

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

Form C-101

August 1, 2011

Permit 294459

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034		2. OGRID Number 371682
		3. API Number 30-025-48744
4. Property Code 330702	5. Property Name BABINEXAUX FEE	6. Well No. 002H

7. Surface Location

UL - Lot A	Section 22	Township 13S	Range 38E	Lot Idn	Feet From 341	N/S Line N	Feet From 146	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot A	Section 15	Township 13S	Range 38E	Lot Idn A	Feet From 100	N/S Line N	Feet From 1310	E/W Line E	County Lea
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9. Pool Information

BRONCO;SAN ANDRES, SOUTH	7500
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3802
16. Multiple N	17. Proposed Depth 11125	18. Formation San Andres Formation	19. Contractor	20. Spud Date 5/11/2021
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	2400	850	0
Prod	8.75	5.5	20	11125	2500	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	1500	Schafer
Double Ram	3000	1500	Schafer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by William McMann	Approved By: Paul F Kautz	
Title:	Title: Geologist	
Email Address: bill.mcmann@stewardenergy.net	Approved Date: 4/29/2021	Expiration Date: 4/29/2023
Date: 4/26/2021	Phone: 214-297-0516	Conditions of Approval Attached

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48744	² Pool Code 7500	³ Pool Name BRONCO; SAN ANDRES, SOUTH
⁴ Property Code 330702	⁵ Property Name BABINEAUX FEE	⁶ Well Number 2H
⁷ OGRID No. 371682	⁸ Operator Name STEWART ENERGY II, LLC	⁹ Elevation 3802'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	13S	38E		341	NORTH	146	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	13S	38E		100	NORTH	1310	EAST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
320.0			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 925931.71' / Y: 796968.63' B - X: 923298.37' / Y: 796935.38' C - X: 923230.66' / Y: 802188.34' D - X: 925863.78' / Y: 802219.85'	CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 884755.82' / Y: 796905.79' B - X: 882122.48' / Y: 796872.42' C - X: 882054.83' / Y: 802125.23' D - X: 884687.91' / Y: 802156.86'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>[Signature]</i> Date: 4-2-21 Printed Name: Ben Barton E-mail Address: ben.barton@stewardenergy.com
	LAST TAKE POINT/BOTTOM HOLE LOCATION 100' FNL 1310' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 924655.16' / Y: 802104.18' LAT: 33.19864554N / LON: 103.08056856W NAD 27, SPCS NM EAST X: 883379.30' / Y: 802041.14' LAT: 33.19853827N / LON: 103.08006934W		
	FIRST TAKE POINT 100' FSL 1310' FEL, SECTION 15 NAD 83, SPCS NM EAST X: 924620.52' / Y: 797052.08' LAT: 33.18476112N / LON: 103.08055263W NAD 27, SPCS NM EAST X: 883444.64' / Y: 796989.18' LAT: 33.18465382N / LON: 103.08005356W		
	KICK OFF POINT 743' FNL 1310' FEL, SECTION 22 NAD 83, SPCS NM EAST X: 924629.92' / Y: 796209.53' LAT: 33.18244563N / LON: 103.08055486W NAD 27, SPCS NM EAST X: 883454.03' / Y: 796146.65' LAT: 33.18233832N / LON: 103.08005581W		
SURFACE HOLE LOCATION 341' FNL 146' FEL, SECTION 22 NAD 83, SPCS NM EAST X: 925789.29' / Y: 796626.00' LAT: 33.18355181N / LON: 103.07674997W NAD 27, SPCS NM EAST X: 884613.40' / Y: 796563.16' LAT: 33.18344464N / LON: 103.07625101W			¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. MARCH 30, 2021 Date of Survey Signature and Seal of Professional Surveyor: <i>[Signature]</i> Certificate Number: DAVID W. MYERS 11403

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99990013 Convergence Angle: 00°41'16.54001"

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Oil Conservation Division
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Santa Fe, NM 87505

GAS CAPTURE PLAN

Date: 4/29/2021

☒ Original

Operator & OGRID No.: [371682] STEWARD ENERGY II, LLC

☐ Amended - Reason for
Amendment:

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
BABINEXAUX FEE #002H	30-025-48744	A-22-13S-38E	0341N 0146E	200	None	Will connect as soon as possible

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to STAKEHOLDER GAS UTILITY, LLC and will be connected to STAKEHOLDER GAS UTILITY, LLC Low Pressure gathering system located in Lea County, New Mexico. It will require 5000' of pipeline to connect the facility to Low Pressure gathering system. STEWART ENERGY II, LLC provides (periodically) to STAKEHOLDER GAS UTILITY, LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, STEWART ENERGY II, LLC and STAKEHOLDER GAS UTILITY, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at STAKEHOLDER GAS UTILITY, LLC Processing Plant located in Sec. 24, Twn. 13S, Rng. 38E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on STAKEHOLDER GAS UTILITY, LLC system at that time. Based on current information, it is STEWART ENERGY II, LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 294459

PERMIT COMMENTS

Operator Name and Address: STEWARD ENERGY II, LLC [371682] 2600 Dallas Parkway Frisco, TX 75034	API Number: 30-025-48744
	Well: BABINEXAUX FEE #002H

Created By	Comment	Comment Date
hpankratz	For some reason, under the Completions section a SPU? shows up as 30-025-47475 combo fee 2h?? Don't understand	4/3/2021
hpankratz	Disreguard comment	4/3/2021

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Form APD Conditions

Permit 294459

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: STEWART ENERGY II, LLC [371682] 2600 Dallas Parkway Frisco, TX 75034	API Number: 30-025-48744
	Well: BABINEXAUX FEE #002H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	SURFACE & PRODUCTION CASING - Cement must circulate to surface
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

Steward Energy II, LLC

DrilTech, LLC

Lea County, NM (NAD 83) NM East Zone
Babineaux Fee 2H
Babineaux Fee 2H
Wellbore #1
Plan #1



