

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

**BLM OIL CONSERVATION**  
OCDA Artesia  
FEB 08 2016

**RECEIVED**

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

2. Name of Operator: CHEVRON U.S.A. INC. Contact: BRITANY M CORTEZ  
 E-Mail: BCORTEZ@CHEVRON.COM

3. Address: 15 SMITH ROAD MIDLAND, TX 79705 3a. Phone No. (include area code) Ph: 432-687-7415

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface 330FSL 990FWL  
 At top prod interval reported below 464FNL 565FWL  
 At total depth 464FNL 565FWL

5. Lease Serial No. NMNM107369

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. WHITE CITY 21 25 27 FED COM 5H

9. API Well No. 30-015-42975

10. Field and Pool, or Exploratory HAYHOLLOW; BONE SPRING, N

11. Sec., T., R., M., or Block and Survey or Area Sec 21 T25S R27E Mer NMP

12. County or Parish EDDY 13. State NM

14. Date Spudded 05/19/2015 15. Date T.D. Reached 06/02/2015 16. Date Completed  D & A  Ready to Prod. 06/22/2015

17. Elevations (DF, KB, RT, GL)\* 3128 GL

18. Total Depth: MD 12326 TVD  
 19. Plug Back T.D.: MD 12110 TVD  
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GAMMA RAY

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit analysis)  
 Directional Survey?  No  Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0		388		490		0	
12.250	9.625 HCK 55	40.0		2095		816		0	
8.750	5.500 HCP 110	17.0		12310		1953		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6910							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING, NORTH	7908	12040	7908 TO 12040			SEE WBD
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7908 TO 12040	

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/28/2015	10/07/2015	24	→	932.0	1331.0	650.0			Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	932	1331	650	1428	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

**ACCEPTED FOR RECORD**  
 FLOWS FROM WELL  
 FEB 1 2016  
 BUREAU OF LAND MANAGEMENT  
 CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #321553 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

Reclamation  
 Due: 4/7/16

✓

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

CAPTURED SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
SEE ATTACHED DOCUMENT					

32. Additional remarks (include plugging procedure):

SEE ATTACHED TOPS AND LITHOLOGY

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #321553 Verified by the BLM Well Information System.  
For CHEVRON U.S.A. INC., sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 12/22/2015 ()

