111,975	/ 35.5 =	3,154.23
182,630		
1.00	/ 18.2 =	0.05
Not Determined		
34,231		
0.010 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	7.58		81.04		614
CaSO4	21.52		68.07		1,465
CaCl2	383.69		55.50		21,295
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	269.02		47.62		12,811
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,501.52		58.46		146,239

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Fed 4
Well No.: # 002
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 14
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.990
2. Specific Gravity 60/60 F. 1.154
3. CACO3 Saturation Index @ 80F 0.744 Moderate
@140F 2.164 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Present
Not Determined
Not Determined

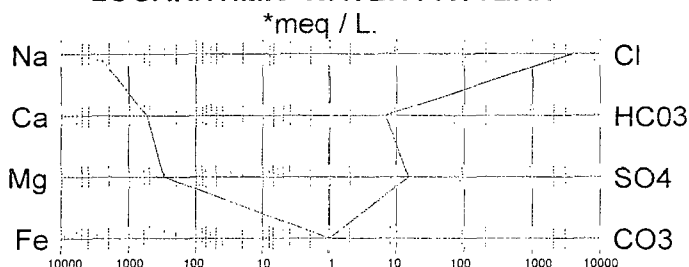
Cations

- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 10,461 | / 20.1 = | 520.45 |
| 8. Magnesium (Mg++) | 3,501 | / 12.2 = | 286.97 |
| 9. Sodium (Na+) (Calculated) | 66,142 | / 23.0 = | 2,875.74 |
| 10. Barium (Ba++) | Not Determined | | |

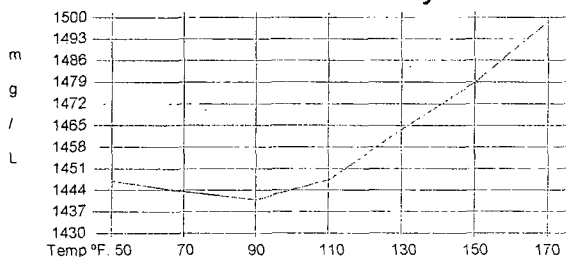
Anions

- | | | | |
|--------------------------------------|--------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 392 | / 61.1 = | 6.42 |
| 14. Sulfate (SO4=) | 700 | / 48.8 = | 14.34 |
| 15. Chloride (Cl-) | 129,971 | / 35.5 = | 3,661.15 |
| 16. Total Dissolved Solids | 211,167 | | |
| 17. Total Iron (Fe) | 2.50 | / 18.2 = | 0.14 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 40,536 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.001 Ohm · meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	6.42		81.04		520
CaSO4	14.34		68.07		976
CaCl2	499.69		55.50		27,733
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	286.97		47.62		13,665
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,874.50		58.46		168,043

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **VPR Operating, LLC**
 Lease : **Costal Santa Fe**
 Well No.: **# 5**
 Location:
 Attention:

Date Sampled : **19-May-2009**
 Date Analyzed: **26-May-2009**
 Lab ID Number: **May2609.001- 15**
 Salesperson :
 File Name : **May2609.001**

ANALYSIS

1. Ph 5.930
2. Specific Gravity 60/60 F. 1.151
3. CACO3 Saturation Index @ 80F
- @140F

0.649 Moderate
 1.869 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

	MG/L.	EQ. WT.	*MEQ/L
4. Hydrogen Sulfide	Present		
5. Carbon Dioxide	Not Determined		
6. Dissolved Oxygen	Not Determined		

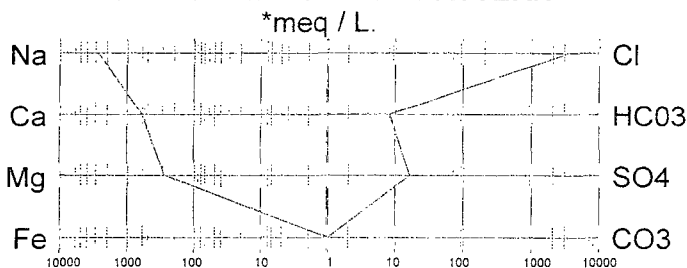
Cations

- | | | | | | | |
|-----|-----------|--------|--------------|----------------|----------|----------|
| 7. | Calcium | (Ca++) | | 11,543 | / 20.1 = | 574.28 |
| 8. | Magnesium | (Mg++) | | 3,282 | / 12.2 = | 269.02 |
| 9. | Sodium | (Na+) | (Calculated) | 60,183 | / 23.0 = | 2,616.65 |
| 10. | Barium | (Ba++) | | Not Determined | | |

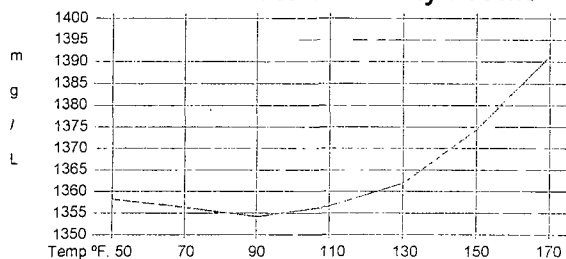
Anions

- | | | | | | | |
|-----|----------------------------------|---------|--|----------------|--------------------|----------|
| 11. | Hydroxyl | (OH-) | | 0 | / 17.0 = | 0.00 |
| 12. | Carbonate | (CO3=) | | 0 | / 30.0 = | 0.00 |
| 13. | Bicarbonate | (HCO3-) | | 474 | / 61.1 = | 7.76 |
| 14. | Sulfate | (SO4=) | | 750 | / 48.8 = | 15.37 |
| 15. | Chloride | (Cl-) | | 121,973 | / 35.5 = | 3,435.86 |
| 16. | Total Dissolved Solids | | | 198,205 | | |
| 17. | Total Iron | (Fe) | | 2.50 | / 18.2 = | 0.14 |
| 18. | Manganese | (Mn++) | | Not Determined | | |
| 19. | Total Hardness as CaCO3 | | | 42,338 | | |
| 20. | Resistivity @ 75 F. (Calculated) | | | | 0.001 Ohm · meters | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	7.76		81.04		629
CaSO4	15.37		68.07		1,046
CaCl2	551.15		55.50		30,589
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	269.02		47.62		12,811
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,615.69		58.46		152,913

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Fed 22
Well No.: # 2
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 16
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.570
2. Specific Gravity 60/60 F. 1.203
3. CACO3 Saturation Index @ 80F 2.140 Severe
@140F 2.580 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

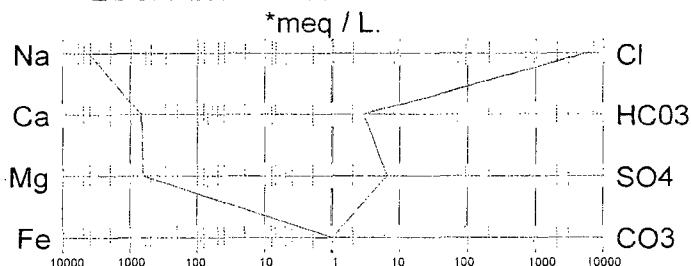
13,166	/ 20.1 =	655.02
7,549	/ 12.2 =	618.77
92,709	/ 23.0 =	4,030.83
Not Determined		