SURFACE LOCATION

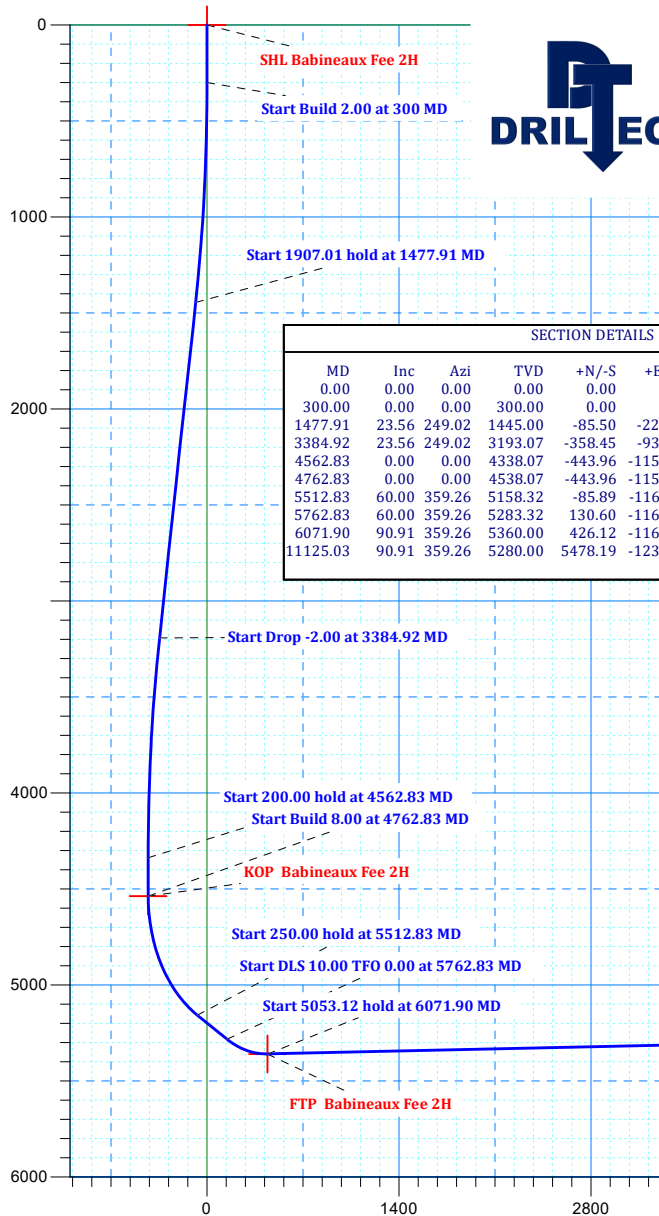
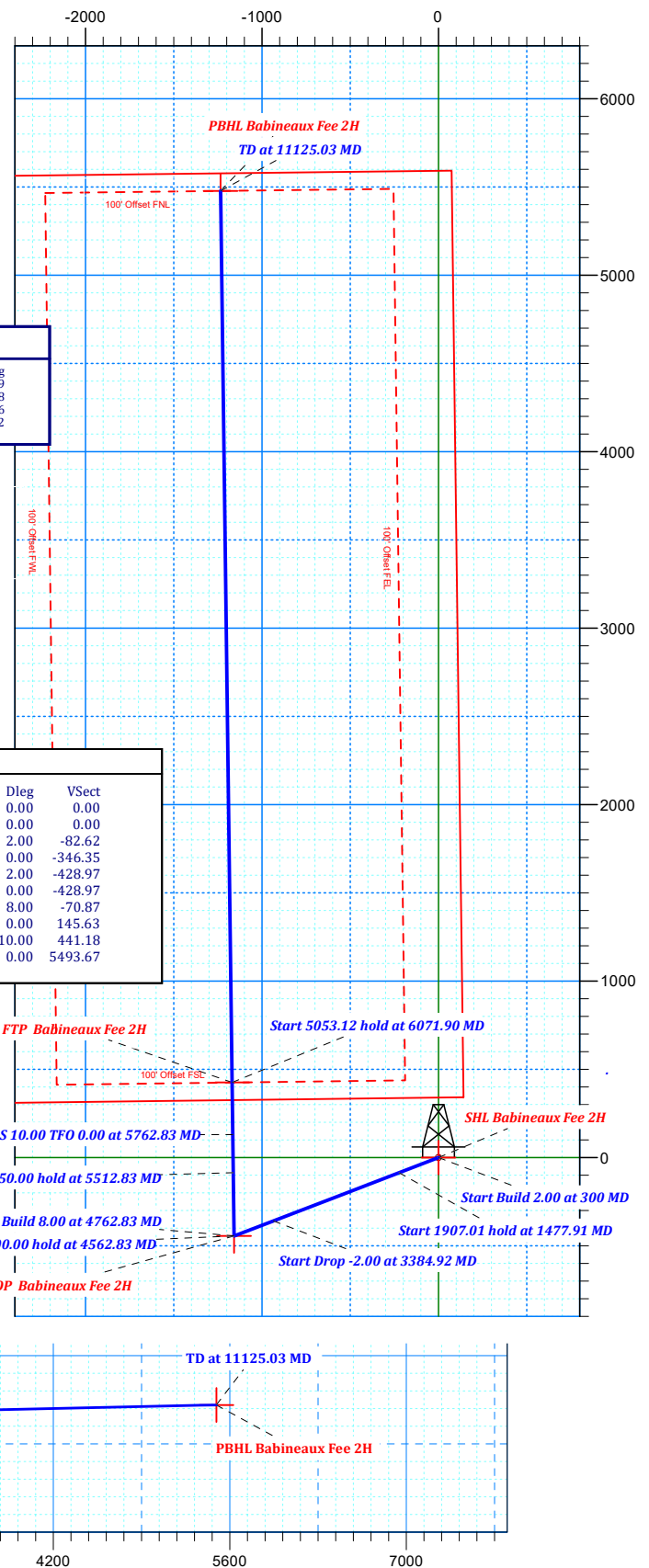
US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3802' + RKB 17' @ 3819.00ft
Northing 796626.00 Easting 925789.29 Latitude 33.184 Longitude -103.077

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
SHL Babineaux Fee 2H	0.00	0.00	0.00	796626.00	925789.29
KOP Babineaux Fee 2H	4538.07	-443.96	-1157.51	796182.04	924631.78
PBHL Babineaux Fee 2H	5478.19	-1234.13	-1168.77	802104.18	924555.16
FTP Babineaux Fee 2H	5360.00	426.08	-1168.77	797052.08	924620.52



SECTION DETAILS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	V'Sect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00
1477.91	23.56	249.02	1445.00	-85.50	-222.93	2.00	-82.62
3384.92	23.56	249.02	3193.07	-358.45	-934.58	0.00	-346.35
4562.83	0.00	0.00	4338.07	-443.96	-1157.51	2.00	-428.97
4762.83	0.00	0.00	4538.07	-443.96	-1157.51	0.00	-428.97
5512.83	60.00	359.26	5158.32	-85.89	-1162.14	8.00	-70.87
5762.83	60.00	359.26	5283.32	130.60	-1164.93	0.00	145.63
6071.90	90.91	359.26	5360.00	426.12	-1168.75	10.00	441.18
11125.03	90.91	359.26	5280.00	5478.19	-1234.13	0.00	5493.67



