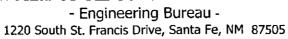
12-12/2014

5 ad

PMA-1434654313

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION





ADMINISTRATIVE ADDITION CHECK

—	THIS CHECKLIST IS MA	ANDATORY FOR ALL ADMINISTRATIVE APPLICATION	IS FOR EXCEPTIONS TO DIVISION RULES	AND REGULATIONS
		WHICH REQUIRE PROCESSING AT THE D	DIVISION LEVEL IN SANTA FE	,
whhii	[DHC-Dowi	si ndard Location] [NSP-Non-Standard Pror nhole Commingling] - [CTB-Lease Comm ol Commingling] - [OLS - Off-Lease Stora [WFX-Waterflood Expansion] - [PMX-Pre [SWD-Salt Water Disposal] - [IPI-Inje [lified Enhanced Oil Recovery Certification	ingling] [PLC-Pool/Lease Com age] [OLM-Off-Lease Measurer ssure Maintenance Expansion] ection Pressure Increase]	mingling] nent]
[1]	TYPE OF AP [A]	PLICATION - Check Those Which Apply Location - Spacing Unit - Simultaneous I NSL NSP SD		etmicum curp 75
	Check [B]	One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC	PC OLS OLM	Andromeda Suv#1
	[C]	Injection - Disposal - Pressure Increase - WFX PMX SWD	Enhanced Oil Recovery IPI	30-015-Pendin Poul -Suo; DevoniAn
	[D]	Other: Specify		-Suo pevoniAn
[2]	NOTIFICATI [A]	ION REQUIRED TO: - Check Those Wh Working, Royalty or Overriding Roy	ich Apply, or □ Does Not Apply	96101
	[B]	Offset Operators, Leaseholders or Su	urface Owner	
	[C]	Application is One Which Requires	Published Legal Notice	
	[D]	Notification and/or Concurrent Appl U.S. Bureau of Land Management - Commissioner of Po	roval by BLM or SLO ublic Lands, State Land Office	
	[E]	For all of the above, Proof of Notific	cation or Publication is Attached, a	nnd/or,
	[F]	☐ Waivers are Attached		
[3]		CURATE AND COMPLETE INFORMATION INDICATED ABOVE.	ATION REQUIRED TO PROC	ESS THE TYPE
	val is <mark>accurate</mark> a	FION: I hereby certify that the information and complete to the best of my knowledge. quired information and notifications are sub-	I also understand that no action w	
	Note:	Statement must be completed by an individual wi	th managerial and/or supervisory capac	ity.
<u></u>	amps M. H:	V SullAtt	Area Engineer	12-12-14
Print :	or Type Name	N Signature	Mikeh & yates po	2 troloum. Com

MARTIN YATES, III

FRANK W. YATES 1936-1986

5.P. YATES



JOHN A. YATES

JOHN A. YATES JR.
GHAIRMAN OF THE BOARD
PRESIDENT

JOHN O. PERINI EXECUTIVE VICE PRESIDENT CHIEF FINANCIAL OFFICER

ARTESIA, NEW MEXICO 88210 2118 | | 3:5 JAMES S. BROWN

TELEPHONE (575) 748-1471

www.yatespetroleum.com

November 20, 2014

New Mexico Energy & Minerals Department Oil Conservation Division 1220 South Saint Francis Drive Santa Fe, New Mexico 87505-5472,

Dear Mr. Philip Goetze,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) for Yates Petroleum Corporation's Andromeda SWD # 1 located in unit letter "C" of Sec. 25, T26S, R27E in Eddy County, New Mexico.

Yates Petroleum Corporation seeks to optimize efficiency, both economically and operationally, of its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the July 14, 2013 edition of the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included in this application package. This application also includes wellbore schematics, area of review maps and other required information for a complete Form C-108. This well is located on federal lands and a copy of this application has been sent to the Bureau of Land Management.

Should you have any questions, please feel free to contact me at (575) 748-4219.

Sincerely,

James M. Hill (Mike)

Area Engineer

Enclosure

C-108 Application for Authorization to Inject Yates Petroleum Corporation Andromeda SWD # 1

Unit Letter C, 660' FNL & 2,340' FWL of Sec. 25, T26S, R27E Eddy County, New Mexico

API No. Not available, but the APD has been applied for.

I. The purpose of drilling and completing this well is to make a disposal well for produced water from the Bone Springs formation. The water would be injected into the Devonian formation.

Yates Petroleum Corporation plans to drill a new disposal well into the Devonian carbonate.

