

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	2142	T. Canyon	10839
T. Salt		T. Strawn	11310
B. Salt		T. Atoka	
T. Yates	3040	T. Miss	
T. 7 Rivers	3164	T. Devonian	
T. Queen	3537	T. Silurian	
T. Grayburg	4166	T. Montoya	
T. San Andres	4432	T. Simpson	
T. Glorieta	5902	T. McKee	
T. Paddock		T. Ellenburger	
T. Blinbry		T. Gr. Wash	
T. Tubb	7330	T. Delaware Sand	
T. Drinkard		T. Bone Springs	
T. Abo	8090	T.	
T. Wolfcamp	9540	T.	
T. Penn	10632	T.	
T. Cisco (Bough C)		T.	
		T. Ojo Alamo	T. Penn A"
		T. Kirtland	T. Penn. "B"
		T. Fruitland	T. Penn. "C"
		T. Pictured Cliffs	T. Penn. "D"
		T. Cliff House	T. Leadville
		T. Menefee	T. Madison
		T. Point Lookout	T. Elbert
		T. Mancos	T. McCracken
		T. Gallup	T. Ignacio Otzte
		Base Greenhorn	T. Granite
		T. Dakota	
		T. Morrison	
		T. Todilto	
		T. Entrada	
		T. Wingate	
		T. Chinle	
		T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from	10,900'	to	11,112'
No. 2, from	9987'	to	10,312

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....325.....to.....450.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

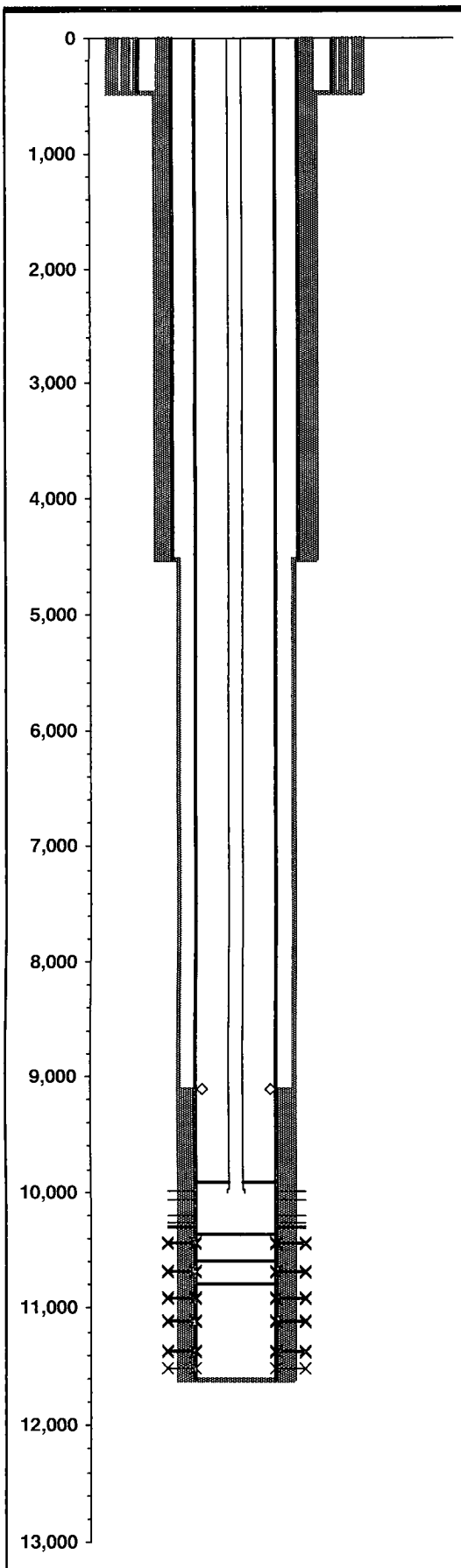
Wellbore Schematic (From Surface to TD)

Printed: 5/16/2012

Harton State # 2

EER #: 5049.002.01

API # 3002540161



990 FNL & 990 FEL	GL Elev:	4,005.00
Sec,Blk,Sur(Lbr,Lge,Sur)or(Sec,Twn,Rng): 7, 13S 36E, N.M P.M	Fill Depth	
County, State: Lea, NM	PBTD:	10,352.00
Aux ID:	TD:	11,599.00
KB = 19.2; DF = ; All Depths Corr To: KB	BOP.	

Hole Size

Diameter	Top At	Btm At	Date Drilled
17.5000	0 00	472.00	6/29/2011

Big Dog Rig 20 spudded 00:30 hrs, 6-28-11.

11.0000	472.00	4,510.00	7/5/2011
7.8750	4,510.00	11,599.00	7/21/2011

TD 00:00 hrs, 7-21-11. Rel Rig 22:00 hrs, 7-26-11.