Name (please print) BRITANY M CORTEZ Title REGULATORY SPECIALIST

Signature \_\_\_\_\_ (Electronic Submission) Date 10/27/2015

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

Tops of Lithology  
 White City 21 25 27 # 5H

Well  
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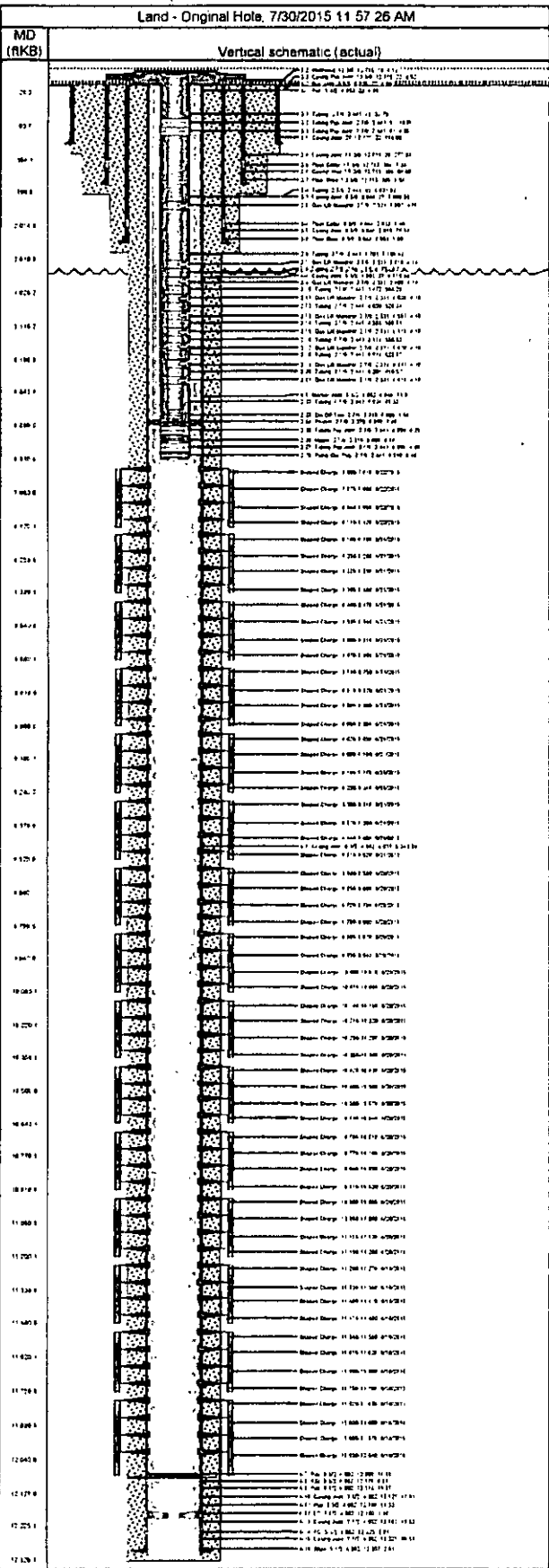
Fm Top Abbrev	FM Top Name	Lithology	MD	TVDSS	TVD
LMAR	1 Lamar	Limestone	2,095	1,055	2,095 -
BLCN	2 Bell Canyon	Sand Shale	2,131	1,019	2,131 -
CRCN	3 Cherry Canyon	Sand Shale	2,952	199	2,951 -
BRSC	4 Brushy Canyon	Sand Shale	4,075	-919	4,069 -
BSSL	6 Bone Spring Lime	Limestone	5,687	-2,517	5,667 -
AVLN	5 Avalon	Shale	6,576	-3,397	6,547 - 5281
FBSG	7 First Bone Spring	Sand Shale	7,358	-4,137	7,287 5 6547
SBSG	8 Second Bone Spring	Sand Shale	5,281	-1,695	5,281 7287

Lamar	1 -	2095 - 2131
Bell	2	2131 - 2951
Cherry	3	2951 - 4069
Brushy	4	4069 - 5281
Avalon	5 -	5281 - 5667
B.S. Lime	6	5667 - 6547
B.S. 1st	7	6547 - 7281
B.S. 2nd	8	7281 -



# Wellbore Schematic

Well Name <b>WHITE CITY 21-25-27 FED COM 005H</b>	Lease <b>White City 21-25-27 FED COM</b>	Field Name <b>Bone Spring</b>	Business Unit <b>Mid-Continent</b>
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Job Details		
Job Category	Start Date	Rig/Unit End Date
Completion	6/9/2015	6/18/2015
Completion	6/18/2015	6/22/2015
Completion	6/22/2015	6/24/2015
Completion	6/24/2015	6/26/2015
Completion	6/26/2015	6/26/2015
Completion	6/26/2015	6/30/2015
Completion	6/30/2015	7/2/2015

Casing Strings					
Csg Des	OD (in)	Wt/Ln (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)
Conductor	20	94.00	H-40		132
Surface	13 3/8	48.00	H-40	ST&C	388
Intermediate Casing 1	9 5/8	40.00	HCK-55	LT&C	2,095
Production Casing	5 1/2	17.00	HCP-110	CDC	12,310