II. Operator:

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

James (Mike Hill) (575) 748-4219

III. Well Data:

See Attachment A

- IV. This is not an expansion of an existing project.
- V. See attached map, Attachment B.
- VI. No well within the area of review penetrated the proposed injection zone. (See Attachment C)
- VII. 1. Proposed average daily injection volume approximately 5,000 BWPD. Maximum daily injection volume approximately 20,000 BWPD.
 - 2. This will be a closed system.
 - 3. Proposed average injection pressure –unknown. Proposed maximum injection pressure 2,787 psi.
 - 4. Sources of injected water would be produced water from the Bone Springs formation. (Attachment D)
- VIII. 1. The proposed injection interval is the portion of the Devonian carbonates consisting of porous dolomite at an estimated depth of +/- 13,935'.

- 2. Possible Fresh water zones overlie the proposed injection formations at depths to approximately 50'. There are no fresh water zones underlying the formation.
- IX. The proposed disposal interval may be acidized with 20% HCL acid.
- X. New logs will be provided after the well has been drilled.
- XI. There is no water well within a one-mile radius of the subject location.
- XII. Yates Petroleum Corporation has examined geologic and engineering data and has found that there is no evidence of faulting in the proposed interval. (Attachment G)
- XIII. Proof of notice.
 - A. Certified letters sent to the surface owner and offset operators attached (Attachment E)
 - B. Copy of legal advertisement attached. (Attachment F)
- XIV. Certification is signed.

Yates Petroleum Corporation Andromeda SWD # 1 Unit Letter C, 660' FNL & 2,340' FWL Sec. 25, T26S, R27E Eddy County, New Mexico API No. (N/A New Drill Applied For)

Attachment A

III. Well Data

a.

- A. 1. Lease Name/Location
 Andromeda SWD # 1
 Unit Letter C Sec. 25, T26S, R27E
 Eddy County, New Mexico
 - Casing Strings:
 - Proposed well construction.

 20", 94#/ft. J-55 ST&C @ 400' w/ +\- 1,200 Ft^{\(\alpha\)} cemented to surface

 13-3/8", 54.5 & 68#/ft. J-55 ST&C @ 2,400' w/ +\- 3,335 Ft^{\(\alpha\)} cemented to surface

 9-5/8", 43.5#/ft. HCP-110 LT&C @ 9,000' w/ +\- 5,640 Ft^{\(\alpha\)} cemented to surface

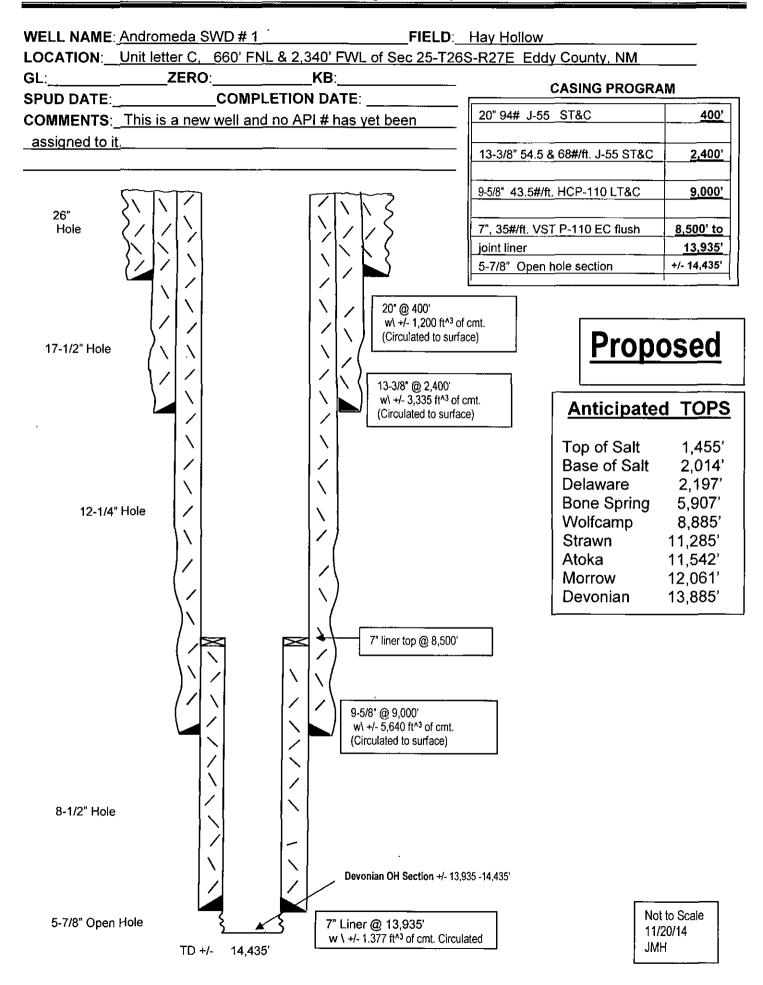
 7", 35#/ft. VST P-110 EC flush joint liner from 8,500' to 13,935' with +/
 1,377 Ft^{\(\alpha\)} cemented back to the 9-5/8" with 500' overlap.

