

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD Hobbs
HOBBS OCDFORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

MAY 02 2012

RECEIVED

SUBMIT IN TRIPLICATE- Other instructions on reverse side.1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other2. Name of Operator
Frontier Field Services, LLC3a. Address
4200 E. Skelly Dr., Suite 700, Tulsa, OK 741353b. Phone No. (include area code)
918-388-8408

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

At Surface: 130 FSL, 1813 FEL, Section 21, T 17S, R 32E, NMPM, Lea Co. NM
At TD: Same as surfaceLease Serial No
LC 029509B6. If Indian, Allottee or Tribe Name
N/A7. If Unit or CA/Agreement, Name and/or No.
N/A8. Well Name and No.
MALJAMAR AGI #19. API Well No.
30-025-4042010. Field and Pool, or Exploratory Area
Exploratory (Lower Wolfcamp)11. County or Parish, State
Lea County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Pressure Control
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	clarification
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

FRONTIER FIELD SERVICES LLC REQUESTS APPROVAL TO MODIFY THE DIRECTIONAL PLAN TO SIDETRACK THE WELL APPROVED BY BLM ON APRIL 25, 2012 AS DESCRIBED BELOW:

Operator proposes to modify the sidetrack (directional) plan that BLM approved for this well as follows for the reasons described below. This does not constitute a significant change in the integrity of the plugging of the original borehole or probability of success of the new hole. We used Halliburton to pump 200 sx of Class C Regular cement containing 0.7% Halad(R)-322 fluid loss additive. Density = 16.8 ppg and yield = 1.02 ft³/sx as per our original plan. We waited on cement approximately 30 hours before dressing off. When cement was dressed off, the depth of clean competent cement was 5456' therefore the kickoff point will move down approximately 150' from the depth originally planned. This starts the kickoff point approximately 350 ft above the top of the fish and current depth. This will leave a competent cement plug in the Glorieta Dolomite in excess of 340 feet thick (approximately 5456'-5800'). From there they propose to turn the hole in a 225 degree (south westerly) direction with a dogleg severity of no more than 2 degrees per 100 feet. The hole will be returned to vertical with a lateral displacement of 17 feet from the original borehole. After returning to vertical at approximately 6000' we will continue to an expected TD of 10,000 ft. Completion of the well will be as originally proposed in the APD (see attached Revised Scientific Drilling directional plan). On 4/22/12 we requested an extension of the waiver for the Lesser Prairie Chicken timing restriction to allow us to complete operations due to the delay caused by the unexpected fishing operations. A phone call with Don Peterson of the Carlsbad District on 4/23/12 indicated that BLM would issue the extension.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Alberto A. Gutierrez, RG

Title Consultant to Frontier Field Services LLC

Signature

Date

04/27/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



MAY 03 2012

PB ENERGY (ENTERPRICE PRODUCTS OPERATING)

Lea County, NM (NAD83)

AGI #1

AGI #1

OH

Plan: Plan #2 - Sidetrack

Standard Planning Report

27 April, 2012



Scientific Drilling International, Inc.
Planning Report



Database:	EDM-Regulatory	Local Co-ordinate Reference:	Site AGI #1
Company:	PB ENERGY (ENTERPRICE PRODUCTS OPERATING)	TVD Reference:	GL @ 4016 00usft (Original Well Elev)
Project:	Lea County, NM (NAD83)	MD Reference:	GL @ 4016 00usft (Original Well Elev)
Site:	AGI #1	North Reference:	Grid
Well:	AGI #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 - Sidetrack		

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site						AGI #1											
Site Position:			Northing:			660,051 14 usft			Latitude:			32° 48' 47 651 N					
From:			Lat/Long			Easting:			714,794 89 usft			Longitude:			103° 46' 7 448 W		
Position Uncertainty:			0 00 usft			Slot Radius:			13-3/16 "			Grid Convergence:			0 31 °		

