

JAN 23 2012

Form 3160-4
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No NM-2515	
b Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr, Other _____		6 If Indian, Allottee or Tribe Name	
2 Name of Operator THREE RIVERS OPERATING COMPANY, LLC		7 Unit or CA Agreement Name and No	
3 Address 1122 S. CAPITAL OF TX HWY, SUITE 325 AUSTIN, TX 78746		8 Lease Name and Well No MESA VERDE 15 FED #1	
3a Phone No (include area code) 512-600-3190		9 AFI Well No 30-025-36836	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 990' FNL, 990' FEL, SEC 15-21S-32E At top prod interval reported below At total depth		10 Field and Pool, or Exploratory HAT MESA (BONE SPRINGS) SOUTH (97921)	
11 Sec, T, R, M, on Block and Survey or Area 15-21S-32E		12 County or Parish LEA	
13 State NM		17 Elevations (DF, RKB, RT, GL)* 3864' GL	
14 Date Spudded 09/19/2011	15 Date TD Reached	16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 10/03/2011	
18. Total Depth MD IVD	19 Plug Back ID: MD 11825' IVD	20 Depth Bridge Plug Set MD 11825' IVD	
21 Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE		22 Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	

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 Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
18.5"	16" K55	75#	1544'		870		SURF		
14.75"	11.75"H	54#	3630'		1240		SURF		
10.625"	8.625"H	32#	5283'		850		SURF		
7.875"	5.5"P110	20#	14880'		2300'		5083'		

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8	8500'	8509'						

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) 3RD BONE SPRINGS	11646	11796	11646-11796	.37	25	OPEN
B) 2ND BONE SPRINGS	10994	11328	10994-11328	.37	32	OPEN
C) 1ST BONE SPRINGS	9951	10088	9951-10088	.37	22	OPEN
D) AVALON	9026	9215	9026-9215	.37	21	OPEN

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

Depth Interval	Amount and Type of Material
11646 - 11796'	1000 GALS 15% 3 175,000 20/40LC 138,810 gals 30# XLINK
10994 - 11328'	1000 GALS 15% 3 190,000 20/40LC 157,710 gals 30# XLINK
9951 - 10088'	1000 GALS 15% 3 166,000 20/40LC 131,670 gals 25# XLINK
9026 - 9215'	1000 GALS 15% 3 166,000 20/40LC 135,786 gals 25# XLINK

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
10/3/11	10/4/11	24	→	66	230	342	40	.68	FLOWING
Choke Size	Tbg Press Flg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
16	130	130	→	66	230	342	3485:1	PRODUCING	

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
			→						
Choke Size	Tbg Press Flg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

PA Hat Mesa Morrow (GAS)

Kc

MAR 07 2012

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.)

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
3rd Bone Springs	11646	11796			
2nd Bone Springs	10994	11328			
1st Bone Springs	9951	10088			
AVARON	9026	9215			


32. Additional remarks (include plugging procedure):

33 Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

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

Name (please print) TOM STRATTON Title OPERATIONS MANAGER

Signature  Date 10/17/2011

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.

Three Rivers Operating

WJC, Inc.
Midland Tx, 79701



Mase Verde Hat
Recomplete to Bone Springs/Avalon
Lee Co., NM

Bill Collier
Company Rep.
Office 685 4171
Cell 559 4005

- 9/17/2011 Road unit to loc. SIFN @ 5:30 PM

Setting frac tanks.
- 9/19/2011 RU well service rig. ND tree NU BOP. Unset pkr and POOH w/ tbg and pkr. Lay dwn pkr and pick up 5.5" 20# csg scraper. TIH to 11,862'; Start POOH w/ tbg and scraper. SIFN @ 7:30 PM.

21 Frac tanks on loc. Key filling w/ wtr.
- 9/20/2011 Finish POOH w/ tbg and scraper. RU Allied wireline and RIH w/ GR/IB to 11,850'. TIH w/ CIBP and set @ 11,825' FS. Rig up and run CBL from 11,820' to 5,000' TOC @ 5 SIFN @ 8:30 PM.

