3/05/2014

PMAM1406456785

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE **Application Acronyms:** [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [PC-Pool Commingling] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] [1]**TYPE OF APPLICATION** - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication \square NSL \square NSP \square SD Check One Only for [B] or [C] Commingling - Storage - Measurement \square DHC \square CTB \square PLC \square PC \square OLS \square OLM Injection - Disposal - Pressure Increase - Enhanced Oil Recovery [C] □ WFX □ PMX □ SWD □ IPI □ EOR □ PPR [D]Other: Specify [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or □ Does Not Apply Working, Royalty or Overriding Royalty Interest Owners [A] 30-025-41697 [B] Offset Operators, Leaseholders or Surface Owner [C]Application is One Which Requires Published Legal Notice Notification and/or Concurrent Approval by BLM or SLO [D] U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office For all of the above, Proof of Notification or Publication is Attached, and/or, [E] [F] Waivers are Attached SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] OF APPLICATION INDICATED ABOVE. **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative [4] approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division. Note: Statement must be completed by an individual with managerial and/or supervisory capacity. **Regulatory Analyst** Kim Tyson 2-27-2014 Print or Type Name Date kimt@forl.com

e-mail Address

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? Yes No
II.	OPERATOR: Fasken Oil and Ranch, Ltd.
	ADDRESS: 6101 Holiday Hill Road, Midland, TX 79707
	CONTACT PARTY: Kim Tyson PHONE: 432-687-1777
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? YesXNo 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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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: Kim Tyson TITLE: Regulatory Analyst_
	SIGNATURE: DATE: 2-27-2014
*	E-MAIL ADDRESS: <u>kimt@forl.com</u> 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.

III. Well Data

A) Tabular Well Data

- Laguna "16" State SWD No. 8
 Surface: 480' FSL & 390' FEL
 Bottom Hole: 480' FSL & 390' FEL
 Sec. 16, Unit P, T-20-S, R-32-E
- Surface Casing: 20", 133#/ft @ 1050', cemented with 1550 sx for TOC at surface.

Salt Protect Casing: 13-3/8" 54.5 & 61#/ft @ 2600', cemented with 1750 sx for TOC at surface.

Intermediate Casing: 9-5/8" 40# @ 4600'. DV Tool @ 3000'. Cemented to surface (circulated cement) w/ 600 sx Light "C" and "C" + 800 sx Light "C" and "C".

Production Casing: 7" 29#/ft @ 14,370'. Cemented with 1350 sx for TOC at 4000' determined by CBL.

- 3. 4-1/2" 12.75#/ft L-80 IPC tubing at 14300'.
- 4. Packer Type nickel plated Arrowset 1X 10K casing packer IPC wetted parts with on/off tool. Packer will be set at 14,300'.
- B) Proposed Injection Formation Data
 - 1. Injection Formation Name: Devonian
 - 2. Injection Interval 14,370' to 15,800' Open Hole
 - 3. Original Purpose of Well Devonian SWD.
 - 4. None well to be drilled.
 - 5. Next Higher Oil/Gas Productive Zone Morrow @ 13,186 Next Lower Oil/Gas Productive Zone – unknown

VII. Proposed Operation

- Average Daily Rate 20,000 BPD Maximum Daily Rate – 30,000 BPD
- 2. This will be a closed system.
- 3. Average Injection Pressure 2000 psi Maximum Injection Pressure – 2874 psi

- 4. Produced water from the Atoka, Bone Springs, Delaware, Morrow, Strawn, Wolfcamp, and Yates formations will be injected into the Devonian interval. (See attached compatibility analysis). Atoka water samples are unavailable due to the lack of wells producing from these formations in this area at this time.
- 5. See attached Devonian chemical analysis.

VIII. Geologic Data

1. Formation Tops

Formation Name	Measured Depth (ft.)
	4 000
Rustler	1,003
Yates	2,594
Delaware	4,726
Bone Spring	7,675
1st Bone Spring	8,750
2nd Bone Spring	9,021
3rd Bone Spring	9,916
Strawn	11,806
Atoka	12,158
Morrow	12,442
Lower Morrow	13,186
Devonian	14,371

2. Injection Zone Lithology

The estimated injection interval of 14,370' - 15,800' is in the Devonian formation. The lithology primarily consists of dolomite and limestone.

3. The Ogallala formation is the only freshwater zone believed to be within this area. The base of this formation runs to a depth of 150'. This information was verified by Paul Kautz with the OCD. This formation is sealed off from the wellbore with 1050' of 20" 133# K-55 casing that was cemented to surface with 1550 sx "C" cement. The 13 3/8" 54.5 and 61# intermediate string was run to 2600' and circulated to surface with 1750 sx cement and provides a second seal against this formation.

IX. Stimulation Program

This interval will be acidized with 15% NEFE HCL acid.

X. Logging and Test Data

Logs and test data will be made available once the well is drilled.

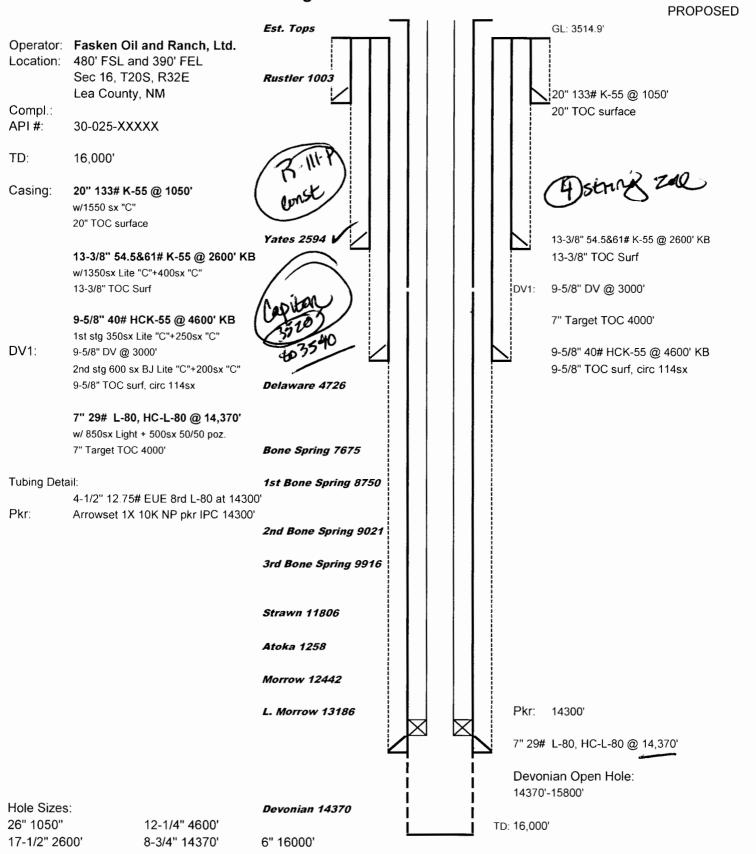
XI. There are no active fresh water wells within a one mile radius of the proposed disposal well.

XII. Affirmative Statement

Upon examination of the available geologic and engineering data, no evidence of open faults or any other hydraulic connection between the disposal zones and an underground source of drinking water was found.