 5-7/8" open hole will be drilled into the Devonian carbonate.
 - b. Present Status:

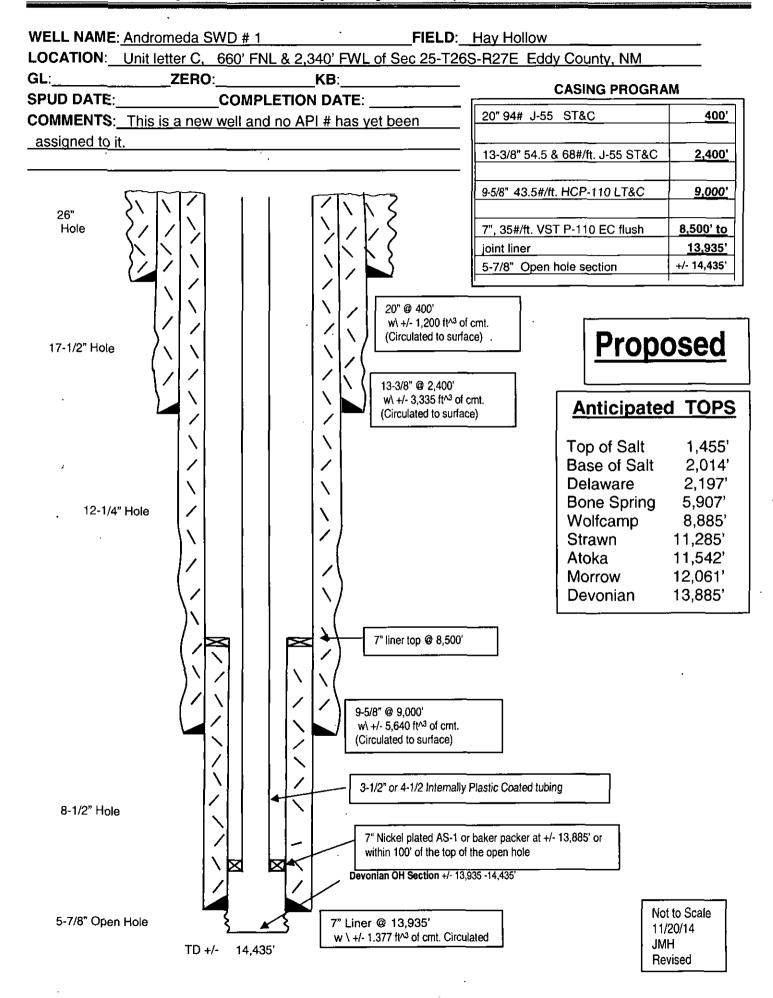
New undrilled proposed well

- 3. Proposed well condition:
 - Drill a new well top to bottom and cement all casing stings back to the surface. A 7" flush joint liner will be placed from 8,500' to +/- 13935' and cemented in place. Then +/- 500' of 5-7/8" open hole will then be drilled in the Devonian carbonate. Then 4-1/2" or 3-1/2" plastic-coated injection tubing will be placed in the well.
- 4. Propose to use an Arrowset or Baker plastic-coated or nickel-plated packer set at +/- 13,885' or within 100' of the top of the open hole.
- B. 1. Injection Formation: Devonian Carbonate
 - 2. Injection Interval will be Devonian open hole section from +/- 13,935'- 14,435'.
 - 3. This well will be used to dispose of Bone Springs water in the Devonian carbonate from (+/-13,935'-14,435') when work is completed.
 - 5. Next higher (shallower) oil or gas zone within 2 miles- Morrow. Next lower (deeper) oil or gas zone within 2 miles-None.

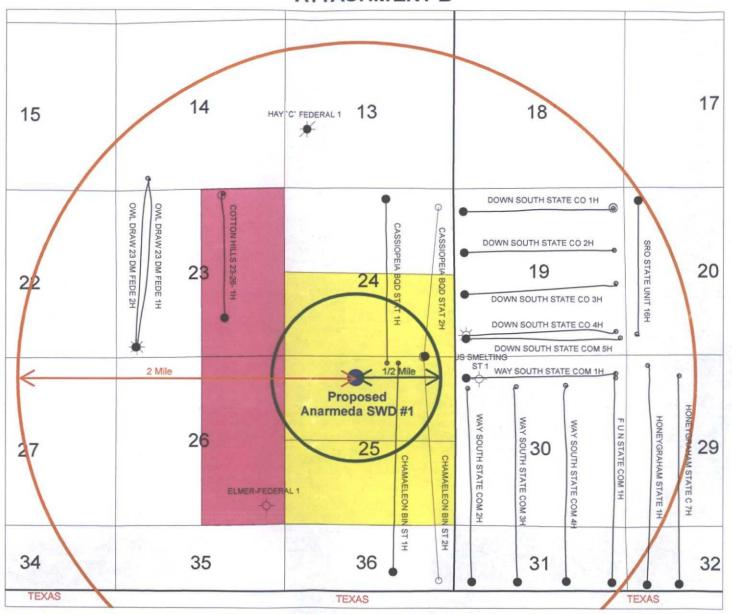
(Attachment "A") Proposed Injection well data



(Attachment "A") Proposed Injection well data



ATTACHMENT B



2 MILE RADIUS

1/2 MILE RADIUS

PROPOSED LOCATION

LEASES

YATES PETROLEUM
CHEVRON USA INC

NOTE: API No. Not Available, but the APD has been applied for.