Anions

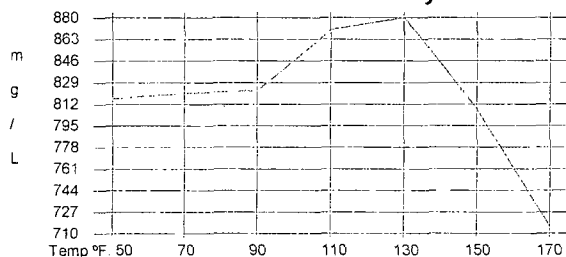
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
169	/ 61.1 =	2.77
300	/ 48.8 =	6.15
187,958	/ 35.5 =	5,294.59
301,851		
1.50	/ 18.2 =	0.08
Not Determined		
63,957		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	2.77		81.04		224
CaSO4	6.15		68.07		418
CaCl2	646.11		55.50		35,859
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	618.77		47.62		29,466
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	4,029.71		58.46		235,577

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Costal Santa Fe
Well No.: # 4
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 17
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.240
2. Specific Gravity 60/60 F. 1.145
3. CACO3 Saturation Index @ 80F 0.863 Moderate
@140F 1.963 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

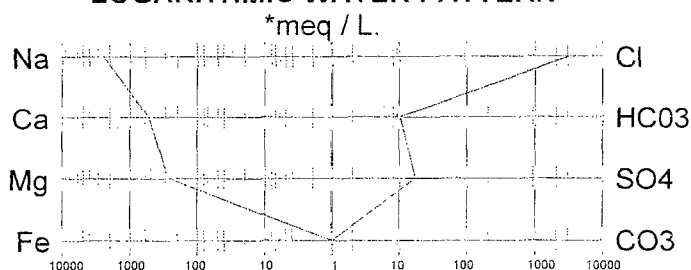
Cations

- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 10,100 | / 20.1 = | 502.49 |
| 8. Magnesium (Mg++) | 3,173 | / 12.2 = | 260.08 |
| 9. Sodium (Na+) (Calculated) | 55,632 | / 23.0 = | 2,418.78 |
| 10. Barium (Ba++) | Not Determined | | |

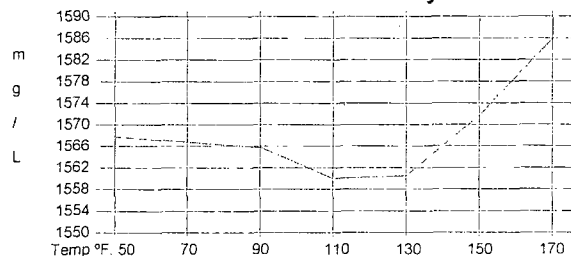
Anions

- | | | | |
|--------------------------------------|--------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 599 | / 61.1 = | 9.80 |
| 14. Sulfate (SO4=) | 800 | / 48.8 = | 16.39 |
| 15. Chloride (Cl-) | 111,975 | / 35.5 = | 3,154.23 |
| 16. Total Dissolved Solids | 182,279 | | |
| 17. Total Iron (Fe) | 4.00 | / 18.2 = | 0.22 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 38,284 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.011 Ohm · meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	9.80		81.04		794
CaSO4	16.39		68.07		1,116
CaCl2	476.29		55.50		26,434
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	260.08		47.62		12,385
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,417.85		58.46		141,348

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : Sawyer St. 4
Well No.: # 1
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 18
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.220
2. Specific Gravity 60/60 F. 1.123
3. CACO3 Saturation Index @ 80F 0.372 Mild
@140F 1.312 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L
Present
Not Determined
Not Determined

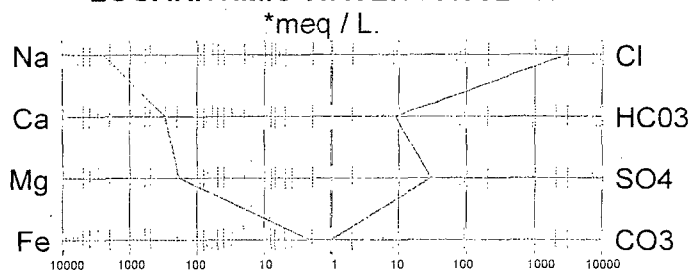
Cations

7. Calcium (Ca++) 5,772 / 20.1 = 287.16
8. Magnesium (Mg++) 2,188 / 12.2 = 179.34
9. Sodium (Na+) (Calculated) 56,219 / 23.0 = 2,444.30
10. Barium (Ba++) Not Determined

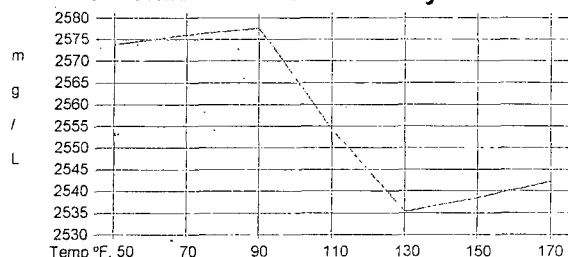
Anions

11. Hydroxyl (OH-) 0 / 17.0 = 0.00
12. Carbonate (CO3=) 0 / 30.0 = 0.00
13. Bicarbonate (HCO3-) 512 / 61.1 = 8.38
14. Sulfate (SO4=) 1,375 / 48.8 = 28.18
15. Chloride (Cl-) 101,977 / 35.5 = 2,872.59
16. Total Dissolved Solids 168,043
17. Total Iron (Fe) 36.50 / 18.2 = 2.01
18. Manganese (Mn++) Not Determined
19. Total Hardness as CaCO3 23,421
20. Resistivity @ 75 F. (Calculated) 0.022 Ohm · meters

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	8.38		81.04		679
CaSO4	28.18		68.07		1,918
CaCl2	250.61		55.50		13,909
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	179.34		47.62		8,540
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,442.64		58.46		142,797

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : SFPRR
Well No.: # 3
Location:
Attention:

Date Sampled : 20-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 19
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.970
2. Specific Gravity 60/60 F. 1.161
3. CACO3 Saturation Index @ 80F 1.148 Moderate
@140F 2.758 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

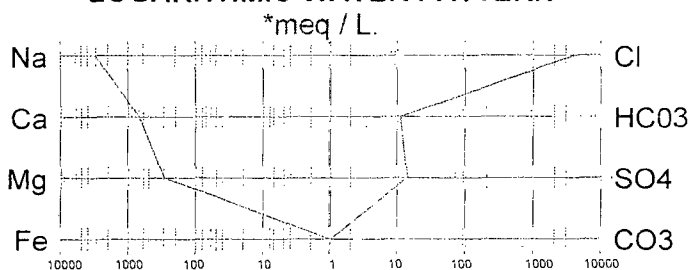
Cations

- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 13,166 | / 20.1 = | 655.02 |
| 8. Magnesium (Mg++) | 3,392 | / 12.2 = | 278.03 |
| 9. Sodium (Na+) (Calculated) | 68,501 | / 23.0 = | 2,978.30 |
| 10. Barium (Ba++) | Not Determined | | |

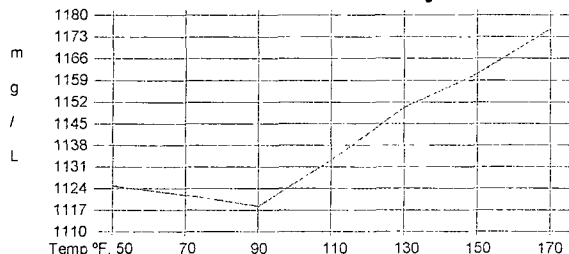
Anions

- | | | | |
|--------------------------------------|------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 642 | / 61.1 = | 10.51 |
| 14. Sulfate (SO4=) | 650 | / 48.8 = | 13.32 |
| 15. Chloride (Cl-) | 137,969 | / 35.5 = | 3,886.45 |
| 16. Total Dissolved Solids | 224,320 | | |
| 17. Total Iron (Fe) | 0.50 | / 18.2 = | 0.03 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 46,842 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.001 Ohm meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	10.51		81.04		852
CaSO4	13.32		68.07		907
CaCl2	631.20		55.50		35,031
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	278.03		47.62		13,240
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,977.22		58.46		174,048