Jeff Brygen Sr. Geologis

Laguna "16" State SWD No. 8

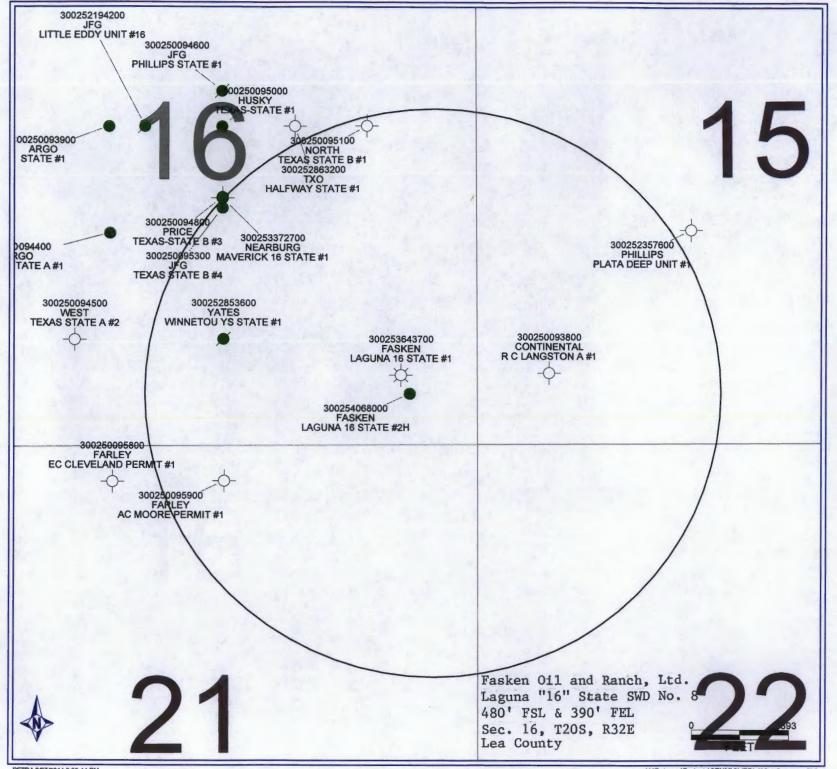


INJECTION WELL DATA SHEET

OPERATOR:	Fasken Oil and Ranch, Ltd.		San April 1997 Shares	AL	Alan Maria Mari
WELL NAME & NUI	MBER: <u>Laguna "16" State SWD No. 8</u>	_			
WELL LOCATION:	480' FSL & 390' FEL FOOTAGE LOCATION	<u>P</u> UNIT LETTER	<u>16</u> SECTION		32E RANGE
<u>WEL.</u>	LBORE SCHEMATIC	ONII LEITEK	<u>WELL</u>	CONSTRUCTION DATE	
Production Casing		Hole Size:	26"	Casing Size:20".	133# @ 1050'_
Hole Size: 8 3/4" Casing S	Size: 7", 29# @ 14,370'.	Cemented with: _	<u>1550</u> s	Sx. <i>or</i>	ft ³
Cemented with: 1350 sx		Top of Cement: _	Surface	Method Determine	d: <u>Circulated</u>
Top of Cement: 4000' M	1ethod Determined: CBL		Salt Pro	otect Casing	
			17 ½" 1750_ s	Casing Size: <u>2600</u>	
		Top of Cement: _	Surface	Method Determine	d: <u>Circulated</u>
			Interme	diate Casing	
		Hole Size:	12 1/4"	9 5/8 Casing Size: <u>DV 7</u>	", 40# @ 4600' w/ Fool @ 3000'
		Cemented with:	1400sx	s. or	ft ³
		Top of Cement: _	Surface	Method Determine	d: <u>Circulated</u>
		Total Depth:	16,000		
			<u>Injecti</u>	on Interval	
			14,370'	feet to <u>15,8</u>	00',
			(Perforated or Ope	n Hole; indicate which)	

INJECTION WELL DATA SHEET

Tu	bing Size:	4 ½"	Lining Material:Internally Plastic Coated
Ту	pe of Packer: <u>Nic</u>	kel plated Arrowset 1-X 10K o	asing packer IPC wetted parts with on / off tool_
Pao	cker Setting Dep	oth: <u>14,300'</u>	
Otl	her Type of Tub	ing/Casing Seal (if applic	able): N/A
		<u> </u>	Additional Data
1.	Is this a new v	vell drilled for injection?	X Yes No
	If no, for what	purpose was the well ori	ginally drilled?
2.	Name of the In	njection Formation:	Devonian
3.	Name of Field	or Pool (if applicable): _	SWD; Devonain
4.		-	y other zone(s)? List all such perforated acks of cement or plug(s) used. No
5.			gas zones underlying or overlying the proposed brrow – 13,186' – 14,370'_



Fasken Oil and Ranch, Ltd.

Laguna "16" State SWD No. 8

Table of Well Data within ½ Mile

L	6 2		
\mathcal{D}	wells	penetratine	interval
T		(

<u>Operator</u>	Well Name and Number	API Number	Oil or <u>Gas</u>	Spud <u>Date</u>	Total <u>Depth</u>	Formation and Perfs
Fasken Oil and Ranch, Ltd.	Laguna "16" State No. 1	30-025-36437	Gas	11/07/2003	13,372	Strawn 12,008' – 12,015' Morrow
Location:	660' FSL & 660' FEL Sec. 16, T20S, R32E					12,971' – 12,985'
Casing:	Well does not penetrate t	he injection interval.				
Fasken Oil and Ranch, Ltd.	Laguna "16" State No. 2H	30-025-40680	Oil	07/28/2012	13,910' MD 9631' TVD	Bone Springs 10,052' – 13,837'

Location:

SHL - 475' FSL & 610' FEL BHL - 367' FNL & 439' FEL

Sec. 26, T20S, R32E

Casing:

Well does not penetrate the injection interval. —

Operator	Well Name and Number	API Number	Oil or <u>Gas</u>	Spud <u>Date</u>	Total <u>Depth</u>	Formation and Perfs	
Continental Oil Company	R.C. Langston No. 1	30-025-00938	Dry Hole	11/08/1939	2975'	N/A	
Location:	sec. 15, T20S, R32E						
Casing:	Casing: Well does not penetrate the proposed injection interval.						
The Texas Co., West Lea Oil Co	A.C. Moore No. 2	30-025-00959	Dry Hole	11/28/1939	2387'	N/A	
Location:	Location: 330' FNL & 1980' FEL Sec. 21, T20S, R32E						
Casing:	Casing: Well does not penetrate the proposed injection invterval.						
Yates Petroluem Corporation	Winnetou "YS" State No. 1	30-025-28536	P&A'd Oil Well	01/01/1984	2755'	Yates 2549' – 2657'	

990' FSL & 2310' FEL

Well does not penetrate the proposed injection interval.

Sec. 16, T20S, R32E

Location:

Casing:

Operator	Well Name and Number	API Number	Oil or <u>Gas</u>	Spud <u>Date</u>	Total <u>Depth</u>	Formation and Perfs
Nearburg Prod Company	ucing Maverick "16" State No. 1	30-025-33727	Dry Hole	02/16/1997	5380'	Seven Rivers 2598' – 2706'
Location:	2300' FSL & 2310' FEL Sec. 16, T20S, R32E	,				
Casing:	Well does not penetrate	the proposed injection	interval.			
JFG Enterprise	Texas State "B" No. 4	30-025-00953	P&A'd Oil Well	12/13/1950	2668'	Seven Rivers 2490' – 2668'
Location:	2210' FSL & 2310' FEI Sec. 16, T20S, R32E					
Casing:	Well does not penetrate	proposed injection int	erval.			
Mrs. Bertie Noland Price	Texas State "B" No. 3	30-025-00948	P&A'd Oil Well	01/03/1941	2604'	Yates 2477' – 2604'
Location:	2310' FSL & 2310' FEL					

Well does not penetrate proposed injection interval.