Well	AGI #1					
Well Position	+N/-S	0 00 usft	Northing:	660,051.14 usft	Latitude:	32° 48' 47 651 N
	+E/-W	0 00 usft	Easting:	714,794 89 usft	Longitude:	103° 46' 7 448 W
Position Uncertainty		0 00 usft	Wellhead Elevation:		Ground Level:	0 00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	04/25/12	7 62	60 68	48,859

Design	Plan #2 - Sidetrack			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	5,456 00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0 00	0 00	0 00	225 00

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
5,456 00	0 00	0 00	5,456 00	0 00	0 00	0 00	0 00	0 00	0 00	
5,606 00	3 00	225 00	5,605 93	-2 78	-2 78	2 00	2 00	0 00	225 00	
5,856 00	3 00	225 00	5,855 59	-12 03	-12 03	0 00	0 00	0 00	0 00	
6,016 58	0 00	0 00	6,016 10	-15 00	-15 00	1 87	-1 87	0 00	180 00	
6,100 48	0 00	0 00	6,100 00	-15 00	-15 00	0 00	0 00	0 00	0 00	

Scientific Drilling International, Inc.
Planning Report



Database:	EDM-Regulatory	Local Co-ordinate Reference:	Site AGI #1
Company:	PB ENERGY (ENTERPRICE PRODUCTS OPERATING)	TVD Reference:	GL @ 4016 00usft (Original Well Elev)
Project:	Lea County, NM (NAD83)	MD Reference:	GL @ 4016 00usft (Original Well Elev)
Site:	AGI #1	North Reference:	Grnd
Well:	AGI #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 - Sidetrack		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,456 00	0 00	0 00	5,456 00	0 00	0 00	0 00	0 00	0 00	0 00
KOP									
5,500 00	0 88	225 00	5,500 00	-0 24	-0 24	0 34	2 00	2 00	0 00
5,600 00	2 88	225 00	5,599 94	-2 56	-2 56	3 62	2 00	2 00	0 00
5,606 00	3 00	225 00	5,605 93	-2 78	-2 78	3 93	2 00	2 00	0 00
EOC Hold 3.00°/100									
5,700 00	3 00	225 00	5,699 80	-6 25	-6 25	8 85	0 00	0 00	0 00
5,800 00	3 00	225 00	5,799 67	-9 96	-9 96	14 08	0 00	0 00	0 00
5,856 00	3 00	225 00	5,855 59	-12 03	-12 03	17 01	0 00	0 00	0 00
5,900 00	2 18	225 00	5,899 54	-13 43	-13 43	19 00	1 87	-1 87	0 00
6,000 00	0 31	225 00	5,999 52	-14 97	-14 97	21 17	1 87	-1 87	0 00
6,016 58	0 00	0 00	6,016 10	-15 00	-15 00	21 21	1 87	-1 87	814 23
EOC 0.00° INC									
6,100 48	0 00	0 00	6,100 00	-15 00	-15 00	21 21	0 00	0 00	0 00
PBHL - AGI #1									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL - AGI #1	0 00	0 00	6,100 00	-15 00	-15 00	660,036 14	714,779 89	32° 48' 47 503 N	103° 46' 7 624 W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,456 00	5,456 00	0 00	0 00	KOP
5,606 00	5,605 93	-2 78	-2 78	EOC Hold 3 00°/100
6,016 58	6,016 10	-15 00	-15 00	EOC 0 00° INC

B ENERGY (ENTERPRICE PRODUCTS OPERATING)