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : SFPRR
Well No.: # 13
Location:
Attention:

Date Sampled : 20-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 20
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.780
2. Specific Gravity 60/60 F. 1.152
3. CACO3 Saturation Index @ 80F 0.709 Moderate
@140F 2.069 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Present
Not Determined
Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

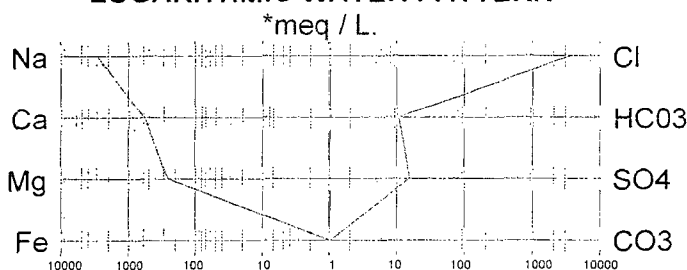
11,363	/ 20.1 =	565.32
3,063	/ 12.2 =	251.07
64,736	/ 23.0 =	2,814.61
Not Determined		

Anions

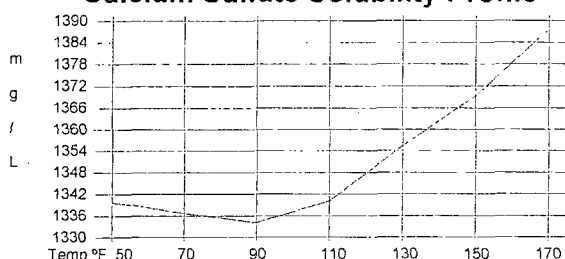
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
620	/ 61.1 =	10.15
725	/ 48.8 =	14.86
127,971	/ 35.5 =	3,604.82
208,478		
1.50	/ 18.2 =	0.08
Not Determined		
40,987		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	10.15		81.04	822
CaSO4	14.86		68.07	1,011
CaCl2	540.32		55.50	29,988
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	251.07		47.62	11,956
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	2,813.43		58.46	164,473

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating, LLC
Lease : TP Fed
Well No.: # 2
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 21
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.150
2. Specific Gravity 60/60 F. 1.127
3. CACO3 Saturation Index @ 80F 0.593 Mild
@140F 1.553 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L
Present
Not Determined
Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

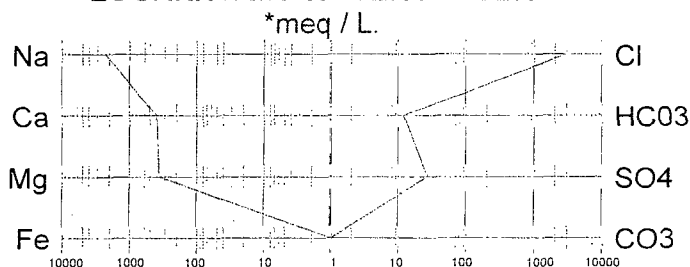
7,575 / 20.1 = 376.87
4,267 / 12.2 = 349.75
50,241 / 23.0 = 2,184.39
Not Determined

Anions

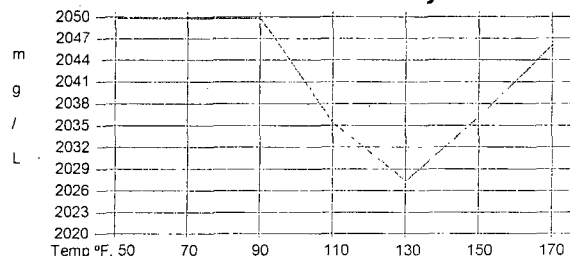
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0 / 17.0 = 0.00
0 / 30.0 = 0.00
697 / 61.1 = 11.41
1,275 / 48.8 = 26.13
101,977 / 35.5 = 2,872.59
166,032
2.50 / 18.2 = 0.14
Not Determined
36,483
0.022 Ohm · meters

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	11.41		81.04	924
CaSO4	26.13		68.07	1,778
CaCl2	339.33		55.50	18,833
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	349.75		47.62	16,655
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	2,183.51		58.46	127,648

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co.: VPR Operating, LLC
Lease : U.S.M
Well No.: # 3
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 22
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 5.750
2. Specific Gravity 60/60 F. 1.208
3. CACO3 Saturation Index @ 80F 2.546 Severe
@140F 3.246 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
Present		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

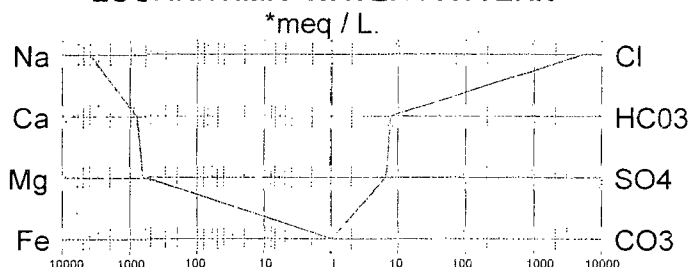
15,331	/ 20.1 =	762.74
7,439	/ 12.2 =	609.75
87,950	/ 23.0 =	3,823.91
Not Determined		

Anions

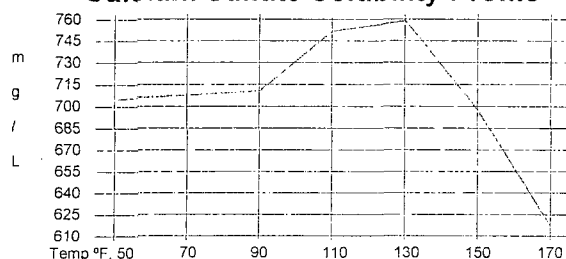
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
446	/ 61.1 =	7.30
310	/ 48.8 =	6.35
183,959	/ 35.5 =	5,181.94
295,435		
2.00	/ 18.2 =	0.11
Not Determined		
68,911		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	7.30		81.04		592
CaSO4	6.35		68.07		432
CaCl2	749.08		55.50		41,574
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	609.75		47.62		29,036
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,823.11		58.46		223,499

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co.: VPR Operating, LLC
Lease : SFPRR
Well No.: # 22
Location:
Attention:

Date Sampled : 19-May-2009
Date Analyzed: 26-May-2009
Lab ID Number: May2609.001- 23
Salesperson :
File Name : May2609.001

ANALYSIS

1. Ph 6.150
2. Specific Gravity 60/60 F. 1.159
3. CACO3 Saturation Index @ 80F 1.015 Moderate
@140F 2.435 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. Present
Not Determined
Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

