

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires July 31, 2010**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.5. Lease Serial No
NMLC-068282b

6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well☐ Gas Well☐ Other8 Well Name and No
GOLDEN SPUR FED #1H

2 Name of Operator

MANZANO, LLC

9 API Well No.
30-015-39235

3a. Address

P O. BOX 2017, ROSWELL, NM 88202-2107

3b. Phone No (include area code)

575-623-1996

10 Field and Pool or Exploratory Area
WILDCAT-BONESPRINGS

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

SURF 330 FSL & 1980 FWL, SEC 25-T26S-R31E

11 Country or Parish, State
EDDY, NM

12 CHECK THE 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
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Request change 9 5/8" casing from 36# & 40# N-80 casing to 36# & 40# J-55 grade. Depths and cement remain the same.

Also, request change to add drilling a pilot hole to a total depth of 9400' and log the 8 3/4" hole with open hole logs. PU bit #3, 8 3/4" (HHC GX38CH or equivalent) and the recommended BHA. Drill out with fresh water or water down the brine and circulate through steel pits. Drill to the top of the Bone Springs at 8170' and add brine to increase mud weight. Drill to 9400' and TD vertical hole. Circulate hole and run gyro thru DP & DC's, then TOOH and log well with Schlumberger. After logs, TIH open ended with DP to 9400' and set 1000' of cement plug. TOOH with 20 stands, circulate and wait 6 hours before TIH to tag top of cement. Then set 2cd plug and TOOH 20 stands and circulate bottoms up. Lay down about 2000' of drill pipe and stand rest of pipe in derrick. PU bit and DC's and TIH to 4100'. After cement sets (18 hours), dress off top of cement plug to estimated KOP at 8100', circulate the hole clean before TOOH. Lay down 1400' of McVay drill pipe. Continue out of hole and stand back remaining drill pipe and drill collars. Lay down BHA and bit. PU new 8 3/4" bit (as recommended by Weatherford and Baker) and BHA as recommended by WFT. PU 1400' of rental drill pipe. TIH to KOP, tie gyro survey with MWD and orientate tools and start drilling curve. Drill curve as directed in directional plan. Run fluid caliper 100' before TD.

After drilling curve to horizontal, pump sweep and circulate out. Spot a slicker sweep in curve and TOOH. Determine if a reamer run is necessary to run the 7" casing. Stand back pipe in derrick until out of curve, then LD DP to DC's. TIH with DP in the derrick, then LD all DP & DC's.

Casing: Run 1000' 7", 26# P-110 BTC casing, XO joint to LT&C and balance of 7", 26#, P-110, LT&C casing to surface. Cement will remain the same as the original APD. Request change to "tie back" 300 feet into the 7", not 3000 feet.

See Attached email

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Paul Ragsdale

Title Engineer

Signature

Paul Ragsdale

Date 10/20/2011

RECEIVED

NOV 7 2011

NMOCD ARTESIA

Accepted for record
NMOCD
DEC 02 2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Date

NOV 1 2011

/s/ Chris Walls

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.

Title 18 USC Section 1001 and Title 43 USC 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)

Form 3160-5
(August 2007)UNITED STATES
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OMB No. 1004-0137
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GOLDEN SPUR FED #1H9. API Well No.
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WILDCAT-BONESPRINGS11. Country or Parish, State
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14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Paul Ragsdale

Title Engineer

Signature

Date 10/20/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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Instructions on page 2)

copy



Weatherford[®]

Drilling Services

Proposal

MANZANO LLC

GOLDEN SPUR FED #1H

LEA CO, NM

WELL FILE: **PLAN 3**

OCTOBER 25, 2011

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com

Manzano, LLC
Golden Spur Fed 1H
Lea Co., New Mexico

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.79	0.00	0.00	0.00	0.00	0.00	0.00	
2	8138.41	0.00	359.79	8138.41	0.00	0.00	0.00	0.00	0.00	
3	9491.79	90.00	359.79	9000.00	861.58	-3.18	6.65	359.79	861.59	
4	13326.49	90.00	359.79	9000.00	4696.26	-17.32	0.00	0.00	4696.29	PBHL

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL	9000.00	4696.26	-17.32	371534.50	727153.90	32°01'12.033N	103°44'01.614W

