Submit 1 Copy To Appropriate District Office	State of Ne			Form C-103
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and	1 Natural Resources	WELL API NO.	Revised July 18, 2013
<u>District II</u> – (575) 748-1283	OIL CONSERVA	TION DIVISION	30-025-41907	
811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178	1220 South St		5. Indicate Type of	
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, N		STATE 6. State Oil & Gas I	FEE 🛇
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505	34		o. State Off & Gas I	Lease No.
SUNDRY NOTICE	S AND REPORTS ON V		7. Lease Name or U	Init Agreement Name
(DO NOT USE THIS FORM FOR PROPOSAL DIFFERENT RESERVOIR. USE "APPLICAT PROPOSALS.)   1. Type of Well: Oil Well   Ga	S TO DRILL OR TO DEEPEN ION FOR PERMIT" (FORM C	OR PLUG BACK TO A -101) FOR SUCH	RED HILLS 2 25 3	3
1. Type of Well: Oil Well Ga	s Well 🔲 Other		8. Well Number 0	03H
2. Name of Operator CHEVRON MIDCONTINENT, L.P.		MAR 1 6 2015	9. OGRID Number	241333
3. Address of Operator			10. Pool name or W	'ildcat
15 SMITH ROAD, MIDLAND, TEX	AS 79705	RECEIVED	RED HILLS; UPR I	BN SPR, SHALE
4. Well Location		lieb-	<u> </u>	
Unit Letter O 215 feet from	n SOUTH line and 226	60 feet from the EAST li	ine	
Section 2	Township 25S			inty LEA
	1. Elevation (Show wheth 427'	ner DR, RKB, RT, GR, etc		
12. Check App	propriate Box to Indic	cate Nature of Notice	. Report or Other D	ata
	•		•	
NOTICE OF INTE	ENTION TO: PLUG AND ABANDON [		BSEQUENT REP	JR LOF: LTERING CASING □
				AND A
<del></del>	_	CASING/CEMEN	<del></del>	
DOWNHOLE COMMINGLE				
CLOSED-LOOP SYSTEM   OTHER:		OTHER: NE	W WELL COMPLETION	N.
13. Describe proposed or complete	ed operations. (Clearly st			
of starting any proposed work) proposed completion or recom	. SEE RULE 19.15.7.14			
09/03/2014: MIRU PERFORATING C	HINS PERFORATE 13	626-13 771		
09/04/2014: PERFORATE 13,264-13,				
09/07/2014: PERFORATE 12,540-12,6	685. 09/08/2014: PERFO	ORATE 12,178-12,505. (		• •
09/10/2014: PERFORATE 10,549-11,2				
09/03 THROUGH 09/12/14: FRAC W. 634,923 LBS, SLICK WATER: 114,9				
BBLS. 09/15/2014: FLOWING WE.				
				<b>5</b> 0 H <b>5777</b>
10/13/2014: ON 24 HR OPT. FLOWI	NG 50 OIL, 600 GAS, 22	TT WATER. GOR-109	1. 20/64" CHOKE. 12	50# FTP.
Spud Date:	Rig Rele	ease Date:		
				_l
I hereby certify that the information abo	ove is true and complete t	o the best of my knowled	ge and belief.	
Δ (	)		6- ····	
SIGNATURE MISS PLANT	ritle (	REGULATORY SPEC	IALIST DAT	E: 03/11/2015
Type or print name DENISE PINKER	TON E-mail	address: <u>leakejd@chevr</u>	on.com PHON	E: 432-687-7375
For State Use Only	with t	Petroleum Engineer		03/11/16
APPROVED BY  Conditions of Approval (if any):	TITLE_	04	DATI	



Ground Elevation (ft)

Summary Reports OCD

Completion Complete

Water Depth (ft)

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Business Unit itinent

	Red Hills 2-25-33	RED HILLS	1000	Mid-Continent
RKB (ft)	Current RKB Elevation		CO20 m	Mud Line Elevation (ft)
3,427,00	3,427,00, 7/9/2014		<b>SECEIVED</b>	

Com

Report Start Date: 8/13/2014

HSM & PJSA w/ Hobbs anchor, cross-fire. Discuss Scope of Job, SWA, TIF, ERP, Tenet #3 We always ensure safety devices are in place and functioning,

proper backing, communication, pinch points

Hobbs set 4 rig anchors. RDMO. Crossfire plumb out cellar and fill with pea gravel. Pull ground rods left by drlg rig. Sunbelt deliver 10K Fork-Llft. Lobo deliver and set guard shack and gates.

NOTE: Intermediate casing is the higher valve w/ 5000 psi ball valve.

NOTE: Surface casing is the lower valve w/ 2000 psi ball valve.

Report Start Date: 8/14/2014

RED HILLS 2-25-33 003H

3,452.00

HSM & PJSA w/ Trend, Discuss Scope of Job, SWA, TIF, ERP, Tenet # 4 Always follow safe work practices and procedures, proper backing, communication

Trend MI set-up 1 company man trailer, 1 safety trailer, septic system, water tank, and generator.

Report Start Date: 8/15/2014

HSM & PJSA w/ Trend, Discuss Scope of Job, SWA, TIF, ERP, Tenet # 5 Always meet or exceed customers' expectations, proper backing, communication

Trend MI set-up 1 company man trailer.

Level location with grader.

Report Start Date: 8/16/2014

1 Com

Set FW Frac Tanks

Report Start Date: 8/17/2014

Com

RU Water Transfer

Report Start Date: 8/18/2014

HSM & PJSA w/ GE, Fesco, WW Wireline, OTG Discuss Scope of Job, SWA, TIF, ERP, Tenet # 8 Always address abnormal conditions, proper backing. communication, hand injuries.

NU 7 1/16 10k Lower Master Valve

Set Containments for Acid, Open Top, Pumpdown FW, and Flowback Tanks Set Acid, Open Top, Pumpdown FW, and Flowback Tanks throughout day,

Pull BPV, Set Two Way Check and Flow Sub

WHP: 0 PSI

Test Lower Master Valve 250 psi low, 8,500 psi High

Test - Successful

Pull Two Way Check and Flow Sub

NU 7 1/16 10k Frac Stack (Middle Master, Flow Cross, and Crown Valve)

Fill 9 5/8" Annular Casing with FW prior to testing. Ball valve stem leaking.

Crossfire Construction dig out cellar, replace Ball Valve.

RU Flowback Equipment, Containments, and Restraints

Fill and Test 9 5/8" Annular Casing 100 psi low, 1,000 psi high Test Frac Stack and Flowback Iron 250 psi low, 8,500 psi high

Test - Successful

Fesco - Run and Function test all hydraulics.

WHP: 0 Psi. Frac Stack Installed

Report Start Date: 8/19/2014

-Com

PJSM W/ CUDD, WW, FESCO, OTG

OTG PLACE CONTAINMENT

MIRU CUDD PUMP

**INSTALL RESTRAINTS** 

PRIME PUMPS

PRESS. TEST LINES T/ 8100 PSI, TEST GOOD



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | RED HILLS 2-25-33 | 003H | Red Hills 2-25-33 | RED HILLS | RED HILLS | RED HILLS | Mid-Continent | Mid-Continent

.Com

WHP 0 PSI

9-5/8" x 5-1/2": 0 PSI

PRESSURE UP 9-5/8" x 5-1/2" TO 500 PSI

OPEN WELL & BEGIN BUILDING PRESSURE ON RSI SLEEVE @ 13,909'

HELD 7164 PSI FOR 1 HR WHEN SLEEVE SHIFTED

LET PRESSURE FALL TO 2000 PSI

EST. INJECTION W/ FW @ 13.3 BPM 6700 PSI

INJECTED A TOTAL OF 116 BBL FW

MAX RATE: 13.4 BPM MAX PSI: 7164 PSI ISIP: 4400 PSI 5 MIN: 2104 PSI 10 MIN: 1994 PSI 15 MIN: 1947 PSI

SHUT IN & SECURE WELL

BLED PRESSURE OFF OF 9-5/8" x 5-1/2"

WHP: 1947 PSI 9-5/8" x 5-1/2": 0 PSI

RDMO CUDD & AUX. EQUIP.

Report Start Date: 8/20/2014

PJSM W/ STONE

INSTALL MISSING BOLTS ON ALL FRAC TKS ON LOCATION

Report Start Date: 8/21/2014

Com-

NO ACTIVITY, CARRY COSTS.

Report Start Date: 8/22/2014

roport Guard Burd.

NO ACTIVITY. CARRY COSTS.

Report Start Date: 8/23/2014

TENET OF THE DAY: ALWAYS ENSURE SAFETY DEVICES ARE IN PLACE AND FUNCTIONING

WAITING ON FRAC

Report Start Date: 8/24/2014

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Com

Com

TENET #4: ALWAYS FOLLOW SAFE WORK PRACTICES AND PROCEDURES

WAITING ON FRAC

Report Start Date: 8/25/2014

Com

TENET#5: ALWAYS MEET OR EXCEED CUSTOMERS REQUIREMENTS.

NO ACTIVITY, WAITNG ON FRAC

Report Start Date: 8/26/2014

Com

TENET # 6: ALWAYS MAINTAIN INTEGRITY OF DEDICATED SYSTEMS

NO ACTIVITY, WAITING ON FRAC,

Report Start Date: 8/27/2014

Com

ALWAYS COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS

NO ACTIVITY, CARRYING COST

Report Start Date: 8/28/2014

Com

TENET #8: ALWAYS ADRESS ABNORMAL CONDITIONS

NO ACTIVITY, CARRING COST

Report Start Date: 8/29/2014

Com

HOLD PJSA WITH CREWS

MIRU HALLIBURTON PUMP TRUCK. TRANSFER 1040 BBLS OF FRESH WATER TO ACID TANKS, BLEND 35% HCL (22 BAUME) WITH 146 GALS OF CORROSION INHIBITOR (HAL-05) AND 73 GALS OF SURFACTANT (LOSURF-360) WITH 1040 BBLS OF FRESH WATER MAKING 73,000 GALS OF 15% HCL.

Page 2/32



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | Lease | Field Name | RED HILLS 2-25-33 | 003H | Red Hills 2-25-33 | RED HILLS | RED HILLS | Mid-Continent | Mid-

RD HALLIBURTON PUMP TRUCK

Report Start Date: 8/30/2014

Com

Com

HELD PJSA WITH OIL STATES, WW, B&C. REVIEW ALL JSA'S

NIPPLE DOWN CROWN VALVE

RIG UP OIL STATES ISOLATION TOOL AND GOAT HEAD.

MIRU CASEDHOLE E-LINE SER.

Report Start Date: 8/31/2014

Com

PJSM W/ FESCO

RU FLOWBACK EQUIP. TO TREE SAVER

Report Start Date: 9/1/2014

Com

SPOT SAND CASTLES & MOVERS, FILL SAME

PJSM W/ WW, FESCO, B&C, OIL STATES, OTG, HAL

ND ISOLATION TOOL

\*CONT. FILLING SAND, OTG PLACE CONTAINMENTS

NU GOATHEAD & CROWN VALVE TEST TO 250 PSI LOW, 8500 PSI HIGH

TESTS GOOD

\*CONT. FILLING SAND, OTG PLACE CONTAINMENTS

MIRU HAL FRAC EQUIP R/U PUMPS AND IRON

NPT DUE TO INSUFFICENT PERSONNEL

Report Start Date: 9/2/2014

Com

Operations suspended until day crew arrives on location.

PJSM w/ HAL day crew and associated business partners. Go over Tenet, Hazard, TIF, ERP, scope of the job. Discuss hazards/mitigation associated w/ R/U of equipment along w/ mitigation. Review muster points, good communication practices, staying hydrated and use of SWA.

Cont. R/U of HAL frac equipment.

Test frac surface lines to 250 psi/8500 psi/test WH 250 psi/8500 psi. Test good.

Set N2 pop-off to 7000 psi and tested. Tested good. Set backside pop off to 1500 psi and tested.

PJSM w/ HAL night crew and associated business partners. Go over Tenet, Hazard, TIF, ERP, scope of the job. Discuss hazards/mitigation associated w/ R/U of equipment along w/ mitigation. Review muster points, good communication practices, staying hydrated and use of SWA.

Complete RU of Halliburton frac, prime and test lines to 250/8500 psi. Good Test. RU Halliburton ELU, Oil States crane. RU PWR pressure control.

Halliburton did not have the enough nitrogen bottles to get the proper pop-off pressure. Operations was suspended, due to the lack of nitrogen bottles.

W.W. Wireline electrical malfunction on the test pump. The test pump would not start.

Injection test. We will combine stages 1 & 2.

Shut-in Wellhead PSI = 1800 psi

Breakdown: 6523 psi Max Rate: 42 BPM Avg Rate: 23 BPM Max Pressure: 6654 psi Avg Pressure: 5825 psi

9-5/8" Intermediate Casing: 500 psi

Note: Unable to achieve over 40 bpm without pressuring out even after acid hit.

MU/PU perforating guns and lubricator on WH.

Report Start Date: 9/3/2014

Corr

MU/PU perforating guns and dummy plug and lubricator on WH.

Attempt to pressure test lubricator. (Failed) Search for leaks.

R/D Lubricator and perforating guns.

W.W. Wireline electrical malfunction on the test pump. The test pump would not start. (Wait on new pump unit)

R/U Test pump



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

 Well Name
 Lease
 Field Name
 Business Unit

 RED HILLS 2-25-33 003H
 Red Hills 2-25-33
 RED HILLS
 Mid-Continent

 Ground Elevation (ft)
 Original RKB (ft)
 Current RKB Elevation
 Mud Line Elevation (ft)
 Water Depth (ft)

 3,452.00
 3,427.00, 7/9/2014
 Water Depth (ft)
 Water Depth (ft)

Com

MU/PU perforating guns and dummy plug and lubricator on WH.

Pressure test lubricator. (Good)

Note: Isolate lubricator but there was a leak on the cross flow inner wing valve grease insert.

PJSM w/ Hal frac crew and associated business partners. Go over scope of the job, Tenet of the Day, Hazard, TIF, ERP, importance of good communication/hydration, muster points, 360 MySpace and use of SWA.

Ops suspended.

Repack fluid end on pump down trucks.

Test lubricator to 4500 psi. Test fail. L/D lubricator disarm guns.

Tighten up lubricator and replace seal.

Arm guns, MU/PU lubricator and test to 4500 psi. Test pass w/ crown valve shut.

Open crown valve to test and test failed.

Halliburton 2" plug valve on bleed off line leak.

Replace 2" plug valve on bleed off line. Retest lubricator to 4500 psi w/ crown valve shut. Test pass. Open crown valve and test to 4500 psi. Test pass. Equalize to WH at 1700 psi.

SICP: 1700

Perf Stage #2 Avalon Shale F/ 13,626' T/ 13,770'

Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 353 bbls treated water @ 16 bpm @ 200 fpm.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

13,769' - 13,770' 6 spf 12 shots 19gm 60 degree phase 13,733' - 13,735' 6 spf 12 shots 19 gm 60 degree phase 13,698' - 13,699' 6 spf 6 shots 19 gm 60 degree phase 13,626' - 13,627' 6 spf 6 shots 19 gm 60 degree phase 13,626' - 13,627' 6 spf 6 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.

Prime up & test lines to 7000 psi.. Set kickouts staggered from 6,800-7,000 psi. Attempt to pump combined Stage 1 & 2 per Halliburton design. Pump 3000 gal @10 bpm. Pump 45% of pad. Kept losing blender tub. Shut down operation and troubleshoot.

 Initial WHP
 1700 psi

 Max Pressure
 5316 psi

 Avg Pressure
 3940 psi

 Max Rate
 37.4 bpm

 Avg Rate
 16.5 bpm

Halliburton swap downhole blender with pump down blender.

Report Start Date: 9/4/2014

Com

Halliburton swap downhole blender with pump down blender.

PJSM w/ Hal frac crew and other associated business partners. Go over Tenet, Hazard, E-colors, Leadership Principle, TIF, ERP, muster points, JSA's/hazards/mitigation. Good communcations needed, 360 MySpace, good hydration, sign in/out sheets and use of SWA.

MIRU downhole blender.

Prime pumps

Test surface equipment to 7000 psi. Set N2 pop-off at 6900 psi and backside pop-off at 1500 psi.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Business Uni RED HILLS 2-25-33 003H Red Hills 2-25-33 RED HILLS Mid-Continent Original RKB (ft) Current RKB Elevation Ground Elevation (ft) Mud Line Elevation (ft) Water Depth (ft) 3,452.00 3,427.00 3,427.00, 7/9/2014

Combine and frac Stage #1 and #2. ("Avalon" 13,909'-13,627")

Shut-in Wellhead PSI = 1825 psi

Breakdown: 6.597 psi Max Rate: 71.7 BPM Avg Rate: 69.2 BPM Max Pressure: 6,736 psi Avg Pressure: 5413 psi Total Prop: 488,191 lbs

40/70 Premium White: 449,000 lbs

100 mesh: 39,191 lbs Max Prop Conc.: 2.59 ppg Water Frac G R: 538 bbls Slick Water: 9,525 bbls 15% FE Acid: 71.4 bbls Load To Recover: 10,185 bbls

ISIP: 2302 psi 5 min: 2145 psi 10 min: 2095 psi 15 min: 2095 psi FG: .68 psi/ft

TOTAL Prop 4, 428,909 lbs.
TOTAL Prop 4, 428,909 lbs.
40)10 Premum White 5,803,650 lbs
100 mesh 114, 944 lbs
100 mesh 114, 944 lbs
150 FE ACID 985 lbs
150 FE ACID 985 lbs
150 FE ACID 94515 lbs

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.