Tubing Strings							
Tubing - Production set at 6,910.8ftKB on 7/1/2015 12:00							
Tubing Description	Run Date	String Length (ft)	Set Depth (MD) (ftKB)				
Tubing - Production	7/1/2015	6,892.85	6,910.8				
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	But (ftKB)	
Tubing	1	2 7/8	6.40	L-80	32.70	50.7	
Tubing Pup Joint	1	2 7/8			10.00	60.7	
Tubing Pup Joint	1	2 7/8			4.00	64.7	
Tubing	50	2 7/8	6.40	L-80	1,631.93	1,696.6	
Gas Lift Mandrel	1	2 7/8			4.10	1,700.7	
Tubing	34	2 7/8	6.40	L-80	1,109.42	2,810.1	
Gas Lift Mandrel	1	2 7/8			4.10	2,814.2	
Tubing	20	2 7/8	6.40	L-80	653.62	3,467.8	
Gas Lift Mandrel	1	2 7/8			4.10	3,471.9	
Tubing	17	2 7/8	6.40	L-80	554.26	4,026.2	
Gas Lift Mandrel	1	2 7/8			4.10	4,030.3	
Tubing	16	2 7/8	6.40	L-80	520.24	4,550.5	
Gas Lift Mandrel	1	2 7/8			4.10	4,554.6	
Tubing	17	2 7/8	6.40	L-80	555.51	5,110.1	
Gas Lift Mandrel	1	2 7/8			4.10	5,114.2	
Tubing	17	2 7/8	6.40	L-80	555.53	5,669.8	
Gas Lift Mandrel	1	2 7/8			4.10	5,673.9	
Tubing	16	2 7/8	6.40	L-80	522.97	6,196.8	
Gas Lift Mandrel	1	2 7/8			4.10	6,200.9	
Tubing	19	2 7/8	6.40	L-80	618.52	6,819.5	
Gas Lift Mandrel	1	2 7/8			4.10	6,823.6	
Tubing	2	2 7/8	6.40	L-80	65.32	6,888.9	
On-Off Tool	1	2 7/8			1.50	6,890.4	
Packer	1	2 7/8			8.48	6,898.9	
Tubing Pup Joint	1	2 7/8			6.25	6,905.1	
Nipple	1	2 7/8			1.16	6,906.3	
Tubing Pup Joint	1	2 7/8			4.06	6,910.3	
Pump Out Plug	1	2 7/8			0.48	6,910.8	