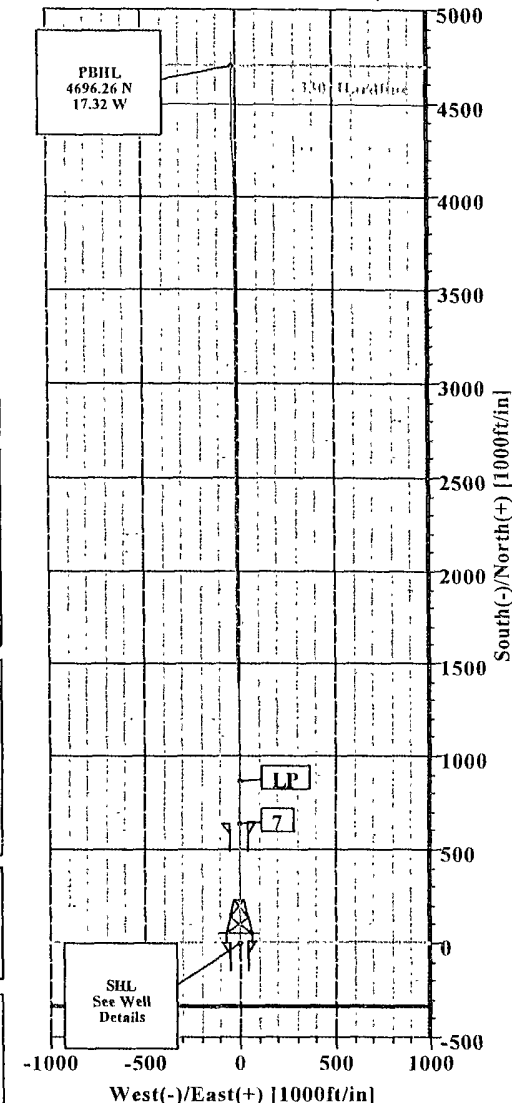
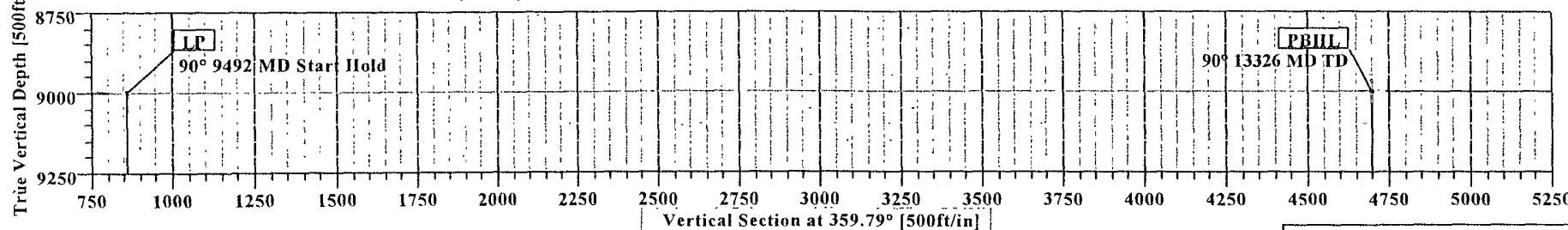
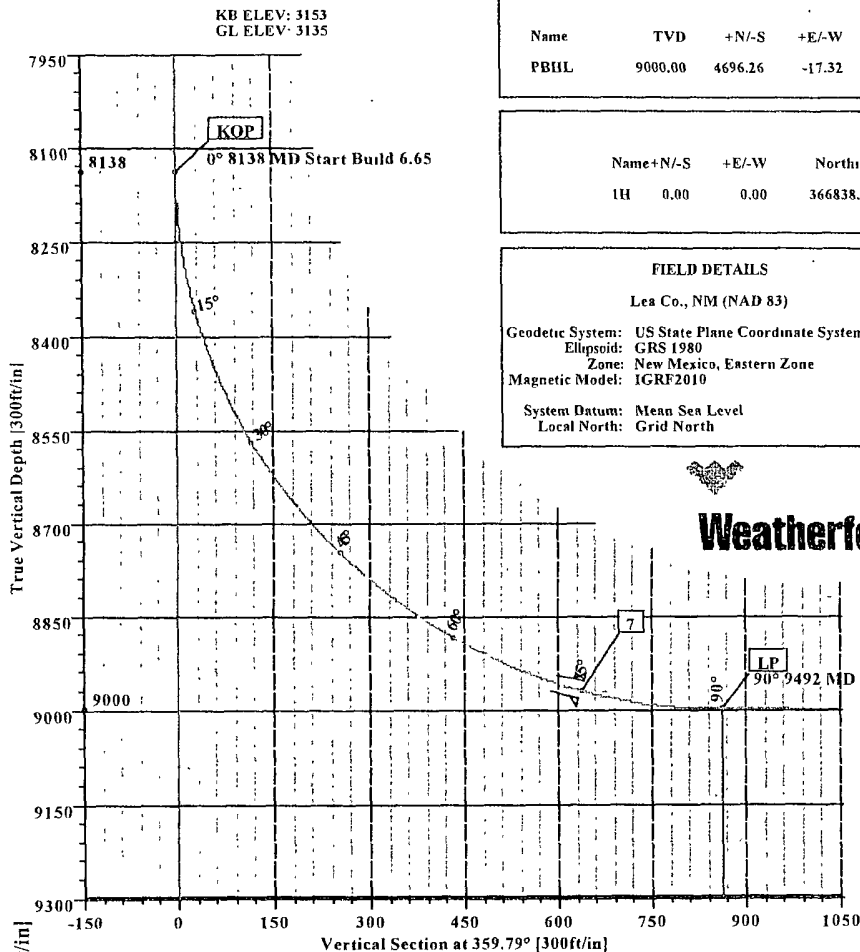
WELL DETAILS						
Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
1H 0.00	0.00	366838.24	727171.22	32°00'25.559N	103°44'01.716W	N/A