Perf Stage #3 Avalon Shale F/ 13,445 T/ 13,588'

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down spotting 3000 gal 15% FE HCl and 15,354 gal treated water @ 16 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 13, 608'. Line tension 1220 lbs prior to plug set/1220 lbs after plug set. Pressure up 4000 psi. P/U and

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

13,588' - 13,590' 6 spf 12 shots 19 gm 60 degree phase 13,552' - 13,554' 6 spf 12 shots 19 gm 60 degree phase 13,517' - 13,518' 6 spf 6 shots 19 gm 60 degree phase 13.481' - 13,482' 6 spf 6 shots 19 gm 60 degree phase 13,445' - 13,446' 6 spf 6 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.

L/D lubricator, L/D and disarm guns

Frac Stage # 3 ("Avalon" 13,446'-13,590')

While on pad 3 frac pumps went down, allowing max rate to range between 50 bpm-55 bpm.

While pumping 40/70 Ottawa @ 184,400# of stage between the 1.5 ppg and 2 ppg pumping 68 bpm pressure increased to 6900 psi . Cont' to pump dropping rate to 65 bpm cutting sand and pump gel sweep. Bring up rate to 65 bpm and cont' pumping additional 76,352# of sand increasing to 1.25 ppg when 1.25# hit formation would not take and dropped to 45 bpm sent gel sweep and flushed. Will have to spread out 66,616# over next 20 stages.

Shut-in Wellhead PSI = 4075 psi

Breakdown: 4085 psi Max Rate: 75 BPM Avg Rate: 69.1 BPM Max Pressure: 6980 psi Avg Pressure: 6303 psi Total Prop: 258,320 lbs

40/70 Premium White: 228,190 lbs

100 mesh: 30,130 lbs Max Prop Conc.: 2.23 ppg Water Frac G R: 50.3 bbls Slick Water: 6533 bbls 15% FE Acid: 71.4 bbls Load To Recover: 74776 bbls

ISIP: 2531 psi 5 min: 2302 psi FG: .70 psi/ft

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Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | RED HILLS 2-25-33 003H | Red Hills 2-25-33 | RED HILLS | RED HILLS | RED HILLS | RED HILLS | Mid-Continent | Mid-Continent | Water Depth (ft) | 3,452.00 | 3,427.00 | 3,427.00 | 7/9/2014 | Water Depth (ft) | Water Depth (ft) | RED HILLS | RED HI

Com

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.

SICP: 2050 psi

Perf Stage #4 Avalon Shale F/ 13,265 T/ 13,409'

Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down spotting 3000 gal 15% FE HCl and 4574 gal treated water @ 16 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 13, 427'. Line tension 11268 lbs prior to plug set/1230 lbs after plug set. Pressure up 4000 psi. P/U and perf

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

 13,407' - 13,409'
 6 spf
 12 shots
 19 gm
 60 degree phase

 13,371' - 13,373'
 6 spf
 12 shots
 19 gm
 60 degree phase

 13,336' - 13,337'
 6 spf
 6 shots
 19 gm
 60 degree phase

 13,300' - 13,301'
 6 spf
 6 shots
 19 gm
 60 degree phase

 13,264' - 13,265'
 6 spf
 6 shots
 19 gm
 60 degree phase

 13,264' - 13,265'
 6 spf
 6 shots
 19 gm
 60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage # 4 ("Avalon" 13,265'-13,409')

While pumping 40/70 Ottawa @ 807# of stage between the 2 ppg and 2.5 ppg pumping @70 bpm pressure increased to 6700 psi. Cont' to pump while staging rate to 5 bpm to maintain a pump rate that would not exceed the max pumping pressure. Cut sand and pump gel sweep. Stage rate up to 10 bpm and the pressure increased to 6900 psi. Staged rate to 2.5 bpm and pressure increased to 7000 psi.

Shut-in Wellhead PSI = 1500 psi

Breakdown: 4565 psi Max Rate: 80.68 BPM Avg Rate: 58.27 BPM Max Pressure: 6610 psi Avg Pressure: 65378 psi Total Prop: 172,290 lbs

40/70 Premium White: 148,900 lbs

100 mesh: 24,060 lbs Max Prop Conc.: 2.10 ppg Water Frac G R: 671.67 bbls Slick Water: 6533 bbls 15% FE Acid: 71.4 bbls Load To Recover: 4793 bbls

Flow back well to unload sand. (WHP: 350 psi, Flowback rate: 3 bbl/min.)

Report Start Date: 9/5/2014

Com

Flow back well to unload sand. (WHP: 350 psi, Flowback rate: 3 bbl/min.)

Flow back 350 bbls of frac fluid

Flush well with slick water while staging the pumps up to 17.2 bpm (max rate without screening out).

PJSM w/ Hal frac crew and associated business partners. Go over Tenet, Hazard, E-colors, TIF, ERP, muster points, use of SWA. Review need for good communication between everyone, staying hydrated, possible weather related issues. Go over scope of job along w/ JSA's hazards/mitigation.

Attempt to plug and perf stage #4 Avalon Shale F/ 13,264'-13,409'

SICP: 2130 psi

Open well

TİH, get on depth w/ CCL and short joint @ 8,987'-8,998'. Pumped down treated water at 16 bpm at 6000 psi. @ 100 fpm. Set down tool at 10530'. P/U guns POOH to 9500'. Attempt to pump down at 16 bpm, set down at 10530' again.

POOH, plug not set, no shots fired.

L/D guns and disarm.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Com

Flush Stage # 4 frac (Avalon 13264'-13409')

SICP: 2164 psi

Open well and pump 1438 bbl of slickwater at following intervals;

3 bpm at 2750 psi. 9 bpm 4700 psi. 15 bpm 5443 psi. 20 bpm 5955 psi. 25 bpm 5725 psi. 30 bpm at 5965 psi.

35 bpm at 5960 psi. 40 bpm 5955 psi.

40 bpm 5955 psi. 45 bpm at 6000 psi.

47 bpm at 6140 psi. Pump 30 bbl gel sweep at 47 bpm at 6100 psi

Shut down pumps. ISIP: 2100 psi

SICP: 2100 psi

Perf Stage #5 Avalon Shale F/ 13,083-13,226'

#### Open well

RİH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down gal treated water @ 16 bpm @ 200 fpm. Set down gun at 9765'. P/U guns to 9030'. Pump down treated water at 16 bpm at 215 fpm to 13246'. Spot 2000 gal 15% Fe HCl at 13246'.

Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 13, 246'. Line tension 1200 lbs prior to plug set/1188 lbs after plug set. Pressure up 4000 psi. P/U and perf

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

 13,226' - 13,228'
 6 spf
 12 shots
 19 gm
 60 degree phase

 13,190' - 13,156'
 6 spf
 12 shots
 19 gm
 60 degree phase

 13,155' - 13,156'
 6 spf
 6 shots
 19 gm
 60 degree phase

 13,119' - 13,120'
 6 spf
 6 shots
 19 gm
 60 degree phase

 13,083' - 13,084'
 6 spf
 6 shots
 19 gm
 60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #5 ("Avalon" 13,083'-13,228')

Shut-in Wellhead PSI = 2100 psi

Breakdown: 5192 psi Max Rate: 81.2 BPM Avg Rate: 80.9 BPM Max Pressure: 6528 psi Avg Pressure: 5146 psi Total Prop: 296,790 lbs

40/70 Premium White: 265,130 lbs

100 mesh: 31,660 lbs Max Prop Conc.: 2.68 ppg Water Frac G R: 52.7 bbls Slick Water: 9161 bbls 15% FE Acid: 83 bbls Load To Recover: 9.297 bbls

ISIP: 2573 psi 5 min: 2432 psi FG: .70 psi/ft

Arm guns and R/U lubricator and test to 4500 psi. Test pass.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Com

SICP: 2100 psi

Perf Stage #6 Avaion Shale F/ 12,902-13,045'

Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998'. Pump down gal treated water @ 16 bpm @ 200 fpm. Set down gun at 9765'. P/U guns to 9030'. Pump down treated water at 16 bpm at 209 fpm to 13065'. Spot 2000 gal 15% Fe HCl at 13060'.

Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 13, 065'. Line tension 1275 lbs prior to plug set/1166 lbs after plug set. Pressure up 4000 psi. P/U and

nerf

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

13,043' - 13,045' 6 spf 12 shots 19 gm 60 degree phase 13,007' - 13,009' 6 spf 12 shots 19 gm 60 degree phase 12,973' - 12,974' 6 spf 6 shots 19 gm 60 degree phase 12,938' - 13,084' 6 spf 6 shots 19 gm 60 degree phase 12,901' - 12,902' 6 spf 6 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #6 ("Avalon" 12,902'-13,034')

While pumping 40/70 Ottawa 149,000# stage between the 1.5 ppg and 2.0 ppg pumping @65.8 bpm pressure increased to 6976 psi. Cont' to pump staging rate to 25 bpm cutting sand and pump gel sweep. Conveyor belt bearing off of the hopper failed, shut down and replaced bearing. Flush well and shut pumps off. Reestablish circulation to a pump rate of 31.1 bpm.

Shut-in Wellhead PSI = 2250 psi

Breakdown: 4207 psi Max Rate: 66.04 BPM Avg Rate: 62.9 BPM Max Pressure: 6976 psi Avg Pressure: 5597 psi

Total Prop: 182,480 lbs

40/70 Premium White: 149,040 lbs 100 mesh: 33,440 lbs Max Prop Conc.: 1.54 ppg Water Frac G R: 875 bbls Slick Water: 7046 bbls 15% FE Acid: 83 bbls Load To Recover: 8004 bbls

ISIP: 3774 psi 5 min: 2791 psi FG: .83 psi/ft

Arm guns and R/U lubricator and test to 4500 psi. Test pass. RIH with perf. guns.

Report Start Date: 9/6/2014



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

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SICP: 2250 psi

Perf Stage #7 Avalon Shale F/ 12,721-12,866'

Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down gal treated water @ 16 bpm @ 200 fpm. Set down gun at 9765'. P/U guns to 9030'. Pump down treated water at 16 bpm at 200 fpm to 12,884'. Spot 1500 gal 15% Fe HCl at 12880'.

Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 12,884'. Line tension 1178 lbs prior to plug set/1066 lbs after plug set. Pressure up 4000 psi. P/U and perf

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

12,864' – 12,866' 6 spf 12 shots 19 gm 60 degree phase 12,828' – 12,830' 6 spf 12 shots 19 gm 60 degree phase 12,793' – 12,794' 6 spf 6 shots 19 gm 60 degree phase 12,757' – 12,758' 6 spf 6 shots 19 gm 60 degree phase 12,721' – 12,722' 6 spf 6 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #7 ("Avalon" 12,721'-12,866')

While pumping 40/70 Ottawa between the 2.0 - 2.5 ppg pumping @ 51.7 bpm pressure increased to 7000 psi. Attempted to pump @3 bbls/min and the pressure spiked. Flush well and shut pumps off. Attempted to reestablish circulation (Failed).

Shut-in Wellhead PSI = 2100 psi

Breakdown: 4795 psi Max Rate: 81.6 BPM Avg Rate: 61.9 BPM Max Pressure: 6738 psi Avg Pressure: 6114 psi Total Prop: 218,910 lbs

40/70 Premium White: 189,120 lbs

100 mesh: 29,790 lbs Max Prop Conc.: 2.22 ppg Water Frac G R: 0 bbls Slick Water: 7422 bbls 15% FE Acid: 71.5 bbls Load To Recover: 7493.5 bbls

ISIP: 3900 psi 5 min: 2432 psi FG: .84 psi/ft

Flow back well to unload sand. (WHP: 1500 psi, Flowback rate: 4 bbl/min.)

Flow back 350 gals of frac fluid.

Attempt to Flush Stage #7 (Avalon 12,721'-12,866')

SICP: 2164 psi

Started at 3 bpm at 2400 psi. Worked rate up to 13 bpm with pressure maxing out at 7000 psi. Continue to try to breakdown at 3 bpm at 6900 psi. Could not break down formation.

Shut down pumps.

Flow back well to unload sand. (WHP: 2500 psi, Flowback rate: 3.5 bbl/min.)

Flow back flush 1.5x's = 429 bbls @ 3.5 bpm



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

ield Name Business Unit RED HILLS 2-25-33 003H Red Hills 2-25-33 **RED HILLS** Mid-Continent Original RKB (ft) Ground Elevation (ft) Current RKB Elevation Mud Line Elevation (ft) Water Depth (ft) 3,452.00 3,427.00 3,427.00, 7/9/2014

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Second attempt to Flush Stage #7 (Avalon 12,721'-12,866')

Started at 2 bpm at 2157 psi. Worked rate up to 10 bpm with pressure maxing out at 7000 psi. Continue to try to breakdown at 5 bpm at 6600 psi. Could not break down formation. Continue to try at breakdown at 4.3 bpm at 6500 psi. Drop rate to 3.1 bpm at 6000 psi and pump remaining wellbore displacement.

Shut down pumps.

R/D Halliburton pump down side of frac spread to make room for coil tbg unit

Spot Equipment - Rig up CTU

R/U CTU. Install Coil connector and pull test 30 K Install assy, to circulating sub and test assy, 3000 psi Install motor and bit and test motor at 2.75.bpm at 4800 psi Test lubricator, coil and frac stack to 300 psi low and 7000 psi high.

Halliburton Old School tool assy.

2.88" X 2.00" Coil Connector----.85' 2.88" Dual BPV-----1.25' 2.88" Hydraulic Disconnect-----1.46' 2.88" Circulating Sub-----1.28' 2.88" Hi-Torque motor-----12.86" XO 2-3/8"Pac X 2 3/8" Reg bxp--0.54' 4.625" JZ Rock Bit----.50"

Overall tool length 28.97'

Test surface equipment 250 psi low and 7000 psi high.

Report Start Date: 9/7/2014

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Equalize well to 2800 psi . TiH pumping 1/2 bpm taking 1/2 bpm returns at 2850 psi. Pumping FW with 1 gal FR/10 bbls.

Tag Plug #7 @ 12,926' CTM

Coil Tubing Weight: 12,190 lbs to 10,460 lbs (Tagged weight)

Pump 10 bbl sweep Pump 3 bpm getting 3.5 returns (2) Pump 10 bbl sweep

Clean out well. TOH.

HSM & PJSA w/ day crews.Discuss LD BHA and PU CTP BHA. SWA, TIF, ERP, Tenet #7 We always...comply with all applicable rules and regulations, line of fire, three point contact while climbing or descending, 360 my space, proper lifting procedures.

Bump up into lubricator, SI crown valve and SI UMV. Open crown valve and bleed off into OTT.

Break off lubricator and LD Old School C/O BHA.

P/U Cased Hole Solutions 5 perf guns

M/U below Old School 2" coil connector, 2-3/8" dual BPV, 2-3/8" TCP Disconnect, 2-3/8" X-O and gun assembly constisting of five 3-1/8" guns, 6 shots per ft, 60 degree phase, 21 gr, for stage 8 perfs w/ bull plug on bottom

Total length = 23'



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

RED HILLS 2-25-33 003H Red Hills 2-25-33 **RED HILLS** Mid-Continent Original RKB (ft) Current RKB Elevation Water Depth (ft) Ground Elevation (ft) Mud Line Elevation (ft) 3,452.00 3,427.00 3,427.00, 7/9/2014

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SICP: 1800 psi, SIICP: 250 psi, SISCP: 0 psi

Perforate stage #8

PERFORATE 12,685' - 12,540' Avalon Shale

Pressure test lubricator and coil to 250/4000 psi. Good test. Equalize lubricator and open well.

Note: Guns set 7.5" above rams inside lubricator

RIH w/ Cased Hole Solutions TCP ball activated guns to 12,884' pumping .5 bpm w/ CTP= 2800 and WHP= 1800.

Install Cased Hole Solutions ball and PU to 1st shot @ 12,683'. Pump ball @ 3 bpm @ 3400 psi maintaining 1800 psi on WH for 45 bbls and drop rate to 1 bpm to seat ball @ 51 bbls pumped. Ball on seat and coil psi to 5300 and 1st gun shot. SI WH.

PU & Perforate as follows on timer:

12,683' - 12,685'

12,647' - 12,649' 6 minutes 21 gr, 6 spf, 60\* phasing 12,612' - 12,613'6 minutes 21 gr, 6 spf, 60\* phasing 12,576' - 12,577'6 minutes 21 gr, 6 spf, 60\* phasing 12,540' - 12,541'6 minutes 21 gr, 6 spf, 60\* phasing

PU 10' above perfs and pump 55 bbls 2% KCL @ 3.5 bpm @ 2100 psi. Good injection rate.

POOH displacing coil tbg w/ 2% KCl maintaining 1800 psi on WH, all shots fired, 42 total holes.

Bump up into lubricator, SI crown valve and SI UMV. Open crown valve and bleed off into OTT

Break off lubricator and LD Cased Hole Solutions TCP BHA and Old School Tools.

NOTE: All shots fired total 42 shots.

NOTE: Hold RD Safety Meeting before LD TCP BHA.

RD B&C HPPT. NU lubricator back onto crown valve andjet out coil w/ N2. RDMO 2" CTU and all associated equipment...

RU of Frac. E-Line, and Related Vendors.

Report Start Date: 9/8/2014

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**RU Remaining Frac Equipment** 

**RU** Restraints

Prime and Test Lines

(Multiple leaks and iron needed replaced on test)

HSM & PJSA w/ night crews Discuss operations Tenet #8 We always...address abnormal conditions, line of fire, three point contact while climbing or descending, 360 my space, proper lifting procedures.

Pressure test lines to 250/8000 psi. Repaired a couple of hammer uniion leaks. Retest to 250/8000 psi. Good Test

Frac Stage #8 ("Avalon" 12,683'-12,541')

While pumping 40/70 Ottawa 149,000# stage between the 1.25ppg and 1.5 ppg pumping @70 bpm pressure increased to 6900 psi . Cont' to pump staging rate to 45 bpm cutting sand and pump gel sweep. Flush well and shut pumps off.