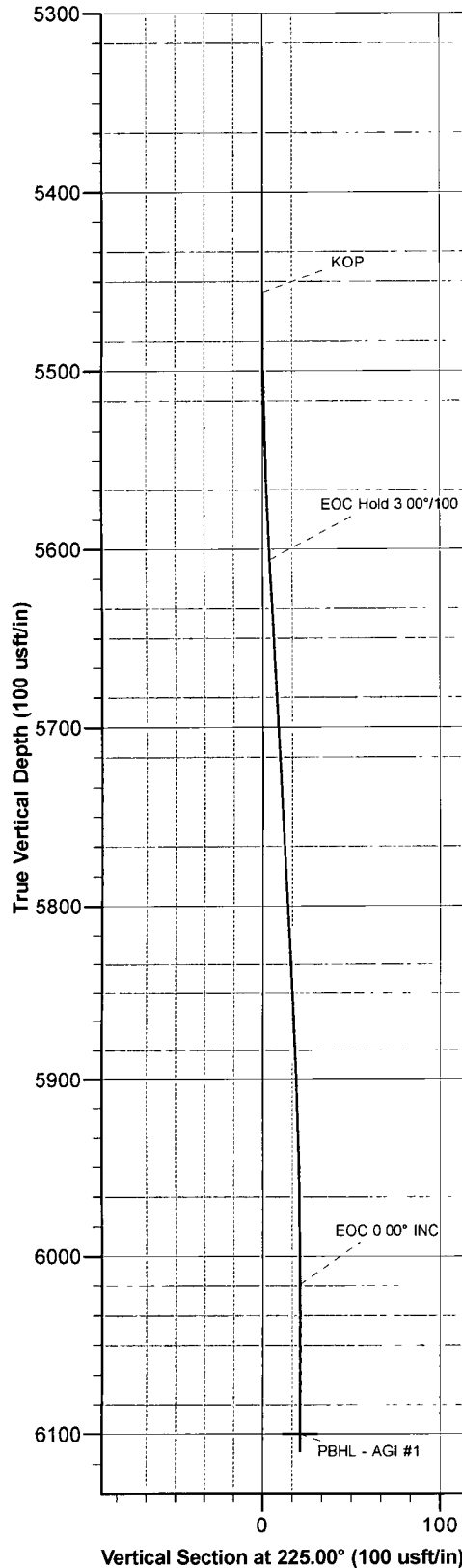


Scientific Drilling
Directional Drilling Operations



Azimuths to Grid North
True North -0 31°
Magnetic North 7 31°
Magnetic Field
Strength 48859 OsnT
Dip Angle 60 68°
Date 04/25/2012
Model IGRF2010

AGI #1
Lea County, NM (NAD83)
Northing: (Y) 660051.13
Easting: (X) 714794.90
Plan #2 - Sidetrack