ANDROMEDA SWD #1 Sec. 25, T26S, R27E Unit Letter C, 660 ' FNL & 2340' FWL Eddy County, NM

(Attachment C) page 1

(No Wells Penatrated the Proposed Injection Zone)

Well Data:

Wells with in the 1/2 Mile area of Review

API Number	Operator Name	Lease Name	We!! Num	Field Name		Total	Depth True Vertical	Formation at TD	Formation Producing Name
3001537942	YATES PETROLEUM CORP	CHAMAELEON BIN STATE COM	1H	HAY HOLLOW	HORIZONTAL	12783	6449	BONE SPRING	BONE SPRING
3001542059	YATES PETROLEUM CORP	CHAMAELEON BIN STATE COM	2H	HAY HOLLOW	HORIZONTAL	14595	7786	BONE SPRING	BONE SPRING
3001538082	YATES PETROLEUM CORP	CASSIOPEIA BQD STATE COM	1H	HAY HOLLOW	HORIZONTAL	11340	6395	BONE SPRING	BONE SPRING
3001541797	YATES PETROLEUM CORP	CASSIOPEIA BQD STATE COM	2H	HAY HOLLOW	HORIZONTAL	12482	7759	BONE SPRING	BONE SPRING

(Attachment C) page 2

(No Wells Penatrated the Proposed Injection Zone)

Well Data:

Wells with in the 2 Mile radius

API Number	Operator Name	Lease Name	Well Num	Field Name	Hole Direction	Depth Total Driller	Depth True Vertical	Formation at TD	Formation Producing Name
3001501160	CHAMBERS&KENEDY-RITCHIE	ELMER-FEDERAL	1_		VERTICAL	2400		UNKNOWN	
3001502535	HIGHLAND OIL COMPANY	US SMELTING-STATE	1	UNKNOWN	VERTICAL	2464		UNKNOWN	
300152414	ABO PETROLEUM CORP	HAY 'C' FEDERAL	1	HAY HOLLOW	VERTICAL	8400		BONE SPRING	BONE SPRING
3001537234	COG OPERATING LLC	WAY SOUTH STATE COM	1H	HAY HOLLOW	HORIZONTAL	10990	6578	BONE SPRING	BONE SPRING
3001537253	COG OPERATING LLC	DOWN SOUTH STATE COM	1	HAY HOLLOW	HORIZONTAL				
3001537254	COG OPERATING LLC	DOWN SOUTH STATE COM	2H	HAY HOLLOW	HORIZONTAL	12197	7675	BONE SPRING	BONE SPRING
3001537255	COG OPERATING LLC	DOWN SOUTH STATE COM	ЗН	HAY HOLLOW	HORIZONTAL	12247	7672	BONE SPRING	BONE SPRING
3001537256	COG OPERATING LLC	DOWN SOUTH STATE COM	4H	HAY HOLLOW	HORIZONTAL	11005	6570	BONE SPRING	BONE SPRING
3001537465	COG OPERATING LLC	HONEYGRAHAM STATE	1H	HAY HOLLOW	HORIZONTAL	13174	6459	BONE SPRING	BONE SPRING
3001537658	COG OPERATING LLC	SOUTH BOX STATE	1H	HAY HOLLOW	HORIZONTAL				
3001537659	COG OPERATING LLC	NEAR TX STATE COM	1H	HAY HOLLOW	HORIZONTAL				
3001537879	COG OPERATING LLC	F U N STATE COM	1H	HAY HOLLOW	HORIZONTAL	12649	6461	BONE SPRING	BONE SPRING
3001538071	COG OPERATING LLC	SRO STATE UNIT	16H	HAY HOLLOW	HORIZONTAL	10684	6626	BONE SPRING	BONE SPRING
3001538595	COG OPERATING LLC	HONEYGRAHAM STATE COM	7H	HAY HOLLOW	HORIZONTAL	12920	6615	BONE SPRING	BONE SPRING
300154033	COG OPERATING LLC	WAY SOUTH STATE COM	5H	HAY HOLLOW	HORIZONTAL				
3001540336	COG OPERATING LLC	WAY SOUTH STATE COM	2H	HAY HOLLOW	HORIZONTAL	13630	7753	BONE SPRING	BONE SPRING
3001540369	COG OPERATING LLC	WAY SOUTH STATE COM	ЗН	HAY HOLLOW	HORIZONTAL	13676	7758	BONE SPRING 2	BONE SPRING
3001540370	COG OPERATING LLC	WAY SOUTH STATE COM	4H	HAY HOLLOW	HORIZONTAL	13740	7744	BONE SPRING	BONE SPRING
3001541144	COG OPERATING LLC	WAY SOUTH STATE COM	5H	HAY HOLLOW	HORIZONTAL				
3001541400	COG OPERATING LLC	DOWN SOUTH STATE COM	5H	HAY HOLLOW	HORIZONTAL	12240	7642	BONE SPRING	BONE SPRING
3001541442	COG OPERATING LLC	DOWN SOUTH STATE COM	1H	HAY HOLLOW	HORIZONTAL	12188	7782	BONE SPRING	BONE SPRING
3001541448	MEWBOURNE OIL COMPANY	OWL DRAW 23 DM FEDERAL COM	1H	UNNAMED	HORIZONTAL	14900	10091	WOLFCAMP	WOLFCAMP
3001541535	CHEVRON USAINC	COTTON HILLS 23-26-27 FEDERAL COM	1 H	UNNAMED	VERTICAL	10354	10350	WOLFCAMP	
3001541535	CHEVRON U.S.A.INC	COTTON HILLS 23-26-27 FEDERAL COM	1H	UNNAMED	HORIZONTAL	13037	9265	WOLFCAMP	WOLFCAMP
3001541629	MEWBOURNE OIL COMPANY	OWL DRAW 23 DM FEDERAL COM	2H	HAY HOLLOW	HORIZONTAL	12530	7569	BONE SPRING	BONE SPRING
3001542326	COG OPERATING LLC	WAY SOUTH STATE COM	6H	HAY HOLLOW	HORIZONTAL			_ "	