Shut-in Wellhead PSI = 2250 psi

Breakdown: 5019 psi Max Rate: 71.40 BPM Avg Rate: 69.52 BPM Max Pressure: 7080 psi Ava Pressure:6334 psi Total Prop: 117,290 lbs

40/70 Premium White: 93,460 lbs

100 mesh: 32,830 lbs Max Prop Conc.: 1.43 ppg Water Frac G R: 934.3 bbls Slick Water: 7588 bbls 15% FE Acid: 4000 gal Load To Recover: 8618 bbls

ISIP: 2921 psi 5 min: 2652 psi FG: 74 psi/ft

Discuss frac plans moving forward with engineers

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Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

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SICP: 2350 psi

Perf Stage #9 Avalon Shale F/ 12,503 T/ 12,359'

#### Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998'. Pump down spotting 3000 gal 15% FE HCl and 8,675 gal treated water @ 16 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 12,522'. Line tension 1268 lbs prior to plug set/1,166 lbs after plug set. Pressure up 4350 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

12,502' – 12,503' 6 spf 6 shots 19 gm 60 degree phase 12,466' – 12,467' 6 spf 6 shots 19 gm 60 degree phase 12,431' – 12,432' 6 spf 6 shots 19 gm 60 degree phase 12,395' – 12,397' 6 spf 12 shots 19 gm 60 degree phase 12,359' – 12,361' 6 spf 12 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #9 ("Avalon" 12,502'-12,360')

Shut-in Wellhead PSI = 3500 psi

Breakdown: 4557 psi Max Rate: 70.70 BPM Avg Rate: 58.73 BPM Max Pressure: 7054 psi Avg Pressure:6235 psi Total Prop: 296,250 lbs

40/70 Premium White: 269,410 lbs

100 mesh: 26,940 lbs Max Prop Conc.: 2.25 ppg Water Frac G R:, 2928 bbls Hybor G 430 bbls Slick Water: 4911 bbls 15% FE Acid: 5000 gal

Load To Recover: 8510 bbls ISIP: 2843 psi 5 min: 2583 psi FG: .73 psi/ft

SICP: 2350 psi

Perf Stage #10 Avalon Shale F/ 12,322 T/ 12,178'

#### Open well

RİH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down spotting 3000 gal 15% FE HCl and 8,494 gal treated water @ 16 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 12,341'. Line tension 1268 lbs prior to plug set/1155 lbs after plug set. Pressure up 4350 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

12,321' – 12,323' 6 spf 6 shots 19 gm 60 degree phase 12,285' – 12,287' 6 spf 6 shots 19 gm 60 degree phase 12,250' – 12,251' 6 spf 6 shots 19 gm 60 degree phase 12,214' – 12,215' 6 spf 12 shots 19 gm 60 degree phase 12,178' – 12,179' 6 spf 12 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.

NOTE: Night shift Safety Meeting conducted at 18:00



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | Lease | Field Name | RED HILLS 2-25-33 003H | Red Hills 2-25-33 | RED HILLS | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mi

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Frac Stage #10 ("Avalon" 12,323'-12,178

Altered pump schedule to 5 #/Mgal Linear Gel in lieu of FR resulting in a more efficient friction reduction. This was swapped at 1 ppa 40/70

Shut-in Wellhead PSI = 2208 psi

Breakdown: 4539 psi Max Rate: 74.2 BPM Avg Rate: 61.1 BPM Max Pressure: 7115 psi Avg Pressure: 5935 psi Total Prop: 332,523 lbs

40/70 Premium White: 296,623 lbs

100 mesh: 35,900 lbs Max Prop Conc.: 2.83 ppg Water Frac G R: 3246 bbls Slick Water: 4531 bbls 15% FE Acid: 5000 gal Load To Recover: 8350 bbls

ISIP: 2971 psi 5 min: 2565 psi FG: .75 psi/ft

NU and test lube 5,000 psi. Begin RIH to Perf Stage 11 ("Avalon" 12,142' - 11,997')

Continued into next reporting day.

WHP: 2300 psi

Report Start Date: 9/9/2014

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SICP: 2000 psi

Perf Stage #11 Avalon Shale F/ 12,142 T/ 11,997'

#### Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998'. Pump down spotting 3000 gal 15% FE HCl and 10,020 gal treated water @ 16 bpm @ 175 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 12,160'. Line tension 1178 lbs prior to plug set/1108 lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 2 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

12,140' - 12,142' 6 spf 12,104' - 12,106' 6 spf 12,069' - 12,070' 6 spf 12,033' - 12,034' 6 spf 11,997' - 11,998' 6 spf 12 shots 19 gm 60 degree phase 6 shots 19 gm 60 degree phase 19 gm 60 degree phase 19 gm 60 degree phase 19 gm 60 degree phase 19 gm 60 degree phase 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | Lease | Field Name | RED HILLS 2-25-33 003H | Red Hills 2-25-33 | RED HILLS | Mid-Continent | Mid-Continent | Mud Line Elevation (ft) | 3,452.00 | 3,427.00, 7/9/2014 | Mid-Continent | Mud Line Elevation (ft) | Water Depth (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line Elevation (ft) | Mud Line

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Frac Stage #11 ("Avalon" 12,142'-11,997')

Altered pump schedule to 5 #/Mgal Linear Gel in lieu of FR resulting in a more efficient friction reduction.

Shut-in Wellhead PSI = 2282 psi

Breakdown: 4455 psi Max Rate: 66.6 BPM Avg Rate: 664.63 BPM Max Pressure: 6818 psi Avg Pressure: 5535 psi Total Prop: 403.425 lbs

40/70 Premium White: 373,785 lbs

100 mesh: 29,640 lbs Max Prop Conc.: 3.52 ppg

Water Frac G R 5#/Mgal: 5197 bbls Water Frac G R 10#/Mgal: 2677 bbls

Slick Water: 903 bbls 15% FE Acid: 5000 gal Load To Recover: 9436 bbls

ISIP: 3229 psi 5 min: 2710 psi FG: .77 psi/ft

SICP: 2400 psi

Perf Stage #12 Avalon Shale F/ 11,961 T/ 11,816'

Open wel

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down spotting 3000 gal 15% FE HCl and 9718 gal treated water @ 16 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 11,953'. Line tension 1180 lbs prior to plug set/1090 lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 2 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

 11,959' - 11,961'
 6 spf
 12 shots
 19 gm
 60 degree phase

 11,923' - 11,925'
 6 spf
 12 shots
 19 gm
 60 degree phase

 11,888' - 11,889'
 6 spf
 6 shots
 19 gm
 60 degree phase

 11,852' - 11,853'
 6 spf
 6 shots
 19 gm
 60 degree phase

 11,816' - 11,817'
 6 spf
 6 shots
 19 gm
 60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #12 ("Avalon" 11,961'-11,816')

Shut-in Wellhead PSI = 2340 psi

Breakdown: 3511 psi Max Rate: 79.79 BPM Avg Rate: 74.23 BPM Max Pressure: 6874 psi Avg Pressure: 5796 psi Total Prop: 275,029 lbs

40/70 Premium White: 247,330 lbs

100 mesh: 27,640 lbs Max Prop Conc.: 2.81 ppg Water Frac G R 15#/Mgal: 51 bbls Water Frac G R 10#/Mgal: 915 bbls Hybor G 10# 382 bbls

Hybor G 10# 382 bbls
Hybor G 15# 51 bbls
Slick Water: 5342 bbls
15% FE Acid: 5000 gal
Load To Recover: 7354 bbls

ISIP: 3511 psi 5 min: 2858 psi FG: .80 psi/ft



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Field Name **Business Unit** RED HILLS 2-25-33 003H Red Hills 2-25-33 RED HILLS Mid-Continent Original RKB (ft) Current RKB Elevation Mud Line Elevation (ft) Water Depth (ft) Ground Elevation (ft) 3,452.00 3,427.00 3,427.00, 7/9/2014

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SICP: 2300 psi

Perf Stage #13 Avalon Shale F/ 11,779 T/ 11,635'

#### Open well

RİH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down spotting 2000 gal 15% FE HCl and 9718 gal treated water @ 16 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 11,795'. Line tension 1125 lbs prior to plug set/1080 lbs after plug set. Pressure up 4300 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

11,778' - 11,780' 6 spf 12 shots 19 gm 60 degree phase 11,742' - 11,744' 6 spf 12 shots 19 gm 60 degree phase 11,707' - 11708' 6 spf 6 shots 19 gm 60 degree phase 11,671' - 11,672' 6 spf 6 shots 19 gm 60 degree phase 19 gm 60 degree phase 11,635' - 11,636' 6 spf 6 shots

POOH, all shots fired, 42 total holes.

#### Frac Stage #13 ("Avalon" 11,779'-11,635')

During stage 13 while pumping 1ppg - 1.25 ppg 40/70 sand concentration jumped (sand screws malfunctioned) to 2.25 ppg for 4 minutes and in effect caused tight formation pressure spike. Attempt to flush w/ 10# and 5 # linear and FR water and rate changes. Had to cut stage short (111,470 lbs total sand). Sand should have been 300,000 lbs.

Shut-in Wellhead PSI = 2340 psi

Breakdown: 4759 psi Max Rate: 77.68 BPM Avg Rate: 74,49 BPM Max Pressure: 7063 psi Ava Pressure:5975 psi Total Prop: 111,470 lbs

40/70 Premium White: 82,450 lbs 100 mesh: 29,020 lbs Max Prop Conc.: 2.81 ppg

Water Frac G R 5#/Mgal: 558 bbls

Water Frac G R 10#/Mgal: 674 bbls

Hybor G 10# 373 bbls Hybor G 15# 51 bbls Slick Water: 4141 bbls 15% FE Acid: 3000 gal Load To Recover: 5816 bbls

ISIP: 3197 psi 5 min: N/A FG: .76 psi/ft



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | Lease | Field Name | Business Unit | RED HILLS 2-25-33 003H | Red Hills 2-25-33 | RED HILLS | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mi

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SICP: 2600 psi

Perf Stage #14 Avalon Shale F/ 11,599' T/ 11,454'

#### Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down spotting 2000 gal 15% FE HCl and 9718 gal treated water @ 14 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 1617'. Line tension 1205 lbs prior to plug set/1140lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

11,597' - 11,599' 6 spf 12 shots 19 gm 60 degree phase 11,561' - 11,563' 6 spf 12 shots 19 gm 60 degree phase 11,526' - 11,527' 6 spf 6 shots 19 gm 60 degree phase 11,490' - 11,491' 6 spf 6 shots 19 gm 60 degree phase 11,454' - 11,455' 6 spf 6 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #14 ("Avalon" 11,454'-11,599')

Shut-in Wellhead PSI = 2,255 psi

Breakdown: 4,812 psi Max Rate: 75 BPM Avg Rate: 76 BPM Max Pressure: 6,894 psi Avg Pressure: 5,303 psi Total Prop: 371,750 lbs

40/70 Premium White: 345,510 lbs

100 mesh: 26,240 lbs Max Prop Conc.: 3.1 ppg

Water Frac G R 5#/Mgal: 511 bbls Water Frac G R 10#/Mgal: 5,025 bbls

Hybor G 10# 471 bbls Hybor G 15# 0 bbls Slick Water: 2,523 bbls 15% FE Acid: 48 bbls Load To Recover: 8,578 bbls

ISIP: 3,075 psi 5 min: 2,717 FG: .75 psi/ft

SICP: 2600 psi

Perf Stage #15 Avalon Shale F/ 11,418' T/ 11,273'

#### Open well

RİH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down spotting 2000 gal 15% FE HCl and 9718 gal treated water @ 14 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 11,436'. Line tension 1,234 lbs prior to plug set/1,134lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

11,416' - 11,418' 6 spf 12 shots 19 gm 60 degree phase 11,380' - 11,382' 6 spf 12 shots 19 gm 60 degree phase 11,345' - 11,346' 6 spf 6 shots 19 gm 60 degree phase 11,309' - 11,310' 6 spf 6 shots 19 gm 60 degree phase 11,273' - 11,274' 6 spf 6 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

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Well shut in due to waiting on 2 frac pumps to show up to ensure enough horespower on location to complete stage. Also had to wait on Blender to be fixd on location.

Report Start Date: 9/10/2014

Frac Stage #15 ("Avalon" 11,273'-11,418')

Shut-in Wellhead PSI = 2,255 psi

Breakdown: 5982 psi Max Rate: 68.4 BPM Avg Rate: 64.2 BPM Max Pressure: 6737 psi Avg Pressure: 5644 psi Total Prop: 455,076 lbs

40/70 Premium White: 431,190 lbs

100 mesh: 23,840 lbs Max Prop Conc.: 3.58 ppg Water Frac G 10#/Mgal: 5154 bbls

Hybor G 10# 468bbls Slick Water: 4011 bbls

Slick Water: 4011 bbls 15% FE Acid:48 bbls Load To Recover: 9681 bbls

ISIP: 2960 psi 5 min: 2,728 FG: .74 psi/ft

Shut down because of Hyd hose busted on pump down blender, wait on new hose

PJSM w/ Hal frac crew and associated business partners. Go over Tenet, Hazards, JSA's/hazard mitigations. Review muster points, use of SWA.

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.

SICP: 2600 psi

Perf Stage #16 Avalon Shale F/ 11,092' T/ 11,237'

Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 8400 gal treated water @ 14 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 11,257'. Line tension 1,290 lbs prior to plug set/1,200lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 2 bpm. SD pumps.

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Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

11,235' - 11,237' 6 spf 12 shots 19 gm 60 degree phase 11,199' - 11,105' 6 spf 6 shots 19 gm 60 degree phase 11,128' - 11,129' 6 spf 6 shots 19 gm 60 degree phase 11,092' - 11,093' 6 spf 6 shots 19 gm 60 degree phase 11,092' - 11,093' 6 spf 6 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

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Frac Stage #16 ("Avalon" 11,092'-11237')

Shut-in Wellhead PSI = 2,330 psi

Breakdown: 6029 psi Max Rate: 65.8 BPM Avg Rate: 64.9 BPM Max Pressure: 6995 psi Avg Pressure: 5670 psi Total Prop: 349,836 lbs

40/70 Premium White: 323,587 lbs

100 mesh: 26,249 lbs Max Prop Conc.: 2.57 ppg

Water Frac G 10#/Mgal: 3196 bbls

Hybor G R 15#: 799 bbls Slick Water: 4767 bbls 15% FE Acid: 48 bbls Load To Recover: 8810 bbls

ISIP: 3118 psi 5 min: 2837 FG: .76 psi/ft

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.

SICP: 2300 psi

Perf Stage #17 Avalon Shale F/ 10911'- T/ 11,056'

Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 1000 gal FE HCl followed by 8585 gal treated water @ 14 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 11,074'. Line tension 1,088 lbs prior to plug set/1,059 lbs after plug set. Pressure up 3945 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

11,054' – 11,056' 6 spf 11,018' – 11,020' 6 spf 10,983' – 10,984' 6 spf 10,947' – 10,948' 6 spf 10,911' – 10,912' 6 spf 10,911' – 10,912' 6 spf 10,911' – 10,912' 6 spf 10,911' – 10,912' 6 spf 10,911' – 10,912' 6 spf 10,911' – 10,912' 6 spf 10,911' – 10,912' 6 spf 10,911' – 10,912' 6 spf 11,015' 19 gm 12 shots 12 shots 19 gm 19 gm 19 de degree phase 19 gm 19 gm 19 degree phase 19 gm 19 degree phase 19 gm 19 degree phase 19 gm 19 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #17 ("Avalon" 10,911'-11,056)

Shut-in Wellhead PSI = 2,330 psi

Breakdown: 4770 psi Max Rate: 65.8 BPM Avg Rate: 64.6 BPM Max Pressure: 6847 psi Avg Pressure: 5615 psi Total Prop: 349,661 lbs

40/70 Premium White: 329,867 lbs

100 mesh: 19,794 lbs Max Prop Conc.: 2.48 ppg

Water Frac G 10#/Mgal: 3413 bbls

Hybor G R 15# : 468 bbls Slick Water: 4850 bbls 15% FE Acid: 52 bbls Load To Recover: 8784 bbls

ISIP: 3215 psi 5 min: 2758 FG: .77 psi/ft

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.

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Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | Lease | Field Name | Business Unit | RED HILLS 2-25-33 003H | Red Hills 2-25-33 | RED HILLS | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mi

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SICP: 2350 psi

Perf Stage #18 Avalon Shale F/ 10730'- T/ 10875'

Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 1000 gal 15% FE HCI followed by 8565 gal treated water @ 14 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 10,893'. Line tension 1,094 lbs prior to plug set/1,062 lbs after plug set. Pressure up 4045 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

	10,873'-10875'	6 enf	12 chote	10 am	60 degree phase
i	10837'-10839'	6 spf	12 shots	19 gm	60 degree phase
	10802'-10803'	6 spf	6 shots	19 gm	60 degree phase
	10766'-10767'	6 spf	6 shots	19 gm	60 degree phase
l	10730'-10731'	6 spf	6 shots	19 gm	60 degree phase

POOH, all shots fired, 42 total holes.

Operations suspended.

Put a repair kit in the flow meter on the downhole blender.

Note: Night shift safety meeting 18:00

Frac Stage #18 Avalon Shale F/ 10730'- T/ 10875'

Cut stage short due to pressuring out twice. Well was flushed successfully.

