

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

Form C-101
Revised July 18, 2013

OCD - HOBBS
04/27/2017
RECEIVED

Energy Minerals and Natural Resources

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

AMENDED REPORT

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

¹ Operator Name and Address MANZANO LLC PO BOX 2107 ROSWELL, NM 88202107		² OGRID Number 231429
		³ API Number 30-041-20961
⁴ Property Code 317686	⁵ Property Name OLD HIPPIE SWD	⁶ Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
K	32	06S	34E		2035	S	2122	W	ROOSEVELT

^a Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

⁹ Pool Name SWD; Devonian, Silurian, Montoya	¹⁰ Pool Code 97803
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Additional Well Information

¹¹ Work Type E	¹² Well Type S	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 4336
¹⁶ Multiple S	¹⁷ Proposed Depth 8460'	¹⁸ Formation DEVONIAN	¹⁹ Contractor NORTON	²⁰ Spud Date 05/15/2017
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water N/A

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

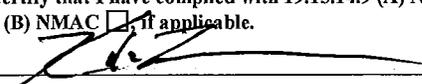
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17.5	13.375	48# J-55	40	25sx	Surface
Intermediate	12.25	8.625	24 & 32# J-55	2530	1145sx	Surface
Production	7.875	5.5-New	17# N80 & P-110	8080	1200sx	Surface

Casing/Cement Program: Additional Comments

Re-entry: Surface/Intermediate are existing- Set cement plug from 8700ft to 8460 per SWD-1668. Run new 5.5 N80 & P-110 17# from 8080 to surface & cement

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC if applicable.
Signature: 

Printed name: Kale Jackson
Title: Engineer
E-mail Address: kale@manzanoenergy.com
Date: 4/27/17
Phone: 575-623-1996

OIL CONSERVATION DIVISION	
Approved By: 	
Title: Petroleum Engineer	
Approved Date: 04/27/2017	Expiration Date: 04/27/2019
SEE COA	
Conditions of Approval Attached	

MANZANO - LLC
WELLBORE Diagram (Existing as of 7/27/14)

OLD HIPPIE#1

API #30-041-20961
 2035' FSL & 2122' FWL
 SEC 32-T6S-R34E
 ROOSEVELT, NEW MEXICO
 GL Elevation: 4336'
 KB Elevation:

Rustler @ 1852'

San Andres @ 3208'

8 5/8" 24 & 32#/ft J55 @ 2530'
 Cement w/1145sx - Circ 110sx

7 7/8" hole f/3469'-9503'

Abo @ 6630'

Wolfcamp @ 7400'