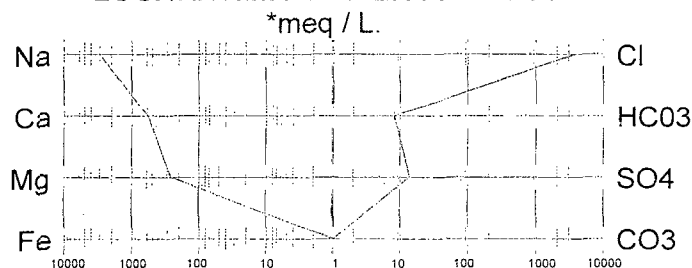
11,182 / 20.1 = 556.32
3,063 / 12.2 = 251.07
66,150 / 23.0 = 2,876.09
Not Determined

Anions

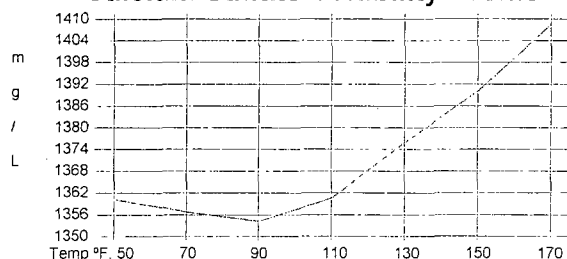
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0 / 17.0 = 0.00
0 / 30.0 = 0.00
474 / 61.1 = 7.76
650 / 48.8 = 13.32
129,971 / 35.5 = 3,661.15
211,490
3.00 / 18.2 = 0.16
Not Determined
40,536
0.001 Ohm · meters

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	7.76		81.04		629
CaSO4	13.32		68.07		907
CaCl2	535.24		55.50		29,706
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	251.07		47.62		11,956
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,874.85		58.46		168,064

* milliequivalents per Liter

Kevin Byrne, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR
Lease : SFPRR
Well No. 25
Location:
Attention:

Date Sampled : 12-12-09
Date Analyzed: 08-January-2010
Lab ID Number: Jan0810.004- 1
Salesperson :
File Name : Jan0810.004

ANALYSIS

1. Ph 5.320
2. Specific Gravity 60/60 F 1.158
3. CACO3 Saturation Index @ 80F 0.693 Moderate
@ 140F 2.793 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L

Present

Not Determined

Not Determined

Cations

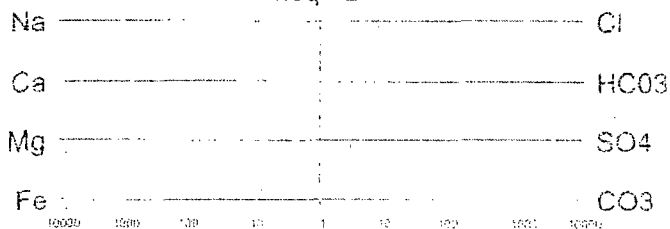
- | | | | | |
|--------------|--------------------|----------------|----------|----------|
| 7. Calcium | (Ca++) | 14,438 | / 20.1 = | 718.31 |
| 8. Magnesium | (Mg++) | 3,918 | / 12.2 = | 321.15 |
| 9. Sodium | (Na+) (Calculated) | 71,229 | / 23.0 = | 3,096.91 |
| 10. Barium | (Ba++) | Not Determined | | |

Anions

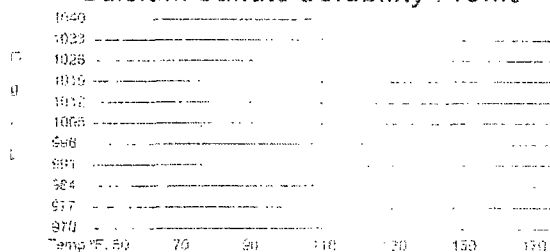
- | | | | | |
|--------------------------------------|---------|--------------------|----------|----------|
| 11. Hydroxyl | (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate | (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate | (HCO3-) | 566 | / 61.1 = | 9.26 |
| 14. Sulfate | (SO4=) | 700 | / 48.8 = | 14.34 |
| 15. Chloride | (Cl-) | 145,967 | / 35.5 = | 4,111.75 |
| 16. Total Dissolved Solids | | 236,818 | | |
| 17. Total Iron | (Fe) | 4.00 | / 18.2 = | 0.22 |
| 18. Manganese | (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | | 52,187 | | |
| 20. Resistivity @ 75 F. (Calculated) | | 0.001 Ohm - meters | | |

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	9.26		81.04	751
CaSO4	14.34		68.07	976
CaCl2	694.70		55.50	38,556
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	321.15		47.62	15,293
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,095.90		58.46	180,986

* milliequivalents per Liter

David Chavez, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating
Lease : SFPRR
Well No.: 27
Location:
Attention:

Date Sampled : 12/28/2009
Date Analyzed: 29-December-2009
Lab ID Number: Dec2909.002- 3
Salesperson :
File Name : Dec2909.002

ANALYSIS

1. Ph 6.260
2. Specific Gravity 60/60 F. 1.263
3. CACO3 Saturation Index @ 80F 1.432 Severe
@ 140F 3.192 Severe

Dissolved Gasses

4. Hydrogen Sulfide Present
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

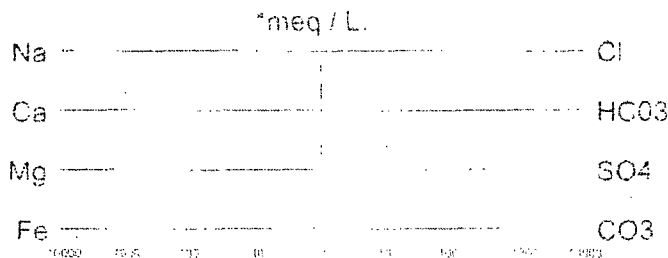
Cations

- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 12,919 | / 20.1 = | 642.74 |
| 8. Magnesium (Mg++) | 5,186 | / 12.2 = | 425.08 |
| 9. Sodium (Na+) (Calculated) | 65,714 | / 23.0 = | 2,857.13 |
| 10. Barium (Ba++) | Not Determined | | |

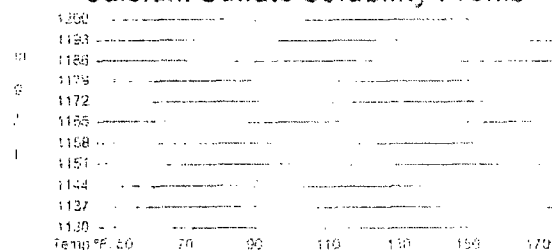
Anions

- | | | | |
|--------------------------------------|--------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 550 | / 61.1 = | 9.00 |
| 14. Sulfate (SO4=) | 41 | / 48.8 = | 0.84 |
| 15. Chloride (Cl-) | 138,969 | / 35.5 = | 3,914.62 |
| 16. Total Dissolved Solids | 223,379 | | |
| 17. Total Iron (Fe) | 5.00 | / 18.2 = | 0.27 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 53,610 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.001 Ohm · meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	9.00		81.04	729
CaSO4	0.84		68.07	57
CaCl2	632.89		55.50	35,126
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	425.08		47.62	20,242
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	2,856.64		58.46	166,999

* milliequivalents per Liter

Elisabeth Andrews, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co.: VPR Operating
Lease: Sawyer Corral
Well No.:
Location: MAKE-UP WATER SERVICE
Attention:

Date Sampled: 1-5-2010
Date Analyzed: 06-January-2010
Lab ID Number: Jan0610.001-2
Salesperson:
File Name: Jan0610.001