Shut-in Wellhead PSI = 2,200 psi

Breakdown: 6315 psi Max Rate: 65.8 BPM Avg Rate: 65.8 BPM Max Pressure: 6916 psi Avg Pressure: 5903 psi Total Prop: 187,640 lbs

40/70 Premium White: 158,960 lbs

100 mesh: 28,680 lbs Max Prop Conc.: 1.71 ppg

Water Frac G 10#/Mgal: 3764 bbls

Slick Water: 3291 bbls 15% FE Acid: 52.3 bbls Load To Recover: 7586 bbls

ISIP: 3459 psi 5 min: 2815 FG: .79 psi/ft

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

- 1					
П	Well Name	Lease	Field Name	Business Unit	
	RED HILLS 2-25-33 003H	Red Hills 2-25-33	RED HILLS	Mid-Continent	
1	Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation		Mud Line Elevation (ft) Water Depth (ft)	
1	3,452.00 3,427.0	3,427.00, 7/9/2014			

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SICP: 2400 psi

Perf Stage #19 Avalon Shale F/ 10,549'- T/ 10694'

Open well

RİH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 2000 gal 15% FE HCl followed by 8190 gal treated water @ 14 bpm @ 200 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 10,709'. Line tension 1,080 lbs prior to plug set/1,040 lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 2 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

Perforate as follows:

 10692' - 10694'
 6 spf
 12 shots
 19 gm
 60 degree phase

 10656' - 10658'
 6 spf
 12 shots
 19 gm
 60 degree phase

 10621' - 10622'
 6 spf
 6 shots
 19 gm
 60 degree phase

 10585' - 10586'
 6 spf
 6 shots
 19 gm
 60 degree phase

 10549' - 10550'
 6 spf
 6 shots
 19 gm
 60 degree phase

 6 shots
 19 gm
 60 degree phase

 6 shots
 19 gm
 60 degree phase

POOH at time of report.

Report Start Date: 9/11/2014

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POOH on Stage 19 Perf, continued from previous day's report.

WHP: 2400 psi

Frac Stage #19 Avalon Shale F/ 10,549'- T/ 10694'

Extended Stage to make up sand not pumped on stage 18

Shut-in Wellhead PSI = 2,400 psi

Breakdown: 6746 psi Max Rate: 61.2 BPM Avg Rate: 58.8 BPM Max Pressure: 6984 psi Avg Pressure: 5665 psi Total Prop: 395,670 lbs

40/70 Premium White: 371,320 lbs

100 mesh: 24,350 lbs Max Prop Conc.: 2.33 ppa

Water Frac G 10#/Mgal: 7828 bbls

Slick Water: 1206 bbls 15% FE Acid: 23.8 bbls Load To Recover: 9,519 bbls

ISIP: 3458 psi 5 min: 2891 FG: .79 psi/ft

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.

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Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

 Well Name
 Lease
 Field Name
 Business Unit

 RED HILLS 2-25-33 003H
 Red Hills 2-25-33
 RED HILLS
 Mid-Continent

 Ground Elevation (ft) 3,452.00
 Original RKB (ft) 3,427.00
 Current RKB Elevation (ft) 3,427.00
 Mud Line Elevation (ft) Water Depth (ft)

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SICP: 2600 psi

Perf Stage #20 10368'-10513'

Open well

RİH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 2000 gal 15% FE HCl followed by 8820 gal treated water @ 14 bpm @ 215 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 10,531'. Line tension 1,020 lbs prior to plug set/1,020 bs after plug set. Pressure up 4000 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

10,511'-10,513' 6 spf 12 shots 19 gm 60 degree phase 10,475'-10,477' 6 spf 12 shots 19 gm 60 degree phase 10,440 - 10,441' 6 spf 6 shots 19 gm 60 degree phase 10,404'-10405' 6 spf 6 shots 19 gm 60 degree phase 10,368'-10369' 6 spf 6 shots 19 gm 60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #20 (Avalon f/ 10368'-10513')

Shut-in Wellhead PSI = 2426 psi

Breakdown: 5911 psi Max Rate: 67.3 BPM Avg Rate: 67 BPM Max Pressure: 6917 psi Avg Pressure: 5809 psi Total Prop: 145,692 lbs

40/70 Premium White: 113,127 lbs

100 mesh: 32,564 lbs Max Prop Conc.: 1.47 ppg Water Frac G 10#/Mgal: 937 bbls Hybor G R 15#: 361 bbls Slick Water: 5897 bbls 15% FE Acid: 48 bbls

Load To Recover: 7220 bbls ISIP: 3485 psi 5 min: 2976 FG: .80 psi/ft

T-belt disabled during 1.25-1.50 ppg sand and lost one pump. Pressure started to climb. Flushed well with gell sweep, sent 500 bbl 1.25 ppg slug downhole, pressure increase from 5800 psi to 7000 psi when sand hit formation. Called flush afterwards. 42% of stage proppant in formation.

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

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SICP: 2510 psi

Perf Stage #21 F/10187'-10332'

#### Open well

RİH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 2000 gal 15% FE HCl followed by 8635 gal treated water @ 14 bpm @ 215 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 10,350'. Line tension 1,067 lbs prior to plug set/1,015lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 3 bpm. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

 10330' - 10332'
 6 spf
 12 shots
 19 gm
 60 degree phase

 10294' - 10296'
 6 spf
 12 shots
 19 gm
 60 degree phase

 10259' - 10260'
 6 spf
 6 shots
 19 gm
 60 degree phase

 10223' - 10224'
 6 spf
 6 shots
 19 gm
 60 degree phase

 10187' - 10188'
 6 spf
 6 shots
 19 gm
 60 degree phase

POOH, all shots fired, 42 total holes.

#### Repairing HAL equipment, T-belt and changing out TCC.

Frac Stage #21 (Avalon f/ 10187' - 10332')

Shut-in Wellhead PSI = psi Breakdown: 4295 psi Max Rate: 66.4 BPM Avg Rate: 65.9 BPM Max Pressure: 6576 psi Avg Pressure: 5536 psi Total Prop: 347,971 lbs

40/70 Premium White: 321,156 lbs

100 mesh: 26,815 lbs Max Prop Conc.: 2.53 ppg

Water Frac G 10#/Mgal: 3200 bbls

Hybor G 10# :1063 bbls Slick Water: 4882 bbls 15% FE Acid: 48 bbls Load To Recover: 9192 bbls

ISIP: 3035 psi 5 min: 2773 FG: .75 psi/ft

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Com

SICP: 2620 psi

Perf Stage #22 f/10006' - 10151'

Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 2000 gal 15% FE HCl followed by 8479 gal treated water @ 14 bpm @ 215 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 10173'. Line tension 1012 lbs prior to plug set/1012 lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 3 bpm at 5516 psi. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

 10149' - 10151'
 6 spf
 12 shots
 19 gm
 60 degree phase

 10113' - 10115'
 6 spf
 12 shots
 19 gm
 60 degree phase

 10078' - 10079'
 6 spf
 6 shots
 19 gm
 60 degree phase

 10042' - 10043'
 6 spf
 6 shots
 19 gm
 60 degree phase

 10006' - 10007'
 6 spf
 6 shots
 19 gm
 60 degree phase

 6 shots
 19 gm
 60 degree phase

 6 shots
 19 gm
 60 degree phase

POOH, all shots fired, 42 total holes.

NOTE: Night shift safety meeting held at 18:00

Couldn't RD WL due to lightning and high winds.

Frac Stage #22 f/10006' - 10151'

Shut-in Wellhead PSI = 2380 psi

Breakdown: 4988 psi Max Rate: 67.9 BPM Avg Rate: 64.9 BPM Max Pressure: 5997 psi Avg Pressure: 5264 psi Total Prop: 347,250 lbs

40/70 Premium White: 318,910 lbs

100 mesh: 28,340 lbs Max Prop Conc.: 2.49 ppg

Water Frac G 10#/Mgal: 3346 bbls

Hybor G 10#: 462 bbls Slick Water: 4748 bbls 15% FE Acid: 76 bbls Load To Recover: 8632 bbls

ISIP: 3127 psi 5 min: 2831 FG: .76 psi/ft

Arm guns, P/U M/U lubricator and test to 4500 psi. Pressure test good.

RIH to begin Stage 23 Perf, Continued into next reporting day,

WHP: 2400 psi

Report Start Date: 9/12/2014



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | Lease | Field Name | Business Unit | RED HILLS 2-25-33 003H | Red Hills 2-25-33 | RED HILLS | Mid-Continent | Ground Elevation (ft) | Original RKB (ft) | Current RKB Elevation | Ground Elevation | 3,452.00 | 3,427.00 | 3,427.00 | 3,427.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4,27.00 | 4

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SICP: 2450 psi

Perf Stage #23 f/9825' - 9968'

#### Open well

RIH, get on depth w/ CCL and short joint @ 8,987'-8,998' . Pump down 2000 gal 15% FE HCl followed by 8119 gal treated water @ 14 bpm @ 215 fpm. Set Halliburton 4.375" Obsidian 8K caged ball frac plug @ 9988'. Line tension 1120 lbs prior to plug set/1030 lbs after plug set. Pressure up 4000 psi. P/U and perf pumping 3 bpm at 5245 psi. SD pumps.

Gun assy: Baker 20 setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 19 gm, GEO-Dynamics-Basix.

#### Perforate as follows:

9968' - 9970'	6 spf	12 shots	19 gm	60 degree phase
9932' - 9934'	6 spf	12 shots	19 gm	60 degree phase
9897' - 9898'	6 spf	6 shots	19 gm	60 degree phase
9861' - 9862'	6 spf	6 shots	19 gm	60 degree phase
9825' - 9826'	6 spf	6 shots	19 gm	60 degree phase

POOH, all shots fired, 42 total holes.

Frac Stage #23 f/9825' - 9968'

Shut-in Wellhead PSI = 2500 psi

Breakdown: 5670 psi Max Rate: 66.5 BPM Avg Rate: 62.8 BPM Max Pressure: 6114 psi Avg Pressure: 5505 psi Total Prop: 325,395 lbs

40/70 Premium White: 297,585 lbs

100 mesh: 27,810 lbs Max Prop Conc.: 2.65 ppg Water Frac G 10#/Mgal: 3071 bbls

Hybor G 10# : 382 bbls Slick Water: 5133 bbls 15% FE Acid: 90.47 bbls Load To Recover: 8677 bbls

ISIP: 3438 psi 5 min: 2846 FG: .79 psi/ft

All designed frac and perf ops completed.

RDMO HAL Frac, Cased Hole E-Line, Baker Petrolite, OTG restraints and all related equipment. WW Wireline ND Crown Valve and Goat Head. NU Crown Valve back onto Flow cross. OTG clean and PU containment.

NOTE: 06:00 hrs HSM and PJSA w/ HES, OTG, B&C, WW Wireline for RD.

Discuss Scope of Job, SWA, TIF, ERP, Tenet #2 We always...operate in a safe and controlled condition, pinch points, no spill policy, communication, over-head loads, three point contact when climbing or descending, proper lifting techniques and devices, spotters while backing and wet weather hazards.

OTG spot containment for Baker CTU and fluid pumps, Chem Coil fluid mixing unit. MI spot B&C crane, Baker 2" CTU, Fluid pumps. NU CT flange and CT BOPE onto crown valve. MIRU Coil Chem chemical mixing unit and BK transfer pumps.

Note: Night Shift Safety Meeting held at 21:00



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | Lease | RED HILLS 2-25-33 003H | Red Hills 2-25-33 | RED HILLS | RED HILLS | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid-Continent | Mid

Com

Install Baker CT connector and pull test to 20K lb and 25K. M/U BHA as follows:

Length OD ID Description 1.34 2.88 1.5 2" CT Connector 1.94 2.88 Dual BPV 1 0.9 6.45 2.88 Global Jars 2.02 2.88 0.656 Hydraulic Disconnect Dual Circulating Sub 1.37 2.88 0.56

5.14 2.88 - Hydro Pull (Agitator) 10.60 2.88 - XTREME Motor

1.0 3.68 - XO 2-3/8"PAC X 2-7/8" REG B

1.5 4.625 - NOV Shredder Bit

Surface test motor to 2.5 bpm at 3,300 psi.

Report Start Date: 9/13/2014

Com

Pressure Test Coil, BOPs, and Surface Iron 250 psi low, 8500 psi high.

Test Successful

Equalize to WH and TIH With D/O BHA

WHP: 2157 psi CTP: 2152

Pump Rate: .25 bbl/min Returns: .25 bbl/min Reel Speed: 100 ft/min Perform Weight Check at 6000'

TIH to KOP at 9036' and increase pump rate to 2.8 bpm

Cont'TIH to Plug #1

Send 10 bbl dyed gel sweep

WHP: 2113 psi CTP: 4087 psi

Pump Rate: 2.8 bbl/min Returns: 3.2 bbl/min Reel Speed: 50 ft/min

WHP: 2090 psi CTP: 4417 psi Pump Rate: 2.8 bbl/min Returns: 3.3 bbl/min

2:31 Tag Plug #1 9,988' DO in 15 minutes 2:45 Tag Plug #2 10,324' DO in 12 minutes

3:18 Tag Plug #3

Sent 10 bbls dyed gel sweep after each plug. Encountered sand just before plug #3.

Short Trip to KOP at 9036'

WHP: 1928 psi CTP: 3739 psi Pump Rate: 2.8 bbl/min Returns: 3.3 bbl/min Reel Speed: 50 ft/min

Began retrieving sweeps on schedule. Encountered heavy sand. Gel Sweep came out of coil when tagging plug #3. Pull up from 10,350' to 8,993' and perform BTM up w/ gel sweep.

RBIH to plug #3



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Com

WHP: 1980 psi CTP: 4170 psi

Pump Rate: 2.8 bbl/min Returns: 3.2 bbl/min

6:40 Tag Plug #3 7:06 Tag Plug #4

10,350' DO in 13 minutes 10,531' DO in 45 minutes

7:53 Tag Plug #5 10,709'

Sent 10 bbls dyed gel sweep after each plug. Encountered sand just before plug #5.

NOTE: 06:00 HSM & PJSA w/ day crews for CT ops

Short Trip to KOP at 9036'

WHP: 1965 psi CTP: 3650 psi Pump Rate: 2.8 b

Pump Rate: 2.8 bbl/min Returns: 3.2 bbl/min Reel Speed: 50 ft/min

All sweeps on schedule. Encountered medium sand. Send 10 bbl gel sweep after tagging plug #5. Pull up from 10,709' to 8,993' and perform BTM up w/ gel sweep.

RBIH to plug #5 @ 10,709'

WHP: 1951 psi CTP: 4050 psi Pump Rate: 2.8 bbl/min

Returns: 3.2 bbl/min

 10:30
 Tag Plug #5
 10,350' DO in 3 minutes

 10:36
 Tag Plug #6
 10,893' DO in 8 minutes

 11:23
 Tag Plug #7
 11,074' DO in 10 minutes

 12:03
 Tag Plug #8
 11,257' DO in 5 minutes

12:54 Tag Plug #9 11,436'

Sent 10 bbls dyed gel sweep after each plug. Encountered medium sand just before plug #7. Medium sand before #9. Begin short trip.

Short Trip to KOP at 9036'

WHP: 1860 psi CTP: 3950 psi Pump Rate: 2.8 bbl/min

Returns: 3.2 bbl/min Reel Speed: 50 ft/min

All sweeps on schedule. Encountered medium sand. Send 10 bbl gel sweep after tagging plug #9. Pull up from 11,436' to 9,036' and perform BTM up w/ gel sweep.

Change out Baker fluid pump while maintaining pump rate w/ 1 pump.

RBIH to plug #9 @ 11,436'



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

| Well Name | Lease | Field Name | RED HILLS 2-25-33 003H | Red Hills 2-25-33 | RED HILLS | RED HILLS | Mid-Continent | Original RKB (ft) | Ourrent RKB Elevation | 3,452.00 | 3,427.00 | 3,427.00 | 7/9/2014 | Water Depth (ft) | Water Depth (ft) | Water Depth (ft) | Water Depth (ft) | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent | Continent

Com

WHP: 2045 psi CTP: 4400 psi

Pump Rate: 2.8 bbl/min Returns: 3.2 bbl/min

17:04 Tag Plug #9 11.436' DO in 27 minutes 17:35 Tag Plug #10 11,617' DO in 21 minutes 17:40 Tag Plug #11 11,795' DO in 5 minutes 18:24 Tag Plug #12 11,979' DO in 6 minutes Tag Plug #13 12,160' DO in 13 minutes 19:23 20:00 Tag Plug #14 12,341' DO in 12 minutes Tag Plug #15 12,522' 20:45

Sent 10 bbls dyed gel sweep after each plug. Encountered medium sand just before plug 15. Spot 10 bbl sweep to EOT, 21:15 Begin short trip.

Short Trip to KOP at 9036'

WHP: 1822 psi CTP: 4000 psi Pump Rate: 2.8 bbl/min Returns: 3.2 bbl/min Reel Speed: 50 ft/min

All sweeps on schedule. Encountered medium sand. Send 10 bbl gel sweep after tagging plug #15. Pull up from 12,522' to 9,036' and perform BTM up w/ gel sweep.

\*\*\*Performing bottoms up at time of report at 9036'\*\*\*

Report Start Date: 9/14/2014

Com

RIH to Plug #15 at 12,522'

WHP: 2080 psi CTP: 4450 psi

Pump Rate: 2.8 bbl/min Returns: 3.2 bbl/min

WHP: 1974 psi CTP: 4068 psi Pump Rate: 2.8 bbl/min Returns: 3.2 bbl/min

01:00 Tag Plug #15 12,522' DO in 15 minutes 02:17 Tag Plug #16 12,884' DO in 25 minutes 03:10 Tag Plug #17 13,065' DO in 20 minutes 04:11 Tag Plug #18 13,250' DO in 21 minutes 05:30 Tag Plug #19 13,427' DO in 25 minutes 07:30 Tag Plug #20 13,608 DO in 25 minutes

08:30 Wash sand down toTag LC 13,960' heavy sand on returns send 10 bbls gel sweep /20 bbl spacer /10 bbls gel sweep.

Sent 10 bbls dyed gel sweep after each plug. Encountered medium sand just before plug #19. Medium sand before #20. Wash sand to LC at 13,960' Spot 10/20/10 bbl gel sweep at EOT @ 09:30 hrs

POOH from LC @ 13,960'

WHP: 1800 psi CTP: 4500 psi Pump Rate: 2.8 bbl/min Returns: 3.2 bbl/min

POOH through the lateral @ 40 fpm. Increase speed at vertical section KOP @ 9,036'

Encountered heavy sands on returns while POOH just before sweeps then cleaned up WH dropped to 1000 psi during sand and back up to 2000 psi when cleaned up. Cont' POOH. Bump up and cycle crown valve and SI UMV. Open and bleed coil to OTT.