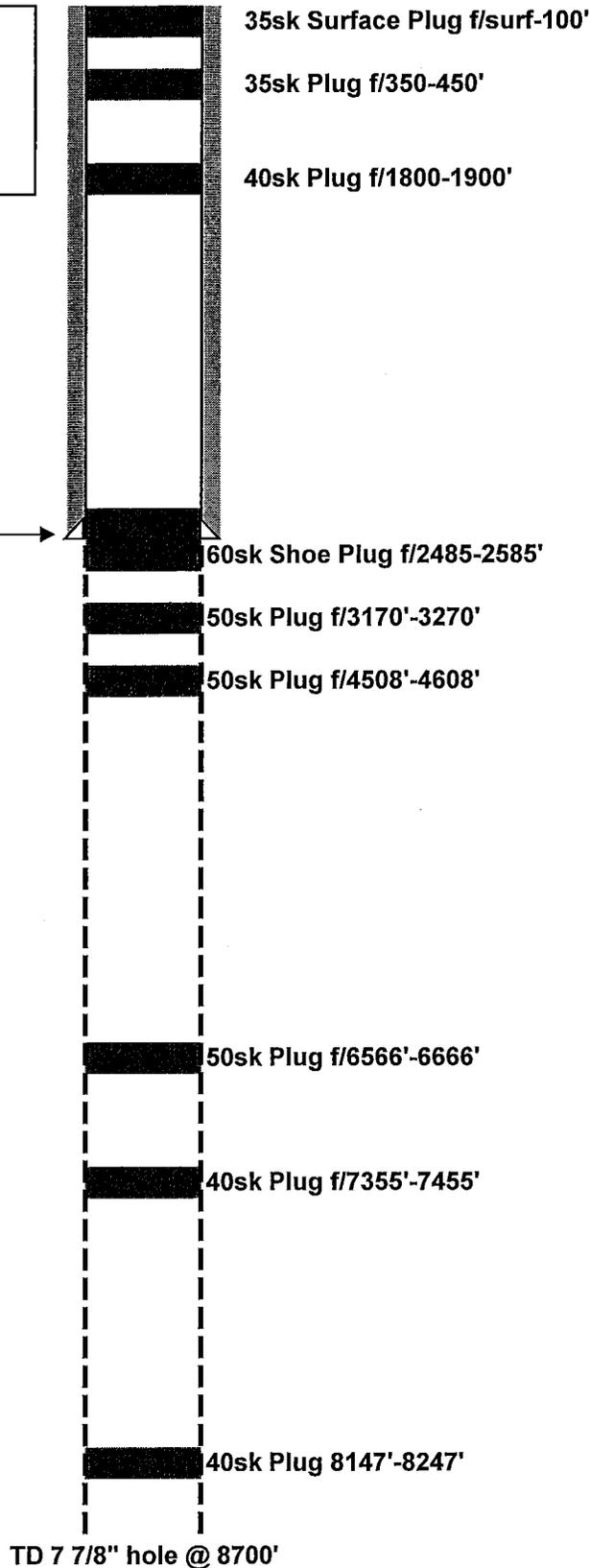
Cisco @ 7810'

Mississippian @ 7886'

Woodford @ 7974'

Siluro-Devonian @ 8078'

Granite Wash @ 8644'



MANZANO - LLC
WELLBORE Diagram (Proposed Injection Wellbore)

OLD HIPPIE#1

API #30-041-20961
 2035' FSL & 2122' FWL
 SEC 32-T6S-R34E
 ROOSEVELT, NEW MEXICO
 GL Elevation: 4336'
 KB Elevation:

Tubulars			
	Size	Grade - Wt	Depth Set (RKB)
Surf.	13 3/8"	J-55 - 32#/ft	404'
Surf.	8 5/8"	J-55 - 24#/ft	2380'
Surf.	8 5/8"	J-55 - 32#/ft	2530'
Prod.	5 1/2"	N80 & P-110 - #17.0/ft	8080'
Tbg	4"	N80 11#/ft FJ	8050'

San Andres @ 3208'
 8 5/8" 24 & 32#/ft J55 @ 2530'
 Cement w/1145sx - Circ 110sx

Abo @ 6630'

Wolfcamp @ 7400'

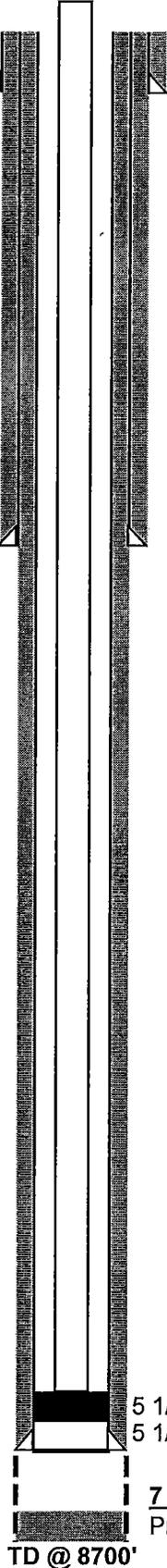
Cisco @ 7810'

Mississippian @ 7886'

Woodford @

Siluro-Devonian @ 8216'

Granite Wash @ 8644'



4" 11#/FT FJ lined tubing @ 8050'
 5 1/2" Nickel Plated X1 Arrowset Injection Packer @ 8050'
 5 1/2" 17# N80 & P110' @ 8080'
 Cement w/1200sx - Circulate to Surface
7 7/8" OPEN HOLE COMPLETION f/8080'-8460'
 Proposed cement plug from 8700' - 8460 per SWD-1668

TD @ 8700'