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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

HOBBS OCD
AUG 29 2018
RECEIVED

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	[2] Pool Code	[3] Pool Name
30-025-38016	59847	TOWNSEND; PERMO-UPPER PENN

[4] Property Code	[5] Property Name	[6] Well Number
320486	DOOR BIW STATE	001Y

[7] OGRID No.	[8] Operator Name	[9] Elevation
372233	MAMMOTH EXPLORATION LLC	3965 GL

[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
I	01	16S	35E		2310	S	610	E	LEA

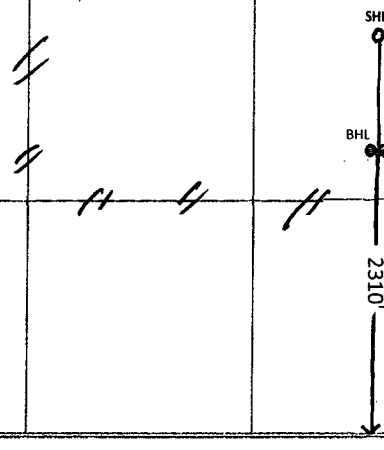
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	01	16S	35E		2310	S	660	E	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
80			

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.

[16]



[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 08/27/2018
Date

GRIFFIN HAYS
Printed Name

griffin@mammothexp.com
E-mail Address

[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.

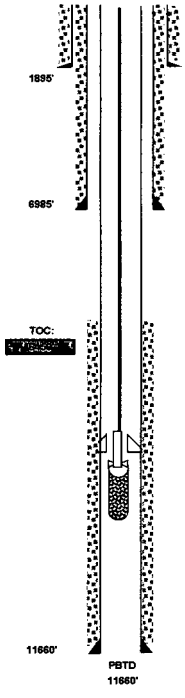
Date of Survey

Signature and Seal of Professional Surveyor.

Certificate Number

Mammoth Exploraton, LLC

Door BIW State #1Y · Current							
Location: 2310' FSL & 610' FEL	Field: Big Dog			Formation:	Strawn		
County: Lea New Mexico	Sec 1, T 16S, R 35E						
API# 30-025-38016		Size, in	Wgt, lb/ft	Grade	Hole Size	Depth	Sx. Cmt.
GL: 3966	Surf. Csg:	13 3/8"	54	H-40	17 1/2"	1895'	1500
KB: 3986	Int. Csg:	9-5/8"	36	[illegible]	12-1/4"	6985'	3090
Spud: 7/22/2006	Csg:	5 1/2"	17#	P-110	8 3/4"	11660'	980
PBTD: 11660'							

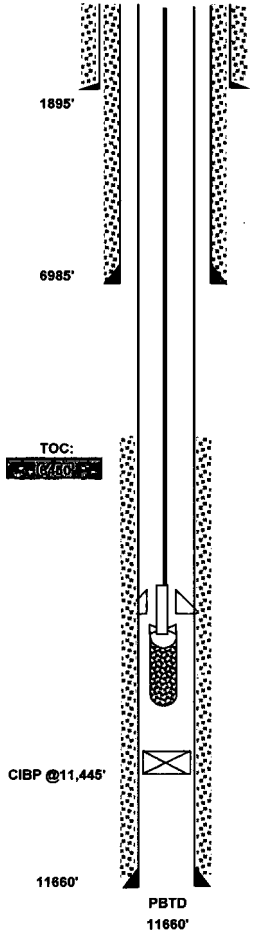


Tubing:								
OD 2 7/8"			Thread		WT 6.5#		Grade L80	
OD			Thread		WT		Grade	
Rods:	No.	Length	Type	Pump: AYP-4217				
1"		0	Norris 97	Type: RHBC				
1"		0		Size 2.5" x 1 1/4" x 24' w/ 5' spray metal plunger				
7/8"	176	4400	Norris 97	Barrel Steel nicarb				
3/4"X		0		Spaced @ 11458'				
3/4"	260	6500	Norris 97	Pumping Unit Rotaflex 1150-320-500-366				
1"		0	Norris 97	Stroke: 366	Sheave:		Tbg Spool:	
K-Bar	12	300		SPM:	Belts:			
Subs:				Motor:		Size or HP		

Tubing & BHA				TD		PBTD		KB 20
Joints	Description			Length		Set @		Formation:
348	2 7/8" L-80 Tubing			11,344	21	11,364	21	Strawn
1	5" TAC			2	50	11,366	71	
4	2 7/8" L-80 Tubing			130	65	11,496	36	
1	MSN			1	75	11,497	11	Perforations:
1	2 7/8" Perf Sub			6	48	11,503	59	11,518' - 11,536'
1	Bull Plug			1	00	11,504	59	
					50	11,504	09	
					00	11,504	09	