ANALYSIS

1. Ph 7.590
2. Specific Gravity 60/60 F. 1.009
3. CaCO₃ Saturation Index @ 80F 0.876 Moderate
@ 140F 1.476 Severe

Dissolved Gasses

4. Hydrogen Sulfide Not Present
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

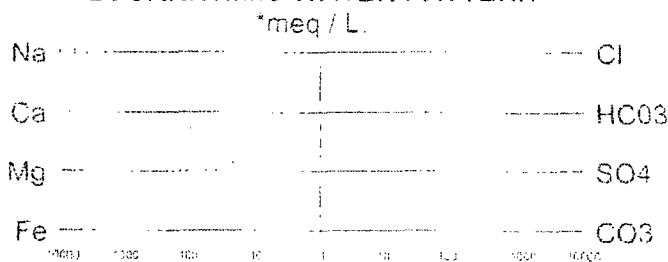
Cations

- | | | | |
|------------------------------|----------------|----------|------|
| 7. Calcium (Ca++) | 104 | / 20.1 = | 5.17 |
| 8. Magnesium (Mg++) | 58 | / 12.2 = | 4.75 |
| 9. Sodium (Na+) (Calculated) | 114 | / 23.0 = | 4.96 |
| 10. Barium (Ba++) | Not Determined | | |

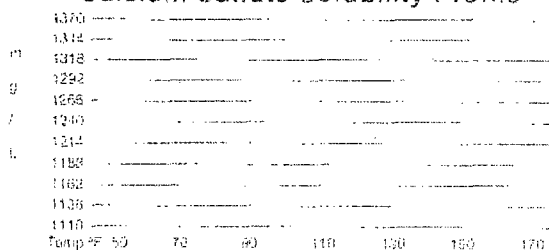
Anions

- | | | | |
|---|------------------|----------|------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO ₃ =) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO ₃ -) | 207 | / 61.1 = | 3.39 |
| 14. Sulfate (SO ₄ =) | 350 | / 48.8 = | 7.17 |
| 15. Chloride (Cl-) | 150 | / 35.5 = | 4.23 |
| 16. Total Dissolved Solids | 983 | | |
| 17. Total Iron (Fe) | 0.75 | / 18.2 = | 0.04 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO ₃ | 498 | | |
| 20. Resistivity @ 75 F. (Calculated) | 2.851 Ohm-meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L
Ca(HCO ₃) ₂	3.39		81.04		275
CaSO ₄	1.79		68.07		122
CaCl ₂	0.00		55.50		0
Mg(HCO ₃) ₂	0.00		73.17		0
MgSO ₄	4.75		60.19		286
MgCl ₂	0.00		47.62		0
NaHCO ₃	0.00		84.00		0
NaSO ₄	0.63		71.03		45
NaCl	4.23		58.46		247

* milliequivalents per Liter

Elisabeth Andrews, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating
Lease : Sawyer Corral
Well No.: South
Location: MAKE-UP WATER SOURCE
Attention:

Date Sampled : 1-5-2010
Date Analyzed: 06-January-2010
Lab ID Number: Jan0610.001- 3
Salesperson :
File Name : Jan0610.001

ANALYSIS

1. Ph 7.670
2. Specific Gravity 60/60 F 1.007
3. CaCO₃ Saturation Index @ 80F 0.862 Moderate
@ 140F 1.462 Severe

Dissolved Gasses

4. Hydrogen Sulfide Not Present
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

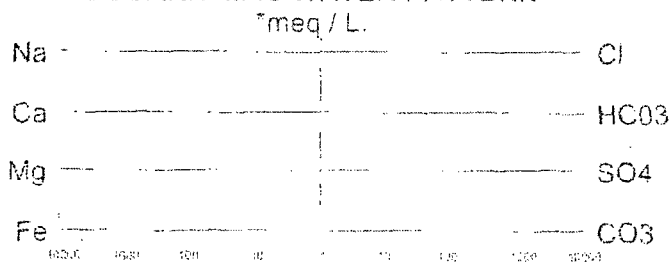
Cations

- | | | | |
|------------------------------|--------------|----------|------|
| 7. Calcium (Ca++) | 76 | / 20.1 = | 3.78 |
| 8. Magnesium (Mg++) | 40 | / 12.2 = | 3.28 |
| 9. Sodium (Na+) (Calculated) | 120 | / 23.0 = | 5.22 |
| 10. Barium (Ba++) | Less than 10 | | |

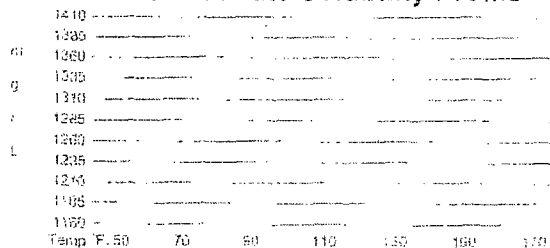
Anions

- | | | | |
|---|------------------|----------|------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO ₃ =) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO ₃ -) | 229 | / 61.1 = | 3.75 |
| 14. Sulfate (SO ₄ =) | 275 | / 48.8 = | 5.64 |
| 15. Chloride (Cl-) | 100 | / 35.5 = | 2.82 |
| 16. Total Dissolved Solids | 840 | | |
| 17. Total Iron (Fe) | 0.75 | / 18.2 = | 0.04 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO ₃ | 356 | | |
| 20. Resistivity @ 75 F. (Calculated) | 2.757 Ohm-meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO ₃) ₂	3.75		81.04	304
CaSO ₄	0.03		68.07	2
CaCl ₂	0.00		55.50	0
Mg(HCO ₃) ₂	0.00		73.17	0
MgSO ₄	3.28		60.19	197
MgCl ₂	0.00		47.62	0
NaHCO ₃	0.00		84.00	0
Na ₂ SO ₄	2.32		71.03	165
NaCl	2.82		58.46	165

* milliequivalents per Liter

Elisabeth Andrews, Analyst

EXHIBIT VII. (5)

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

N/A - Injection is for the purpose of a pilot waterflood.

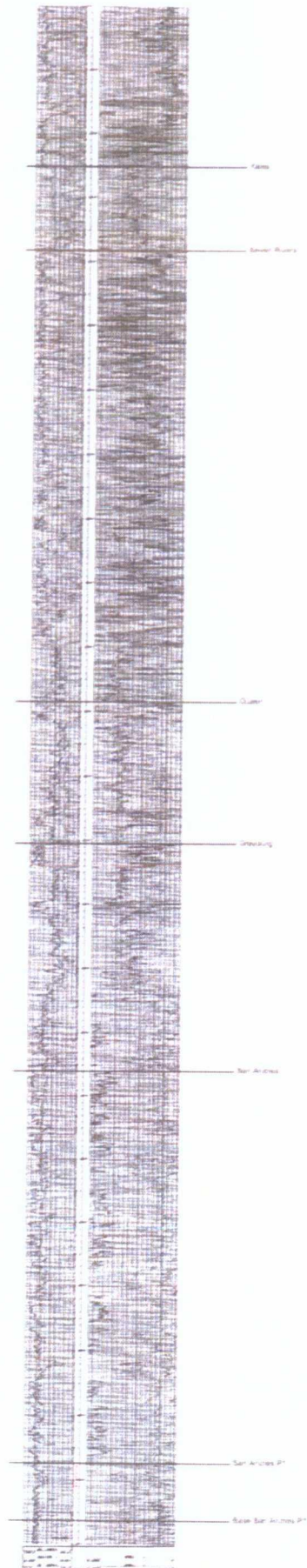


EXHIBIT VIII

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

LITHOLOGIC DETAIL:

The Sawyer West Field is part of the larger east-west Slaughter trend of the San Andres formation. The Slaughter trend consists of three porosity zones conveniently termed Upper, Middle, and Lower also known as porosity zones P-1, P-2, and P-3 respectively. Traps are typically stratigraphic and formed by diagenetic plugging of porosity with evaporates in an up dip direction. In the Sawyer West Field the Slaughter zone occurs approximately 600 feet below the top of the San Andres.