Attachment D

Representative Sources of injected water

Water Analysis's from the following Yates Petroleum wells attached:

Bolivar "BRD" Federal Com #1H Unit I, Sec. 33-T24S-R27E Eddy County, New Mexico API No.30-015-40742

Bodacious "BSM" Federal #1H Unit M, Sec. 1-T26S-R26E Eddy County, New Mexico API No. 30-015-41158

Jericho "BKJ" State Com #2H Unit A, Sec. 15-T25S-R27E Eddy County, New Mexico API No. 30-015-37500

North Permian Basin Region P.O. Box 740 Sundown, TX 79372-0740 (806) 229-8121 Lab Team Leader - Sheila Hernandez (432) 681-8300

Water Analysis Report by Baker Petrolite

Company:

YATES PETROLEUM INC

Sales RDT:

33514.1

Region:

PERMIAN BASIN

Account Manager: TONY HERNANDEZ (575) 910-7135

Area:

ARTESIA, NM

Sample #:

664630

Lease/Platform:

Analysis ID #:

137915

Entity (or well #):

BOLIVAR 'BRD' FEDERAL COM

Analysis Cost:

\$90.00

Formation:

UNKNOWN

Sample Point:

KNOCK OUT

Summary	1		Analysis of Sample 664630 @ 75 ℉							
Sampling Date:	10/29/13	Anions	mg/l	meq/l	Cations	mg/l	meq/l			
	11/05/13	Chloride:	125542.0	3541.08	Sodium:	58881.0	2561.18			
Analyst: SANDRA SANCHEZ		Bicarbonate:	134.2	2.2	Magnesium:	1233.0	101.43			
700 (mail as alm2).	198762.7	Carbonate:	0.0	0.	Calcium:	9782.0	488.12			
	1.135	Sulfate:	948.0	19.74	Strontium:	1280.0	29.22			
Density (g/cm3, tonne/m3): Anion/Cation Ratio: 0.	.8996216	Phosphate:			Barium:	2.0	0.03			
Anion/Cation Ratio. U.	.6990216	Borate:			Iron:	77.0	2.78			
	i i	Silicate:			Potassium:	882.0	22.56			
					Aluminum:					
Carbon Dioxide: 300	PPM	Hydrogen Sulfide:		0 PPM	Chromium:					
Oxygen:		pH at time of sampling:		6.6	Copper:					
Comments:	ŀ	,		0.0	Lead:					
		pH at time of analysis:			Manganese:	1.500	0.05			
	I	pH used in Calculation	ı:	6.6	Nickel:					

Cond	itions	S Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
	Gauge Calcite Gypsum Anhydrite Press. CaCO ₃ CaSO ₄ *2H ₂ 0 CaSO ₄		•	Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press				
F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.44	6.65	-0.13	0.00	-0.11	0.00	0.64	344.64	0.95	0.87	0.22
100	0	0.51	7.81	-0.20	0.00	-0.11	0.00	0.62	336.25	0.75	0.87	0.28
120	0	0.57	9.25	-0.26	0.00	-0.09	0.00	0.61	332.49	0.57	0.87	0.34
140	0	0.64	10.99	-0.31	0.00	-0.05	0.00	0.61	331.92	0.42	0.58	0.4