Vertical Section at 359.26° (1400 ft/in)

Steward Energy II, LLC

Lea County, NM (NAD 83) NM East Zone

Babineaux Fee 2H

Babineaux Fee 2H

Wellbore #1

Plan: Plan #1

Standard Planning Report

31 March, 2021

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Lea County, NM (NAD 83) NM East Zone		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Babineaux Fee 2H			
Site Position:		Northing:	796,626.00 usft	Latitude: 33.184
From:	Map	Easting:	925,789.29 usft	Longitude: -103.077
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	

Well	Babineaux Fee 2H			
Well Position	+N/-S	0.00 ft	Northing:	796,626.00 usft
	+E/-W	0.00 ft	Easting:	925,789.29 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft
Grid Convergence:		0.69 °	Ground Level:	3,802.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/16/2021	6.41	60.85	48,161.30150321

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	359.26

Plan Survey Tool Program	Date	3/31/2021		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	11,125.03	Plan #1 (Wellbore #1)	MWD
			MWD - Standard	

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,477.91	23.56	249.02	1,445.00	-85.50	-222.93	2.00	2.00	0.00	249.02	
3,384.92	23.56	249.02	3,193.07	-358.45	-934.58	0.00	0.00	0.00	0.00	
4,562.83	0.00	0.00	4,338.07	-443.96	-1,157.51	2.00	-2.00	0.00	180.00	
4,762.83	0.00	0.00	4,538.07	-443.96	-1,157.51	0.00	0.00	0.00	0.00	
5,512.83	60.00	359.26	5,158.32	-85.89	-1,162.14	8.00	8.00	0.00	359.26	
5,762.83	60.00	359.26	5,283.32	130.60	-1,164.93	0.00	0.00	0.00	0.00	
6,071.90	90.91	359.26	5,360.01	426.12	-1,168.75	10.00	10.00	0.00	0.00	
11,125.03	90.91	359.26	5,280.00	5,478.19	-1,234.13	0.00	0.00	0.00	0.00	PBHL Babineaux Fee

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00 at 300 MD									
400.00	2.00	249.02	399.98	-0.62	-1.63	-0.60	2.00	2.00	0.00
500.00	4.00	249.02	499.84	-2.50	-6.52	-2.41	2.00	2.00	0.00
600.00	6.00	249.02	599.45	-5.62	-14.65	-5.43	2.00	2.00	0.00
700.00	8.00	249.02	698.70	-9.98	-26.03	-9.65	2.00	2.00	0.00
800.00	10.00	249.02	797.47	-15.59	-40.64	-15.06	2.00	2.00	0.00
900.00	12.00	249.02	895.62	-22.42	-58.45	-21.66	2.00	2.00	0.00
1,000.00	14.00	249.02	993.06	-30.47	-79.45	-29.45	2.00	2.00	0.00
1,100.00	16.00	249.02	1,089.64	-39.74	-103.62	-38.40	2.00	2.00	0.00
1,200.00	18.00	249.02	1,185.27	-50.21	-130.91	-48.52	2.00	2.00	0.00
1,300.00	20.00	249.02	1,279.82	-61.87	-161.31	-59.78	2.00	2.00	0.00
1,400.00	22.00	249.02	1,373.17	-74.70	-194.77	-72.18	2.00	2.00	0.00
1,477.91	23.56	249.02	1,445.00	-85.50	-222.93	-82.62	2.00	2.00	0.00
Start 1907.01 hold at 1477.91 MD									
1,500.00	23.56	249.02	1,465.25	-88.67	-231.18	-85.67	0.00	0.00	0.00
1,600.00	23.56	249.02	1,556.91	-102.98	-268.49	-99.50	0.00	0.00	0.00
1,700.00	23.56	249.02	1,648.58	-117.29	-305.81	-113.33	0.00	0.00	0.00
1,800.00	23.56	249.02	1,740.25	-131.61	-343.13	-127.16	0.00	0.00	0.00
1,900.00	23.56	249.02	1,831.91	-145.92	-380.45	-140.99	0.00	0.00	0.00
2,000.00	23.56	249.02	1,923.58	-160.23	-417.76	-154.82	0.00	0.00	0.00
2,100.00	23.56	249.02	2,015.24	-174.54	-455.08	-168.65	0.00	0.00	0.00
2,200.00	23.56	249.02	2,106.91	-188.86	-492.40	-182.48	0.00	0.00	0.00
2,300.00	23.56	249.02	2,198.57	-203.17	-529.71	-196.31	0.00	0.00	0.00
2,400.00	23.56	249.02	2,290.24	-217.48	-567.03	-210.14	0.00	0.00	0.00
2,500.00	23.56	249.02	2,381.90	-231.80	-604.35	-223.97	0.00	0.00	0.00
2,600.00	23.56	249.02	2,473.57	-246.11	-641.67	-237.80	0.00	0.00	0.00
2,700.00	23.56	249.02	2,565.23	-260.42	-678.98	-251.63	0.00	0.00	0.00
2,800.00	23.56	249.02	2,656.90	-274.73	-716.30	-265.46	0.00	0.00	0.00
2,900.00	23.56	249.02	2,748.56	-289.05	-753.62	-279.29	0.00	0.00	0.00
3,000.00	23.56	249.02	2,840.23	-303.36	-790.94	-293.12	0.00	0.00	0.00
3,100.00	23.56	249.02	2,931.90	-317.67	-828.25	-306.95	0.00	0.00	0.00
3,200.00	23.56	249.02	3,023.56	-331.99	-865.57	-320.78	0.00	0.00	0.00
3,300.00	23.56	249.02	3,115.23	-346.30	-902.89	-334.61	0.00	0.00	0.00
3,384.92	23.56	249.02	3,193.07	-358.45	-934.58	-346.35	0.00	0.00	0.00
Start Drop -2.00 at 3384.92 MD									
3,400.00	23.26	249.02	3,206.91	-360.60	-940.17	-348.43	2.00	-2.00	0.00
3,500.00	21.26	249.02	3,299.45	-374.16	-975.53	-361.53	2.00	-2.00	0.00
3,600.00	19.26	249.02	3,393.26	-386.56	-1,007.86	-373.51	2.00	-2.00	0.00
3,700.00	17.26	249.02	3,488.22	-397.78	-1,037.11	-384.35	2.00	-2.00	0.00
3,800.00	15.26	249.02	3,584.22	-407.80	-1,063.24	-394.04	2.00	-2.00	0.00
3,900.00	13.26	249.02	3,681.14	-416.62	-1,086.24	-402.56	2.00	-2.00	0.00
4,000.00	11.26	249.02	3,778.85	-424.22	-1,106.06	-409.90	2.00	-2.00	0.00
4,100.00	9.26	249.02	3,877.25	-430.60	-1,122.68	-416.06	2.00	-2.00	0.00
4,200.00	7.26	249.02	3,976.21	-435.74	-1,136.09	-421.03	2.00	-2.00	0.00
4,300.00	5.26	249.02	4,075.61	-439.64	-1,146.26	-424.80	2.00	-2.00	0.00
4,400.00	3.26	249.02	4,175.33	-442.30	-1,153.19	-427.37	2.00	-2.00	0.00
4,500.00	1.26	249.02	4,275.24	-443.71	-1,156.87	-428.73	2.00	-2.00	0.00
4,562.83	0.00	0.00	4,338.07	-443.96	-1,157.51	-428.97	2.00	-2.00	0.00
Start 200.00 hold at 4562.83 MD									
4,600.00	0.00	0.00	4,375.24	-443.96	-1,157.51	-428.97	0.00	0.00	0.00