The Sawyer West Field is produces from the P-1 and P-2 zones. The top of the Slaughter zone P-1 is at approximately 4970 feet deep. The productive thickness of the P-1 and P-2 is approximately 120 feet. The lithology consists of inter-bedded anhydrite and gray to brown medium to coarsely crystalline dolomite. Stylolites and vuggy porosity are present related to secondary porosity development from dolomitization. The dolomite contains scattered inclusions of gray to white anhydrite. Intervals of thin argillaceous sediments are present throughout the section.

C

300255600
FED 22
3.979

300254841
FEDRAL 27
3.980

300254403
FED 27
3.983

300253484
SFPRR
12
3.974

300253342
SFPRR
19
3.979

300253484
SFPRR
2
3.977

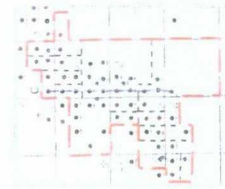
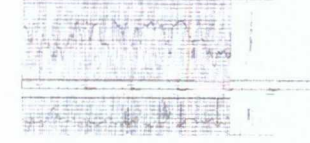
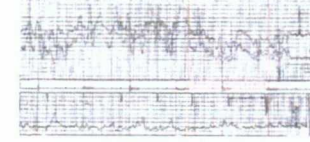
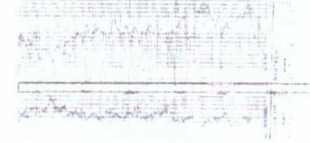
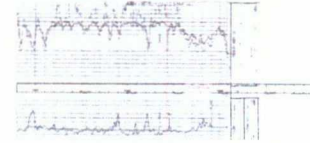
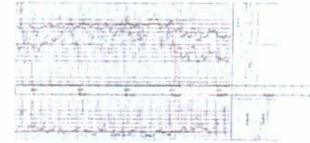
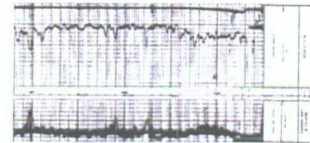
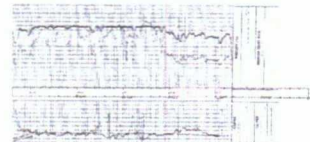
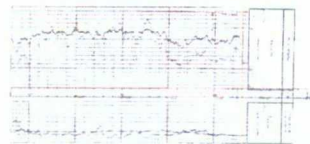
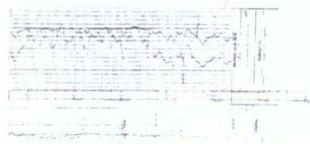
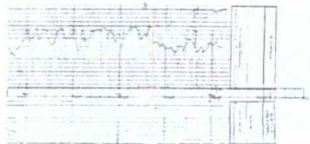
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SFPRR
16
3.978

300253510
SFPRR
1
3.986

300257146
PEAK WARR
3.988

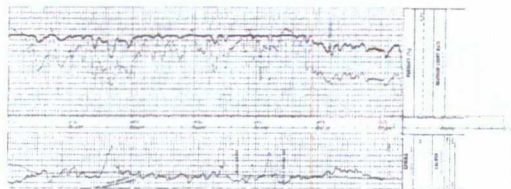
C

300257616
SUGGO 3 ST
3.981

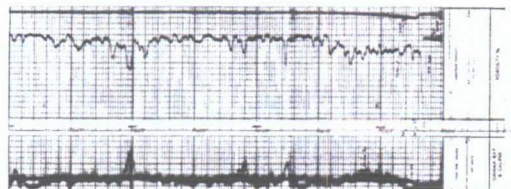


B

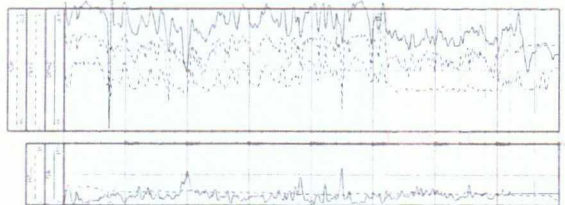
● 23894
SFPRR 12



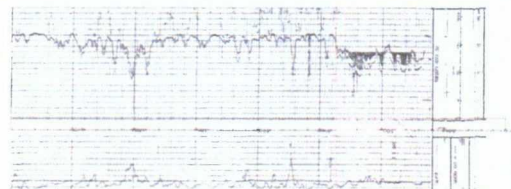
● 25342
SFPRR 19



● 39534
SFPRR 26

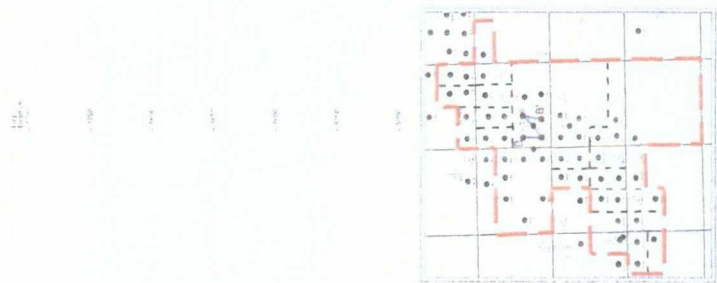
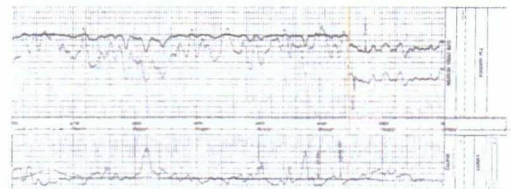


● 25340
SFPRR 17



B'

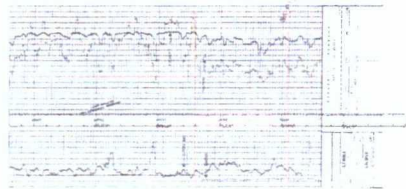
● 23951
SFPRR 13



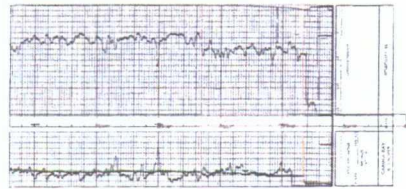
A

● 3002523518
SFPRR
3
3.976

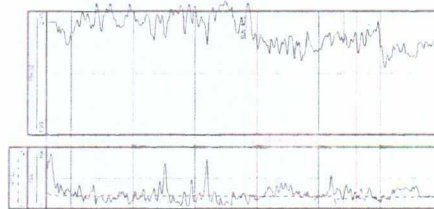
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SFPRR
3
3.976



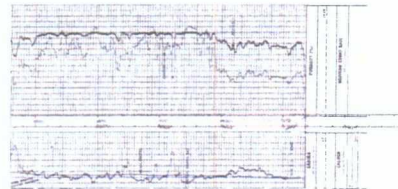
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SFPRR
18
3.982