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

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

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

North Permian Basin Region P.O. Box 740 Sundown, TX 79372-0740 (806) 229-8121 Lab Team Leader - Sheila Hernandez (432) 681-8300

Water Analysis Report by Baker Petrolite

Company: YATES PETROLEUM INC Sales RDT: 33514.1

Region: PERMIAN BASIN Account Manager: TONY HERNANDEZ (575) 910-7135

Area: ARTESIA, NM Sample #: 664629

Lease/Platform: BODACIOUS 'BSM' FEDERAL Analysis ID #: 137913

Entity (or well #): 1 H Analysis Cost: \$90.00

Formation: UNKNOWN

Sample Point: KNOCK OUT

Summa	гу		Ar	alysis of Sa	mple 664629 @ 75	ፑ	
Sampling Date:	10/24/13	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	11/05/13	Chloride:	96137.0	2711.67	Sodium:	45133.0	1963.17
Analyst: SAN	DRA SANCHEZ	Bicarbonate:	146.4	2.4	Magnesium:	868.0	71.41
TDO /()(454005.4	Carbonate:	0.0	0.	Calcium:	6136.0	306.19
TDS (mg/l or g/m3):	151335.4	Sulfate:	732.0	15.24	Strontium:	1441.0	32.89
- 1-	Density (g/cm3, tonne/m3): 1.105				Barium:	3.5	0.05
Anion/Cation Ratio:	0.8768546	Borate:			Iron:	57.0	2.06
		Silicate:			Potassium:	680.0	17.39
		1	•	· ·	Aluminum:		
Carbon Dioxide:	300 PPM	Hydrogen Sulfide:		0 PPM	Chromium:		
Oxygen:		pH at time of sampling:		6.3	Copper:		
Comments:		,		0.3	Lead:		
		pH at time of analysis:			Manganese:	1.500	0.05
		pH used in Calculation:	:	6.3	Nickel:		

Condi	Conditions Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl											
Gauge Press.		Calcite CaCO ₃			Gypsum CaSO ₄ 2H ₂ 0		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.06	0.00	-0.39	0.00	-0.39	0.00	0.70	314.91	1.20	1.82	0.53
100	0	0.03	0.61	-0.46	0.00	-0.39	0.00	0.68	309.46	1.00	1.82	0.66
120	0	0.12	3.03	-0.51	0.00	-0.36	0.00	0.67	307.04	0.83	1.51	0.79
140	0	0.22	5.45	-0.55	0.00	-0.31	0.00	0.67	307.04	0.68	1.51	0.92

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

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

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

North Permian Basin Region P.O. Box 740 Sundown, TX 79372-0740 (806) 229-8121 Lab Team Leader - Sheila Hemandez (432) 495-7240

Water Analysis Report by Baker Petrolite

Company:

YATES PETROLEUM INC

Sales RDT:

33514.1

Region:

PERMIAN BASIN

Account Manager: TONY HERNANDEZ (575) 910-7135

Area:

ARTESIA, NM

Sample #:

215451

Lease/Platform:

JERICHO BKJ LEASE

Analysis ID #:

104195

Entity (or well #):

2 H

Analysis Cost:

\$90.00

Formation:

UNKNOWN

Sample Point:

HEATER TREATER

-		Analysis of Sample 215451 @ 75 F							
Sampling Date:	10/27/10	Anions	mg/l	meq/l	Cations	mg/l	meq/l		
Analysis Date:	11/01/10	Chloride:	120700.0	3404.51	Sodium:	76652.4	3334.19		
Analyst:	STACEY SMITH	Bicarbonate:	1830.0	29.99	Magnesium:	302.0	24.84		
FDC (202649.5	Carbonate:	0.0	0.	Calcium:	1013.0	50.55		
TDS (mg/l or g/m3):		Sulfate:	640.0	13.32	Strontium:	215.0	4.91		
Density (g/cm3, tonne/ Anion/Cation Ratio:	maj: 1.102	Phosphate:			Barium:	8.0	0.01		
anion/Cation Ratio:	•	Borate:			Iron:	16.0	0.58		
		Silicate:			Potassium:	1280.0	32.73		
					Aluminum:				
Carbon Dioxide:	520 PPM	Hydrogen Sulfide:		0 PPM	Chromium:				
Oxygen:		pH at time of sampling:		7.8	Copper:				
Comments:				7.0	Lead:				
		pH at time of analysis:			Manganese:	0.300	0.01		
		pH used in Calculation	n:	7.8	Nickel:				