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,700.00	0.00	0.00	4,475.24	-443.96	-1,157.51	-428.97	0.00	0.00	0.00
4,762.83	0.00	0.00	4,538.07	-443.96	-1,157.51	-428.97	0.00	0.00	0.00
Start Build 8.00 at 4762.83 MD									
4,800.00	2.97	359.26	4,575.22	-442.99	-1,157.52	-428.01	8.00	8.00	0.00
4,900.00	10.97	359.26	4,674.40	-430.86	-1,157.68	-415.88	8.00	8.00	0.00
5,000.00	18.97	359.26	4,770.93	-405.05	-1,158.01	-390.06	8.00	8.00	0.00
5,100.00	26.97	359.26	4,862.92	-366.05	-1,158.52	-351.06	8.00	8.00	0.00
5,200.00	34.97	359.26	4,948.59	-314.64	-1,159.18	-299.64	8.00	8.00	0.00
5,300.00	42.97	359.26	5,026.27	-251.80	-1,159.99	-236.79	8.00	8.00	0.00
5,400.00	50.97	359.26	5,094.45	-178.76	-1,160.94	-163.75	8.00	8.00	0.00
5,500.00	58.97	359.26	5,151.80	-96.94	-1,161.99	-81.93	8.00	8.00	0.00
5,512.83	60.00	359.26	5,158.32	-85.89	-1,162.14	-70.87	8.00	8.00	0.00
Start 250.00 hold at 5512.83 MD									
5,600.00	60.00	359.26	5,201.90	-10.41	-1,163.11	4.62	0.00	0.00	0.00
5,700.00	60.00	359.26	5,251.90	76.19	-1,164.23	91.22	0.00	0.00	0.00
5,762.83	60.00	359.26	5,283.32	130.60	-1,164.93	145.63	0.00	0.00	0.00
Start DLS 10.00 TFO 0.00 at 5762.83 MD									
5,800.00	63.72	359.26	5,300.84	163.37	-1,165.36	178.40	10.00	10.00	0.00
5,900.00	73.72	359.26	5,337.09	256.42	-1,166.56	271.46	10.00	10.00	0.00
6,000.00	83.72	359.26	5,356.64	354.35	-1,167.83	369.41	10.00	10.00	0.00
6,071.90	90.91	359.26	5,360.01	426.12	-1,168.75	441.18	10.00	10.00	0.00
Start 5053.12 hold at 6071.90 MD									
6,100.00	90.91	359.26	5,359.56	454.22	-1,169.12	469.28	0.00	0.00	0.00
6,200.00	90.91	359.26	5,357.98	554.19	-1,170.41	569.26	0.00	0.00	0.00
6,300.00	90.91	359.26	5,356.39	654.17	-1,171.70	669.25	0.00	0.00	0.00
6,400.00	90.91	359.26	5,354.81	754.15	-1,173.00	769.24	0.00	0.00	0.00
6,500.00	90.91	359.26	5,353.23	854.13	-1,174.29	869.23	0.00	0.00	0.00
6,600.00	90.91	359.26	5,351.64	954.11	-1,175.59	969.21	0.00	0.00	0.00
6,700.00	90.91	359.26	5,350.06	1,054.09	-1,176.88	1,069.20	0.00	0.00	0.00
6,800.00	90.91	359.26	5,348.48	1,154.07	-1,178.17	1,169.19	0.00	0.00	0.00
6,900.00	90.91	359.26	5,346.89	1,254.05	-1,179.47	1,269.18	0.00	0.00	0.00
7,000.00	90.91	359.26	5,345.31	1,354.03	-1,180.76	1,369.16	0.00	0.00	0.00
7,100.00	90.91	359.26	5,343.73	1,454.01	-1,182.05	1,469.15	0.00	0.00	0.00
7,200.00	90.91	359.26	5,342.14	1,553.99	-1,183.35	1,569.14	0.00	0.00	0.00
7,300.00	90.91	359.26	5,340.56	1,653.96	-1,184.64	1,669.13	0.00	0.00	0.00
7,400.00	90.91	359.26	5,338.98	1,753.94	-1,185.94	1,769.11	0.00	0.00	0.00
7,500.00	90.91	359.26	5,337.39	1,853.92	-1,187.23	1,869.10	0.00	0.00	0.00
7,600.00	90.91	359.26	5,335.81	1,953.90	-1,188.52	1,969.09	0.00	0.00	0.00
7,700.00	90.91	359.26	5,334.23	2,053.88	-1,189.82	2,069.08	0.00	0.00	0.00
7,800.00	90.91	359.26	5,332.64	2,153.86	-1,191.11	2,169.06	0.00	0.00	0.00
7,900.00	90.91	359.26	5,331.06	2,253.84	-1,192.40	2,269.05	0.00	0.00	0.00
8,000.00	90.91	359.26	5,329.48	2,353.82	-1,193.70	2,369.04	0.00	0.00	0.00
8,100.00	90.91	359.26	5,327.89	2,453.80	-1,194.99	2,469.03	0.00	0.00	0.00
8,200.00	90.91	359.26	5,326.31	2,553.78	-1,196.29	2,569.01	0.00	0.00	0.00
8,300.00	90.91	359.26	5,324.73	2,653.76	-1,197.58	2,669.00	0.00	0.00	0.00
8,400.00	90.91	359.26	5,323.14	2,753.73	-1,198.87	2,768.99	0.00	0.00	0.00
8,500.00	90.91	359.26	5,321.56	2,853.71	-1,200.17	2,868.98	0.00	0.00	0.00
8,600.00	90.91	359.26	5,319.98	2,953.69	-1,201.46	2,968.96	0.00	0.00	0.00
8,700.00	90.91	359.26	5,318.40	3,053.67	-1,202.75	3,068.95	0.00	0.00	0.00
8,800.00	90.91	359.26	5,316.81	3,153.65	-1,204.05	3,168.94	0.00	0.00	0.00
8,900.00	90.91	359.26	5,315.23	3,253.63	-1,205.34	3,268.93	0.00	0.00	0.00
9,000.00	90.91	359.26	5,313.65	3,353.61	-1,206.64	3,368.91	0.00	0.00	0.00
9,100.00	90.91	359.26	5,312.06	3,453.59	-1,207.93	3,468.90	0.00	0.00	0.00