● 3002539533
SFPRR
25
3.984

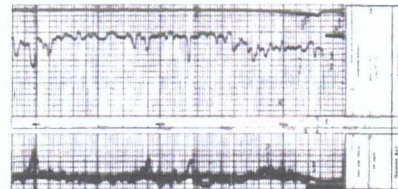


● 3002523894
SFPRR
12
3.974

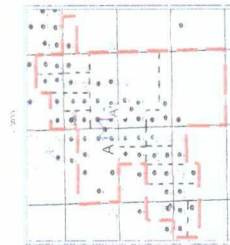


A'

● 3002525342
SFPRR
19
3.979



3002525342
SFPRR
19
3.979



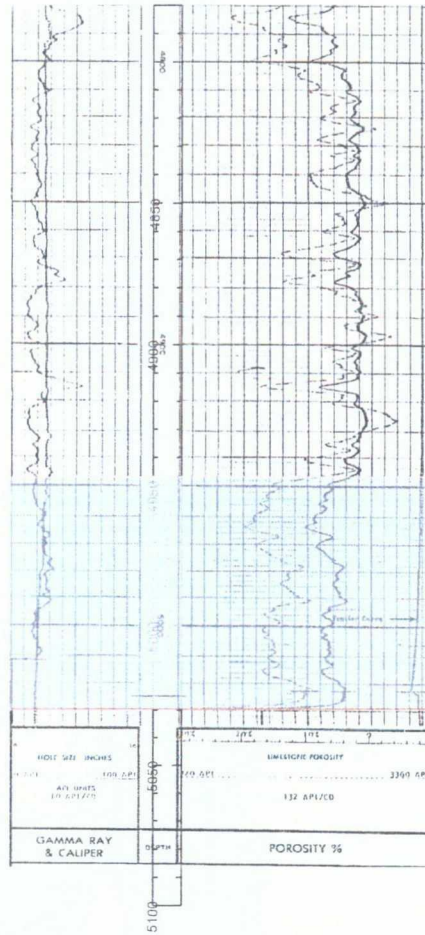
3002525403

FED 27

2

3,983

Zone of Injection



HS=1

EXHIBIT VIII

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

UNDERGROUND SOURCES OF DRINKING WATER:

The Quaternary sediments consist of unconsolidated gravel, sand, silt, and clay deposited by streams or sand and silt deposited by wind (figure 67). These deposits form part of the High Plains aquifer where they are saturated and are in contact with underlying aquifer units of Tertiary age. In eastern Colorado and New Mexico, the saturated Quaternary sediments generally are thin and discontinuous. Undifferentiated Quaternary sediments are hydraulically connected with the underlying aquifer in Tertiary units and are shown separately in (figure 68) only in areas where they do not overlie Tertiary aquifer units. The extent of the saturated Tertiary units defines the western boundary of the aquifer.

The Ogallala Formation is the principal geologic unit in the High Plains aquifer in eastern Colorado and New Mexico. The Ogallala generally consists of an unconsolidated and poorly sorted sequence of gravel, sand, silt, and clay.

In southeastern Colorado and eastern New Mexico, the High Plains aquifer is underlain by shale and interlayered sandstone, claystone, limestone, and dolomite of relatively low permeability. Permeable zones within some of these rocks may yield usable volumes of water to wells in some local areas.

The thickness of the Ogallala Formation that underlies the High Plains of eastern Colorado and New Mexico is highly irregular. The Ogallala was deposited by ancient streams that flowed eastward from the Rocky Mountains. The aggrading streams deposited gravel, sand, silt, and clay in the stream valleys that had been eroded into the pre-Ogallala land surface. Eventually, the valleys were filled and buried, and thick deposits of Ogallala sediments extended over a vast area. Subsequent changes in geologic and climatic conditions caused streams to begin degrading, and new stream valleys were eroded into the surface of the Ogallala sediments. Present stream valleys of eastern Colorado and New Mexico do not necessarily correspond to the location of the ancient stream valleys. The resulting thickness of the Ogallala sediments is irregular and ranges from 0 to about 500 feet in a few buried valleys. Ogallala sediments are thinner near the margins of the aquifer and near high areas of the bedrock surface.

Era	System	Series	Stratigraphic unit	Hydrogeologic unit	Physical characteristics
Cenozoic	Quaternary	Holocene and Pleistocene	Alluvial deposits, valley fill deposits and dune sand	High Plains aquifer	Gravel, sand, silt, and clay
					Unconsolidated, poorly sorted gravel, sand, silt, and clay
	Tertiary	Upper Miocene	Ogallala Formation		Sandstone, fine to very fine. Local beds of volcanic ash, siltstone, claystone, and marl
			Arkaree Formation		Siltstone with sandstone as beds and channel deposits
	Lower	Oligocene	Braze Formation	Confining unit	Clay and silt
			Chadron Formation		
			White River Group		

Modified from Gutentag and others, 1984

Figure 67. Geologic units ranging in age from Oligocene to Quaternary compose the High Plains aquifer. The permeable units consist of sand, sandstone, and gravel.

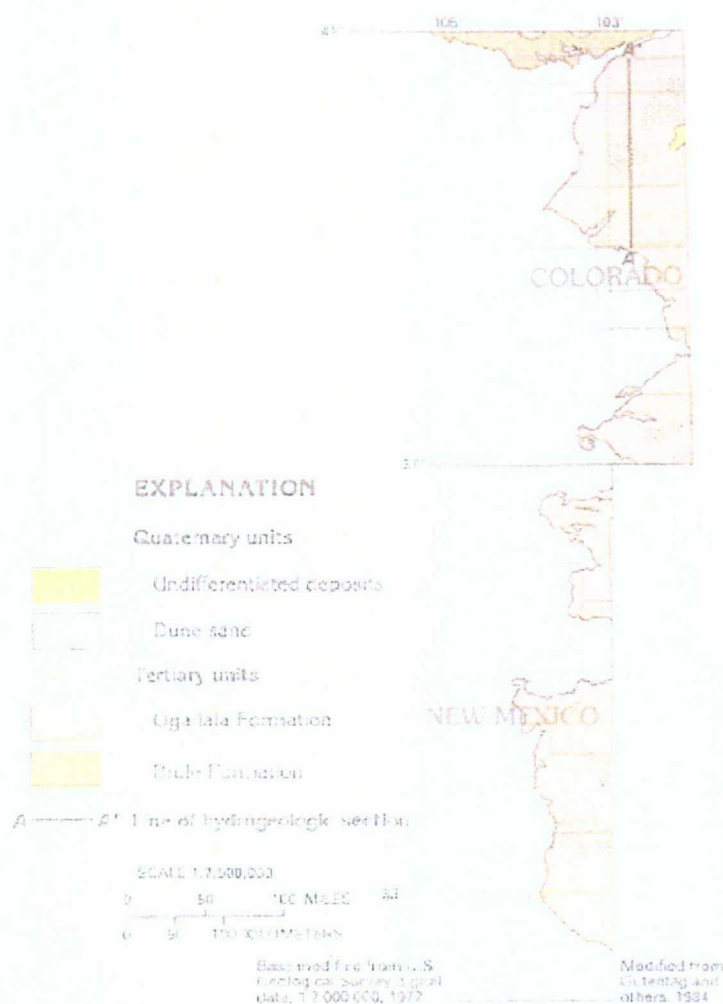


Figure 68. The principal geologic unit in the High Plains aquifer of eastern Colorado and New Mexico is the Ogallala Formation.