Cond	Conditions Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl											
Temp	Gauge Press.		alcite aCO ₃		sum 04*2H ₂ 0	ł.	ydrite aSO ₄		estite 'SO ₄		rite ISO ₄	CO ₂ Press
F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.84	213.81	-1.20	0.00	-1,17	0.00	-0.23	0.00	0.46	0.29	0.25
100	0	1.69	226.75	-1.29	0.00	-1.19	0.00	-0.27	0.00	0.24	0.29	0.51
120	0	1.56	240.28	-1.36	0.00	-1.19	0.00	-0.2 9	0.00	0.05	0.00	0.93
140	0	1.47	254.67	-1.43	0.00	-1.16	0.00	-0.30	0.00	-0.11	0.00	1.55

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

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

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

Offset Operators / Mineral Owners/ Surface Owner

Andromeda SWD # 1
Unit Letter C, 660' FNL & 2,340' FWL
Sec. 25, T26S, R27E
Eddy County, New Mexico
API No. (N/A New Drill Applied For)

Attachment E

Certified Notification Letters Sent to:

Offset Operators / Mineral Owners:

Chevron USA Inc. – E2 23 and E2 26 P.O. Box 2100 Houston, TX 77252

Yates Petroleum Corporation – S2 24 and N2 25 and S2 25 105 South $4^{\rm Th}$ Artesia, NM 88210

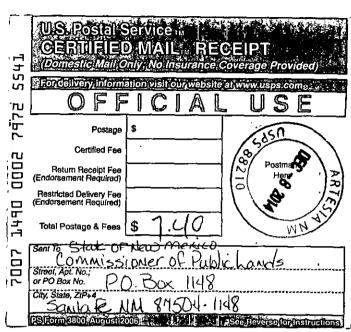
Surface Owner:

State of New Mexico Commissioner of Public Lands P.O. Box 1148 Santa Fe, NM 87504-1148

Attachment E

Certified Mail Receipts:

558	US: Postal Service (CERTIFIED MAIL RECEIPT) (Domestic Mail Only: No Insurance Coverage Provided)
'n	For delivery information visit our website at www.usps.como with the
, -,	
гu	OFFICIALUSE
782	Postage \$
п	Certified Fee
0005	Return Receipt Fee (Endorsement Required) Restricted Delivery Fee
	Restricted Delivery Fee (Endorsement Required)
1490	Total Postage & Fees \$
7007	Seri To Charon USA INC Street, Apt. No.;
5	or PO Box No. + . () . + \(\) \(
	City, State, ZIP-4 NOUSHON TX 777252
igcup	FSGonnesion Adjust 12005 Activities And Science for Instructions



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Attachment F

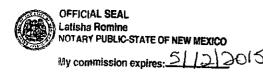
Legal Notice

Yates Petroleum Corporation, 105 south Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well the Andromeda SWD # 1 will be located in unit letter "C" of Sec. 25, T26S, R27E in Eddy County, New Mexico and will be used for saltwater disposal. Disposal waters from the Bone Spring will be re-injected into the Devonian at a depth of approximately 13,935' with a maximum pressure of 2,787 psi and a maximum rate of 20,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472, within 15 days. Additional information can be obtained by contacting Mike Hill at (575) 748-4219.

Af idavit of Publica ion

Al luavi	or r ub	nea ion				
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Danny Scott	m)	X/Car				
being duly sworn, sayes	that he is the	Publisher				
of the Artesia Daily Pres	s, a daily newspa	per of General				
circulation, published in	English at Artesi	a, said county				
and state, and that the he	reto attached					
Legal	Notice					
was published in a regul	ar and entire issu	e of the said				
Artesia Daily Press, a da	ily newspaper du	ly qualified				
for that purpose within the	ne meaning of Ch	apter 167 of				
the 1937 Session Laws	of the state of Ne	w Mexico for				
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day as follows:						
First Publication	Novem	per 23, 2014				
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Third Publication						
Fourth Publication						
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Sixth Publication		<u> </u>				
Subscribed and sworn be	fore me this	•				
3rd day of Dec	ember	2014				



Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Pu) ication:

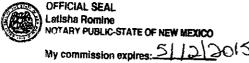
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Published in the Artesia Daily Press, Artesia, N.M., November 23, 2014 Legal ; No. 23260.

At idavit of Pu) ica ion							
	No.	23260					
State of New Mexico)						
County of Eddy:	/	1/2					
Danny Scott / am X / Car							
being duly sworn, sayes	that he is the	Publisher					
of the Artesia Daily Press, a daily newspaper of General							
circulation, published in English at Artesia, said county							
and state, and that the hereto attached							
Legal Notice							
was published in a regular and entire issue of the said							
Artesia Daily Press, a daily newspaper duly qualified							
for that purpose within the meaning of Chapter 167 of							
the 1937 Session Laws of the state of New Mexico for							
1 Consecutive weeks/day on the same							
day as follows:							
First Publication	No.	vember 23, 2014					
Second Publication							
Third Publication							
Fourth Publication							
Fifth Publication							
Sixth Publication							
Subscribed and sworn before me this							
3rd day of De	cember	2014					
OFFICIAL SEAL							



Latisha Romine

Notary Public, Eddy County, New Mexico

Co by of Publication:

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Published in the Artesia Daily Press, Artesia, N.M., November 23, 2014 Legal No. 23260.