FIELD DETAILS
 Lea Co., NM (NAD 83)
 Geodetic System: US State Plane Coordinate System 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico, Eastern Zone
 Magnetic Model: IGRF2010
 System Datum: Mean Sea Level
 Local North: Grid North

SITE DETAILS
 Golden Spur Fed 1H
 Site Centre Northing: 366838.24
 Easting: 727171.22
 Ground Level: 3135.00
 Positional Uncertainty: 0.00
 Convergence: 0.32

LEGEND
 1H (pilot)
 Lateral
 Plan #3

CASING DETAILS				
No.	TVD	MD	Name	Size
1	4400.00	4400.00	Csg 1	9.625
2	8970.64	9266.23	7	7.000



Plan, Plan #3 (1H/Lateral)
 Created By: Russell W. Joyner Date: 10/25/2011

Weatherford

Page: 1



Company: Manzano LLC
 Field: Lea Co., NM (NAD 83)
 Site: Golden Spur Fed 1H
 Well: 1H
 Wellpath: Lateral

Date: 10/25/2011 Time: 10:55:35 Page: 2
 Co-ordinate(NE) Reference: Well: 1H, Grid North
 Vertical (TVD) Reference: SITE 3153.0
 Section (VS) Reference: Well (0.00N,0.00E,359.79Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9500.00	90.00	359.79	9000.00	869.79	-3.21	869.80	0.00	367708.04	727168.01	
9600.00	90.00	359.79	9000.00	969.79	-3.58	969.80	0.00	367808.03	727167.64	
9700.00	90.00	359.79	9000.00	1069.79	-3.95	1069.80	0.00	367908.03	727167.28	
9800.00	90.00	359.79	9000.00	1169.79	-4.31	1169.80	0.00	368008.03	727166.91	
9900.00	90.00	359.79	9000.00	1269.79	-4.68	1269.80	0.00	368108.03	727166.54	
10000.00	90.00	359.79	9000.00	1369.79	-5.05	1369.80	0.00	368208.03	727166.17	
10100.00	90.00	359.79	9000.00	1469.79	-5.42	1469.80	0.00	368308.03	727165.80	
10200.00	90.00	359.79	9000.00	1569.79	-5.79	1569.80	0.00	368408.03	727165.43	
10300.00	90.00	359.79	9000.00	1669.79	-6.16	1669.80	0.00	368508.03	727165.06	
10400.00	90.00	359.79	9000.00	1769.79	-6.53	1769.80	0.00	368608.03	727164.69	
10500.00	90.00	359.79	9000.00	1869.79	-6.90	1869.80	0.00	368708.03	727164.32	
10600.00	90.00	359.79	9000.00	1969.79	-7.27	1969.80	0.00	368808.03	727163.96	
10700.00	90.00	359.79	9000.00	2069.79	-7.63	2069.80	0.00	368908.03	727163.59	
10800.00	90.00	359.79	9000.00	2169.79	-8.00	2169.80	0.00	369008.03	727163.22	
10900.00	90.00	359.79	9000.00	2269.79	-8.37	2269.80	0.00	369108.03	727162.85	
11000.00	90.00	359.79	9000.00	2369.79	-8.74	2369.80	0.00	369208.02	727162.48	
11100.00	90.00	359.79	9000.00	2469.79	-9.11	2469.80	0.00	369308.02	727162.11	
11200.00	90.00	359.79	9000.00	2569.79	-9.48	2569.80	0.00	369408.02	727161.74	
11300.00	90.00	359.79	9000.00	2669.79	-9.85	2669.80	0.00	369508.02	727161.37	
11400.00	90.00	359.79	9000.00	2769.79	-10.22	2769.80	0.00	369608.02	727161.01	
11500.00	90.00	359.79	9000.00	2869.79	-10.58	2869.80	0.00	369708.02	727160.64	
11600.00	90.00	359.79	9000.00	2969.79	-10.95	2969.80	0.00	369808.02	727160.27	
11700.00	90.00	359.79	9000.00	3069.79	-11.32	3069.80	0.00	369908.02	727159.90	
11800.00	90.00	359.79	9000.00	3169.79	-11.69	3169.80	0.00	370008.02	727159.53	
11900.00	90.00	359.79	9000.00	3269.79	-12.06	3269.80	0.00	370108.02	727159.16	
12000.00	90.00	359.79	9000.00	3369.79	-12.43	3369.80	0.00	370208.02	727158.79	
12100.00	90.00	359.79	9000.00	3469.79	-12.80	3469.80	0.00	370308.02	727158.42	
12200.00	90.00	359.79	9000.00	3569.79	-13.17	3569.80	0.00	370408.02	727158.05	
12300.00	90.00	359.79	9000.00	3669.79	-13.54	3669.80	0.00	370508.02	727157.69	
12400.00	90.00	359.79	9000.00	3769.79	-13.90	3769.80	0.00	370608.02	727157.32	
12500.00	90.00	359.79	9000.00	3869.79	-14.27	3869.80	0.00	370708.01	727156.95	
12600.00	90.00	359.79	9000.00	3969.79	-14.64	3969.80	0.00	370808.01	727156.58	
12700.00	90.00	359.79	9000.00	4069.79	-15.01	4069.80	0.00	370908.01	727156.21	
12800.00	90.00	359.79	9000.00	4169.79	-15.38	4169.80	0.00	371008.01	727155.84	
12900.00	90.00	359.79	9000.00	4269.79	-15.75	4269.80	0.00	371108.01	727155.47	
13000.00	90.00	359.79	9000.00	4369.79	-16.12	4369.80	0.00	371208.01	727155.10	
13100.00	90.00	359.79	9000.00	4469.79	-16.49	4469.80	0.00	371308.01	727154.74	
13200.00	90.00	359.79	9000.00	4569.79	-16.85	4569.80	0.00	371408.01	727154.37	
13300.00	90.00	359.79	9000.00	4669.79	-17.22	4669.80	0.00	371508.01	727154.00	
13326.49	90.00	359.79	9000.00	4696.26	-17.32	4696.29	0.00	371534.50	727153.90	PBHL