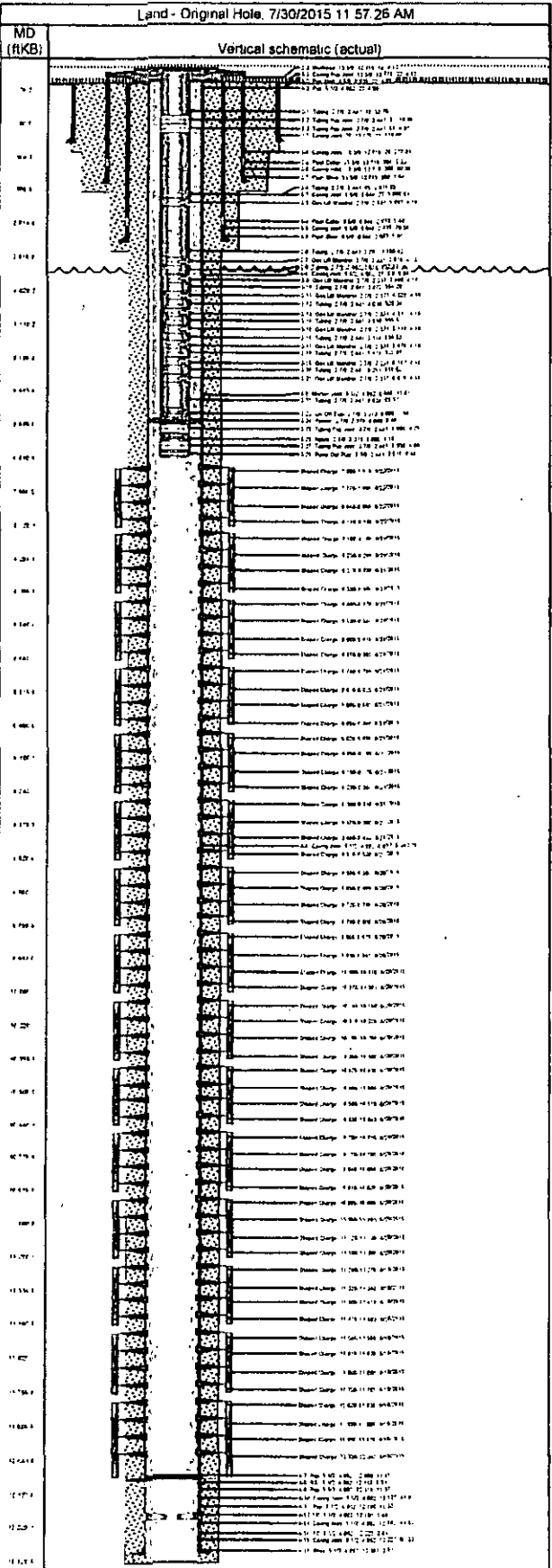
  

Perforations						
Date	Top (ftKB)	But (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion	
6/22/2015	7,908.0	7,910.0	6.0	12	2nd Bone Springs, Original Hole	
6/22/2015	7,978.0	7,980.0	6.0	12	2nd Bone Springs, Original Hole	
6/22/2015	8,048.0	8,050.0	6.0	12	2nd Bone Springs, Original Hole	
6/22/2015	8,118.0	8,120.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,188.0	8,190.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,258.0	8,260.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,328.0	8,330.0	6.0	12	2nd Bone Springs, Original Hole	



# Wellbore Schematic

Well Name WHITE CITY 21-25-27 FED COM 005H	Lease White City 21-25-27 FED COM	Field Name Bone Spring	Business Unit Mid-Continent
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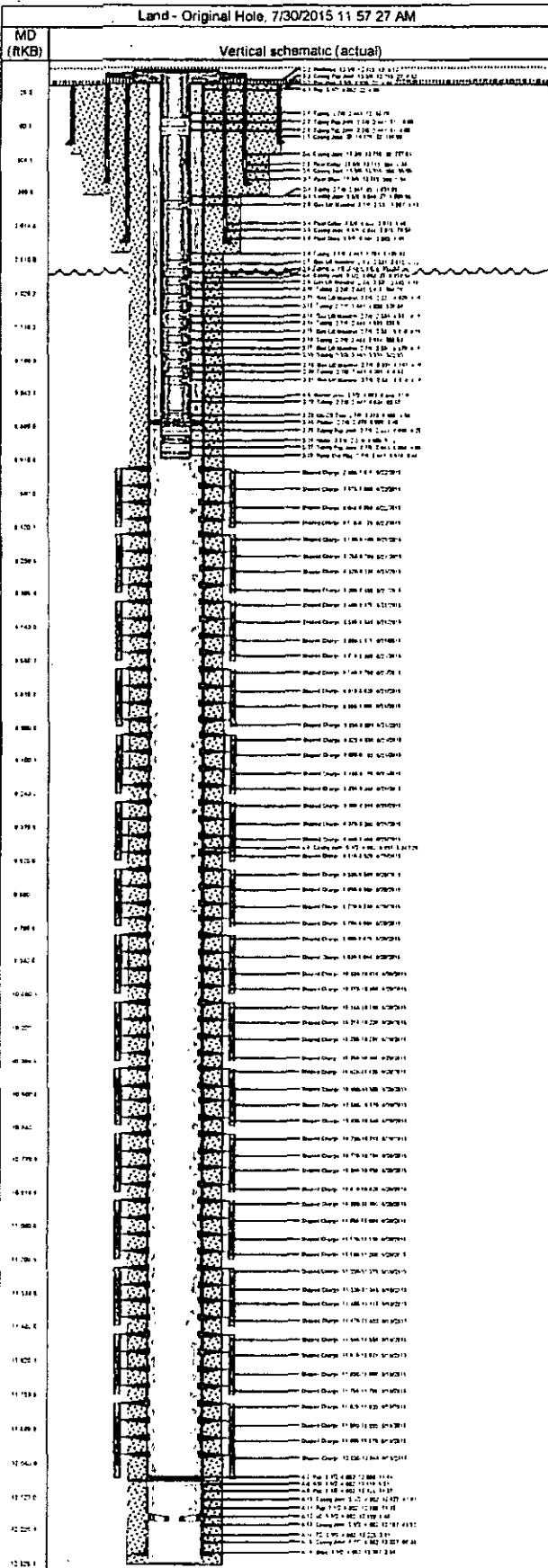