SICP: 2100



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

 Well Name
 Lease
 Field Name
 Business Unit

 RED HILLS 2-25-33 003H
 Red Hills 2-25-33
 RED HILLS
 Mid-Continent

 Ground Elevation (ft)
 Original RKB (ft)
 Current RKB Elevation
 Mud Line Elevation (ft)
 Water Depth (ft)

 3,452.00
 3,427.00, 7/9/2014
 Mud Line Elevation (ft)
 Water Depth (ft)

Com

Hold LD BHA and RD safety meeting, discuss trapped pressure, pinch points, proper manlift procedures, suspended loads, proper lifting procedures, communication.

LD Baker Tools CT D/O BHA and NOV 4.625" Shredder Bit. MU lubricator on BOPE.

Jet out coil. LD lubricator and injector head. ND CT flange and BOPE. NU night-cap onto crown valve. RDMO 2" CTU and all related equipment.

NOTE: Stone hydrovac sand from OTT. Night time safety meeting held at 18:00

OW to Flowback at 12/64 Choke

WHP: 2100 psi Rate: .9 bbl/min

Will update at 6 a.m./6p.m. Changing choke sizes 2/64 every six hours.

Report Start Date: 9/15/2014

Com

FCP: 2150 SIICP: 0 SISCP: 0

Flowing well @ 20:00 9-14-14 - 02:00 09-15-14 12/64 Flowing well @ 02:00 9-15-14 - 06;00 09-15-14 14/64

Initial LTR 183,720 bbls Beginning psi 2200 Ending psi 2150 Last BOWPH 65 Last BOOPH 0 bbls Gas rate mcf N/A Water density N/A Oil Density N/A Chlorides 50,000 ppm

Total Water Recovered 1667 bbls
Total Oil Recovered 0 bbls

TLR 1667 bbls TLLR 182,054 bbls

FCP: 1900, SIICP: "0", SISCP: "0"

Flowing well on a 18/64 choke increasing 2 choke sizes every 6 hrs.

09:00 16/64 Choke 15:00 18/64 Choke

Initial LTR 183,720 bbls Beginning psi 2000 Ending psi 1900 Last BOWPH 0 bbl Last BOOPH 0 bbls Gas rate mcf N/A Water density N/A Oil Density N/A Chlorides 21,000 ppm

Total Water Recovered 2709.8 bbls Total Oil Recovered 0 bbls

TLR 2709.8 bbls TLLR 181,010.2 bbls



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Com

FCP: 1850, SIICP: "0", SISCP: "0"

Flowing well on a 20/64 choke increasing 2 choke sizes every 6 hrs.

21:00 20/64 Choke 130 BBL/HR

Initial LTR 183,720 bbls Beginning psi 2000 Ending psi 1850 Last BOWPH 0 bbl Last BOOPH 0 bbls Gas rate mcf N/A Water density N/A Oil Density N/A Chlorides 21,000 ppm

Total Water Recovered 3,300 bbls Total Oil Recovered 0 bbls

TLR 3,300 bbls TLLR 180,421 bbls

Report Start Date: 9/16/2014

Com

FCP: 1850, SIICP: 0, SISCP: 0 Flowing well on a 20/64 choke

00:00 - 03:00 20/64 Choke 130 BBL/HR

Initial LTR 183,720 bbls Beginning psi 2000 Ending psi 1850 Last BOWPH 0 bbl Last BOOPH 0 bbls Gas rate mcf N/A Water density N/A Oil Density N/A Chlorides 21,000 ppm

Total Water Recovered 3,776 bbls
Total Oil Recovered 0 bbls

TLR 3,776 bbls TLLR 180,179,744 bbls

FCP: 1750, SIICP: 0, SISCP: 0 Flowing well on a 22/64 choke

03:00-00:00 22/64 Choke 153 BBL/HR

Initial LTR 183,720 bbls Beginning psi 2000 Ending psi 1750 Last BOWPH 0 bbl Last BOOPH 0 bbls Gas rate mcf N/A Water density N/A Oil Density N/A Chlorides 22,000 ppm

Total Water Recovered 6,881 bbls Total Oil Recovered 0 bbls

TLR 6,881 bbls TLLR 176,838 bbls

Report Start Date: 9/17/2014



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Report Printed: 3/9/2015

Com

Com

FCP: 1700, SIICP: 0, SISCP: 0 Flowing well on a 22/64 choke

00:00 - 06:00 22/64 Choke 153 BBL/HR

Initial LTR 183,720 bbls
Beginning psi 2000
Ending psi 1700
Last BOWPH 0 bbl
Last BOOPH 0 bbls
Gas rate mcf N/A
Water density N/A
Oil Density N/A
Chlorides 22,000 ppm

Total Water Recovered 7,972 bbls Total Oil Recovered 0 bbls

TLR 7,972 bbls TLLR 175,748 bbls

RD Fesco Flow back MOL.
OTG Cleaning containment matts
Moving frac tanks off location
WSI W/ 2000 PSI

Report Start Date: 9/18/2014

No Activity, WSI 2000 PSI

MI, Petroplex, Casedhole Solutions

Safety Meeting

Spot E-Line, RU Petroplex, Test lines 5000 PSI

Pump 220 BBL Fresh water to top perfs

RU Casedhole, test lub. to 3500 PSI

Ran 4.62 OD gauge run to 9070'

POOH LD Gauge BHA

PU Production Packer/Weatherford AS1X

Test Lub. to 3500 PSI, RIH Set middle element @ 8975' POOH

Top of X profile nipple/O&O Tool 8970.69'

вна	ID	OD	Length	
X nipple O/O to AS1X Packer Pup Jt XN Nipple 2.875 Collar Pup Jt Pump out	2.44 2.44 2.31 2.44 2.44 2.44	2.31 4.50 2.875 2.875 3.680 2.875 2.875	2.875 7.00 5.71 .85 .45 3.71	1.31
Total			19.93	

Pump Out Set (3 pins) @ or around 3284 PSI

RD Casedhole MOL

Negative test OK, 0 PSI, no flow

Start nipple Down

ND Frac stack/Set BPV/Torque cap

All Eqipment released

WSI/Monitor Pressure

Report Start Date: 9/19/2014

Com

WELL SI NO ACTIVITY

CREW TRAVEL TO LOCATION



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Field Name Business Uni RED HILLS 2-25-33 003H Red Hills 2-25-33 **RED HILLS** Mid-Continent Original RKB (ft) Current RKB Elevation Ground Elevation (ft) Mud Line Elevation (ft) Water Depth (ft) 3,452.00 3.427.00 3,427.00, 7/9/2014

Com

NO SAFETY OR ENVIRONMENTAL ISSUES TO REPORT

TENENT #9 ALWAYS FOLLOW WRITTEN PROCEDURES FOR HIGH RISK OR UNUSUAL SITUATIONS

HAZARD WHEEL: RADIATION

360 MY SPACE: SLIPS TRIPS OR FALLS SAFE RIG UP PROCEDURES, LINE OF FIRE, HAND PLACEMENT, CRUSH POINTS, SPOTTERS, TAG LINE USE, H2S HAZARDS, COMMUNICATION, WEATHER AND STOP WORK AUTHORITY

HELD WEEKLY DRILLS

MOVE EQUIPMENT TO & SPOT ON LOCATION, POSITION RIG IN PLACE, OFFLOAD TBG.

**RU PU** 

CHECK WELL 0PSI & 200PSI ON INTERMEDIATE CSG, OIL TAKENS FROM SAME (CONTACTED WELL ENGINEER IN HOUSTON & WAS TOLD TO CARRY ON), ND WH FLANGE, NU BOPE, PULL BPV & INSTALL TWC, PT BLINDS & RAMS TO 250PSI OW & 1,000PSI HIGH AS PER ENGINEER, PULL HANGER ASSY

MU ON/OFF TOOL & TIH W/ PROD STRING TO 1,248' (40JTS), SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

WELL SI NO ACTIVITY

Report Start Date: 9/20/2014

Com

WELL SI NO ACTIVITY

CREW TRAVEL TO LOCATION

NO SAFETY OR ENVIRONMENTAL ISSUES TO REPORT

TENENT #10 ALWAYS INVOLVE THE RIGHT PEOPLE IN DESICIONS THAT AFFECT PROCEDURES & FOUIPMENT

HAZARD WHEEL: SOUND

360 MY SPACE: SLIPS TRIPS OR FALLS SAFE RIG UP PROCEDURES, LINE OF FIRE, HAND PLACEMENT, CRUSH POINTS, SPOTTERS, TAG LINE USE, H2S HAZARDS, COMMUNICATION, WEATHER AND STOP WORK AUTHORITY

CHECK WELL OPSI, TIH W/ PROD TBG (274JTS TOTAL), SPACE OUT WELL TOP OF PKR @ 8,968'

CIRCULATE WELL CLEAR W/ PKR FLUID

MU 2.875" HANGER TO TBG, LAND HANGER W/ 16POINTS COMPRESSION, LOCK IN W/ PINS, PT CSG TO 500PSI, PT GOOD, INSTALL TWC ND BOPE

NU 5K PRODUCTION TREE, PT VOID TO 4,500PSI (PT GOOD), PT TREE TO 2,500PSI (PT GOOD), PULL TWC

PUMP TBG TO PUMP OUT PLUG, PLUG RELEASED @ 3,400PSI, 2,000PSI WB PRESSURE, SI WELL, RD PUMPING EQUIPMENT SECURE TREE/WELL & SDFN

CREW TRAVEL FROM LOCATION

WELL SI NO ACTIVITY

Report Start Date: 9/21/2014

Com

WELL SI NO ACTIVITY

\*\*LOCATION ENTRANCE WASHED AWAY OVER NIGHT\*\*\*

Report Start Date: 9/22/2014

Com

WELL SI NO ACTIVITY

Report Start Date: 9/23/2014

Com

WELL SI NO ACTIVITY

Report Start Date: 9/24/2014

WELL SI NO ACTIVITY

Com

CREW TRAVEL TO LOCATION



Completion Complete

Job Start Date: 8/13/2014 Job End Date: 9/24/2014

Com

NO SAFETY OR ENVIRONMENTAL ISSUES TO REPORT

TENENT #4 FOLLOW SAFE WORK PRACTICES & PROCEDURES

HAZARD WHEEL: ELECTRICAL

360 MY SPACE: SLIPS TRIPS OR FALLS SAFE RIG UP PROCEDURES, LINE OF FIRE, HAND PLACEMENT, CRUSH POINTS, SPOTTERS, TAG LINE USE, H2S HAZARDS, COMMUNICATION, WEATHER AND STOP WORK AUTHORITY

RD PU & PREPARE TO MOVE TO NEXT LOCATION

A JULY RIGHT DOWN

Page 32/32

# Casing Summary

30-025-41907

Well Name
RED HILLS 2-25-33 003H
Red Hills 2-25-33

Ground Elevation (ft)
3,452.00

Red Hills 2-25-33

Ground Elevation (ft)
3,427.00

Red Hills 2-25-33

Red Hills Mame
Red Hills Mame
Red Hills Mame
Red Hills Mame
Red Hills Mame
Red Hills Mame
Red Hills Mame
Red Hills Mame
Red Hills 2-25-33

Red Hills Mame
Red Hills Mame
Mud Line Elevation (ft)

Water Depth (ft)