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
9,200.00	90.91	359.26	5,310.48	3,553.57	-1,209.22	3,568.89	0.00	0.00	0.00	
9,300.00	90.91	359.26	5,308.90	3,653.55	-1,210.52	3,668.88	0.00	0.00	0.00	
9,400.00	90.91	359.26	5,307.31	3,753.53	-1,211.81	3,768.86	0.00	0.00	0.00	
9,500.00	90.91	359.26	5,305.73	3,853.50	-1,213.10	3,868.85	0.00	0.00	0.00	
9,600.00	90.91	359.26	5,304.15	3,953.48	-1,214.40	3,968.84	0.00	0.00	0.00	
9,700.00	90.91	359.26	5,302.56	4,053.46	-1,215.69	4,068.83	0.00	0.00	0.00	
9,800.00	90.91	359.26	5,300.98	4,153.44	-1,216.99	4,168.81	0.00	0.00	0.00	
9,900.00	90.91	359.26	5,299.40	4,253.42	-1,218.28	4,268.80	0.00	0.00	0.00	
10,000.00	90.91	359.26	5,297.81	4,353.40	-1,219.57	4,368.79	0.00	0.00	0.00	
10,100.00	90.91	359.26	5,296.23	4,453.38	-1,220.87	4,468.78	0.00	0.00	0.00	
10,200.00	90.91	359.26	5,294.65	4,553.36	-1,222.16	4,568.76	0.00	0.00	0.00	
10,300.00	90.91	359.26	5,293.06	4,653.34	-1,223.45	4,668.75	0.00	0.00	0.00	
10,400.00	90.91	359.26	5,291.48	4,753.32	-1,224.75	4,768.74	0.00	0.00	0.00	
10,500.00	90.91	359.26	5,289.90	4,853.30	-1,226.04	4,868.73	0.00	0.00	0.00	
10,600.00	90.91	359.26	5,288.31	4,953.27	-1,227.34	4,968.71	0.00	0.00	0.00	
10,700.00	90.91	359.26	5,286.73	5,053.25	-1,228.63	5,068.70	0.00	0.00	0.00	
10,800.00	90.91	359.26	5,285.15	5,153.23	-1,229.92	5,168.69	0.00	0.00	0.00	
10,900.00	90.91	359.26	5,283.56	5,253.21	-1,231.22	5,268.68	0.00	0.00	0.00	
11,000.00	90.91	359.26	5,281.98	5,353.19	-1,232.51	5,368.66	0.00	0.00	0.00	
11,100.00	90.91	359.26	5,280.40	5,453.17	-1,233.80	5,468.65	0.00	0.00	0.00	
11,125.03	90.91	359.26	5,280.00	5,478.19	-1,234.13	5,493.67	0.00	0.00	0.00	
TD at 11125.03 MD										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
SHL Babineaux Fee 2H - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	796,626.00	925,789.29	33.184	-103.077	
KOP Babineaux Fee 2H - plan hits target center - Point	0.00	0.00	4,538.07	-443.96	-1,157.51	796,182.04	924,631.78	33.182	-103.081	
PBHL Babineaux Fee 2H - plan hits target center - Point	0.00	0.00	5,280.00	5,478.19	-1,234.13	802,104.18	924,555.16	33.199	-103.081	
FTP Babineaux Fee 2H - plan misses target center by 0.02ft at 6071.86ft MD (5360.01 TVD, 426.08 N, -1168.75 E) - Point	0.00	0.00	5,360.00	426.08	-1,168.77	797,052.08	924,620.52	33.185	-103.081	

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
300.00	300.00	0.00	0.00	Start Build 2.00 at 300 MD	
1,477.91	1,445.00	-85.50	-222.93	Start 1907.01 hold at 1477.91 MD	
3,384.92	3,193.07	-358.45	-934.58	Start Drop -2.00 at 3384.92 MD	
4,562.83	4,338.07	-443.96	-1,157.51	Start 200.00 hold at 4562.83 MD	
4,762.83	4,538.07	-443.96	-1,157.51	Start Build 8.00 at 4762.83 MD	
5,512.83	5,158.32	-85.89	-1,162.14	Start 250.00 hold at 5512.83 MD	
5,762.83	5,283.32	130.60	-1,164.93	Start DLS 10.00 TFO 0.00 at 5762.83 MD	
6,071.90	5,360.01	426.12	-1,168.75	Start 5053.12 hold at 6071.90 MD	
11,125.03	5,280.00	5,478.19	-1,234.13	TD at 11125.03 MD	

Steward Energy II, LLC

Lea County, NM (NAD 83) NM East Zone

Babineaux Fee 2H

Babineaux Fee 2H

Wellbore #1

Plan: Plan #1

Standard Planning Report - Geographic

31 March, 2021

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Lea County, NM (NAD 83) NM East Zone		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Babineaux Fee 2H				
Site Position:		Northing:	796,626.00 usft	Latitude:	33.184
From:	Map	Easting:	925,789.29 usft	Longitude:	-103.077
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in		

Well	Babineaux Fee 2H					
Well Position	+N/-S	0.00 ft	Northing:	796,626.00 usft	Latitude:	33.184
	+E/-W	0.00 ft	Easting:	925,789.29 usft	Longitude:	-103.077
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,802.00 ft
Grid Convergence:		0.69 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/16/2021	6.41	60.85	48,161.30150321