Perforations						
Date	Top (fKB)	Blm (fKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion	
6/21/2015	8,398.0	8,400.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,468.0	8,470.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,538.0	8,540.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,608.0	8,610.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,678.0	8,680.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,748.0	8,750.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,818.0	8,820.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,888.0	8,890.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	8,958.0	8,960.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	9,028.0	9,030.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	9,098.0	9,100.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	9,168.0	9,170.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	9,238.0	9,240.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	9,308.0	9,310.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	9,378.0	9,380.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	9,448.0	9,450.0	6.0	12	2nd Bone Springs, Original Hole	
6/21/2015	9,518.0	9,520.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	9,588.0	9,590.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	9,658.0	9,660.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	9,728.0	9,730.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	9,798.0	9,800.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	9,868.0	9,870.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	9,938.0	9,940.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,008.0	10,010.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,078.0	10,080.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,148.0	10,150.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,218.0	10,220.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,288.0	10,290.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,358.0	10,360.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,428.0	10,430.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,498.0	10,500.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,568.0	10,570.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,638.0	10,640.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,708.0	10,710.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,778.0	10,780.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,848.0	10,850.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,918.0	10,920.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	10,988.0	10,990.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	11,058.0	11,060.0	6.0	12	2nd Bone Springs, Original Hole	
6/20/2015	11,128.0	11,130.0	6.0	12	2nd Bone Springs, Original Hole	



# Wellbore Schematic

Well Name <b>WHITE CITY 21-25-27 FED COM 005H</b>	Lease <b>White City 21-25-27 FED COM</b>	Field Name <b>Bone Spring</b>	Business Unit <b>Mid-Continent</b>
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Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion	
6/20/2015	11,198.0	11,200.0	6.0	12	2nd Bone Springs, Original Hole	
6/19/2015	11,268.0	11,270.0	6.0	12	2nd Bone Springs, Original Hole	
6/19/2015	11,338.0	11,340.0	6.0	12	2nd Bone Springs, Original Hole	
6/19/2015	11,408.0	11,410.0	6.0	12	2nd Bone Springs, Original Hole	
6/19/2015	11,478.0	11,480.0	6.0	12	2nd Bone Springs, Original Hole	
6/19/2015	11,548.0	11,550.0	6.0	12	2nd Bone Springs, Original Hole	
6/19/2015	11,618.0	11,620.0	6.0	12	2nd Bone Springs, Original Hole	
6/19/2015	11,688.0	11,690.0	6.0	12	2nd Bone Springs, Original Hole	
6/19/2015	11,758.0	11,760.0	6.0	12	2nd Bone Springs, Original Hole	
6/18/2015	11,828.0	11,830.0	6.0	12	2nd Bone Springs, Original Hole	
6/18/2015	11,898.0	11,900.0	6.0	12	2nd Bone Springs, Original Hole	
6/18/2015	11,968.0	11,970.0	6.0	12	2nd Bone Springs, Original Hole	
6/18/2015	12,038.0	12,040.0	6.0	12	2nd Bone Springs, Original Hole	