Casing:

Sec. 16, T20S, R32E

<u>Operator</u>	Well Name and Number	API Number	Oil or <u>Gas</u>	Spud <u>Date</u>	Total <u>Depth</u>	Formation and Pefs
North Shore Corporation	Texas State –B- No. 1	30-025-00951	Dry Hole	10/07/1940	2728'	N/A

Location: 2310' FSL & 990' FWL

Sec. 16, T20S, R32E

Casing: Well does not penetrate the proposed injection interval.

Fasken Oil and Ranch, Ltd. Laguna "16" State SWD No. 8 SWD Application List of Notified Parties

Offset Operators and Leasehold Owners within a ½ mile radius

Fasken Oil and Ranch, Ltd. 6101 Holiday Hill Road Midland, TX 79707

BOPCO 201 Main Street, Ste. 2700 Fort Worth, TX 76102 Attn: Monty Montgomery

Breedyk Enterprises, LLC P.O. Box 2107 Roswell, NM 88202

Centennial, LLC P.O. Box 1837 Roswell, NM 88202-1837

Bill Fenn P.O. Box 1757 Roswell, NM 88202-1757

Richard J. Forrest, Jr. 208 Dickson Lane Carlsbad, NM 88220

Gannaway Oil, LLC P.O. Box 2791 Roswell, NM 88202-2791

Hutchings Oil Company P.O. Box 1216 Albuquerque, NM 87103

Brad Jeffers and Wife, Debbie Jeffers 607 Tierra Berrenda Roswell, NM 88201 Norton, LLC 60 Beach Ave-Bay View South Dartmouth, MA 02748

Jamie Pack and Wife, Lori Pack 2926 N. Brown Road Roswell, NM 88201

Regeneration Energy Corporation P.O. Box 210 Atresia, NM 88211-0210

Manazano Energy Partners, LLC P.O. Box 2107 Roswell, NM 88202-2107 Attn: Ken Barbe

Kevin Robinson 2925 East Riggs Road 8-182 Chandler, AZ 85249

Roca Sello, LLC P.O. Box 2107 Roswell, NM 88202-2107

Scott-Winn, LLC P.O. Box 1834 Roswell, NM 88202-1834

Barbe Development, LLC P.O. Box 2107 Roswell, NM 88202-2107

Transcendent Oil & Gas Properties, LLC P.O. Box 9612 Midland, TX 79709 Worrall Investment Corporation P.O. Box 1834 Roswell, NM 88202-1834

Slash Exploration Limited Partnership P.O. Box 1973 Roswell, NM 88202-1973

Scott Exploration, Inc. P.O. Box 1834 Roswell, NM 88202-1834

Read & Stevens, Inc. P.O. Box 1518 Roswell, NM 88202-1518

OAS, LLC P.O. Box 11513 Roswell, NM 88202-1513

G. Gail Mordka Family Trust c/o Sam Mordka 2652 Asbury Avenue Evanston, IL 60201

Legacy Reserves Operating LP 303 W. Wall Street, Suite 1400 Midland, TX 79701

Tommy K. LaGrone and Mary Louise LaGrone, Trustees of the Tommy K. LaGrone and Mary Louise LaGrone Revocable Trust 21 Citadel Drive Amarillo, TX 79124-1421

Hat Mesa Oil Company P.O. Box 1216 Albuquerque, NM 87103-1216

David Petroleum Corp. 116 West First Street Roswell, NM 88203-4702 Breckenridge Partners Ltd. P.O. Box 1973 Roswell, NM 88202-1973

Hanley Petroleum, Inc. 415 West Wall Street, Suite 1500 Midland, TX 79701

Crown Oil Partners IV, LP 303 Veterans Airpark Lane, #6101 Midland, TX 79705

E12 of Section 16 Lease No. HP 00250000 Interpid Potash of MM -notice sent Mosaic also notified

[Agreement on file with

Laguna "16" State SWD No. 8 Salt Lake Field Area - Sec 16, T20S, R32E Lea County, NM

Calcium Carbonate and Calcium Sulfate Solubility Calculations Skillman, McDonald and Stiff Method

Representative Devonian Water - Fasken Operated Denton #3A, S	S11 T15S R37F

<u> </u>	ater Analysis		Ionic Strength Calculation		
<u>lon</u>	Concentration mg/L		Conversion Facto	<u>or</u>	Ionic Strength
Na [⁺]	24042		2.2E-05	=	0.529
Ca⁺⁺	3308		5.0E-05	=	0.165
Mg ^{⁺⁺}	546		8.2E-05	=	0.045
Cl¯	43000		1.4E-05	=	0.602
CO_3^-	0		3.3E-05	=	0.000
HCO ₃	536		8.2E-06	=	0.004
SO ₄	1563		2.1E-05	=	<u>0.033</u>
			Total Ionic Streng	ith, μ	1.378
=Hq	= 6.38	Ts, ºF=	70	Ps, psia =	= 13.5
•	= 6.63	Td, °F=		Pd, psia =	
		d, ft=	14357	∆pH=	= 0.25
Calcium Car	rbonate Scaling Index C	alculation	<u>s</u>		
•		SI=pH-(K+	-pCa+pAlk)		
pAlk=	= 2.06	01	0.000	DTD # - 0 -	000 4000 555
Surface, s=	K,(App 12, Patton) 3.54	<u>SI</u> -0.30	CaCo3 precip? I	PIB, IDS Ca	CO3 /1000 bbls
Depth, d=		1.67	Likely	315	Severe
•	fate Scaling Index Calc		•		
K _{sp =}	0.0021	<u>വരുവാനട</u> <i>ര</i> 180° F	(From Appendix 15, A	pplied Water T	echnology by Patton)
4K _{sp =}	0.0084	<u> </u>			
·					
<u>lon</u>	Conc (mg/L)		Conversion Facto		M (moles/L)
HCO ₃	536		1.64E-05	=	0.0087904
Ca ^{⁺⁺}	3308		2.50E-05	=	0.0827
SO ₄	1563		1.04E-05	=	0.0162552
		Exess Co	mmon lon: X		0.0664448
S =	solubility (meq/L)	=	$1000 [(X^2 + 4K_{sp})]$) ^{1/2} - X]	
S =	46.76				
Laur	0 (/)		Emilia NA/A /BANA/N		Conc (meq/L)
lon	Conc (mg/L)		Equiv. Wt (MW)		meq/L=(mg/L)/MW
Ca ⁺⁺	3308		20		165.40
SO ₄	1563	.a/l .con.co	48	- CO =	32.56
	O ₄ Conc. = lesser of me		ntrations of Ca = 0	0 3U ₄	32.56
	l, CaSO₄ scale is unlike	ıy			Unlikely
it S < Actual	l, CaSO₄ scale is likely				

Laguna "16" State SWD No. 8 Salt Lake Field Area - Sec 16, T20S, R32E Lea County, NM

Calcium Carbonate and Calcium Sulfate Solubility Calculations Skillman, McDonald and Stiff Method