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	359.26

Plan Survey Tool Program	Date	3/31/2021		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	11,125.03 Plan #1 (Wellbore #1)	MWD	
			MWD - Standard	

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,477.91	23.56	249.02	1,445.00	-85.50	-222.93	2.00	2.00	0.00	249.02	
3,384.92	23.56	249.02	3,193.07	-358.45	-934.58	0.00	0.00	0.00	0.00	
4,562.83	0.00	0.00	4,338.07	-443.96	-1,157.51	2.00	-2.00	0.00	180.00	
4,762.83	0.00	0.00	4,538.07	-443.96	-1,157.51	0.00	0.00	0.00	0.00	
5,512.83	60.00	359.26	5,158.32	-85.89	-1,162.14	8.00	8.00	0.00	359.26	
5,762.83	60.00	359.26	5,283.32	130.60	-1,164.93	0.00	0.00	0.00	0.00	
6,071.90	90.91	359.26	5,360.01	426.12	-1,168.75	10.00	10.00	0.00	0.00	
11,125.03	90.91	359.26	5,280.00	5,478.19	-1,234.13	0.00	0.00	0.00	0.00	PBHL Babineaux Fee

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	796,626.00	925,789.29	33.184	-103.077
100.00	0.00	0.00	100.00	0.00	0.00	796,626.00	925,789.29	33.184	-103.077
200.00	0.00	0.00	200.00	0.00	0.00	796,626.00	925,789.29	33.184	-103.077
300.00	0.00	0.00	300.00	0.00	0.00	796,626.00	925,789.29	33.184	-103.077
Start Build 2.00 at 300 MD									
400.00	2.00	249.02	399.98	-0.62	-1.63	796,625.37	925,787.66	33.184	-103.077
500.00	4.00	249.02	499.84	-2.50	-6.52	796,623.50	925,782.77	33.184	-103.077
600.00	6.00	249.02	599.45	-5.62	-14.65	796,620.38	925,774.63	33.184	-103.077
700.00	8.00	249.02	698.70	-9.98	-26.03	796,616.01	925,763.25	33.184	-103.077
800.00	10.00	249.02	797.47	-15.59	-40.64	796,610.41	925,748.65	33.184	-103.077
900.00	12.00	249.02	895.62	-22.42	-58.45	796,603.58	925,730.84	33.183	-103.077
1,000.00	14.00	249.02	993.06	-30.47	-79.45	796,595.52	925,709.83	33.183	-103.077
1,100.00	16.00	249.02	1,089.64	-39.74	-103.62	796,586.26	925,685.67	33.183	-103.077
1,200.00	18.00	249.02	1,185.27	-50.21	-130.91	796,575.79	925,658.37	33.183	-103.077
1,300.00	20.00	249.02	1,279.82	-61.87	-161.31	796,564.13	925,627.98	33.183	-103.077
1,400.00	22.00	249.02	1,373.17	-74.70	-194.77	796,551.30	925,594.52	33.183	-103.077
1,477.91	23.56	249.02	1,445.00	-85.50	-222.93	796,540.49	925,566.35	33.183	-103.077
Start 1907.01 hold at 1477.91 MD									
1,500.00	23.56	249.02	1,465.25	-88.67	-231.18	796,537.33	925,558.11	33.183	-103.078
1,600.00	23.56	249.02	1,556.91	-102.98	-268.49	796,523.02	925,520.79	33.183	-103.078
1,700.00	23.56	249.02	1,648.58	-117.29	-305.81	796,508.71	925,483.48	33.183	-103.078
1,800.00	23.56	249.02	1,740.25	-131.61	-343.13	796,494.39	925,446.16	33.183	-103.078
1,900.00	23.56	249.02	1,831.91	-145.92	-380.45	796,480.08	925,408.84	33.183	-103.078
2,000.00	23.56	249.02	1,923.58	-160.23	-417.76	796,465.77	925,371.52	33.183	-103.078
2,100.00	23.56	249.02	2,015.24	-174.54	-455.08	796,451.45	925,334.21	33.183	-103.078
2,200.00	23.56	249.02	2,106.91	-188.86	-492.40	796,437.14	925,296.89	33.183	-103.078
2,300.00	23.56	249.02	2,198.57	-203.17	-529.71	796,422.83	925,259.57	33.183	-103.078
2,400.00	23.56	249.02	2,290.24	-217.48	-567.03	796,408.52	925,222.25	33.183	-103.079
2,500.00	23.56	249.02	2,381.90	-231.80	-604.35	796,394.20	925,184.94	33.183	-103.079
2,600.00	23.56	249.02	2,473.57	-246.11	-641.67	796,379.89	925,147.62	33.183	-103.079
2,700.00	23.56	249.02	2,565.23	-260.42	-678.98	796,365.58	925,110.30	33.183	-103.079
2,800.00	23.56	249.02	2,656.90	-274.73	-716.30	796,351.26	925,072.99	33.183	-103.079
2,900.00	23.56	249.02	2,748.56	-289.05	-753.62	796,336.95	925,035.67	33.183	-103.079
3,000.00	23.56	249.02	2,840.23	-303.36	-790.94	796,322.64	924,998.35	33.183	-103.079
3,100.00	23.56	249.02	2,931.90	-317.67	-828.25	796,308.33	924,961.03	33.183	-103.079
3,200.00	23.56	249.02	3,023.56	-331.99	-865.57	796,294.01	924,923.72	33.183	-103.080
3,300.00	23.56	249.02	3,115.23	-346.30	-902.89	796,279.70	924,886.40	33.183	-103.080
3,384.92	23.56	249.02	3,193.07	-358.45	-934.58	796,267.55	924,854.71	33.183	-103.080
Start Drop -2.00 at 3384.92 MD									
3,400.00	23.26	249.02	3,206.91	-360.60	-940.17	796,265.40	924,849.12	33.183	-103.080
3,500.00	21.26	249.02	3,299.45	-374.16	-975.53	796,251.84	924,813.75	33.183	-103.080
3,600.00	19.26	249.02	3,393.26	-386.56	-1,007.86	796,239.44	924,781.43	33.183	-103.080
3,700.00	17.26	249.02	3,488.22	-397.78	-1,037.11	796,228.22	924,752.18	33.182	-103.080
3,800.00	15.26	249.02	3,584.22	-407.80	-1,063.24	796,218.20	924,726.04	33.182	-103.080
3,900.00	13.26	249.02	3,681.14	-416.62	-1,086.24	796,209.38	924,703.05	33.182	-103.080
4,000.00	11.26	249.02	3,778.85	-424.22	-1,106.06	796,201.78	924,683.23	33.182	-103.080
4,100.00	9.26	249.02	3,877.25	-430.60	-1,122.68	796,195.40	924,666.61	33.182	-103.080
4,200.00	7.26	249.02	3,976.21	-435.74	-1,136.09	796,190.26	924,653.20	33.182	-103.080
4,300.00	5.26	249.02	4,075.61	-439.64	-1,146.26	796,186.36	924,643.03	33.182	-103.081
4,400.00	3.26	249.02	4,175.33	-442.30	-1,153.19	796,183.70	924,636.10	33.182	-103.081
4,500.00	1.26	249.02	4,275.24	-443.71	-1,156.87	796,182.29	924,632.42	33.182	-103.081
4,562.83	0.00	0.00	4,338.07	-443.96	-1,157.51	796,182.04	924,631.78	33.182	-103.081
Start 200.00 hold at 4562.83 MD									
4,600.00	0.00	0.00	4,375.24	-443.96	-1,157.51	796,182.04	924,631.78	33.182	-103.081