Surface Casing

Date Ran: 6/29/2011

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	11	13.3750	61.00	J55	452.58	19.20	471.78

(11) Jts 13-3/8", 61#, J-55, ST&C 8R, Surface Casing.

Guide Shoe	1	13.3750			1.00	471.78	472.78
------------	---	---------	--	--	------	--------	--------

Texas Pattern Guide Shoe. (3) Bow Spring Centralizers at: 426', 291', 170'

Intermediate Casing

Date Ran: 7/5/2011

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	99	8.6250	32.00	J55	4,443.09	19.20	4,462.29

(99) Jts, 8-5/8", 32#, J-55, BTC, Intermediate Casing

Float Collar	1	8.6250		1.50	4,462.29	4,463.79
--------------	---	--------	--	------	----------	----------

Float Collar.

Casing	1	8.6250	32.00	J55	45.21	4,463.79	4,509.00
--------	---	--------	-------	-----	-------	----------	----------

(1) Jt, 8-5/8", 32#, J-55, BTC, Intermediate Casing, Shoe Jt.

Guide Shoe	1	8.6250			1.00	4,509.00	4,510 00
------------	---	--------	--	--	------	----------	----------

Guide Shoe. (6) Bow Spring Centralizers at 4483', 4327', 4192', 4057', 3922', 3788'.

Production Casing String 1

Date Ran: 7/24/2011

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	256	5.5000	17.00	N80	11,532.63	19.20	11,551.83

(256) Jts, 5-1/2", 17#, N-80, LT&C 8R, Production Casing.

Float Collar	1	5 5000			1 00	11,551.83	11,552.83
--------------	---	--------	--	--	------	-----------	-----------

Float Collar

Casing	1	5.5000	17.00	N80	45.17	11,552.83	11,598.00
--------	---	--------	-------	-----	-------	-----------	-----------

(1) Jt, 5-1/2", 17#, N-80, LT&C 8R, Production Casing Shoe Jt.

Guide Shoe	1	5.5000			1 00	11,598.00	11,599.00
------------	---	--------	--	--	------	-----------	-----------

Guide Shoe. (30) Bow Spring Centralizers at: 11575', 327', 101', 10875', 650', 424', 198', 9972', 747', 521', 295', 070', 8844', 618', 392', 167', 7941', 715', 489', 264', 038', 6812', 586', 360', 135', 5909', 683', 458', 232', 5006'.

Cement

# Sx	Class	Weight	I D	O D	Top At	Btm At	TOC Per
230	Poz:C	13.50	13.375	17.500	0.00	280.00	Circ

13-3/8" Surface Csg. (SLB) Lead: 230 sx Poz.C:Gel, 15/85/4 Gel + 4pps Kolite + 2% CaCl (13.5 ppg, 1.71 cu ft/sk), circulated 14 Bbl (46 sx) Cmt to surface. .

200	C	14.80	13.375	17.500	280.00	473.00	Calc
-----	---	-------	--------	--------	--------	--------	------

13-3/8" Surface Csg. (SLB) Tail: 200 sx Cl 'C' + 1% CaCl (14.8 ppg, 1.34 cu ft/sk). Bumped plug to 200 psi, float held.

1230	Poz:C	12.60	8.625	11.000	0 00	4,065.00	Circ
------	-------	-------	-------	--------	------	----------	------

8-5/8" Intermediate Csg. (SLB) Lead: 1,230 sx Poz:C:Gel, 35/65/6 Gel + 5% Kolite + 0.2% D46 + 1/8 pps D130 (12.6 ppg, 2.06 cu ft/sk), circulated 2 Bbl (5 sx) Cmt to surface.

200	C	14.80	8.625	11.000	4,065.00	4,510.00	Calc
-----	---	-------	-------	--------	----------	----------	------

8-5/8" Intermediate Csg. (SLB) Tail: 200 sx Cl 'C' + 1/4% D201 (14.8 ppg, 1.33 cu ft/sk).
Bumped plug to 1700 psi, float held.

700	Poz: H	12.40	5.500	7.875	9,110.00	10,000.00	CBL
-----	--------	-------	-------	-------	----------	-----------	-----

5-1/2" Production Csg. (SLB) Lead: 700 sx Poz:H:Gel, 35/65/8 Gel + 5% salt + 0.2% D46 + 1/8 pps D130 + 1/5% D112 + 0.2% D800 + 3 pps Kolite (12.4 ppg, 2.24 cu ft/sk).