31 Frac tanks on loc. Key filling w/ wtr.
- 9/21/2011 TIH w/tbg to CIBP. SIFN @ 12:30 PM.
Pump Mr Clean tomorrow.
- 9/22/2011 Rig up Petro Plex and pump 500 gals xylene, 1000 gal 15% HCL @ 1 BPM. Flush out w/ 230 bbls KCL wtr. and spot 500 gal 15% acetic acid from 11,825' to 11,300'. Rig up Hydrotest and start scan tbg OOH laying tbg down. SIFN @ 6:30 PM.
Will finish laying tbg dwn tomorrow & NU frac head.
- 9/23/2011 Finish scan OOH. ND BOP NU frac head from Stinger. Rig up Crain and test csg and frac head to 7,000 PSI. Held for 10 min. Rig up Allied GIH w/ perf gun and perf lower interval of 1st stage 11,793' - 796'. Crain pressure up until perfs brake @ 4,390 PSI; pump away 12 bbls of acid left in csg. ISIP = 3,950 PSI, 5 min = 3899; 10 min = 3886 psi; 15 min = 3874 psi. Finish perf 11,716'-718'; 11,684' - 686'; 11,646' - 650'. RD Crain and Allied. Release pulling unit, clean loc. haul tbg to DH 5 well. SIFN @ 6:30 PM.
All frac tanks set, transfer pumps, light plant, sand bins delivered.
- 9/24/2011 Drive to loc. Check wtr in all tanks. Check sand delivery.
- 9/26/2011 Cudd on Loc. @ 3:30 PM RU for frac. Howco wireline; alliance lubricator 10K; Run stage 1 and perf stage 2. problem w/ lubricator. Run stage two problem w/ perf one interval. repair lubricator grease head and rehead wireline after burning wire, perf all stage 3. pump acid away for stage 3 finish @ 4:30 AM. Rest for 3 hrs.
See job logs for frac.
- 9/27/2011 Continue and run stage 3; Perf stage 4 and run stage 4; perf stage 5, Avalon, problem w/ kinked wireline; did not slow job. run stage 5. Finish last stage @ 5:30 PM. Start RD Cudd. See job logs for frac. **ISIP after final Job = 2,767 PSI. Total Load Wtr to rec = 17,195 BBLs**
- 9/28/2011 RU well testing crew and flow back manifold. Inventory all tanks. Open well - 1,950 PSI SICP after 13 Hrs.. Open well slowly to a 14/64th ck. 1st hrs made 63 BLW. After 4 hrs 289 BL avg 72 BWPH

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Consulting Services

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1900 PSI; 6 PM 9 hrs. made 614 BW avg 68 BWPH FCP = 1825 PSI. 14/64th ck.

9/29/2011 6 AM rpt FCP = 1750 PSI on 14/64th ck. made 1352 bbls avg. 68 BPH. Open for 2 hrs on 18/64th ck and avg 135 BPH FCP 1615 PSI. reduce chock to 16/64th FTP = 1600 SPI in 3 hrs avg 75 BPH.
6 PM 16/64th ck. made total 949 bbls today. avg 79 BWPH FCP = 1550 PSI. Total rec = 2301 bbls.

TLLTR = 14,894 bbls

9/30/2011 6 AM rpt FCP = 1450 PSI on 16/64th ck. made 2973 bbls. trying to hold 70 to 80 BWPH.

6 PM 16/64th ck. made total 998 bbls today; last hr avg 82 BWPH; FCP = 1170 PSI. Total rec = 3971 bbls.

TLLTR = 12,907 bbls 6 PM

10/1&2/11 Sat 10/1/11 6 AM rpt FCP = 1050 PSI on 16/64th ck. made 1915 bbls. 24 hrs. Total rec 4888 bbls

Sun 10/2/11 10/1/11 6 AM rpt FCP = 740 PSI on 16/64th ck. made 1751 bbls. 24 hrs. Total rec 6639 BBlS

10/3/2011 Mon 10/3/11 6 AM rpt FCP = 6200 PSI on 16/64th ck. made 441 bbls. 24 hrs. Total rec 7962 bbls.
Making strong gas into tank and starting to cut 2 - 3 % oil. Hook up test separator. Turn into separator @ 1 PM. Plumb gas into gas sale line and open to gas sales.

6 PM rpt FCP = 400 PSI on 20/64th ck. flowing 230 MCFPD gas; and 66 BO & 342 BW in last 24 hrs.
Total rec 8336 BBlS