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,700.00	0.00	0.00	4,475.24	-443.96	-1,157.51	796,182.04	924,631.78	33.182	-103.081
4,762.83	0.00	0.00	4,538.07	-443.96	-1,157.51	796,182.04	924,631.78	33.182	-103.081
Start Build 8.00 at 4762.83 MD									
4,800.00	2.97	359.26	4,575.22	-442.99	-1,157.52	796,183.00	924,631.76	33.182	-103.081
4,900.00	10.97	359.26	4,674.40	-430.86	-1,157.68	796,195.13	924,631.61	33.182	-103.081
5,000.00	18.97	359.26	4,770.93	-405.05	-1,158.01	796,220.95	924,631.27	33.182	-103.081
5,100.00	26.97	359.26	4,862.92	-366.05	-1,158.52	796,259.94	924,630.77	33.183	-103.081
5,200.00	34.97	359.26	4,948.59	-314.64	-1,159.18	796,311.36	924,630.11	33.183	-103.081
5,300.00	42.97	359.26	5,026.27	-251.80	-1,159.99	796,374.20	924,629.29	33.183	-103.081
5,400.00	50.97	359.26	5,094.45	-178.76	-1,160.94	796,447.24	924,628.35	33.183	-103.081
5,500.00	58.97	359.26	5,151.80	-96.94	-1,161.99	796,529.06	924,627.29	33.183	-103.081
5,512.83	60.00	359.26	5,158.32	-85.89	-1,162.14	796,540.11	924,627.15	33.183	-103.081
Start 250.00 hold at 5512.83 MD									
5,600.00	60.00	359.26	5,201.90	-10.41	-1,163.11	796,615.59	924,626.18	33.184	-103.081
5,700.00	60.00	359.26	5,251.90	76.19	-1,164.23	796,702.19	924,625.06	33.184	-103.081
5,762.83	60.00	359.26	5,283.32	130.60	-1,164.93	796,756.60	924,624.36	33.184	-103.081
Start DLS 10.00 TFO 0.00 at 5762.83 MD									
5,800.00	63.72	359.26	5,300.84	163.37	-1,165.36	796,789.36	924,623.93	33.184	-103.081
5,900.00	73.72	359.26	5,337.09	256.42	-1,166.56	796,882.42	924,622.73	33.184	-103.081
6,000.00	83.72	359.26	5,356.64	354.35	-1,167.83	796,980.35	924,621.46	33.185	-103.081
6,071.90	90.91	359.26	5,360.01	426.12	-1,168.75	797,052.12	924,620.53	33.185	-103.081
Start 5053.12 hold at 6071.90 MD									
6,100.00	90.91	359.26	5,359.56	454.22	-1,169.12	797,080.21	924,620.17	33.185	-103.081
6,200.00	90.91	359.26	5,357.98	554.19	-1,170.41	797,180.19	924,618.88	33.185	-103.081
6,300.00	90.91	359.26	5,356.39	654.17	-1,171.70	797,280.17	924,617.58	33.185	-103.081
6,400.00	90.91	359.26	5,354.81	754.15	-1,173.00	797,380.15	924,616.29	33.186	-103.081
6,500.00	90.91	359.26	5,353.23	854.13	-1,174.29	797,480.13	924,615.00	33.186	-103.081
6,600.00	90.91	359.26	5,351.64	954.11	-1,175.59	797,580.11	924,613.70	33.186	-103.081
6,700.00	90.91	359.26	5,350.06	1,054.09	-1,176.88	797,680.09	924,612.41	33.186	-103.081
6,800.00	90.91	359.26	5,348.48	1,154.07	-1,178.17	797,780.06	924,611.11	33.187	-103.081
6,900.00	90.91	359.26	5,346.89	1,254.05	-1,179.47	797,880.04	924,609.82	33.187	-103.081
7,000.00	90.91	359.26	5,345.31	1,354.03	-1,180.76	797,980.02	924,608.53	33.187	-103.081
7,100.00	90.91	359.26	5,343.73	1,454.01	-1,182.05	798,080.00	924,607.23	33.188	-103.081
7,200.00	90.91	359.26	5,342.14	1,553.99	-1,183.35	798,179.98	924,605.94	33.188	-103.081
7,300.00	90.91	359.26	5,340.56	1,653.96	-1,184.64	798,279.96	924,604.65	33.188	-103.081
7,400.00	90.91	359.26	5,338.98	1,753.94	-1,185.94	798,379.94	924,603.35	33.188	-103.081
7,500.00	90.91	359.26	5,337.39	1,853.92	-1,187.23	798,479.92	924,602.06	33.189	-103.081
7,600.00	90.91	359.26	5,335.81	1,953.90	-1,188.52	798,579.90	924,600.77	33.189	-103.081
7,700.00	90.91	359.26	5,334.23	2,053.88	-1,189.82	798,679.87	924,599.47	33.189	-103.081
7,800.00	90.91	359.26	5,332.64	2,153.86	-1,191.11	798,779.85	924,598.18	33.190	-103.081
7,900.00	90.91	359.26	5,331.06	2,253.84	-1,192.40	798,879.83	924,596.88	33.190	-103.081
8,000.00	90.91	359.26	5,329.48	2,353.82	-1,193.70	798,979.81	924,595.59	33.190	-103.081
8,100.00	90.91	359.26	5,327.89	2,453.80	-1,194.99	799,079.79	924,594.30	33.190	-103.081
8,200.00	90.91	359.26	5,326.31	2,553.78	-1,196.29	799,179.77	924,593.00	33.191	-103.081
8,300.00	90.91	359.26	5,324.73	2,653.76	-1,197.58	799,279.75	924,591.71	33.191	-103.081
8,400.00	90.91	359.26	5,323.14	2,753.73	-1,198.87	799,379.73	924,590.42	33.191	-103.081
8,500.00	90.91	359.26	5,321.56	2,853.71	-1,200.17	799,479.71	924,589.12	33.191	-103.081
8,600.00	90.91	359.26	5,319.98	2,953.69	-1,201.46	799,579.68	924,587.83	33.192	-103.081
8,700.00	90.91	359.26	5,318.40	3,053.67	-1,202.75	799,679.66	924,586.53	33.192	-103.081
8,800.00	90.91	359.26	5,316.81	3,153.65	-1,204.05	799,779.64	924,585.24	33.192	-103.081
8,900.00	90.91	359.26	5,315.23	3,253.63	-1,205.34	799,879.62	924,583.95	33.193	-103.081
9,000.00	90.91	359.26	5,313.65	3,353.61	-1,206.64	799,979.60	924,582.65	33.193	-103.081
9,100.00	90.91	359.26	5,312.06	3,453.59	-1,207.93	800,079.58	924,581.36	33.193	-103.081
9,200.00	90.91	359.26	5,310.48	3,553.57	-1,209.22	800,179.56	924,580.07	33.193	-103.081