Targets

Name	Description Dip.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec			Longitude Deg Min Sec		
PBHL		9000.00	4696.26	-17.32	371534.50	727153.90	32	1	12.033 N	103	44	1.614 W



Company:	Manzano LLC	Date:	10/25/2011	Time:	10:55:35	Page:	3
Field:	Lea Co., NM (NAD 83)	Co-ordinate(NE) Reference:	Well: 1H, Grid North				
Site:	Golden Spur Fed 1H	Vertical (TVD) Reference:	SITE 3153.0				
Well:	1H	Section (VS) Reference:	Well (0.00N,0.00E,359.79Azi)				
Wellpath:	Lateral	Survey Calculation Method:	Minimum Curvature				Db: Sybase

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
4400.00	4400.00	9.625	9.625	Csg 1
9266.23	8970.64	7.000	7.000	7

Annotation

MD ft	TVD ft	
8138.41	8138.41	KOP
9491.79	9000.00	LP
13326.49	9000.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Walls, Christopher

From: Paul Ragsdale <pragsdale@qwestoffice.net>
Sent: Tuesday, November 01, 2011 11:16 AM
To: Walls, Christopher
Subject: Golden Spur Pilot Hole

Chris,

To clarify our sundry notice for drilling a pilot hole on the Golden Spur we are furnishing the following information:

13 3/8" surface pipe – our supplier has notified us that the 13 3/8" will be 48# J-55 ST & C instead of H-40.

9 5/8" intermediate string – this will be a mixed string with 3 joints of 40# pipe on the top of the string and 3 joints of 40# pipe on the bottom of the string. The remainder of the pipe will be 36# pipe. All pipe is J/K 55 LT & C.

8 3/4" hole – we will plug back with 500 sacks of Class H w/1% CD32 and .1% R3 at 1.18 cu.ft./sk for the first plug. After waiting 6 hours, the top of the plug will be tagged and then a 2cd plug will be set with 300 sacks of Class H w/1% CD32 and .1% R3 at 1.18 cu.ft./sk.

We will wait for 12 hours and then dress off the plug and kick off for the horizontal hole.

Let me know if you need anything else,
Paul