Skillman, Mi	cDonaid and Stiπ Method	ມ 					
Represen	tative Bone Spring Wa	ter - Fas	ken Operated Qu	ıail 16 St 3H	, S16, T20S, R34E		
W	ater Analysis		lonio	Strength Ca	alculation		
<u>lon</u>	Concentration mg/L		Conversion Fact	<u>or</u>	Ionic Strength		
Na [⁺]	44933		2.2E-05	=	0.989		
Ca ^{⁺⁺}	5727		5.0E-05	=	0.286		
Mg ^{⁺⁺}	1093		8.2E-05	=	0.090		
Cl	89000		1.4E-05	=	1.246		
CO_3^-	0		3.3E-05	=	0.000		
HCO ₃	153		8.2E-06	=	0.001		
SO ₄	275		2.1E-05	=	<u>0.006</u>		
			Total Ionic Stren	gth, µ	2.618		
•	= 6.37 = 6.57	Ts, ^o F= Td, ^o F= d, ft=		Ps, psia : Pd, psia : ∆pH:			
pCa=			<u>s</u> -pCa+pAlk)				
pAlk=	= 2.60	CI	CaCa2 areain2	DTD the Co	CO2 (1000 bblo		
Surface, s	K,(App 12, Patton) 3.28	<u>SI</u> -0.35	CaCo3 precip?	PIB, IDS Ca	CO3 / 1000 bbis		
Depth, d=		1.53		90	Low		
Calcium Sul	Ifate Scaling Index Calcu	lations					
K _{sp =}	0.00292 @	<u></u>	(From Appendix 15,	Applied Water 1	rechnology by Patton)		
4K _{sp =}	0.01168						
lon HCO ₃	Conc (mg/L) 153		Conversion Fact		M (moles/L) 0.0025092		
Ca⁺⁺	5727		2.50E-05	=	0.143175		
SO ₄	275		1.04E-05		0.00286		
	E	Exess Co	mmon Ion: X	X = ΔM =	0.140315		
S =	solubility (meq/L)	=	$1000 [(X^2 + 4K_s)]$	$_{\rm D})^{1/2} - X]$			
S =	36.80		-	F.			
<u>lon</u>	Conc (mg/L)		Equiv. Wt (MW)		Conc (meq/L) meq/L=(mg/L)/MW		
Ca ^{⁺⁺}	5727		20		286.35		
SO ₄	275		48		5.73		
Actual CaSo	O_4 Conc. = lesser of med	q/L conce	ntrations of Ca ⁺⁺	or SO ₄ =	5.73		
If S > Actua	l, CaSO₄ scale is unlikely	y			Unlikely		

If S < Actual, CaSO₄ scale is likely

Laguna "16" State SWD No. 8 Salt Lake Field Area - Sec 16, T20S, R32E Lea County, NM

Calcium Carbonate and Calcium Sulfate Solubility Calculations Skillman, McDonald and Stiff Method

Representative Delaware Water - Fasken Operated Soapberry Draw	7 St 1, S7, T21S, R26E
--	------------------------

Represe	entative Delaware Water -	- Fasken C	perated Soapber	ry Draw 7 St	1, S7, 121S, R26E
W	ater Analysis		Ioni	c Strength C	alculation
<u>lon</u>	Concentration mg/L		Conversion Fact	<u>tor</u>	Ionic Strength
Na⁺	69046		2.2E-05	=	1.519
Ca ^{⁺⁺}	9000		5.0E-05	=	0.450
Mg ^{⁺⁺}	390		8.2E-05	=	0.032
Cl	122650		1.4E-05	=	1.717
CO ₃	0		3.3E-05	=	0.000
HCO ₃	366		8.2E-06	=	0.003
SO ₄	1025		2.1E-05	=	<u>0.022</u>
			Total Ionic Stren	ngth, µ	3.743
pH=	7.38	Ts, ⁰ F=	70	Ps, psia	= 13.5
pHd=	: 7.58	Td, °F=		Pd, psia	
		d, ft=	14357	ΔpH	I= 0.20
	bonate Scaling Index C				
•		SI=pH-(K+	·pCa+pAlk)		
pAik=	= 2.22 <u>K,(App 12, Patton)</u>	SI	CaCo3 precip?	PTR lbs Ca	aCO3 /1000 bbls
Surface, s=		<u>5.</u> 1.67	Likely	213	Moderate
Depth, d=	0.76	3.95	Likely	210	Moderate
Calcium Sul	fate Scaling Index Calcu	<u>ılations</u>			
K _{sp =}	0.00304 (@ 176° F	(From Appendix 15,	Applied Water	Technology by Patton)
$4K_{sp} =$	0.01216				
<u>lon</u>	Conc (mg/L)		Conversion Fact	tor	M (moles/L)
HCO ₃	366		1.64E-05		0.0060024
Ca ^{⁺⁺}	9000		2.50E-05	=	0.225
SO ₄	1025		1.04E-05		0.01066
	E	Exess Cor	mmon Ion: X	X = ΔM =	0.21434
S =	solubility (meq/L)	=	$1000 [(X^2 + 4K_s)]$	_m) ^{1/2} - X1	
S =	26.70			sp/1	
0 -	20.70				Conc (meq/L)
<u>lon</u>	Conc (mg/L)		Equiv. Wt (MW)	1	meq/L=(mg/L)/MW
Ca ^{⁺⁺}	9000		20		450.00
SO ₄	1025		48		21.35
	O ₄ Conc. = lesser of med	•	ntrations of Ca ⁺⁺	or SO₄ ⁼	21.35
	, CaSO₄ scale is unlikel	у			Unlikely
If S < Actual	, CaSO₄ scale is likely				

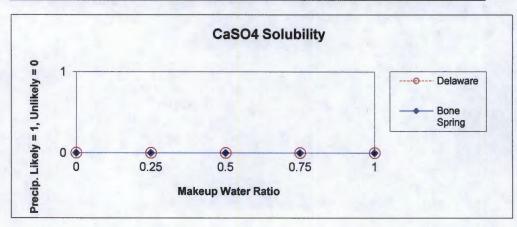
Laguna "16" State SWD No. 8 - Devonian zone Salt Lake (Bone Spring and Delaware) Fields - Representative Water Analyses Lea County, NM

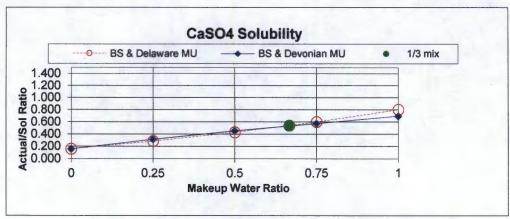
Calcium Carbonate Sulfate Solubility - Results at Devonian bottom hole conditions Skillman, McDonald and Stiff Method

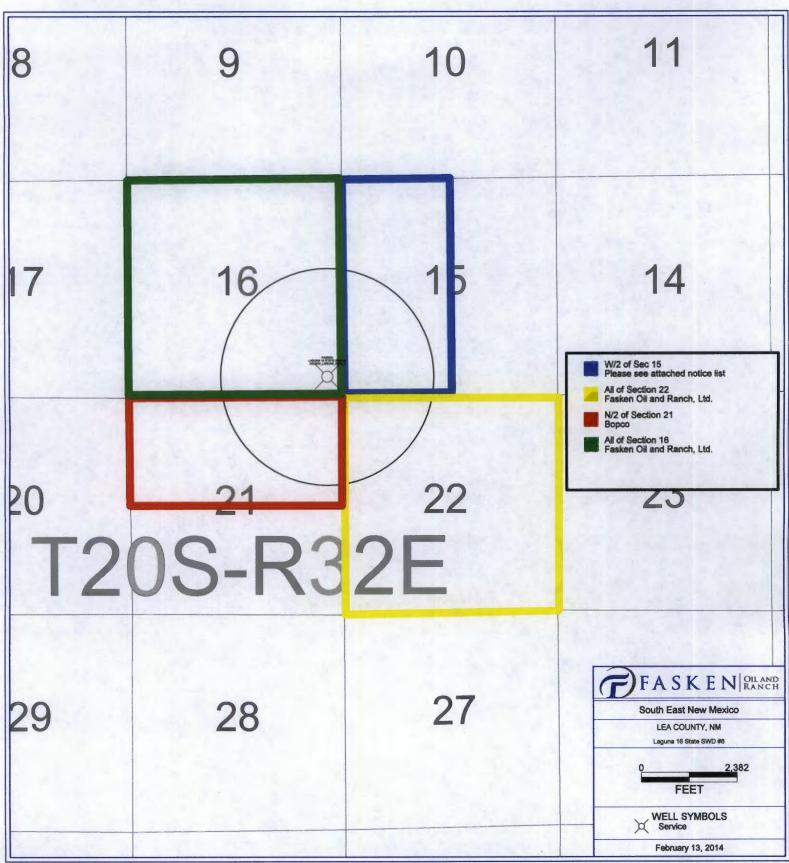
		CaCO3	Poss.	CaSO4 Poss.	
Mixture	Makeup Ratio	Stability Index	Low, Moderate, Severe	Actual/S ratio	1 likely 0 unlikely
100% Bone Spring	0	1.53	Low	0.156	0
25% Del+ 75% BS	0.25	2.11	Moderate	0.282	0
50% Del+ 50% BS	0.5	2.65	Moderate	0.427	0
75% Del+ 25% BS	0.75	3.24	Moderate	0.598	0
100% Delaware	1	3.95	Moderate	0.800	0