Surface   Pathward Print   1,200   Strop Nominal CD (n)   1   3   3   3   1   1   1   1   1   1								BECEIVE	- <u>-                                  </u>			
1,269   1,398   1,1398   1,149   1,1												
	Set D			in (kips)	String N	ominal OD (in)					Scratchers	
28   Casing Joint		7, 3						Ton Denth	Btm Depth			P Collapse
Tental Color								(MD) (ftKB)			P Burst (psi)	(psi)
Top   Casing Joint   13 3/8   12.715   48.00   H.40   ST&C   1,220   1,228   38.73	l				48.00	H-40						
Float Shoe	II											
Intermediate Casing 1, Planned?-N, 5,072 ft/KB   Script Normal CD (in)   9 5/8   Sating Min Defit (in)   8 6.88   Sating Min Defit (in)   9 5/8   Sating Min Defit (in)   9 5/8   Sating Min Defit (in)   9 5/8   Sating Min Defit (in)   9 5/8   Sating Min Defit (in)   9 5/8   Sating Min Defit (in)   P Deftt (in)   P Deft			LI		48.00	H-40	l .					
Set Depth (NO) (W/8)   South   Set Tender (No)   Set Depth (NO) (W/8)   South   South   Set Depth (NO) (W/8)   South   Set Depth (NO) (W/8)   South   Set Depth (NO) (W/8)   Set Depth (NO) (NO) (W/8)   Set Depth (NO) (NO) (W/8)		Float Shoe	13 3/8	12.715			ST&C	1,258	1,259	0.65		
Second   S	Inte	rmediate Casing 1, Plan	ned?-N, 5,0	72ftKB			1/					•
Mathematics   OD (m)   D (m)   Wit (brit)   Grade   Top Thread   (MA) (MCS)   QU(KCS)   Len (t)   P Burst (psp)   (psp)	Set D			n (kips)	String N	ominal OD (in)					Scratchers	
Pup Joint	Jts	Item Des	OD (in)	ID (in)			Top Thread		Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	
12   Casing Joint		Casing Hanger	9 5/8					24	25	1.00		
Rem   Des	1	Pup Joint	9 5/8	8.835	40.00	HCK-55		25	28	3.18		
Casing Joint		Casing Joint	9 5/8	8.835	40.00	HCK-55		28	4,994	4,965.57	:	
Casing Joint	1	Casing Joint	9 5/8	8.835				4,994	4,995	1.25		2,570.0
Total Shoe   9 5/8   8.835   5,070   5,072   1.64	1	Casing Joint	9 5/8	8.835	40.00	HCK-55		4,995	5,035	39.87		, , ,
Production Casing, Planned?-N., 14,083   Set Tension (kips)   String Norminal OD (in)   5 1/2   String Min Drift (in)   Top Depth (in) (in) (in) (in) (in) (in) (in) (in)	1	Casing Joint	9 5/8	8.835	40.00	HCK-55		5,035	5,070	35.48	3,950.0	4,230.0
Set   Depth (MD) (MRB)	1	Float Shoe	9 5/8	8.835				5,070	5,072	1.64		
Set   Depth (MD) (MRB)	Bro	duction Casing Planner	12 N 14 093	HVD			<u> </u>	<u></u>			·	
14,083   5 1/2   Tesco & Bow Spring     14,083   15 1/2   Top Deph   16,000   10 (m)   10 (					String N	ominal OD (in)	String Min Drift (in)	Ce	ntralizers		Scratchers	
Island Des	IL_	14,0	083		\	,	5 1/2			Spring		
O Casing Joint         5 1/2         4.778         20.00 L-80         23         23         0.00         8,830.0           0 Landing Joint         5 1/2         4.778         20.00 L-80         23         23         0.00         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         23         25         1.91         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         25         28         3.30         8,830.0           1 Casing Joint         5 1/2         4.778         20.00 L-80         28         68         39.95         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         68         79         10.98         8,830.0           1 Casing Joint         5 1/2         4.778         20.00 L-80         79         115         36.09         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         115         126         10.98         8,830.0           2 Casing Joint         5 1/2         4.778         20.00 L-80         8,987         8,998         10.89         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20	its	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread		Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	
1 Casing Hanger         5 1/2         4.778         20.00         L-80         23         25         1.91         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         25         28         3.30         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         28         68         39.95         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         68         79         10.98         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         79         115         36.09         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         115         126         10.98         8,830.0           22 Casing Joint         5 1/2         4.778         20.00         L-80         126         8,987         8,986.81         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         8,987         8,998         10.89         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         13,903         13,9		Casing Joint				L-80	·					
1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         25         28         3.30         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         28         68         39.95         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         68         79         10.98         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         79         115         36.09         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         115         126         10.98         8,830.0           22 Casing Joint         5 1/2         4.778         20.00         L-80         126         8,987         8,860.81         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         8,987         8,998         10.89         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         13,903         13,903         4,905.31         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         13,903 <td>0</td> <td>Landing Joint</td> <td>5 1/2</td> <td>4.778</td> <td>20.00</td> <td>L-80</td> <td></td> <td>23</td> <td>23</td> <td>0.00</td> <td></td> <td>8,830.0</td>	0	Landing Joint	5 1/2	4.778	20.00	L-80		23	23	0.00		8,830.0
1 Casing Joint         5 1/2         4.778         20.00         L-80         28         68         39.95         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         68         79         10.98         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         79         115         36.09         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         115         126         10.98         8,830.0           22 Casing Joint         5 1/2         4.778         20.00         L-80         126         8,987         8,860.81         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         8,987         8,998         10.89         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         8,998         13,903         4,905.31         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         13,903         13,909         5.95         8,830.0           1 Toe Sleeve (RSCI)         5 1/2         4.778         20.00         L-80         1	1	Casing Hanger	5 1/2	4.778	20.00	L-80		23	25	1.91		8,830.0
1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         68         79         10.98         8,830.0           1 Casing Joint         5 1/2         4.778         20.00 L-80         79         115         36.09         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         115         126         10.98         8,830.0           22 Casing Joint         5 1/2         4.778         20.00 L-80         126         8,987         8,860.81         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         8,987         8,998         10.89         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         8,987         8,998         10.89         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         13,903         13,909         5.95         8,830.0           1 Toe Sleeve (RSCI)         5 1/2         4.778         20.00 L-80         13,909         13,915         5.50         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         13,915         13,954         39.09         8,830.0           1 Casing Pup Joint	1	Casing Pup Joint	5 1/2	4.778	20.00	L-80		25	28	3.30		8,830.0
1 Casing Joint         5 1/2         4.778         20.00         L-80         79         115         36.09         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         115         126         10.98         8,830.0           22 Casing Joint         5 1/2         4.778         20.00         L-80         126         8,987         8,860.81         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         8,987         8,998         10.89         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         8,998         13,903         4,905.31         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         13,903         13,909         5.95         8,830.0           1 Toe Sleeve (RSCI)         5 1/2         4.778         20.00         L-80         13,909         13,915         5.50         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         13,991         13,954         39.09         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80		Casing Joint	5 1/2	4.778	20.00	L-80		28	68	39.95		8,830.0
1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         115         126         10.98         8,830.0           22 Casing Joint         5 1/2         4.778         20.00         L-80         126         8,987         8,860.81         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         8,987         8,998         10.89         8,830.0           12 Casing Joint         5 1/2         4.778         20.00         L-80         8,998         13,903         4,905.31         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         13,903         13,909         5.95         8,830.0           1 Toe Sleeve (RSCI)         5 1/2         4.778         20.00         L-80         13,903         13,915         5.50         8,830.0           1 Casing Joint         5 1/2         4.778         20.00         L-80         13,909         13,915         5.50         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-80         13,954         13,960         5.94         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00         L-	1	Casing Pup Joint	5 1/2	4.778	20.00	L-80		68	79	10.98		8,830.0
22 Casing Joint         5 1/2         4.778         20.00 L-80         126         8,987         8,860.81         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         8,987         8,998         10.89         8,830.0           12 Casing Joint         5 1/2         4.778         20.00 L-80         8,998         13,903         4,905.31         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         13,903         13,909         5.95         8,830.0           1 Toe Sleeve (RSCI)         5 1/2         4.778         20.00 L-80         13,909         13,915         5.50         8,830.0           1 Casing Joint         5 1/2         4.778         20.00 L-80         13,915         13,954         39.09         8,830.0           1 Casing Pup Joint         5 1/2         4.778         20.00 L-80         13,954         13,960         5.94         8,830.0           1 Landing Collar         5 1/2         4.778         20.00 L-80         13,961         1.41         8,830.0           1 Float Collar         5 1/2         4.778         20.00 L-80         13,961         14,002         40.52         8,830.0           2 Casing Joint         5 1/2	1	Casing Joint	5 1/2	4.778	20.00	L-80		79	115	36.09		8,830.0
8       1       Casing Pup Joint       5 1/2       4.778       20.00 L-80       8,987       8,998       10.89       8,830.0         12       Casing Joint       5 1/2       4.778       20.00 L-80       8,998       13,903       4,905.31       8,830.0         1       Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,903       13,909       5.95       8,830.0         1       Toe Sleeve (RSCI)       5 1/2       4.778       20.00 L-80       13,909       13,915       5.50       8,830.0         1       Casing Joint       5 1/2       4.778       20.00 L-80       13,915       13,954       39.09       8,830.0         1       Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,954       13,960       5.94       8,830.0         1       Landing Collar       5 1/2       4.778       20.00 L-80       13,961       1.41       8,830.0         1       Casing Joint       5 1/2       4.778       20.00 L-80       13,961       14,002       40.52       8,830.0         1       Float Collar       5 1/2       4.778       20.00 L-80       14,002       14,003       1.24       8,830.0         2       Casing J		Casing Pup Joint	5 1/2	4.778	20.00	L-80		115	126	10.98		8,830.0
12 Casing Joint       5 1/2       4.778       20.00 L-80       8,998       13,903       4,905.31       8,830.0         1 Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,903       13,909       5.95       8,830.0         1 Toe Sleeve (RSCI)       5 1/2       4.778       20.00 L-80       13,909       13,915       5.50       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,915       13,954       39.09       8,830.0         1 Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,954       13,960       5.94       8,830.0         1 Landing Collar       5 1/2       4.778       20.00 L-80       13,960       13,961       1.41       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,961       14,002       40.52       8,830.0         1 Float Collar       5 1/2       4.778       20.00 L-80       14,002       14,003       1.24       8,830.0         2 Casing Joint       5 1/2       4.778       20.00 L-80       14,003       14,002       78.61       8,830.0		Casing Joint	5 1/2	4.778	20.00	L-80		126	8,987	8,860.81		8,830.0
12 Casing Joint       5 1/2       4.778       20.00 L-80       8,998       13,903       4,905.31       8,830.0         1 Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,903       13,909       5.95       8,830.0         1 Toe Sleeve (RSCI)       5 1/2       4.778       20.00 L-80       13,909       13,915       5.50       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,915       13,954       39.09       8,830.0         1 Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,954       13,960       5.94       8,830.0         1 Landing Collar       5 1/2       4.778       20.00 L-80       13,960       13,961       1.41       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,961       14,002       40.52       8,830.0         1 Float Collar       5 1/2       4.778       20.00 L-80       14,002       14,003       1.24       8,830.0         2 Casing Joint       5 1/2       4.778       20.00 L-80       14,003       14,002       78.61       8,830.0		Casing Pup Joint	5 1/2	4.778	20.00	L-80		8,987	8,998	10.89		8,830.0
1 Toe Sleeve (RSCI)       5 1/2       4.778       20.00 L-80       13,909       13,915       5.50       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,915       13,954       39.09       8,830.0         1 Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,954       13,960       5.94       8,830.0         1 Landing Collar       5 1/2       4.778       20.00 L-80       13,961       1.41       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,961       14,002       40.52       8,830.0         1 Float Collar       5 1/2       4.778       20.00 L-80       14,002       14,003       1.24       8,830.0         2 Casing Joint       5 1/2       4.778       20.00 L-80       14,003       14,082       78.61       8,830.0		_	5 1/2	4.778	20.00	L-80		8,998	13,903	4,905.31		
1 Toe Sleeve (RSCI)       5 1/2       4.778       20.00 L-80       13,909       13,915       5.50       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,915       13,954       39.09       8,830.0         1 Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,954       13,960       5.94       8,830.0         1 Landing Collar       5 1/2       4.778       20.00 L-80       13,961       1.41       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,961       14,002       40.52       8,830.0         1 Float Collar       5 1/2       4.778       20.00 L-80       14,002       14,003       1.24       8,830.0         2 Casing Joint       5 1/2       4.778       20.00 L-80       14,003       14,082       78.61       8,830.0	1	Casing Pup Joint	5 1/2	4.778	20.00	L-80		13,903	13,909	5.95		8,830.0
1 Casing Joint       5 1/2       4.778       20.00 L-80       13,915       13,954       39.09       8,830.0         1 Casing Pup Joint       5 1/2       4.778       20.00 L-80       13,954       13,960       5.94       8,830.0         1 Landing Collar       5 1/2       4.778       20.00 L-80       13,960       13,961       1.41       8,830.0         1 Casing Joint       5 1/2       4.778       20.00 L-80       13,961       14,002       40.52       8,830.0         1 Float Collar       5 1/2       4.778       20.00 L-80       14,002       14,003       1.24       8,830.0         2 Casing Joint       5 1/2       4.778       20.00 L-80       14,003       14,082       78.61       8,830.0	1						<del></del>					
1 Casing Pup Joint     5 1/2     4.778     20.00 L-80     13,954     13,960     5.94     8,830.0       1 Landing Collar     5 1/2     4.778     20.00 L-80     13,960     13,961     1.41     8,830.0       1 Casing Joint     5 1/2     4.778     20.00 L-80     13,961     14,002     40.52     8,830.0       1 Float Collar     5 1/2     4.778     20.00 L-80     14,002     14,003     1.24     8,830.0       2 Casing Joint     5 1/2     4.778     20.00 L-80     14,003     14,082     78.61     8,830.0												
1 Landing Collar     5 1/2     4.778     20.00 L-80     13,960     13,961     1.41     8,830.0       1 Casing Joint     5 1/2     4.778     20.00 L-80     13,961     14,002     40.52     8,830.0       1 Float Collar     5 1/2     4.778     20.00 L-80     14,002     14,003     1.24     8,830.0       2 Casing Joint     5 1/2     4.778     20.00 L-80     14,003     14,082     78.61     8,830.0							<del></del>		I		-	
1 Casing Joint     5 1/2     4.778     20.00 L-80     13,961     14,002     40.52     8,830.0       1 Float Collar     5 1/2     4.778     20.00 L-80     14,002     14,003     1.24     8,830.0       2 Casing Joint     5 1/2     4.778     20.00 L-80     14,003     14,002     78.61     8,830.0							<del>                                     </del>	13,960				
1 Float Collar     5 1/2     4.778     20.00 L-80     14,002     14,003     1.24     8,830.0       2 Casing Joint     5 1/2     4.778     20.00 L-80     14,003     14,082     78.61     8,830.0	1							1				
2 Casing Joint 5 1/2 4.778 20.00 L-80 14,003 14,082 78.61 8,830.0	l ———		5 1/2			L	<del> </del>					8,830.0
	2		5 1/2					14,003	14,082	78.61		
	) <b></b> _	Float Shoe	5 1/2			1		14,082		1.42		



# **Cement Summary**

		_								Production C	asing Cement
Well	lame HILLS 2-25-33 003H		ease Red Hills 2-25	22		Field Name				ess Unit	
	d Elevation (ft) Origina		Current RKB Eleva			RED HIL				-Continent ine Elevation (ft) W	ater Depth (ft)
<u> </u>	3,452.00	3,427.00	3,427.00, 7/9/	2014							
Oria	inal Hole				· · · ·		<del></del>				
	ore Name	TC	Directional Type			Kick Off Dep	th (ftKB)	<del></del>	Vertic	al Section Direction (°)	
Origi	nal Hole		Horizontal		A -4 T	(0147)			9,036	(0.40)	359.70
	Hole	Size (in)	17 1/2		Acti	op (ftKB)		24.0		Act Btm (ftKB)	1,260.0
	<del></del>		12 1/4		·		1.	260.0	·	· · · · · · · · · · · · · · · · · · ·	5.082.0
├─-			8 3/4					082.0			14,105.0
<typ< td=""><td>&gt;, <make> on <dttm:< td=""><td>start&gt;</td><td></td><td></td><td></td><td><del></del></td><td></td><td></td><td></td><td></td><td><u> </u></td></dttm:<></make></td></typ<>	>, <make> on <dttm:< td=""><td>start&gt;</td><td></td><td></td><td></td><td><del></del></td><td></td><td></td><td></td><td></td><td><u> </u></td></dttm:<></make>	start>				<del></del>					<u> </u>
Туре						Install Date				<u></u>	
<u> </u>	Des	Mak	e T	Mo	del	<del> </del>	WP (psi)	- 1 -	Service	<del></del>	SN
		1					777 (pai)		CONTINUE	·	<u> </u>
	ace, Planned?-N, 1,2					<del>'</del>			* .		
Casing	Description	Wellbore Original Hole		Run Date 7/20/	2014	Set Depth (N	MD) (ftKB)	1,259 Stick U	Jp (ftKB)	Set Tension	(kips)
Centra		Original Fluie		11201	2014	Scratchers		1,239[		8.5	
11			· · · · · ·							· •	
Jts	Item De	s	OD (in)	ID (in)	- Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
28	Casing Joint		13 3/8	12.715	48.00	H- <b>4</b> 0		ST&C	1,227.	04 -	1,219
	Float Collar		13 3/8	12.715				ST&C	1.	10 1,21	9 1,220
1	Casing Joint		13 3/8	12.715	48.00	H-40		ST&C	38.		
1	Float Shoe		13 3/8	12.715				ST&C	0.	65 1,25	1,259
	mediate Casing 1, P	lanned?-N, 5,0		Run Date	·	Set Depth (N	AD) (AKD)	Ctick !	Jp (ftKB)	Leat Tangiar	(kine)
	mediate Casing 1	Original Hole		7/26/	2014	Set Depth (i		5,072 Stick (	ор (пкв)	Set Tension	i (kips)
Centra	lizers					Scratchers					
34	<del></del>	·	·				Top Conn Sz			Top Depth (MD)	Btm Depth (MD)
Jts	Item De	s	OD (in)	ID (in)	Wt (lb/ft)	Grade	(in)	Top Thread	Len (ft)	(ftKB)	(ftKB)
1	Casing Hanger		9 5/8 9 5/8	8.835 8.835		HCK-55	ļ			00 2	
120	Pup Joint		9 5/8	8.835		HCK-55 HCK-55	<del> </del>		4,965.		
128	Casing Joint Casing Joint		9 5/8	8.835	40.00	HCK-55	<del> </del>			25 4,99	
<del>  '</del>	Casing Joint	<del>_</del>	9 5/8	8.835	40.00	HCK-55	<del>                                     </del>	<del> </del>	39.		
$\frac{1}{1}$	Casing Joint		9 5/8	8.835		HCK-55			35.		
<u> </u>	Float Shoe		9 5/8	8.835			<del> </del>	-		64 5,07	
Proc	luction Casing, Plan	ned?-N, 14,083					<u> </u>				
Casing	Description	Wellbore		Run Date		Set Depth (M	MD) (ftKB)	Stick U	Jp (ftKB)	Set Tension	n (kips)
Prod	uction Casing	Original Hole		8/7/2	2014	Scratchers	1	4,083		-23.1	
	o & Bow Spring					Co. a.c., c,					
Jts	Item De	s	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
	Casing Joint	<u> </u>	5 1/2	4.778	20.00		(,			00 2	
0	Landing Joint		5 1/2	4.778	20.00				0.	00 2	1
1	Casing Hanger		5 1/2	4.778	20.00					91 2	
1	Casing Pup Joint		5 1/2	4.778	20.00					30 2	
_1	Casing Joint		5 1/2	4.778	20.00	_	<u> </u>		39.		1
1	Casing Pup Joint		5 1/2	4.778	20.00		ļ		10.		1
1	Casing Joint		5 1/2	4.778	20.00		<u> </u>		36.		
1	Casing Pup Joint		5 1/2 5 1/2	4.778 4.778	20.00		ļ	ļ	10.		
228	Casing Joint Casing Pup Joint		5 1/2	4.778	20.00		<del> </del>	<del> </del>	8,860 10.		
126	Casing Pup Joint Casing Joint		5 1/2	4.778	20.00		-	<del> </del>	4,905.		
120	Casing Joint Casing Pup Joint		5 1/2	4.778	20.00	i	<del> </del>	<del> </del> -		95 13,90	
<del> </del> 1	Toe Sleeve (RSCI)	-	5 1/2	4.778	20.00		<del> </del>	<del>                                     </del>		50 13,90	
1	Casing Joint	<del></del>	5 1/2	4.778	20.00	i .	<del> </del>	<del></del>	39.		
1	Casing Pup Joint		5 1/2	4.778	20.00	1	<del> </del>	<del>                                     </del>		94 13,95	
1	Landing Collar		5 1/2	4.778	20.00				_	41 13,96	
	Casing Joint		5 1/2	4.778	20.00	1	<u> </u>	1	40		
L	Float Collar		5 1/2	4.778	20.00	L-80			1.	24 14,00	2 14,003
<u></u>	·					·					