Mammoth Exploraton, LLC

Door BIW State #1Y - PROPOSED								
Location: 2310' FSL & 610' FEL		Field: Big Dog			Formation:	Strawn		
County: Lea	New Mexico	Sec 1, T 16S, R 35E						
API# 30-025-38016			Size, in	Wgt, lb/ft	Grade	Hole Size	Depth	Sx. Cmt.
GL:	3966	Surf. Csg:	13 3/8"	54	H-40	17 1/2"	1895'	1500
KB:	3986	Int. Csg:	9-5/8"	36	[illegible]	12-1/4"	6985'	3090
Spud:	7/22/2006	Csg:	5 1/2"	17#	P-110	8 3/4"	11660'	980
PBTD:	11660'							



Tubing:								
OD	2 7/8"		Thread		WT	6.5#	Grade	L80
OD			Thread		WT		Grade	

Rods:	No.	Length	Type	Pump:	AYP-4217		
1"		0	Norris 97	Type:	RHBC		
1"		0		Size	2.5" x 1 1/4" x 24' w/ 5' spray metal plunger		
7/8"	176	4000	Norris 97	Barrel	Steel nicarb		
3/4"X		0		Spaced @	11458'		
3/4"	260	6125	Norris 97	Pumping Unit	Rotaflex 1150-320-500-366		
1"		0	Norris 97	Stroke:	366	Sheave:	Tbg Spool:
K-Bar	12	250		SPM:		Belts:	
Subs:				Motor:		Size or HP	

Tubing & BHA					TD		PBTD		KB 20
Joints	Description				Length		Set @		Formation:
314	2 7/8" L-80 Tubing				10,214	21	10,234	21	Permo-Penn
1	5" TAC				2	50	10,236	71	
4	2 7/8" L-80 Tubing				130	65	10,366	36	
1	MSN				1	75	10,367	11	Perforations:
1	2 7/8" Perf Sub				6	48	10,373	59	10,360' - 10,374'
1	Bull Plug				1	00	10,374	59	
						50	10,374	09	
						00	10,374	09	

Door BIW State #1Y

Townsend Field

OBJECTIVE:

Test & Recompletion to the Permo-Penn

WELL DATA:

API No. 30-025-38016
Legal Location: 2310' FSL & 610' FEL, Sec. 1, T 16S, R 35, Lea County New Mexico
Elevation: 3966' GL. 3986.5' KB
Surface Casing: 13 3/8" 54# H-40 @ 1895'. Cemented w/ 1500 sxs. Circ.
Intermediate Casing: 9 5/8" 36# & 40# JE, HCK55 & HCP110 @ 6985'. Cmtd w/ 3090 sxs. Circ.
Production Casing: 5 1/2" 17# L-80 & P-110 @ 11660'. Cmtd w/ 980 sks. TOC @ 6450'.
TD: 11660'
PBTD: 11660'
Current Perforations: Strawn perfs from 11,518' – 11,536'.

Volumetric Capacities:

- Tubing = **.00579** bbl/ft
- Annular = **.0152** bbl/ft
- Casing = **.0232** bbl/ft

Well Configuration:

1. (348 jts) 2 7/8" L-80 tubing, (1) TAC, (4 jts) 2 7/8" L-80 tubing, (1) SN, (1) Sand Screen w/ BP – **(352 total jts of tubing)**
2. (176) 7/8" rods, (260) ¾" rods, (12) 1 ½" sinker bars, & (1) 2 1/2'" x 1 ¼" x 24' – 5' pump

PROCEDURE:

1. MIRUPU. Have pipe racks moved over. Set (1) 500 bbl frac tank for flush/flowback.
2. POOH with rods & pump. Visually inspect rods and stand back. Send pump & TAC in for R&R.
3. ND WH, NU BOP. Unset anchor and POOH standing back & visually inspecting tubing.
4. RU WL, & RIH w/ 5 ½" CIBP and set @ 11,445'. Dump bail 20' of cement (3 sxs).
5. Load & test casing & plug to 2500#s.
6. RIH & perforate Permo-Penn @ 3spf from 10,360'-10374'.
7. PU & hydrotest tubing to 8500#s while RIH w/ treating packer.

8. MIRU CUDD Acid, open bypass on packer & spot acid to within a couple bbls of perfs. Close bypass and pump 2500 gals of 15% HCL double inhibited NEFE acid @ 8-10 bpm dropping 65 ball sealers evenly spaced. Record ISIP, 5, 10, & 15 min SIPs. RDMO CUDD.
9. Flow well back, rig up swab tools, and commence swab testing. Record FLs & cuts and report to the office.
10. POOH, LD packer. PU & MU MA jt, perf sub, SN, & TAC, and RIH w/ tubing to set depth. Space out to have perf sub just below bottom perf.
11. PU rods & pump an RIH as per design. Make sure to card the first several rods going in and then check random rods every 1000' or so.
12. Space out, hang well on and RTP.
13. Commence testing.

CONTACTS:

Rick Petersen (Engineer) 713-927-1377

Tommy Beckwith (Superintendent) 432-202-4978

Jeremy Wagner (Foreman) 432-210-3339