		CaCO3	Poss.	CaSO4 Poss.	
Mixture	Makeup Ratio	Stability Index	Low, Moderate, Severe	Actual/S ratio	1 likely 0 unlikely
100% Bone Spring	0	1.53	Low	0.156	0
25% Dvn+ 75% BS	0.25	1.61	Moderate	0.315	0
50% Dvn+ 50% BS	0.5	1.64	Moderate	0.455	0
75% Dvn+ 25% BS	0.75	1.63	Severe	0.574	0
100% Devonian	1	1.67	Severe	0.696	0

				1	
1/3ea (Del+Dvn+BS)	0.667	2.25	Moderate	0.540	0







PETRA 2/13/2014 1:46:47 PM

Fasken Oil and Ranch, Ltd. Laguna "16" State SWD No. 8 SWD Application

W/2 of Section 15, T20S, R32E Leasehold Owners

_	Breedyk	Enterprises,	LLC

- · Centennial, LLC
- . Bill Fenn
- · Richard J. Forrest, Jr.
- Gannaway Oil, LLC
- Hutchings Oil Company
- Brad Jeffers and Wife, Debbi Jeffers

Norton, LLC

Jamie Pack and Wife, Lori Pack

Regeneration Energy Corporation

- Manzano Energy Partners, LLC
- Kevin Robinson

Roca Sello, LLC

Scott-Winn, LLC

Barbe Development, LLC

- Transcendent Oil & Gas Properties, LLC
- . Worrall Investment Corporation
- Slash Exploration Limited Partnership

- . Scott Exploration, Inc.
- . Read & Stevens, Inc.
- , OAS, LLC
- G. Gail Mordka Family Trust
- Legacy Reserves Operating LP

Tommy K. LaGrone and Mary Louise LaGrone, Trustees of the Tommy K. LaGrone and Mary Louise LaGrone Revocable Trust

- Hat Mesa Oil Company
- David Petroleum Corp.
- Breckenridge Partners Ltd.

Hanley Petroleum, Inc.

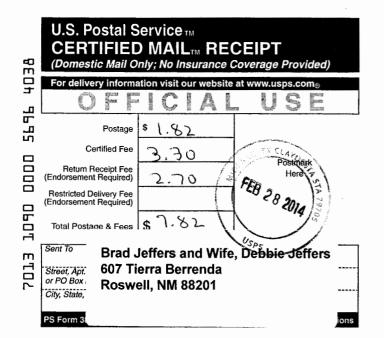
. Crown Oil Partners IV, LP

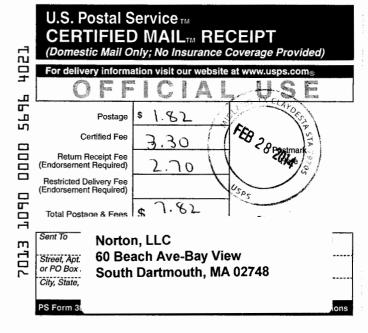
Surface Owner

State of New Mexico State Land Office 310 Old Santa Fe Trail Santa Fe, NM 87501

Other Notified Parties

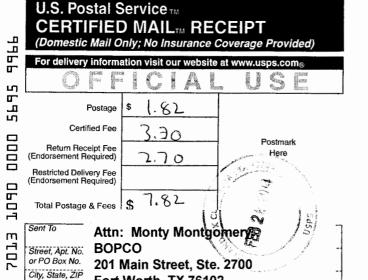
New Mexico Oil Conservation Division 1625 N. French Dr. Hobbs, NM 88240