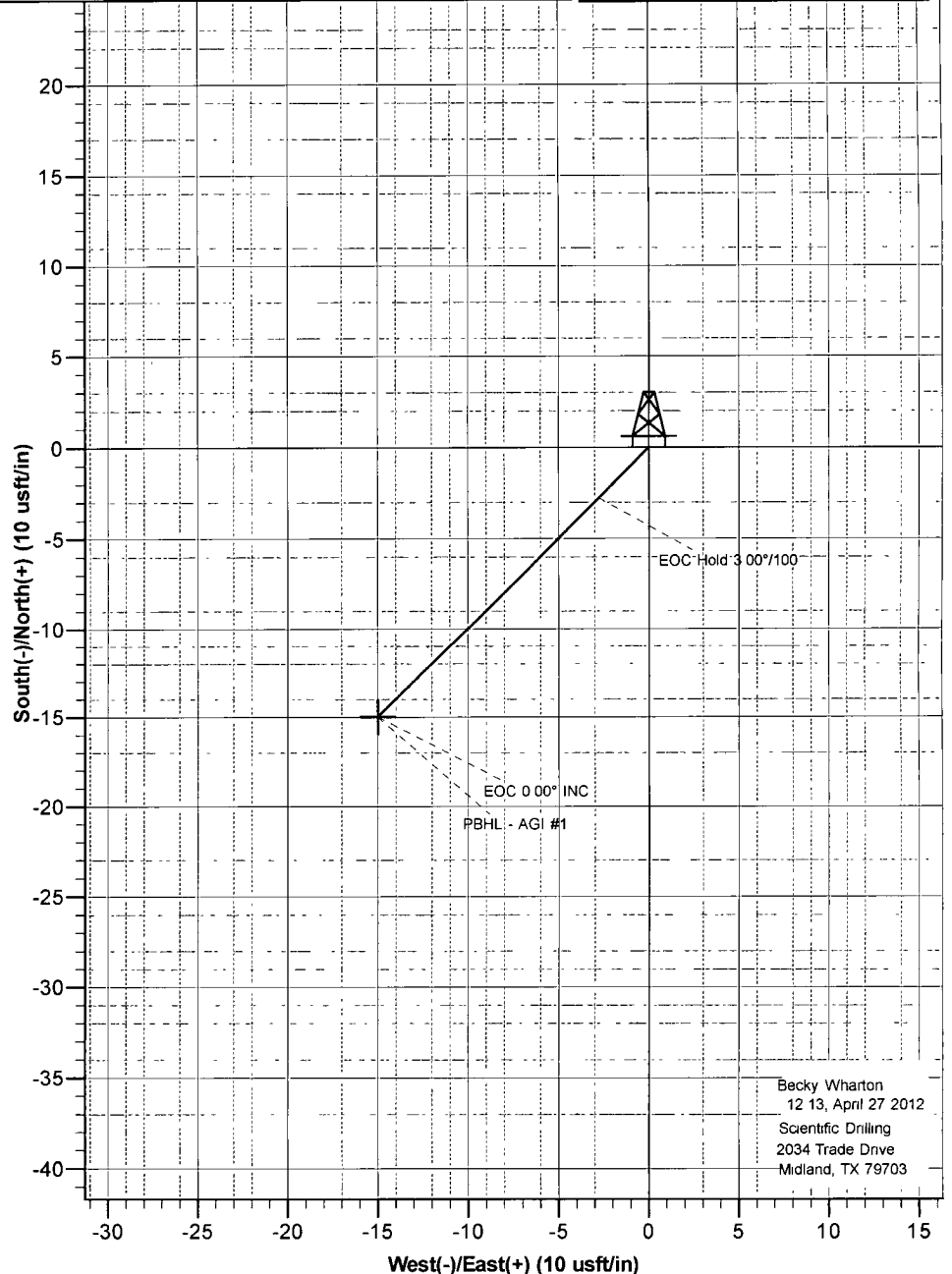


WELL DETAILS: AGI #1			
+N/-S +E/-W	Northing	Ground Level	0 00
0 00 0 00	660051 13	Easting	714794 90
		Latitude	37° 48' 47 651 N
		Longitude	103° 46' 7 448 W

SITE DETAILS: AGI #1		PROJECT DETAILS: Lea County, NM (NAD83)	
Site Centre Northing	660051 13	Geodetic System	US State Plane 1983
Easting	714794 90	Datum	North American Datum 1983
Positional Uncertainty	0 00	Ellipsoid	GRS 1980
Convergence	0 31	Zone	New Mexico Eastern Zone
Local North	Grid	System Datum	Mean Sea Level

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect
15456	00	0 00	0 00	5456 00	0 00	0 00	0 00	0 00	0 00
25606	00	3 00	225	005605 93	-2 78	-2 78	2 00	225 00	3 93
35856	00	3 00	225	005855 59	-12 03	-12 03	0 00	0 00	17 01
46016	58	0 00	0 00	6016 10	-15 00	-15 00	1 87	180 00	21 21
56100	48	0 00	0 00	6100 00	-15 00	-15 00	0 00	0 00	21 21

LEGEND	
—	Plan #2 - Sidetrack



Becky Wharton
12 13, April 27 2012
Scientific Drilling
2034 Trade Drive
Midland, TX 79703