Wellbore Schematic (From Surface to TD)

Printed: 5/16/2012

Harton State # 2

EER #: 5049.002.01

API # 3002540161

Cement

# Sx	Class	Weight	I D	O D	Top At	Btm At	TOC Per
956	Poz:H	14.40	5.500	7.875	10,000.00	11,599.00	Est

5-1/2" Production Csg. (SLB) Tail: 730 sx Poz:H:Gel, 50/50/2 Gel + 5% salt + 0.2% D46 + 0.2% D167 + 0.2% D800 + 0.1% D65 (14.4 ppg, 1.31 cu ft/sk). Bumped plug to 1500 psi, Floats held.

Zone and Perfs

Wolfcamp

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
9,987.00	9,995.00	Wolfcamp	A	3/15/2012		2	16
acid 2300 gal 20% HCL- swab load 5% oil							
10,066.00	10,070.00	Wolfcamp	A	3/12/2012		2	8
acid 2800 gal 20% HCL-swab load-good oil							
10,197.00	10,204.00	Wolfcamp	A	3/9/2012		2	14
acid 500 gal 20% HCL-swab load-trace oil							
10,256.00	10,264.00	Wolfcamp	A	3/5/2012		2	16
acid 500 gal 15% HCL-swab load-trace oil							
10,298.00	10,312.00	Wolfcamp	A	2/29/2012		4	28
acid 3000gal 15% HCL-swab load-trace oil							
10,437.00	10,441.00	Wolfcamp	PA	2/27/2012	2/29/2012	2	8
acid 800 gal 15% HCL-swab load 100 % water							
10,680.00	10,686.00	Cisco	PA	2/18/2012	2/27/2012	2	12
acid 2000 gal. 15% HCL-swab load- No Oil							
10,900.00	10,910.00	Cisco (Penn)	PA	12/16/2011	2/21/2012	4	40
acid 500 g al 15% HCL- 3bo-3mcf-165 bw							
11,092.00	11,112.00	Cisco (Penn)	PA	10/31/2011	2/21/2012	4	80
Tight.							
11,358.00	11,379.00	Cisco (Penn)	PA	9/23/2011	10/28/2011	4	80
500 gal 15% HCL. Tight, Dry, No Gas, Trace Oil.							
11,510.00	11,515.00	Cisco (Penn)	PA	8/25/2011	10/28/2011	4	20
Tight, unable to get into w/ 20% HCL.							

Wellbore Plugs and Junk

Top	Bottom	Type	Diameter	Solid	Date
10,347.00	10,348.00	Junk	5.500	Yes	3/5/2012
Drilled CIBP at 10,000' and pushed to 10,347'. Good indication Csg parted in 5-1/2" collar at 10,070'. <i>ic. 298</i>					
10,352.00	10,373.00	CIBP	5.500	Yes	2/29/2012
CIBP set at 10,372' w/ 20' Cmt Cap. New PBTD.					
10,580.00	10,601.00	CIBP	5.500	Yes	2/27/2012
CIBP set at 10,600' w/ 20' Cmt Cap.					
10,780.00	10,801.00	CIBP	5.500	Yes	2/21/2012
CIBP set at 10,800' w/ 20' Cmt Cap.					

Tubing String 1

Date Ran: 11/22/2011

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tbg Sect 1	302	2.8750	6.40	N80	9,885.65	19.20	9,904.85
Tbg Anchor	1	5.5000			2.70	9,904.85	9,907.55
Tbg Sect 1	2	2.8750	6.50	N80	65.50	9,907.55	9,973.05
Stg Nipple	1	2.8750		N80	0.47	9,973.05	9,973.52
Tbg Sect 2	1	2.8750	6.40	N80	4.10	9,973.52	9,977.62
NEW MECH SEATING NIPPLE WITH 1.25 X 20 GA							
Mud Anchor	1	3.5000			30.66	9,977.62	10,008.28

Wellbore Schematic (From Surface to TD)

Printed: 5/16/2012

Harton State # 2

EER #: 5049.002.01

API # 3002540161

Rod String 1

Date Ran: 4/6/2012

Description	#	Diameter	Rod Box	Grade	Length	Top At	Btm At
Pol Rd	1	1.5000			26.00	0 00	26.00
Pol Rd Lnr	1	1.7500			16 00	10 00	26.00
Rod Sect 1	1	1.2500	SH	FG	18.00	26.00	44.00
Rod Sect 1	175	1.2500	SH	FG	6,562.50	44 00	6,606 50
Rod Sect 2	100	1.0000	SH		2,800 00	6,606 50	9,406.50
<i>sinker bars with 3/4" pins</i>							
Shear Tool	1	0.7500	Full		0.10	9,406.50	9,406 60
<i>21 k shear tool.</i>							
Pump	1	1.2500			36 00	9,406 60	9,442.60
<i>new steel chrome barrel</i>							
Rod Sect 3	20	1.5000			500.00	9,442.60	9,942.60