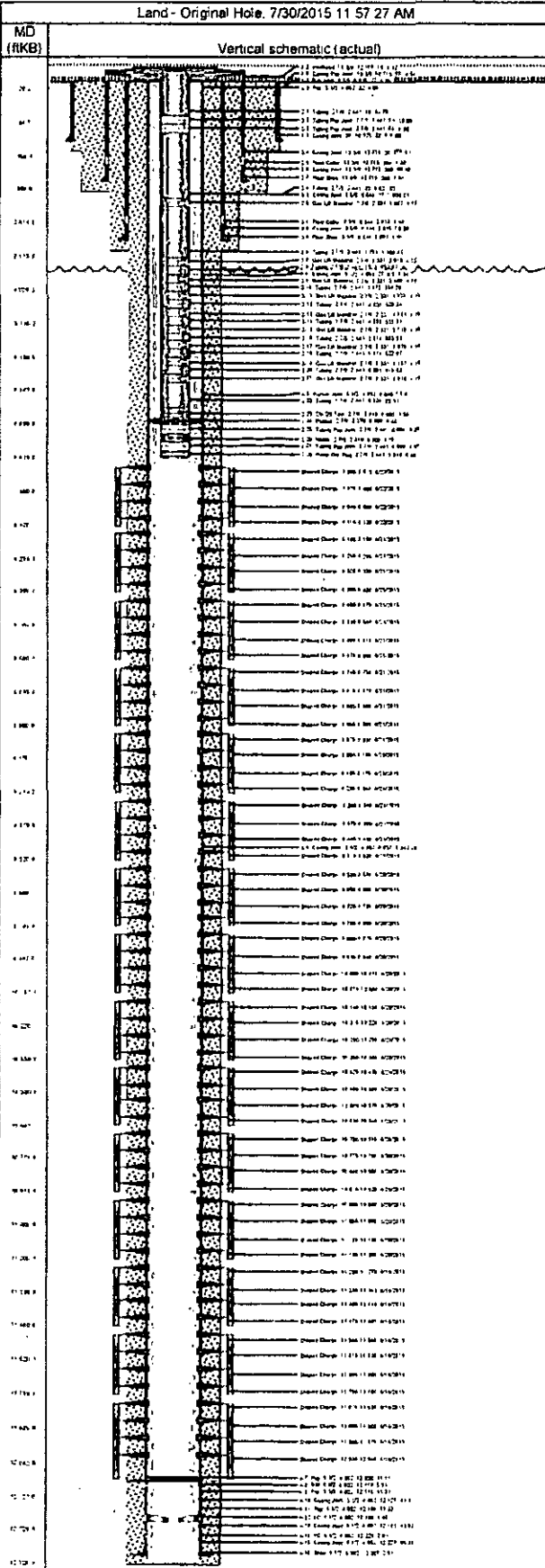
Other Strings			
Run Date	Pull Date	Set Depth (ftKB)	Com

Other In Hole					
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Bridge Plug (Permanent) Fasdrill	8,155.0	8,157.0	6/22/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	8,435.0	8,437.0	6/21/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	8,715.0	8,717.0	6/21/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	8,995.0	8,997.0	6/21/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	9,275.0	9,277.0	6/21/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	9,555.0	9,557.0	6/21/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	9,835.0	9,837.0	6/20/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	10,115.0	10,117.0	6/20/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	10,395.0	10,397.0	6/20/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	10,675.0	10,677.0	6/20/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug



# Wellbore Schematic

Well Name <b>WHITE CITY 21-25-27 FED COM 005H</b>	Lease <b>White City 21-25-27 FED COM</b>	Field Name <b>Bone Spring</b>	Business Unit <b>Mid-Continent</b>
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Other In Hole					
Des	Top (ftKB)	Botm (ftKB)	Run Date	Pull Date	Com
Bridge Plug (Permanent) Fasdrill	10,955.0	10,957.0	6/20/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	11,235.0	11,237.0	6/20/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	11,515.0	11,517.0	6/19/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug
Bridge Plug (Permanent) Fasdrill	11,795.0	11,797.0	6/19/2015	6/23/2015	5 1/2" Obsidian drop ball frac plug