# **Cement Summary**

Float Shoe 5 1/2 4.892   1.4,082 14,082 14,082 14,082 14,082									Pr	oduction	Casin	g Cement
Gournel Februarion (ft)				-33								
Top   Temp   T	Ground Elevation (ft) Original RKB (ft		Current RKB Eleva	tion							Water De	pth (ft)
Section   Sect	3,452.00	3,427.00	3,427.00, 7/9/2	2014							<u></u>	
Float Shoe			OD (in)						Len (ft)		ID) Bi	
Production Casing Cement, Casing, 8/8/2014 00:00  Cementing Stant Data  8/8/2014    Wellbore   Original Hole   Sequilation Memod   Cement Evaluation Results						00 L-80						14,082
Cement Fluid Additives   Cement Evaluation Results   State		asing 8/		4.89	2		<u> </u>	L	1.42	14,	082	14,083
Evaluate to Surface   Comment Evaluation Results   No spacer or cement to surface   Comment    Setagenum>, Septimory   Surface	Cementing Start Date	asing, or		Cementing En								
Setagenum>,   Setagenum>,			Cement Evaluation	Results		3/8/2014		Origin	al Hole			
**************************************			No spacer or	cement to	surface							
Top Depth (RKB) Bottom Depth (RKB) Full Return? N Vol Cement Ret (bbl) Top Plug? N N N N N N N N N N N N N N N N N N N									_			
N				·	Full Return?	Vol Cemen	Ret (hhl) Ton	Plug?		Bottom Plug?		
Pipe Reciprocation Stroke Length (ft)  Reciprocation Rate (spm)  Pipe Rotated?  Pipe Rotated?  Pipe RPM (rpm)  N  Depth Tagged (MD) (RKB)  Pipe RPM (rpm)  N  Depth Pagged (MD) (RKB)  Pipe RPM (rpm)  Pipe RPM (rpm)  Pipe RPM (rpm)  N  Depth Depth Tagged (MD) (RKB)  Pipe RPM (rpm)  Pipe Reciprocation Rate (bbl/min) Pipe Reciprocation Rate (bbl/min) Pipe Reciprocation Rate (rpm) Pipe Reciprocation Rate (rpm) Pipe Reciprocation Rate (rpm) Pipe Reciprocation Rate (rpm) Pipe Reciprocation Rate (rpm) Pipe Reciprocation Rate (rpm) Pipe Reciprocation Reciprocation Rate (rpm) Pipe Reciprocation Reciprocation Reciprocation Rate (rpm) Pipe Reciprocation Recipr					N			N				
N Depth Tagged (MD) (ftKB) Tag Method Depth Plug Drilled Out To (ftKB) Drill Out Diameter (in) Drill Out Date    Class Drill Out Date   Cypp Fluid Description Quantity (sacks) Class Volume Pumped (bbl)   Eatimated Top (ftKB) Estimated Bottom Depth (ftKB) Percent Excess Pumped (%) Yield (ftV)sack) Fluid Mix Ratio (gal/sack)   Free Water (%) Density (tb/gal) Zero Gel Time (min) Thickening Time (ftn) 1st Compressive Strength (psi)   Cement Fluid Additives Type Conc   Conc 1, 4,550.0-14,105.0ftKB   Top Depth (ftKB) Bottom Depth (ftKB) Full Return? N Bottom Plug? N   Initial Pump Rate (bbl/min) Avg Pump Rate (bbl/min) Final Pump Rate (bbl/min) N N N   Pipe Reciprocated? Reciprocation Stroke Length (ft) Reciprocation Rate (spin) Pipe Rotated? Pipe Rotated? Pipe Rotated? Pipe RPM (pm)   N N Pipe RPM (pm) N Depth Tagged (MD) (ftKB) Tag Method Depth Plug Drilled Out To (ftKB) Drill Out Diameter (in) Drill Out Date <typ>Fluid Type Fluid Description Quantity (sacks) Class Volume Pumped (bbl)   Estimated Bottom Depth (ftKB) Percent Excess Pumped (%) Yield (ftV/sack) Fluid Mix Ratio (gal/sack)   Free Water (%) Density (tb/gal) Zero Gel Time (min) Thickening Time (hr) 1st Compressive Strength (psi)   Cement Fluid Additives</typ>	Initial Pump Rate (bbl/min)	Final Pump	p Rate (bbl/min)		Avg Pump Rate	(bbl/min)	Final	Pump Pressure (p	osi)	Plug Bump Pre	ssure (psi)	
Depth Tagged (MD) (MKB)   Tag Method   Depth Plug Drilled Out To (MKB)   Drill Out Diameter (in)   Drill Out Diameter (i	Pipe Reciprocated?	Reciprocat	tion Stroke Length (1	t)	Reciprocation Ra	ate (spm)	Pipe			Pipe RPM (rpm	)	
Fluid Type   Fluid Description   Quantity (sacks)   Class   Volume Pumped (bb)    Estimated Top (ft/KB)   Estimated Bottom Depth (ft/KB)   Percent Excess Pumped (%)   Yield (ft/Sack)   Fluid Mix Ratio (gal/sack)    Free Water (%)   Density (ib/gal)   Zero Gel Time (min)   Thickening Time (hr)   1st Compressive Strength (psi)    Cement Fluid Additives   Type   Conc    1, 4,550.0-14,105.0ft/KB   Conc    1, 4,550.0-14,105.0ft/KB   Top Depth (ft/KB)   Full Return?   Vol Cement Ret (bbl)   Top Plug?   N   Bottom Plug?   N    Initial Pump Rate (bbl/min)   Final Pump Rate (bbl/min)   Avg Pump Rate (bbl/min)   Final Pu	Depth Tagged (MD) (ftKB)	Tag Metho	od		Depth Plug Drille	ed Out To (ftKB)	Drill (			Drill Out Date		
Fluid Type   Fluid Description   Quantity (sacks)   Class   Volume Pumped (bb)    Estimated Top (ft/KB)   Estimated Bottom Depth (ft/KB)   Percent Excess Pumped (%)   Yield (ft/Sack)   Fluid Mix Ratio (gal/sack)    Free Water (%)   Density (ib/gal)   Zero Gel Time (min)   Thickening Time (hr)   1st Compressive Strength (psi)    Cement Fluid Additives   Type   Conc    1, 4,550.0-14,105.0ft/KB   Conc    1, 4,550.0-14,105.0ft/KB   Top Depth (ft/KB)   Full Return?   Vol Cement Ret (bbl)   Top Plug?   N   Bottom Plug?   N    Initial Pump Rate (bbl/min)   Final Pump Rate (bbl/min)   Avg Pump Rate (bbl/min)   Final Pu	<tvn></tvn>	<u> </u>		1	<del></del>					<u> </u>		
Free Water (%)  Density (ib/gal)  Zero Gel Time (min)  Thickening Time (hr)  1st Compressive Strength (psi)  Cement Fluid Additives  Add  Type  Conc  1, 4,550.0-14,105.0ftKB  Top Depth (ftKB)  4,550.0  14,105.0  14,105.0  14,105.0  14,105.0  N  Vol Cement Ret (bbl/min)  Final Pump Rate (bbl/min)  Final Pump Rate (bbl/min)  Final Pump Rate (bbl/min)  Reciprocation Stroke Length (ft)  Reciprocation Rate (spm)  Pipe Rotated?  Reciprocation Stroke Length (ft)  Reciprocation Rate (spm)  Depth Plug Drilled Out To (ftKB)  Drill Out Diameter (in)  Drill Out Date  Ctyp>  Fluid Type  Fluid Description  Quantity (sacks)  Class  Volume Pumped (bbl)  Fluid Mix Ratio (gal/sack)  Free Water (%)  Density (ib/gal)  Zero Gel Time (min)  Thickening Time (hr)  1st Compressive Strength (psi)		Fluid Desc	ription		Quantity (sacks)	<u> </u>	Class	s	<del></del>	Volume Pumpe	d (bbl)	
Cement Fluid Additives  Add Type Conc  1, 4,550.0-14,105.0ftKB  Top Depth (ftKB) 4,550.0 Bottom Depth (ftKB) 14,105.0 N N Sinal Pump Rate (bbl/min) 7 Sinal Pump Rate (bbl/min) 7 Sinal Pump Rate (bbl/min) 7 Sinal Pump Rate (bbl/min) 7 Sinal Pump Rate (bbl/min) 8 Sinal Pump Rate (bbl/min) 9 Sinal Pump Rate (bbl/min) 9 Sinal Pump Pressure (psi) 9 Sinal Pump Pressure	Estimated Top (ffKB)	Estimated	Bottom Depth (ftKB)	)	Percent Excess	Pumped (%)	Yield	(ft³/sack)		Fluid Mix Ratio	(gal/sack)	
Cement Fluid Additives  Add Type Conc  1, 4,550.0-14,105.0ftKB  Top Depth (ftKB) 4,550.0 Bottom Depth (ftKB) 14,105.0 N N Sinal Pump Rate (bbl/min) 7 Sinal Pump Rate (bbl/min) 7 Sinal Pump Rate (bbl/min) 7 Sinal Pump Rate (bbl/min) 7 Sinal Pump Rate (bbl/min) 8 Sinal Pump Rate (bbl/min) 9 Sinal Pump Rate (bbl/min) 9 Sinal Pump Pressure (psi) 9 Sinal Pump Pressure	Erge Water (%)	Density (lb	(aal)		Zero Gel Time (r	nin)	Thick	ronica Timo (hr)		1st Compressiv	a Strongth	(nci)
Add Type Conc  1, 4,550.0-14,105.0ftKB  Top Depth (ftKB) 4,550.0 Depth (ftKB) 14,105.0 N Vol Cement Ret (bbl) Top Plug? N Softom Plug? N Softom Plug? N Softom Plug? N Softom Plug? N Softom Plug Bump Pressure (psi) Softom P		Density (ib	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Zelo Gel Tillie (i		THICK	terming time (tir)		rst Compressiv	e Strength	(psi)
1, 4,550.0-14,105.0ftKB  Top Depth (ftKB)					<del></del>	Type				Conc		
Top Depth (ftKB) 4,550.0  Aug Pump Rate (bbl/min) 7  Reciprocation Stroke Length (ft) N  Reciprocation Rate (spm) Depth Plug Drilled Out To (ftKB) Depth Tagged (MD) (ftKB) Fluid Description  Fluid Description  Fluid Description  Cement Fluid Additives  Full Return? N  Vol Cement Ret (bbl/min) N  Final Pump Pressure (psi) Plug Bump Pressure (psi	/					,,,,,				30110	-	
4,550.0 14,105.0 N N N N N N N N N N N N N N N N N N N		Inotton Do		· · · · · · · ·	Full Datum2	Ival Compa	D-4 (bb) T	DL =2		In-the Blood		
Pipe Reciprocated? Reciprocation Stroke Length (ft) Reciprocation Rate (spm) Pipe Rotated? N Pipe RPM (rpm)  Depth Tagged (MD) (ftKB) Tag Method Depth Plug Drilled Out To (ftKB) Drill Out Diameter (in) Drill Out Date <typ> Fluid Type Fluid Description Quantity (sacks) Class Volume Pumped (bbl)  Estimated Top (ftKB) Estimated Bottom Depth (ftKB) Percent Excess Pumped (%) Yield (ft³/sack) Fluid Mix Ratio (gal/sack)  Free Water (%) Density (lb/gal) Zero Gel Time (min) Thickening Time (hr) 1st Compressive Strength (psi)  Cement Fluid Additives</typ>	4,550.0	l		14,105.0	N			N				
N Depth Tagged (MD) (ftKB) Tag Method Depth Plug Drilled Out To (ftKB) Depth Plug Drilled Out To (ftKB) Depth Plug Drilled Out To (ftKB) Drill Out Diameter (in) Drill Out Date <typ> Fluid Type Fluid Description Quantity (sacks) Class Volume Pumped (bbl) Estimated Top (ftKB) Estimated Bottom Depth (ftKB) Percent Excess Pumped (%) Free Water (%) Density (lb/gal) Zero Gel Time (min) Thickening Time (hr) 1st Compressive Strength (psi)  Cement Fluid Additives</typ>	Initial Pump Rate (bbl/min) 7	Final Pump	p Rate (bbl/min)	3	Avg Pump Rate	(bbl/min)	Final 5	Pump Pressure (	osi)	Plug Bump Pre	ssure (psi)	
Depth Tagged (MD) (ftKB)  Tag Method  Depth Plug Drilled Out To (ftKB)  Drill Out Diameter (in)  Drill Out Date   Ctyp>  Fluid Type  Fluid Description  Quantity (sacks)  Class  Volume Pumped (bbl)  Estimated Top (ftKB)  Estimated Bottom Depth (ftKB)  Percent Excess Pumped (%)  Yield (ft³/sack)  Free Water (%)  Density (ib/gal)  Zero Gel Time (min)  Thickening Time (hr)  1st Compressive Strength (psi)	• •	Reciprocat	tion Stroke Length (	ft)	Reciprocation R	ate (spm)	Pipe			Pipe RPM (rpm	)	
Fluid Type Fluid Description Quantity (sacks) Class Volume Pumped (bbl)  Estimated Top (ftKB) Estimated Bottom Depth (ftKB) Percent Excess Pumped (%) Yield (ft³/sack) Fluid Mix Ratio (gal/sack)  Free Water (%) Density (lb/gal) Zero Gel Time (min) Thickening Time (hr) 1st Compressive Strength (psi)  Cement Fluid Additives		Tag Metho	od		Depth Plug Drille	ed Out To (ftKB)	Drill (			Drill Out Date		<u> </u>
Fluid Type   Fluid Description   Quantity (sacks)   Class   Volume Pumped (bbl)    Estimated Top (ftKB)   Estimated Bottom Depth (ftKB)   Percent Excess Pumped (%)   Yield (ft³/sack)   Fluid Mix Ratio (gal/sack)    Free Water (%)   Density (lb/gal)   Zero Gel Time (min)   Thickening Time (hr)   1st Compressive Strength (psi)    Cement Fluid Additives	<	<u> </u>							· · · · · · · · · · · · · · · · · · ·	<u> </u>		
Free Water (%)  Density (lb/gal)  Zero Gel Time (min)  Thickening Time (hr)  1st Compressive Strength (psi)  Cement Fluid Additives		Fluid Desc	ription		Quantity (sacks)		Class	s	<del></del> _	Volume Pumpe	d (bbl)	
Free Water (%)  Density (lb/gal)  Zero Gel Time (min)  Thickening Time (hr)  1st Compressive Strength (psi)  Cement Fluid Additives	Estimated Top (ftKB)	Estimated	Bottom Depth (ftKB	)	Percent Excess	Pumped (%)	Yield	(ft³/sack)		Fluid Mix Ratio	(gal/sack)	
Cement Fluid Additives		İ		<u> </u>								
	Free Water (%)	Density (Ib	/gai)		Zero Gei Time (r	nin) 	Inich	(ening Time (hr)		1st Compressiv	e Strength	(psi)
Type Conc			·			Type				Conc		
						туре			<del></del> -	Conc		
	Add					Туре				Conc		
	<b>\</b>											



Well Name RED HILLS 2-25-33 003H Red Hills 2-25-33 RED HILLS Mid-Continent

	« Land	d - Origina	Hole; 3/9/2015 9:49:10	O AM	Job Details								
MD (ftKB)	e	· Ve	rtical schematic (actual	1)	Completion	Job Cated	ory		9/10/5	Start E	Date		se Date
			2012 101 5 12 47	N.4	Completion Completion				8/13/2			8/19/2014 8/19/2014	
. 249			Tomogramics 14:15, 1 co. 648, 818  App. Josep 75 29 5 49 6 496 8185, 27  Bendy Pier Josep 77:26, 3 30, 5 102 4  Bendy Pier Josep 77:26, 3 30, 5 102 4  Bendy Josep 26:56, 20 25, 5 102 47 71  Bendy Josep 48:47 10 306 5 102	atigs 2 1775-54 (* 1 1 1 1 1 1 1 1.	Completion				8/20/2			8/28/2014	
1,2185		AH	Comply Aver, Pol 15, 340 S 502 2 PT Campy Polymer 150 100 150 2 PT Campy Polymer 150 100 150 20 PT Campy Josep 24 120 E 120 PT 150 PT Campy Josep 24 120 E 120 PT Campy Josep 24 120 E 120 PT Campy Josep 27 110 E 120 PT Campy Josep 27 110 E 120 E 1	79-54 CA176-54 RE1276-53 C1776-53	Completion				8/29/2			8/28/2014	
4.993 8 .	الكند		Note Seem 1 258 7 250 0 00 13 38 7 100 0 00 13 38 7 100 0 00 13 38 7 100 0 00 13 38 7 100 0 00 13 38 100 0 00 100 0 0 0 0 0 0 0 0 0 0 0 0 0	Alle to the state of the state	Completion				8/29/2			9/1/2014	
			Tang Any 2 1975 5015 1987 2 50 Sang Jon 1035 5072 157 507 2	8 9637 25 8 8637 24 8637 24	Completion				9/2/20			9/1/2014	
8,9665			December 2 and 1 50, 270 a	5924778,540	Completion				9/12/20			9/17/2014	
9,826 1 -			Cased Hose & 625-6 6 24, 31 3737044		Completion				9/17/2			9/1//2014	
9,934 1	- 12 A				<u> </u>				13,11,2			0,27,2014	
10,043 D .			Constitute Mance legacy of 1939	<u>;</u>	Casing String	13		<del></del>			<del></del>		Set Depth
	2000 2000		24400 PM 18 27 18 18 18 18 18 18 18 18 18 18 18 18 18		Csg Des	-	OD (in)		n (lb/ft)		ade	Top Thread	(MD) (ftKB)
10,150 9			Constitute 10 187 (0.18) 21 10014 Constitute 10 223 10 224 21 10004		Surface	`asisa	13 3/8		48.00			ST&C	1,259
10.259 a			Committee 10 256 10 200 01 500 10 COMMITTEE 10 256, 91 1001	:	Intermediate C	asing	9 5/8	۱۳	40.00	HUK-5	)O		5,072
10,369 1 .			Cassel Hose, 16,350-19,332-21 (1001-		Production Ca	sina	5 1/2	<del></del>	20.00	L-80			14,083
10,477.0			Categorius 10 440 10 441 10 11 10044 Categorius 10 475 10 477, 10 17054	· ·	Tubing String							<del></del>	11,555
	380 380		Cassarius 18,511 (8512 of 1920)  Cassarius 18 543 18 569 (91020)		Tubing - Prod		at 8,968.0	ftKB on	9/19/20	)14 14:	00	<del></del>	
10,586 0			Connection (SSS) (Section 1) Connection (SSS) (Section 1) Connection (SSS) (SS	:	Tubing Description				Run Date		String Leng		epth (MD) (ftKB)
10,693 9 .			Cased Hole 10,992 10 904 31757514		Tubing - Produ	tem Des	<del></del>	Jts	9/19/2 OD (in)	2014 Wt (lb/ft)	Grade	8,968.00 Len (ft)	8,968.0 Btm (ftKB)
10,803 1			D 2004Feb 10 002 16 003 of 1020H	÷	HANGER "	CH DGS		Via	JD (III)	* ¥ L (IDI1L)	Grade	0.70	0.7
10,912.1			Campings (bgr3.10 ptg. sa1000)  Campings (bgr1.10, btg. sa1000)	:	Tubing				2 7/8	6.50	L-80	8,965.80	8,966.5
	320		Cased Hotel 10 Bez. 10 Gast gallocation (Cased San Cased		On-Off Tool	<u> </u>	+		2 7/8		<u> </u>	1.50	8,968.0
11,020 0					Perforations						<u> </u>	<u> </u>	
11,128.9			Case No. 11 108 11 109 915001					Shot Dens	Entara	l Shat			
11,236 9 .			Constitution 11.275.11.227.010001		Date	Top (ftKB)	Btm (ftKB)	(shots/ft)	Entered Tot	al		Zone & Completi	
11,346.1			Considerate 11.300 H 3100 9000014	· · · · · · · · · · · · · · · · · · ·	9/12/2014	9,825.0	9,826.0	6.0	ــــــــــــــــــــــــــــــــــــــ			ring, Original F	
				\$1/2 417k \$11	9/12/2014	9,861.0	9,862.0	6.0				ring, Original F	
11,455 ! .			Cased Figs. 11 450 11 450 3072014  Cased Figs. 11 400 11 40, 0972014  Cased Figs. 11 526 11 527 3072014		9/12/2014	9,897.0	9,898.0	6.0				ring, Original F	
11,563.0 .			Canadiron 11 561 11,563 0000014  Canadiron 11 567 11,597 397014		9/12/2014	9,932.0	9,934.0	6.0				ring, Original F	
11,6719 -			Case/Pice 11855-11859 30/2014  Case/Pice 11871 11872 99/2014  Case/Pice 11871 11872 99/2014		9/12/2014	9,968.0	9,970.0	6.0				ring, Original F	
11,779 9			Consolition 11742-11744 992014		9/11/2014	10,006.0	10,007.0	6.0		βļ	one Spi	ring, Original H	iole
11,889 1			Camepron 118/0-118/2, pg/2016 Camepron 118/0-118/2, pg/2016 Camepron 118/0-118/2 pg/2016 Camepron 118/0-118/0-118/0-18/2016	1	9/11/2014	10.042.0	10,043.0	6.0	+	6	Bone Sn	ring, Original H	lole
11,6691			Cased Hole 11 923 17 927 96/2014			],.,.,	,	5.5		`اِ	_ U.IO OPI		
11,998 D	7205				9/11/2014	10,078.0	10,079.0	6.0	1	6 1	Bone Sp	ring, Original F	lole
12,106 0			Case(1400 12 100 12 100 12 100 10 100 100 100 1						<u></u>				
12,2169 .			CMMINER 12 175 12 (7) 960014  — CMMINER 12 24 17217, 060014		9/11/2014	10,113.0	10,115.0	6.0		12	Bone Spi	ring, Original H	lole
12,323 2 -			**************************************		0/11/2014	10 140 0	10 151 0	6.0	<b>├</b> ─	1211	Bone Co	ring Original I	Iole
				· · · · · ]	9/11/2014	10,149.0	10,151.0	6.0		12	oone op	ring, Original F	iole
12,432.1					9/11/2014	10,187.0	10,188.0	6.0	<del>                                     </del>	6 1	Bone Sp	ring, Original F	lole
. 12,541 0 .			Considerate 12 540 12 541, 27/0054					_ `	1_		-		
. 12,648.9			Cases Price 12 612-12-612, 97(70)-4  Cases Price 17 647 12 649 97(70)-4  Cases Price 12 648 12 649 97(70)-4  Cases Price 12 648 12 649 97(70)-4		9/11/2014	10,223.0	10,224.0	6.0		6 1	Bone Spi	ring, Original F	lole
12,756 9			Cated Nov. 12 720 12 721 252014 Tanad Nov. 12 750 12 721 252014		0/11/2011	40.050.0	10 000 5	<u> </u>	ļ		D===	-i O i-: !!	lala
	100		7 (444) 7 (52) 7		9/11/2014	10,259.0	10,260.0	6.0		β	one Sp	ring, Original F	iole
12,863 8			Teledrice (2,301 (7 90) 90)014	•	9/11/2014	10,294.0	10,296.0	6.0	<del> </del>	12 1	Bone Sn	ring, Original H	lole
12,975 1	10 m 10 m 10 m 10 m 10 m 10 m 10 m 10 m					,	.5,255.6	5.0		· <b>-</b>  '	_ U Op	g, 0,1g,11d11	
13,084 0			Cameron (1943-1304) 3500 A		9/11/2014	10,330.0	10,332.0	6.0		12	Bone Sp	ring, Original F	lole
13,191.9			Connect track 13 155-13 176 1952/914			]	] _		<u> </u>	Ì	•	•	
	200		Caled Hope 13,226 13,226 197/014		9/11/2014	10,368.0	10,369.0	6.0		6 1	Bone Sp	ring, Original F	lole
13,300 9			Cased Hose 13,230, 13,331, 36(2014) Cased Hose 13,231,13,273, 36(2014)		0/11/2011	40.404.5	40 405 5		<u> </u>		Dev S	da - 05:1 11	1.515
13,409 1					9/11/2014	10,404.0	10,405.0	6.0		6	Bone Sp	ring, Original F	1016
13,5180 -	2 2 2 2		Cased Hotel 53 441 53 462 040(014)  Cased Hotel 52 517 52 514 940(014)  Cased Hotel 52 517 52 514 940(014)		9/11/2014	10 440 0	10,441.0	6.0	├	611	Bone Sn	ring, Original H	lole
13,627 0			Capacifica: 19 588-13 580; 0x2004 Capacifica: 13 628-13,627, 0x2004	;	15,11,2014	10,440.0	10,441.0	0.0	]		Done op	g, Original I	
i	W.		Caeed Falls 13 063 (3 663 6650) 16 063 (650)		9/11/2014	10,475.0	10,477.0	6.0		12	Bone Sp	ring, Original H	lole
13,7349 .			Cased Nos. 13 733, 13 725 designed  Cased Nos. 13 733, 13 733, 13 725 designed  Cased Nos. 13 733, 13 733, 13 735 designed  Cased Nos. 13 733, 13 735 designed  Cased Nos. 13 733, 13 735 designed  Cased Nos. 13			<u> </u>	<u> </u>					- <del>-</del>	
13,953.7			Seeg por 13 95-11 55-16 00 05     Seeg Pur Jone 13 95-13 900 5     Bridg Caler 13 950 13 951 1 47 5	5 02 4 778 3-14 H 5 12 4 778 3-15 5 12 4 778 3-16									
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					Page	1/6						Report Printe	d: 3/9/2015