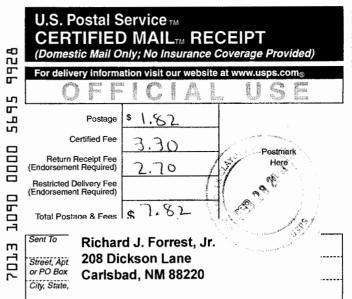


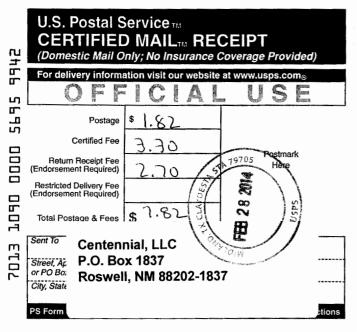






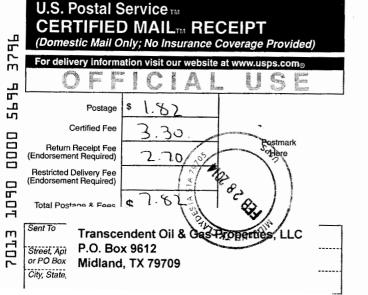


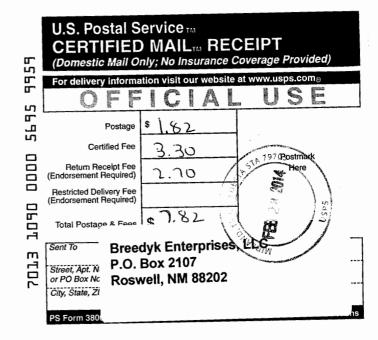


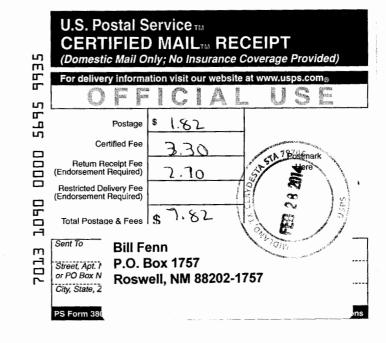




PS Form 3

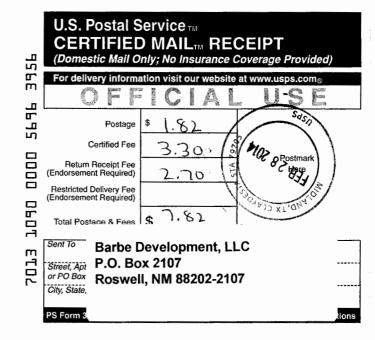


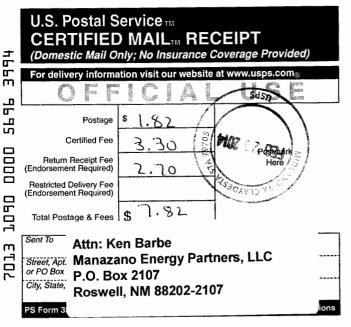


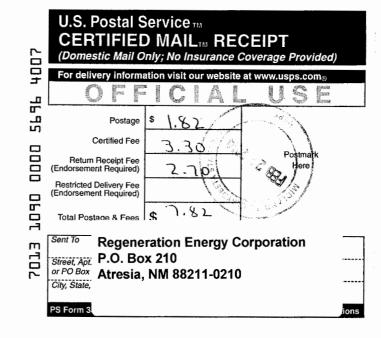










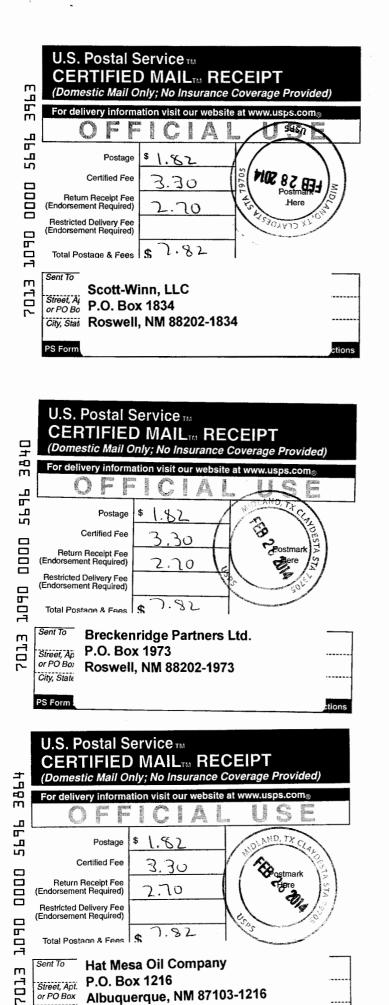




70

U.S. Postal Service TM CERTIFIED MAILT RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) . 20 m SdSn Ш 25 Postage Certified Fee HOZ 8 Z B Postmark Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) 7.82 Total Postage & Fees \$ Sent To **Kevin Robinson** m 2925 East Riggs Road 8-182 Street, Apt. Chandler, AZ 85249 City, State, .

New Mexico Oil Conservation Division Street, A 1625 N. French Dr. or PO Bc Hobbs, NM 88240 City, Stat

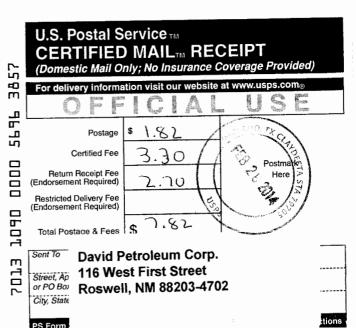


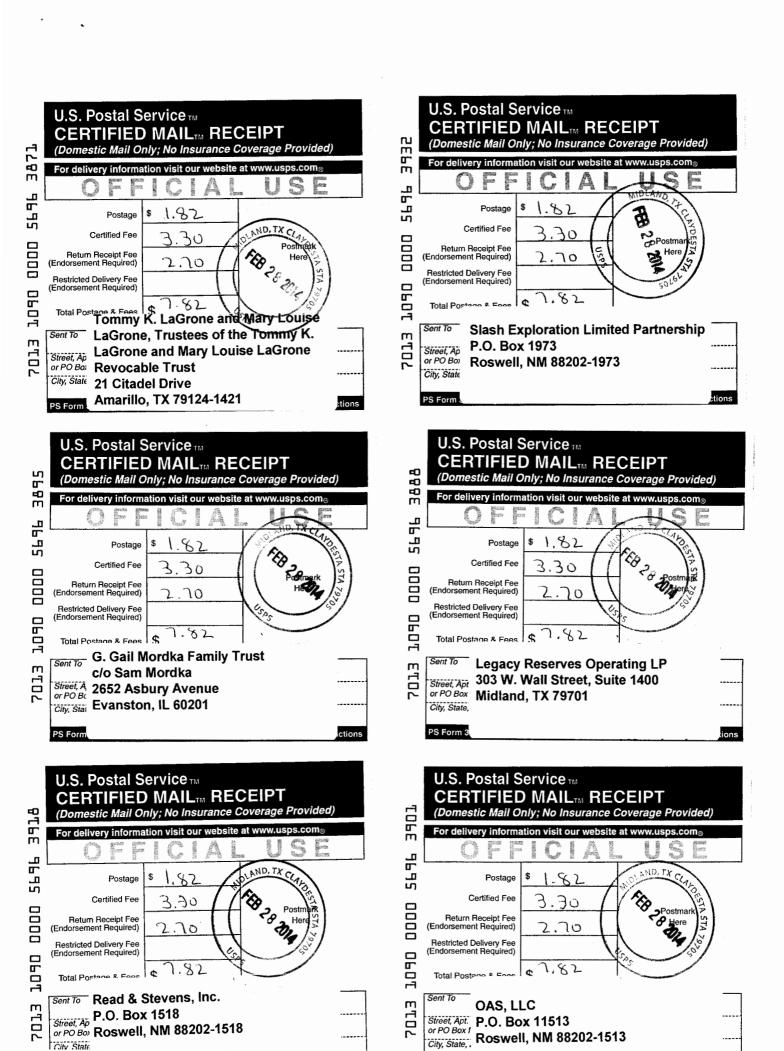
or PO Box

City, State,













Affidavit of Publication

State of New Mexico, County of Lea.

I, DANIEL RUSSELL PUBLISHER

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

of 1 issue(s).
Beginning with the issue dated
February 19, 2014
and ending with the issue dated
February 19, 2014

PUBLISHER

Sworn and subscribed to before me this 19th day of February, 2014

Notary Public

My commission expires January 29, 2015

(Seal)

OFFICIAL SEAL

GUSSIE BLACK

Notary Public

State of New Mexico.

A Geometric Commission Expires

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

LEGAL

LEGAL

LEGAL NOTICE February 19, 2014

Fasken Oil and Ranch, Ltd., 6101 Holiday Hill Road, Midland Texas 79707, is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a SWD well in the SWD; Devonian pool. The proposed well, Laguna "16" State SWD No. 8, is located 480' FSL, 390' FEL, Section 16, T20S, R32E, Lea County, New Mexico. Injection water will be sourced from area wells producing from the Atoka formation in the Salt Lake; Atoka (Gas) and Salt Lake; Atoka, South (Gas) Fields, Bone Springs formation in the Salt Lake; Bone Springs Field, Delaware formation in the Salt Lake; Delaware and Salt Lake; Delaware, South Fields, Morrow formation in the Salt Lake; Morrow (Gas), Salt Lake; Morrow, South (Gas) and Salt Lake; Morrow, West (Gas) Fields, Strawn formation in the Salt Lake; Strawn, West (Gas) Field, Wolfcamp formation in the Salt Lake; Wolfcamp Field, and the Yates formation in the Salt Lake; Yates Field. Water will be injected into the Devonian formation at a depth of 14,370' - 15,800', at a maximum surface pressure of 2874 psi and a maximum rate of 30,000 BWPD. Any interested party who has an objection to this application must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico, 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Kim Tyson at Fasken Oil and Ranch, Ltd., 6101 Holiday Hill Road, Midland, Texas 79707, or call (432) 687-1777.