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
9,300.00	90.91	359.26	5,308.90	3,653.55	-1,210.52	800,279.54	924,578.77	33.194	-103.081	
9,400.00	90.91	359.26	5,307.31	3,753.53	-1,211.81	800,379.52	924,577.48	33.194	-103.081	
9,500.00	90.91	359.26	5,305.73	3,853.50	-1,213.10	800,479.49	924,576.18	33.194	-103.081	
9,600.00	90.91	359.26	5,304.15	3,953.48	-1,214.40	800,579.47	924,574.89	33.194	-103.081	
9,700.00	90.91	359.26	5,302.56	4,053.46	-1,215.69	800,679.45	924,573.60	33.195	-103.081	
9,800.00	90.91	359.26	5,300.98	4,153.44	-1,216.99	800,779.43	924,572.30	33.195	-103.081	
9,900.00	90.91	359.26	5,299.40	4,253.42	-1,218.28	800,879.41	924,571.01	33.195	-103.081	
10,000.00	90.91	359.26	5,297.81	4,353.40	-1,219.57	800,979.39	924,569.72	33.196	-103.081	
10,100.00	90.91	359.26	5,296.23	4,453.38	-1,220.87	801,079.37	924,568.42	33.196	-103.081	
10,200.00	90.91	359.26	5,294.65	4,553.36	-1,222.16	801,179.35	924,567.13	33.196	-103.081	
10,300.00	90.91	359.26	5,293.06	4,653.34	-1,223.45	801,279.33	924,565.83	33.196	-103.081	
10,400.00	90.91	359.26	5,291.48	4,753.32	-1,224.75	801,379.30	924,564.54	33.197	-103.081	
10,500.00	90.91	359.26	5,289.90	4,853.30	-1,226.04	801,479.28	924,563.25	33.197	-103.081	
10,600.00	90.91	359.26	5,288.31	4,953.27	-1,227.34	801,579.26	924,561.95	33.197	-103.081	
10,700.00	90.91	359.26	5,286.73	5,053.25	-1,228.63	801,679.24	924,560.66	33.197	-103.081	
10,800.00	90.91	359.26	5,285.15	5,153.23	-1,229.92	801,779.22	924,559.37	33.198	-103.081	
10,900.00	90.91	359.26	5,283.56	5,253.21	-1,231.22	801,879.20	924,558.07	33.198	-103.081	
11,000.00	90.91	359.26	5,281.98	5,353.19	-1,232.51	801,979.18	924,556.78	33.198	-103.081	
11,100.00	90.91	359.26	5,280.40	5,453.17	-1,233.80	802,079.16	924,555.48	33.199	-103.081	
11,125.03	90.91	359.26	5,280.00	5,478.19	-1,234.13	802,104.18	924,555.16	33.199	-103.081	
TD at 11125.03 MD										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
SHL Babineaux Fee 2H - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	796,626.00	925,789.29	33.184	-103.077	
KOP Babineaux Fee 2H - plan hits target center - Point	0.00	0.00	4,538.07	-443.96	-1,157.51	796,182.04	924,631.78	33.182	-103.081	
PBHL Babineaux Fee 2H - plan hits target center - Point	0.00	0.00	5,280.00	5,478.19	-1,234.13	802,104.18	924,555.16	33.199	-103.081	
FTP Babineaux Fee 2H - plan misses target center by 0.02ft at 6071.86ft MD (5360.01 TVD, 426.08 N, -1168.75 E) - Point	0.00	0.00	5,360.00	426.08	-1,168.77	797,052.08	924,620.52	33.185	-103.081	

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Babineaux Fee 2H
Company:	Steward Energy II, LLC	TVD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Project:	Lea County, NM (NAD 83) NM East Zone	MD Reference:	GL 3802' + RKB 17' @ 3819.00ft
Site:	Babineaux Fee 2H	North Reference:	Grid
Well:	Babineaux Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
300.00	300.00	0.00	0.00	Start Build 2.00 at 300 MD	
1,477.91	1,445.00	-85.50	-222.93	Start 1907.01 hold at 1477.91 MD	
3,384.92	3,193.07	-358.45	-934.58	Start Drop -2.00 at 3384.92 MD	
4,562.83	4,338.07	-443.96	-1,157.51	Start 200.00 hold at 4562.83 MD	
4,762.83	4,538.07	-443.96	-1,157.51	Start Build 8.00 at 4762.83 MD	
5,512.83	5,158.32	-85.89	-1,162.14	Start 250.00 hold at 5512.83 MD	
5,762.83	5,283.32	130.60	-1,164.93	Start DLS 10.00 TFO 0.00 at 5762.83 MD	
6,071.90	5,360.01	426.12	-1,168.75	Start 5053.12 hold at 6071.90 MD	
11,125.03	5,280.00	5,478.19	-1,234.13	TD at 11125.03 MD	