Well Name Lease Field Name Business Unit
RED HILLS 2-25-33 003H Red Hills 2-25-33 RED HILLS Mid-Continent

	A: Land - Original Hole, 3/9/2015 9:49:10 AM	Perforations					
MD (ftKB)	Vertical schematic (actual)	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
24 9		9/11/2014	10,511.0	10,513.0	6.0		Bone Spring, Original Hole
1,2165 ·		9/10/2014	10,549.0	10,550.0	6.0	6	Bone Spring, Original Hole
8,9665 /		9/10/2014	10,585.0	10,586.0	6.0	6	Bone Spring, Original Hole
. 9,8261 .	Command Color of the Color of t	9/10/2014	10,621.0	10,622.0	6.0	6	Bone Spring, Original Hole
9,934 1	Campage   482 9 4 9 1970b;   Campage   482 9 4 1970b;   Campage   482 9 1970b;   Campage   482	9/10/2014	10,656.0	10,658.0	6.0	12	Bone Spring, Original Hole
10,150 9		9/10/2014	10,692.0	10,694.0	6.0	12	Bone Spring, Original Hole
10,259 8 *		9/10/2014	10,730.0	10,731.0	6.0	6	Bone Spring, Original Hole
10,369 1 ,	Comment of the State of Technology of the State of Technology of the State of Technology of the State of Technology of the State of Technology of the State of Technology of the State of Technology of the State of Technology of	9/10/2014	10,766.0	10,767.0	6.0	- 6	Bone Spring, Original Hole
10,586 0		9/10/2014	10,802.0	10,803.0	6.0	6	Bone Spring, Original Hole
10,693 9	Carter   100   1	9/10/2014	10,837.0	10,839.0	6.0	12	Bone Spring, Original Hole
10,803 1		9/10/2014	10,873.0	10,875.0	6.0	12	Bone Spring, Original Hole
11,020 0	Continue California (California)  Continue California (California)  Continue California (California)  Continue California (California)  Continue California (California)  Continue California (California)  Continue California  California (California)  California (Californi	9/10/2014		10,912.0	6.0		Bone Spring, Original Hole
. 11,1289		9/10/2014		10,948.0	6.0		Bone Spring, Original Hole
11,236 9 -	1						
11,455 1	Common (1)(1)(1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	9/10/2014	10,983.0		6.0		Bone Spring, Original Hole
11,563 0 2	Section 1 Annual Conference of the Conference of	9/10/2014		11,020.0	6.0		Bone Spring, Original Hole
11,671,9 -		9/10/2014	11,054.0		6.0		Bone Spring, Original Hole
11,889 1		9/10/2014	11,092.0	11,093.0	6.0	6	Bone Spring, Original Hole
11,998 0	Table	9/10/2014	11,128.0	11,129.0	6.0	6	Bone Spring, Original Hole
12,106 0		9/10/2014	11,164.0	11,165.0	6.0	6	Bone Spring, Original Hole
12,323 2	\$\frac{\tau_{\text{const}}  (are the \$0.270 \text{ (are the \$0	9/10/2014	11,199.0	11,201.0	6.0	12	Bone Spring, Original Hole
12,432,1		9/10/2014	11,235.0	11,237.0	6.0	12	Bone Spring, Original Hole
12,541 0 12,648 9		9/9/2014	11,273.0	11,274.0	6.0	6	Bone Spring, Original Hole
12,756 9 •		9/9/2014	11,309.0	11,310.0	6.0	6	Bone Spring, Original Hole
12,863.8		9/9/2014	11,345.0	11,346.0	6.0	6	Bone Spring, Original Hole
12,975 1		9/9/2014	11,380.0	11,382.0	6.0	12	Bone Spring, Original Hole
13,191 9		9/9/2014	11,416.0	11,418.0	6.0	12	Bone Spring, Original Hole
13,300 9 .		9/9/2014	11,454.0	11,455.0	6.0	6	Bone Spring, Original Hole
13,409 1 4		9/9/2014	11,490.0	11,491.0	6.0	6	Bone Spring, Original Hole
13,627 0	(parties 1920 1926 MOV24  [parties 1950 1950 MOV4  [parties 1950 1950 MOV4  [parties 1950 1950 MOV44  [parties 1950 1950 MOV244	9/9/2014	11,526.0	11,527.0	6.0	6	Bone Spring, Original Hole
13,734.9		9/9/2014	11,561.0	11,563.0	6.0	12	Bone Spring, Original Hole
13,953 7 . 14,083 0 +							
		Page	2/6				Report Printed: 3/9/2015



Well Name Lease Field Name Business Unit RED HILLS 2-25-33 003H Red Hills 2-25-33 RED HILLS Mid-Continent

	RED	HILLS 2-25-33 003	H Red Hills 2-25-33	
		Land - C	riginal Hole, 3/9/2015 9:49:10 AM	Perforation
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	RED HILLS Mid-Continent									
Perforations										
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion					
9/9/2014	11,597.0	11,599.0	6.0	12						
9/9/2014	11,635.0	11,636.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	11,671.0	11,672.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	11,707.0	11,708.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	11,742.0	11,744.0	6.0	12	Bone Spring, Original Hole					
9/9/2014	11,778.0	11,780.0	6.0	12	Bone Spring, Original Hole					
9/9/2014	11,816.0	11,817.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	11,852.0	11,853.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	11,888.0	11,889.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	11,923.0	11,925.0	6.0	12	Bone Spring, Original Hole					
9/9/2014	11,959.0	11,961.0	6.0	12	Bone Spring, Original Hole					
9/9/2014	11,997.0	11,998.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	12,033.0	12,034.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	12,069.0	12,070.0	6.0	6	Bone Spring, Original Hole					
9/9/2014	12,104.0	12,106.0	6.0	12	Bone Spring, Original Hole					
9/9/2014	12,140.0	12,142.0	6.0	12	Bone Spring, Original Hole					
9/8/2014	12,178.0	12,179.0	6.0	6	Bone Spring, Original Hole					
9/8/2014	12,214.0	12,217.0	6.0	6	Bone Spring, Original Hole					
9/8/2014	12,250.0	12,251.0	6.0	6	Bone Spring, Original Hole					
9/8/2014	12,285.0	12,287.0	6.0	12	Bone Spring, Original Hole					
9/8/2014	12,321.0	12,323.0	6.0	12	Bone Spring, Original Hole					
9/8/2014	12,359.0	12,360.0	6.0	6	Bone Spring, Original Hole					
9/8/2014	12,395.0	12,396.0	6.0	6	Bone Spring, Original Hole					
9/8/2014	12,431.0	12,432.0	6.0	6	Bone Spring, Original Hole					
9/8/2014	12,466.0	12,468.0	6.0	12	Bone Spring, Original Hole					
9/8/2014	12,502.0	12,504.0	6.0	12	Bone Spring, Original Hole					
9/7/2014	12,540.0	12,541.0	6.0	6	Bone Spring, Original Hole					
9/7/2014	12,576.0	12,577.0	6.0	6	Bone Spring, Original Hole					
9/7/2014	12,612.0	12,613.0	6.0	6	Bone Spring, Original Hole					
9/7/2014	12,647.0	12,649.0	6.0	12	Bone Spring, Original Hole					

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#### **Wellbore Schematic**

ield Name ease **Business Unit** RED HILLS 2-25-33 003H **RED HILLS** Red Hills 2-25-33 Mid-Continent Land - Original Hole, 3/9/2015 9:49:11 AM Perforations (ftKB Vertical schematic (actual) Dens Entered Shot Top (ftKB) Btm (ftKB) (shots/ft Total Zone & Completion 9/7/2014 12,683.0 12,685.0 6.0 12 Bone Spring, Original Hole 24 9 1,218 5 9/5/2014 12,720.0 6.0 12,721.0 6 Bone Spring, Original Hole Carry Avet 4 991-5 205 1 25, 2 509 6 825, 2-4

Carry Avet 4 991-5 205 34 67 9 506 6 825, 2-5

Carry Avet 5 935-5 270 35 44 6 546 6 825, 3-6

Carry Short 5 935-5 270 3 64 6 546 6 825, 3-6 9/5/2014 12,756.0 12,757.0 6.0 6 Bone Spring, Original Hole = Centry Pap. 2013-202-202-5-72 - Centry Pap. 2013-5-21, 37 2014-1 - Centry Pap. 2013-201-1 - Centry Sept. 2012-2014 - Centry Sept. 2012-2014 - Centry Sept. 2012-2014 9,826 9/5/2014 12,792.0 12,793.0 6.0 6 Bone Spring, Original Hole 9,934 9/5/2014 12,826.0 12,828.0 6.0 12 Bone Spring, Original Hole Cesedinae 19,047 70 D41 91 100014 Cesedinae 19,076 19,079 91 10014 10,043 0 9/5/2014 12,862.0 12,864.0 6.0 12 Bone Spring, Original Hole 10,150 9 10.259 6 9/5/2014 12,901.0 12,902.0 6.0 6 Bone Spring, Original Hole 9/5/2014 12,938.0 12,939.0 6.0 6 Bone Spring, Original Hole Cased Have 10 475-10 417 0/1 1/2014 10,585 9/5/2014 12,973.0 12,975.0 6.0 6 Bone Spring, Original Hole 9/5/2014 13,007.0 13,009.0 6.0 12 Bone Spring, Original Hole 10,803 9/5/2014 13,043.0 13,045.0 6.0 12 Bone Spring, Original Hole 10,912,1 9/5/2014 13,083.0 13,084.0 6.0 6 Bone Spring, Original Hole 11,128 9/5/2014 13,119.0 13,120.0 6.0 6 Bone Spring, Original Hole 11,236 11,348 9/5/2014 13,155.0 13,156.0 6.0 6 Bone Spring, Original Hole 11.455 9/5/2014 13,190.0 13,192.0 6.0 - Cesed Hole: 11 525-11 527 1962014 - Cesed Hole: 11 565 11,562 990004 - Cesed Hole: 11,567-11,560 990014 - Cesed Hole: 11,556-11,560 990014 - Cesed Hole: 11 525-11 536 990014 12 Bone Spring, Original Hole 11,563 9/5/2014 13,226.0 13,228.0 6.0 Smartham 11 073 (1 672 0920)4 Samerham 11 792 11 700 1920014 12 Bone Spring, Original Hole 11,6719 9/4/2014 13,264.0 13,265.0 6.0 6 Bone Spring, Original Hole 9/4/2014 13,300.0 13,301.0 6.0 6 Bone Spring, Original Hole andrew 11907 (1908 9920)4 seedraw 12,033 12,054 9920/4 11,998 - Committee 1/2001/12/89 499994
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Well Name
RED HILLS 2-25-33 003H
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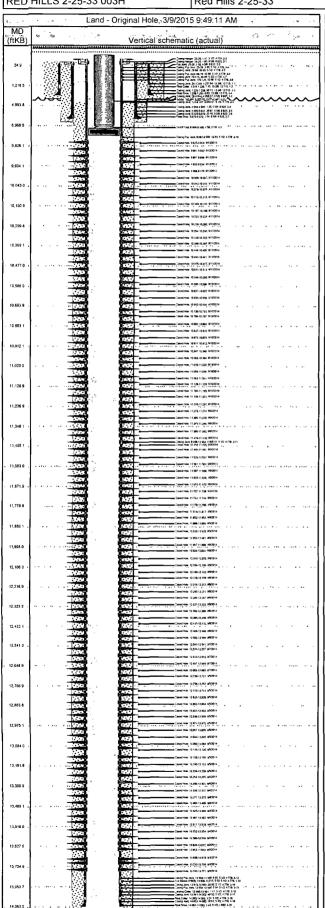
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Bridge Plug (Permanent) Fasdrill		10,5	31. 0	10,5	33. 0	9/11/2014		9/13/2014		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		10,7	'09. 0	10,7	11. 0	9/10/2014		9/13/2014		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		10,8	93.	10,8	95. 0	9/10/	2014	9/13/2014		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		11,0	074.	11,0	76. 0	9/10/	2014	9/13/2014		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		11,2	257. 0	11,2	59. 0	9/10/	2014	9/13/2014		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		11,4	36. 0	11,4	38. 0	9/9/2014		9/13	/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		11,6	0	11,6	19. 0	9/9/2014		9/13	/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		11,7	95.	11,7	97. 0	9/9/2014		9/13/2014		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		11,9	079. 0	11,9	81. 0	9/9/2014		9/13/2014		HAL 8K Obsidian Caged Ball Plug
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Bridge Plug (Permanent) Fasdrill		12,3	341. 0	12,3	43. 0	9/8/2	014	9/13/20		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		12,5	0	12,5	24. 0	9/8/2	2014	014 9/14/20		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		12,8	0	12,8	0		2014	4 9/14/201		HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill		13,0	065. 0	13,0	67. 0			9/14/2014		HAL 8K Obsidian Caged Ball Plug
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Well Name
RED HILLS 2-25-33 003H
Red Hills 2-25-33
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RED HILLS



Other In Hole				4	<del></del> , <del></del>
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Bridge Plug (Permanent) Fasdrill	13,250. 0	13,252. 0	9/5/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	13,427. 0	13,429. 0	9/4/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	13,608. 0	13,610. 0	9/4/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug

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