Reference:

Robson, S. G. and Banta, E. R., GROUND WATER ATLAS of the UNITED STATES
Arizona, Colorado, New Mexico, Utah, U.S. Geological Survey; Contents of HA 730-C,
1995

EXHIBIT IX

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

WELLS MAY BE STIMULATED AS NEEDED WITH +/- 1000 GAL 15% NEFE ACID.

EXHIBIT X

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

ALL LOGS AND ORIGINAL TEST DATA ON FILE WITH OIL CONSERVATION DIVISION.

EXHIBIT XI

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD., SUITE 106
AUSTIN, TX 78746

WATER ANALYSIS FROM AREA FRESH WATER WELLS - SEE FOLLOWING/ATTACHED

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co.: VPR Operating
Lease: Sawyer Corral
Well No.:
Location: MAKE-UP WATER SOURCE
Attention:

Date Sampled: 1-5-2010
Date Analyzed: 06-January-2010
Lab ID Number: Jan0610.001- 2
Salesperson:
File Name: Jan0610.001

ANALYSIS

1. Ph 7.590
2. Specific Gravity 60/60 F 1.009
3. CaCO3 Saturation Index @ 80F 0.876 Moderate
@ 140F 1.476 Severe

Dissolved Gasses

4. Hydrogen Sulfide Not Present
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

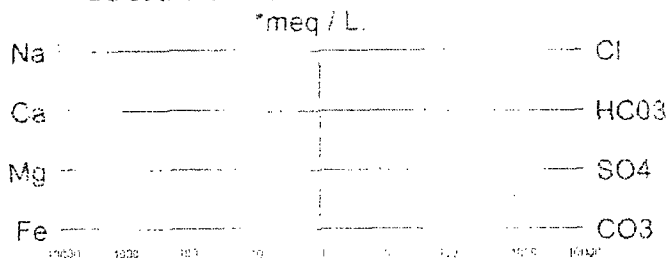
Cations

- | | | | |
|------------------------------|----------------|----------|------|
| 7. Calcium (Ca++) | 104 | / 20.1 = | 5.17 |
| 8. Magnesium (Mg++) | 58 | / 12.2 = | 4.75 |
| 9. Sodium (Na+) (Calculated) | 114 | / 23.0 = | 4.96 |
| 10. Barium (Ba++) | Not Determined | | |

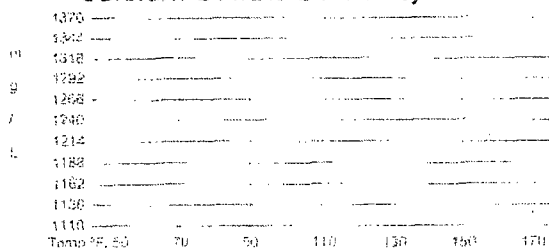
Anions

- | | | | |
|--------------------------------------|------------------|----------|------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 207 | / 61.1 = | 3.39 |
| 14. Sulfate (SO4=) | 350 | / 48.8 = | 7.17 |
| 15. Chloride (Cl-) | 150 | / 35.5 = | 4.23 |
| 16. Total Dissolved Solids | 983 | | |
| 17. Total Iron (Fe) | 0.75 | / 18.2 = | 0.04 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 498 | | |
| 20. Resistivity @ 75 F. (Calculated) | 2.851 Ohm-meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L
Ca(HCO3)2	3.39		81.04		275
CaSO4	1.79		68.07		122
CaCl2	0.00		55.50		0
Mg(HCO3)2	0.00		73.17		0
MgSO4	4.75		60.19		286
MgCl2	0.00		47.62		0
NaHCO3	0.00		84.00		0
NaSO4	0.63		71.03		45
NaCl	4.23		58.46		247

* milliequivalents per Liter

Elisabeth Andrews, Analyst

Permian Treating WATER ANALYSIS REPORT

SAMPLE

Oil Co. : VPR Operating
Lease : Sawyer Corral
Well No. South
Location: MAKE-UP WATER SOURCE
Attention:

Date Sampled : 1-5-2010
Date Analyzed: 06-January-2010
Lab ID Number: Jan0610.001- 3
Salesperson :
File Name : Jan0610.001

ANALYSIS

1. Ph 7.670
2. Specific Gravity 60/60 F. 1.007
3. CACO3 Saturation Index @ 80F 0.862 Moderate
@ 140F 1.462 Severe

Dissolved Gasses

4. Hydrogen Sulfide Not Present
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

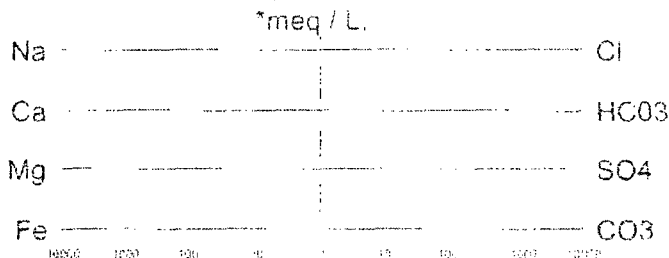
Cations

- | | | | |
|------------------------------|--------------|----------|------|
| 7. Calcium (Ca++) | 76 | / 20.1 = | 3.78 |
| 8. Magnesium (Mg++) | 40 | / 12.2 = | 3.28 |
| 9. Sodium (Na+) (Calculated) | 120 | / 23.0 = | 5.22 |
| 10. Barium (Ba++) | Less than 10 | | |

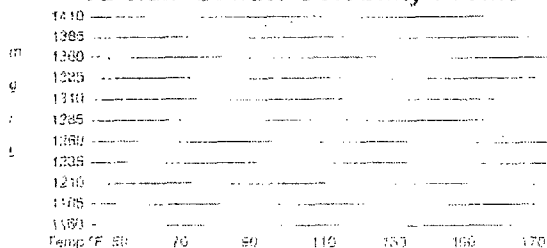
Anions

- | | | | |
|--------------------------------------|------------------|----------|------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 229 | / 61.1 = | 3.75 |
| 14. Sulfate (SO4=) | 275 | / 48.8 = | 5.64 |
| 15. Chloride (Cl-) | 100 | / 35.5 = | 2.82 |
| 16. Total Dissolved Solids | 840 | | |
| 17. Total Iron (Fe) | 0.75 | / 18.2 = | 0.04 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 356 | | |
| 20. Resistivity @ 75 F. (Calculated) | 2.757 Ohm-meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	3.75		81.04		304
CaSO4	0.03		68.07		2
CaCl2	0.00		55.50		0
Mg(HCO3)2	0.00		73.17		0
MgSO4	3.28		60.19		197
MgCl2	0.00		47.62		0
NaHCO3	0.00		84.00		0
NaSO4	2.32		71.03		165
NaCl	2.82		58.46		165

* milliequivalents per Liter

Elisabeth Andrews, Analyst

EXHIBIT XII

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD. SUITE 106
AUSTIN, TX 78746

ENGINEERING AND GEOLOGICAL CONSULTANTS IN ADDITION TO VPR OPERATING PERSONNEL HAVE REVIEWED ALL AVAILABLE DATA AND SEE NO EVIDENCE OF OPEN FAULTS, HYDROLOGIC CONNECTION, OR OTHER MEANS OF THE PROPOSED INJECTION INTERVAL TO UNDERGROUND SOURCES OF DRINKING WATER.

EXHIBIT XIII

C-108 FILING

VPR OPERATING, LLC
1406 CAMP CRAFT RD, SUITE 106
AUSTIN, TX 78746

PLEASE FIND ATTACHED/FOLLOWING "PROOF OF NOTICE" OF THIS APPLICATION