Attachment G

C-108 Application for Authorization to Inject
Yates Petroleum Corporation
Andromeda SWD # 1
Unit Letter C, 660' FNL & 2,240' FWL
Sec. 25, T26S, R27E
Eddy County, New Mexico
API No. (N/A New Drill Applied For)

Available engineering and geological data have been examined and no evidence of open faults of hydrologic connection between the disposal zone and any underground sources of drinking water has been found.

Tim Miller

Geologist

Yates Petroleum Corporation

///2///4 Date

				_			
					Suspended: [Ver 15]		
ORDER TYPE: WFX / PMX SWD Number: 1534 Order Date: Legacy Permits/Orders:							
Well No. 1 Well Name(s): Androne de 5 CD							
API: 30-0 16 - Pending Sound Date: TBP New or Old: A1 (INC Class II Primacy 03/07/1982)							
API: 30-0 15-Pending Spud Date: TBA New or Old: N (UIC Class II Primacy 03/07/1982) 660 Fn L Footages 2340 FL L Lot or Unit C Sec 25 Tsp 265 Rge 275 County Edd,							
General Location: 2205 w MALAGA Pool: SWD; Devonte Pool No.: 9607 BLM 100K Map: CANSBAD Operator: Petroleym OGRID: 25575 Contact: Nother Hou							
COMPLIANCE RULE 5.9: Total Wells: 23/1 Inactive: 5 Fincl Assur: Y Compl. Order: IS 5.9 OK? Y Date: 3-02-2-05							
WELL FILE REVIEWED Current Status: Proposition							
WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: Logs in Imaging:							
Planned Rehab Work to Well: Nowe For new well							
Well Construction Details	Sizes (in)	Setting		Cement	Cement Top and		
	Borehole / Pipe	Depths (ft)	1	Sx oct	Determination Method		
Planned _or Existing _ Surface		400	Stage Tool	1200	Surface.		
Planned_or ExistingInterm/Prod	17/2/133/60	2400		3335	SUPFLICE		
Planned_or Existing _Interm/Prod	1244/96/8	9000		5640	Surface		
Planned_or Existing Prod/Liner	8 /2"/7"	13435			8500		
Planned_or Existing Liner							
Planned_or Existing PERF	13935 -		Inj Length	Completion	/Operation Details:		
Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining	Tops	Drilled TD <u>14435</u> PBTD			
Adjacent Unit: Litho. Struc. Por.		Units Morrow	1206	NEW TD	NEW PBTD		
Confining Unit: Litho. Struc. Por.	Ø	7 - C - C - C - C - C - C - C - C - C -	7 200 0	1	or NEW Perfs ()		
Proposed Inj Interval TOP:	13935	Devonita	13885	Tubing Size 4	in. Inter Coated?		
Proposed Inj Interval BOTTOM:	14 33.5		-	Proposed Packer Depth 13885 ft			
Confining Unit: Litho. Struc. Por.				· ·	13 835 (100-ft limit)		
Adjacent Unit: Litho. Struc. Por.				Proposed Max. Surface Press. 2787psi			
AOR: Hydrologic a	<u>nd Geologic In</u>	<u>formation</u>		Admin. Inj. Press.	<u> </u>		
POTASH: R-111-P Noticed?_	BLM Sec Ord	WIPP () Noticed?_	Salt/Sa	ılado T:B:	NW: Cliff House fm		
FRESH WATER: Aquifer Max Depth HYDRO AFFIRM STATEMENT By Qualified Person 🕒							
NMOSE Basin: (Avl. Slove) CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? FW Analysis							
Disposal Fluid: Formation Source(s) Bone Spaina Analysis? On Lease Operator Only Oor Commercial							
Disposal Int: Inject Rate (Avg/Max BWPD): 509/2000 Protectable Waters? Source: System: Closed For Open O							
HC Potential: Producing Interval?_NO Formerly Producing?_NO Method: Logs/DST/P&A/Other_Mable 4 2-Mile Radius Pool Map							
AOR Wells: 1/2-M Radius Map? Well List? Total No. Wells Penetrating Interval: Horizontals?							
Penetrating Wells: No. Active Wells Num Repairs? on which well(s)? Diagrams?							
Penetrating Wells: No. P&A Wells							
NOTICE: Newspaper Date 11-23-204 Mineral Owner Nusco Surface Owner Nusco N. Date 12-8-14							
RULE 26.7(A): Identified Tracts?					ر رو <u>۱ - ح- ۱ - ۱ - ۷</u> N. Date		
Order Conditions: Issues:							
Add Order Cond: C3	- For	95/897"	<i>'</i>		v		