

Wellbore Schematic

Printed: 3/2/2022

Page 1

B F Harrison B # 12		Well ID: 29908-012				API # 30-025-32172				
B F Harrison B # 12, 3/2/2022		760 FNL & 2100 FWL			GL Elev:	3,312.00	KOP:			
		Section 9, Township 23S, Range 37E					EOC:			
		County, State: Lea, NM					Fill Depth:			
		Aux ID:					PBTD:	8,938.00		
		'KB' correction: ; All Depths Corr To:					TD:	8,950.00		
							BOP:			
<div>0</div> <div>1,000</div> <div>2,000</div> <div>3,000</div> <div>4,000</div> <div>5,000</div> <div>6,000</div> <div>7,000</div> <div>8,000</div> <div>9,000</div> <div>10,000</div> <div>(Measured Depth)</div>		Hole Size								
		Diameter	Top At	Btm At	Date Drilled					
		14.7500	0.00	1,180.00	9/21/1993					
		9.6250	1,180.00	3,750.00	9/24/1993					
		7.8750	3,750.00	8,950.00	9/30/1993					
		Surface Casing							Date Ran:	9/22/1993
		Description	#	Diameter	Weight	Grade	Length	Top At	Btm At	
		Casing	28	11.7500	42.00		1,180.00	0.00	1,180.00	
		Intermediate Casing							Date Ran:	9/27/1993
		Description	#	Diameter	Weight	Grade	Length	Top At	Btm At	
Casing	45	8.6250	32.00	K55	3,750.00	0.00	3,750.00			
Casing	45	8.6250	32.00	S-95		3,750.00				
Production Casing							Date Ran:	10/10/1993		
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At			
Casing	24	5.5000	17.00	J55	1,929.50	0.00	1,929.50			
DV Tool		5.5000			5.50	1,929.50	1,935.00			
Casing	168	5.5000	15.50	J55	7,015.00	1,935.00	8,950.00			
Cement										
Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.		
0.00	1,180.00	11.750	14.750	Circ	10 - Lead	750	C			
Lead: 300sx CI C w/ 4% gel, 2% CaCl2. FB 200sx CI C 2% CaCl2										
0.00	3,750.00	8.625	9.625	Circ	20 - Lead	1775	H			
Lead: 900sx 50/50 Poz H w/ 2% gel, 5% slt, 1/4# Flocele. FB 250sx CI H 2% CaCl2.										
0.00	8,950.00	5.500	7.875	Circ	30 - Lead	475				
					31 - Tail	1175				
Lead: 225sx 35/65 Poz H w/ 6% gel, 5% slt, 1/4# Flocele. FB 250sx CI H w/ 1/4# Flocele .6% D60 FL.; Tail: 925sx 35/65 Poz H w/ 6% gel, 5% slt, 1/4# Flocele. FB 250sx CI H.										
Zone and Perfs										
Comments / Completion Summary										
8811-8824 Acdzdz w/ 700 gals 15% HCL.										
4200-4922 Acdzdz w/ 500 gals acid. Re-acdzdz w/ 5000 gals acid.										
Perforations										
Top	Bottom	Formation		Status	Opened	Closed	# / Ft	Ttl #		
4,200.00	4,922.00	Glorieta		A	4/1/2009					
8,811.00	8,824.00	Fusselman		TA	10/24/1993	6/15/1999				
Wellbore Plugs and Junk										
Top	Bottom	Type		Diameter	Solid	Date				
4,965.00	5,002.00	CIBP		5.500	Yes	4/1/2009				
35' cmt										
8,680.00	8,717.00	CIBP		5.500	Yes	4/24/2007				
35' cmt										
8,806.00	8,809.00	CIBP		5.500	Yes	6/15/1999				
Tubing										
				Date Ran:		4/5/2009				
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At			
Tubing	131	2.8750	6.50	J55	4,126.66	0.00	4,126.66			
On-Off Tool	1	4.5000			1.84	4,126.66	4,128.50			
Packer	1	4.6000	15.50		6.94	4,128.50	4,135.44			

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 85601

DEFINITIONS

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 85601
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator".