#28776

67106447

00131020

KIM TYSON FASKEN OIL AND RANCH, LTD 6101 HOLIDAY HILL ROAD MIDLAND, TX 79707

C-108 Review	Checklist: p	03/05/ Add Bogue	06/10/14	Bank Data: Old	Supported: [Ver 12]			
	C-108 Review Checklist: Received 03/05/14 Add. Request: 06/10/14 Reply Date: 04/14 Suspended: [Ver 13]							
PERMIT TYPE: WFX / PMX / WD Number: 1487 Permit Date: Old Light Legacy Permits/Orders: MA								
Well No Well Name(s	i): Laguni	a 16 State S	SUD					
API: 30-0 25 - 41697	Spud Da	te:	New or Old:	(UIC Class II	Primacy 03/07/1982)			
Footages 480 FSL/370	O FEL Lot_	or Unit P Sec 16	_ Tsp _ <u>20</u>	5 Rge 32 E	County Lea			
General Location: 2mi Much		• ^						
BLM 100K Map: Hobbs	v ()	V 0						
COMPLIANCE RULE 5.9: Total Wells					•			
_		^						
WELL FILE REVIEWED © Current	Status: ////	on the						
WELL DIAGRAMS: NEW: Proposed	Or RE-ENTER:	Before Conv. After C	onv. C	ogs in Imaging:	· · · · · · · · · · · · · · · · · · ·			
Planned Rehab Work to Well:	ew well-	BLM "4 stori	g area	"/Potash F	3-111-P/ Capital			
Well Construction Details:	Sizes (in)	Setting		Cement	Cement Top and			
Planned or Existing Surface	Borehole / Pipe	Depths (ft)		(Sx)r Cf	Determination Method			
or stoken, med boyer of suggested on anything	26/25	0 60 1050	Stage Tool	1550	Circulated to surf.			
Planned_or Existingnterm/Prod	1.10/10	0 to 2600	Was	1730	Circulated to surf.			
Planned_or Existingintermorod	12/14/95/8	0to 4600	3000	1400	Circulated to surf.			
Planned or Existing Prod Liner	834/7	6 to 14370	None	350	(CBL) lest. 4000			
Planned For Existing Lines								
Planned or Existing OH) PERF	(6)	1437060 15800	Inj Length	Completion	/Operation Details:			
Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops		PBTD Three			
Adjacent Unit: Litho. Struc. Por.	STERNING STREET	Morrow	12442	NEW TD	_ NEW PBTD 10 se			
Confining Unit: Letho. Struc. Por	Ø	Lower Morrow	13186	NEW Open Hole 🕑	or NEW Perfs Q			
Proposed Inj Interval TOP:	H370	Davonian	14370	Tubing Size 412	in. Inter Coated? <u>Yes</u>			
Proposed inj Interval BOTTOM:	15800	Montava		Proposed Packer D	epth 14 300 ft			
Confining Unit: Lithe. Struc.	d	Simpson	16000	Min. Packer Depth _	14270 (100-ft limit)			
Adjacent Unit: Litho. Struc. Por.		Elienburger	-	Proposed Max. Surf	ace Press. 2874 psi			
AOR: Hydrologic a	nd Geologic In		2.22	Admin. Inj. Press	2874 (0.2 psi per ft)			
POTASH: R-111-P Noticed?	S BLM Sec Ord	WIPP (Venoticed?	VA SALT	SALADO T B.	WAS IEF HOUSE NA			
FRESH WATER: Aquifer Oug	thach nexts to	Interplet & Mosil	HYDRO	AFFIRM STATEMEN	IT By Qualified Person			
NMOSE Basin: Copitaco	CAPITAN REEF:	thru alj NAO	No. Wells w	ithin 1-Mile Radius?	_ ⊕ _ FW Analysis ⊕			
Disposal Fluid: Formation Source(s	1 1 .	· As ab all		_	_			
Disposal Int: Inject Rate (Avg/Max BWPD): 2000/3000 Protectable Waters? Unk Source: Unk System: Closed or Open								
HC Potential: Producing Interval? No Formerly Producing? No Method: Logs/DST/P&A/Other 2-Mile Radius Pool Map								
AOR Wells: 1/2-M Radius Map? 185 Well List? 15 Total No. Wells Penetrating Interval: 4 Horizontals?								
Penetrating Wells: No. Active Well	Penetrating Wells: No. Active Wells Num Repairs? on which well(s)? Diagrams?							
Penetrating Wells: No. P&A Wells	Num Repairs?	on which well(s)?			Diagrams?			
NOTICE: Newspaper Date 02 1914 Mineral Owner SLO Surface Owner SLO N. Date 02/2018								
RULE 26.7(A): Identified Tracts?	Yes Affected Per	sons: (Rotain not	ced) 29	, keise holdes/ BOPCO	N. Date 02 28 4			
Permit Conditions: Issues:	Unknown t	10 potential/0	Nknown	WQ / satirit				
Add Permit Cond: Request								

Goetze, Phillip, EMNRD

From:

Jeff Bryden <jeffb@forl.com>

Sent:

Wednesday, June 11, 2014 9:55 AM

To:

kimt@forl.com; Goetze, Phillip, EMNRD; jimmyc@forl.com

Subject:

RE: Application for the Laguna 16 State SWD No. 8

Attachments:

laguna SWD Info.pdf

Phillip.

First, we are projecting the top of the Devonian from two sources. 1st we know that the thickness from the Lower Morrow shale to the top of Devonian is fairly consistent (see attached cross-section). 2nd we have seismic over the area but we do not have any penetrations on the survey that go to the Devonian to get an accurate top. However, what the seismic does show is that there are no significant changes in thickness, thus confirming our theory about being able to project from the Lower Morrow. We are basing our tops off of the Laguna 16-1 vertical well, which is very close to our proposed location (it is the shallow well included on the cross section). We are then taking those tops and projecting the top of the Devonian. The included map shows the lack of deep penetrations in the area that would help with Devonian control. The only two wells are the BOPCO Hackberry 34-1 and the Texaco Little Eddy #1.

Second, concerning the injection interval, we have been working with BOPCO and plan on bringing them on as a 50% partner in this well. We are trying to mirror the success of their Hackberry well (30-015-40288). In repeated discussion with BOPCO, it was brought to our attention that the blocky, carbonate mound was not all Devonian and that it contained the Devonian, Silurian, Fusselman and Montoya (see cross section). It is our intention to dispose into all zones from the Devonian to Montoya.

Hope this clarifies your questions. If you need any further information, please feel free to contact me at any time.

Jeff Bryden
Senior Geologist



6101 HOLIDAY HILL RD. MIDLAND. TEXAS 79707 OFFICE: 432-687-1777

CELL: 432-661-0171

Do not ask the Lord to guide your footsteps, If you are not willing to move your feet

From: Kim Tyson [mailto:kimt@forl.com]
Sent: Tuesday, June 10, 2014 1:48 PM

To: jeffb@forl.com

Subject: FW: Application for the Laguna 16 State SWD No. 8

Importance: High

Jeff.

Please see e-mail below from Phillip Goetze with the OCD concerning our Laguna 16 State SWD #8.

Let me know if you have any questions.

Kim Tyson

From: Goetze, Phillip, EMNRD [mailto:Phillip.Goetze@state.nm.us]

Sent: Monday, June 09, 2014 3:24 PM

To: Kim Tyson (kimt@forl.com)

Subject: Application for the Laguna 16 State SWD No. 8

Kim:

I am reviewing the C-108 application for the Laguna 16 State SWD No. 8 and would like to obtain some additional geological information from your staff. Two items that I am requesting additional information are as follows:

- 1. Is there data to support the projected top of Devonian as presented in the application (e.g. structure contour, cross section, seismic profile, etc.)?
- 2. Clarification on the injection interval: only the Devonian section is to be considered for the order? That the lower confining interval will be the Upper Silurian shale/Fusselman?