This form must be completed as part of OCD's Seismicity Response Protocol and updated after any qualifying event thereafter.

Applicability: This form must be completed for each well classified as an Underground Injection Control (UIC) Class II disposal well or Class II enhanced recovery injection well with active injection authority (wells). "Active injection authority" means a well that is authorized to inject pursuant to an administrative permit or hearing order. This includes wells that have an approved Application for Permit to Drill and have an approved injection permit but have not yet been drilled or commenced injection.

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QUESTIONS

Action 85601

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	Action Number: 85601
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

QUESTIONS

Prerequisites	
Well	[30-025-32172] B F HARRISON B #012

Seismic Event Information

The source and reference ID is required, if you would like to submit information of a new seismic event.

Source of information (i.e., USGS, NMTSO, TexNet, other)	USGS
Reference ID from source of information	tx2021rcnt
Magnitude	2.5
Latitude	32.21280
Longitude	-103.09460
Date of occurrence	09/01/2021
Depth of occurrence (kilometers)	5.00

Injection Order

Please indicate the latest (current) injection order permitting injection for this well.

Admin Order (SWD-#)	SWD-1144-0 [pKVR0823832927]
Hearing Order (R-#)	Not answered.

Well Information

The following information is required for each well permitted within a 10-mile proximity of the epicenter.

Distance from epicenter (miles)	9
Top perforated and/or open-hole interval (vertical depth in feet)	4,200
Bottom perforated and/or open-hole interval (vertical depth in feet)	4,922
Formation(s) completed	San Andres

Well Information Prior to Injection Volume Reduction

Daily rates and pressures are based on the active injection days during the prior 6-month period.

Average daily injection rate (BBLS per day), prior to reduction	1,482
Average injection daily pressure (PSI), prior to reduction	450
Well Type (i.e., Commercial, Lease Only, Single Operator)	Lease Only

Well Information After Injection Volume Reduction

The following information is required for each well permitted within a 10-mile proximity of the epicenter.

Required injection rate reduction percentage (0%, 25%, 50%, Shut-in)	0%
Average daily injection rate (BBLS per day) limit, post reduction	1,482
Average injection daily pressure (PSI) limit, post reduction	450
Reduction start date	01/01/2022
Reduction achieved date	01/01/2022

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ACKNOWLEDGMENTS

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	Action Number:	85601
	Action Type:	[UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	This operator acknowledges that it must take the appropriate following action(s) as part of its seismic response protocol:
<input checked="" type="checkbox"/>	This operator shall report the daily injection volumes and pressures for each well on a weekly basis on the form prescribed by the OCD. The report is due on the Wednesday the week following the weekly monitoring interval.
<input checked="" type="checkbox"/>	This operator shall start or continue to digitally measure injection volumes and pressures for each well at a minimum of an hourly basis, and shall archive the data and make it available to OCD upon receipt of a written request.
<input checked="" type="checkbox"/>	This operator shall monitor seismicity events with magnitudes equal to or greater than M2.5 within a radius of 10 miles around each well using USGS / NMTSO data, and shall archive the data and make it available to OCD upon receipt of a written request.
<input checked="" type="checkbox"/>	This operator shall notify OCD and provide updated pertinent well information within 24 hours of an event greater than M 2.5 within a radius of 10 miles around each well using this OCD form.
<input checked="" type="checkbox"/>	After each event greater than M 2.5 within a radius of 10 miles around each well, this operator shall inspect well head and well equipment of each well to ensure proper working order. As part of this inspection, Operator should evaluate whether a Bradenhead test or MIT is warranted to ensure wellbore integrity.
<input checked="" type="checkbox"/>	I certify that, after reasonable inquiry and based on the available information at the time of submittal, this Seismic Information Form is true and correct to the best of my knowledge, and I acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

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CONDITIONS

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	Action Number: 85601
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

CONDITIONS

Created By	Condition	Condition Date
aschaefer	Accepted for record	1/6/2023