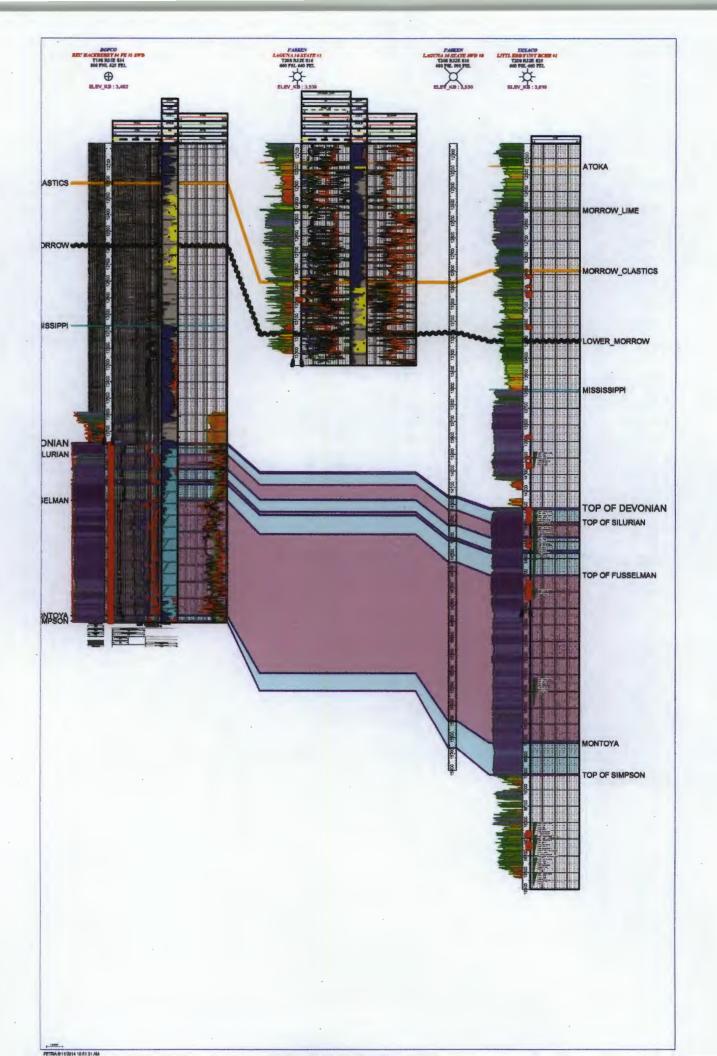
Please see what the geo staff can put into a PDF format and forward when possible. The Director is appreciative of some type of information for the selection of formation tops. Please call/e-mail with any questions. Thanks. PRG

Phillip R. Goetze, P.G.
Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462
phillip.goetze@state.nm.us

This message has been scanned for viruses and dangerous content by <u>Basin Broadband</u>, Inc., utilizing DefenderMX technology, and is believed to be clean.

					SENM - South E	ast New Mexico					
28	27	26	25	30	29	28	27	26	25	30	25
	BEU HACKBERRY 3	4 FE #1 SWD								A	
33	14,847 34	35	36	31	32	33	34	35	36	31	3:
4	3	2	1	6	5	4	3	2		6	5
9	10	11	12	7	8	9	10	11	12	7	8
16 T20S-	15 - <i>R31E</i>	14	13	18	17	THE THE TANK	15	14	13	18	1
21	22	23	24	19	20	21	22	23	24	19	2
28	27	26	25	30	29	T20S 28	-R32E 27	26	25 LITTL EDDY U		2
33	34	35	36	31	32	33	34	35	36	31	3

073014 #-37-00 EB#





Norbert J. Dickman General Manager

Lynda James
Assistant General Manager
Finance and Personnel
and Controller

Charles F. Hedges, Jr. Director of Real Estate Development and General Counsel

Jimmy W. Davis, Jr. Director of Oil and Gas Operations

Tommy E. Taylor Director of Oil and Gas Development

Mike Barnett Surface Properties Manager

Dexter L. Harmon Exploration Manager

Sally M. Kvasnicka Land Manager

Sean McDaniel Investment Manager

Sheila Payne Marketing Manager

Travis White Engineering Manager

Deborah Williams Office Manager/HR April 30, 2014

Sent via Certified Mail 7013 1090 0000 5694 6218

Mosaic Potash Carlsbad, Inc.

P.O. Box 71

Carlsbad, NM 88220

Attn: Mine Engineering Superintendent

Attn: Mine Manager Attn: General Manager

Re: Notice of Application for Laguna "16" state SWD No. 8 well

Gentlemen:

Fasken Oil and Ranch, Ltd. is sending you a copy of its application for referenced SWD well as required by the New Mexico Oil Conservation Division.

Please note that the location of the well is in the SE/4SE/4 Section 16-20S-32E which is covered by the Cooperative Development Agreement for Section 16 dated May 14, 2012 between Fasken Oil and Ranch, Ltd. and Mosaic Potash Carlsbad, Inc.

Please let me know if you have any questions.

Sincerely yours,

Sally M. Kvasnicka

Land Manager

Enclosure

Complete Items 1, 2, and 3. Also complete Items 4 if Restricted Delivery is desired.	A. Signature
Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mallplece, or on the front if space permits.	B. Received by (Printed Name) C. Date of Delive Lind AS. Balt 201 Shall 4
Mosaic Potash Carlsbad, Inc. P.O. Box 71	D. is foliger address different from item 1?
9 11 - 1 AINA 9922G	G. Service Type ☐ Certified Mail* ☐ Priority Mail Express* ☐ Registered ☐ Return Receipt for Merchands ☐ Insured Mail* ☐ Collect on Delivery
-	4. Restricted Delivery? (Extra Fee)
7013 1090 0000 5694 6	71.4

:



Norbert J. Dickman General Manager

Lynda James
Assistant General Manager
Finance and Personnel
and Controller

Charles F. Hedges, Jr. Director of Real Estate Development and General Counsel

Jimmy W. Davis, Jr. Director of Oil and Gas Operations

Tommy E. Taylor Director of Oil and Gas Development

Mike Barnett Surface Properties Manager

Dexter L. Harmon Exploration Manager

Sally M. Kvasnicka Land Manager

Sean McDaniel Investment Manager

Sheila Payne Marketing Manager

Travis White

Deborah Williams Office Manager/HR April 30, 2014

Sent via Certified Mail 7013 1090 0000 5694 6027

Intrepid Potash, Inc.
707 17Th street, Suite 4200
Denver, CO 80202
Attn: Katie Keller, Landman

Re: Notice of Application for Laguna "16" state SWD No. 8 well

Ladies and Gentlemen:

Fasken Oil and Ranch, Ltd. is sending you a copy of its application for referenced SWD well as required by the New Mexico Oil Conservation Division.

Please note that the location of the well is in the SE/4SE/4 Section 16-20S-32E which is covered by the Cooperative Development Agreement for Section 16 dated May 14, 2012 between Fasken Oil and Ranch, Ltd. and Intrepid Potash – New Mexico, LLC.

Please let me know if you have any questions.

Sincerely yours,

July M. Warnidm Sally M. Kvasnicka

Land Manager

Enclosure

	·
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete Items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mallplece, or on the front if space permits. 	A. Signature X Au Sul nel
1. Article Addressed to:	If YES, enter delivery address below:
Intrepid Potash, Inc. 707 17 th Street, Suite 4200	
Denver, CO 80202 Attn: Katie Keller, Landman	3. Service Type Certified Mali Priority Mail Express* Registered Return Receipt for Merchandise
	4. Restricted Delivery? (Extra Fee) ☐ Yes
^{2.} 7013 1090 0000 5694 6	027
PS Form 3811, July 2013 Domestic R	eturn Receipt

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