

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-41907
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name RED HILLS 2 25 33
8. Well Number 003H
9. OGRID Number 241333
10. Pool name or Wildcat RED HILLS; UPR BN SPR, SHALE

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐

2. Name of Operator
CHEVRON MIDCONTINENT, L.P.

3. Address of Operator
15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location

Unit Letter O 215 feet from SOUTH line and 2260 feet from the EAST line

Section 2 Township 25S Range 33E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3427'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER:

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: NEW WELL COMPLETION

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

09/03/2014: MIRU PERFORATING GUNS. PERFORATE 13,626-13,771.

09/04/2014: PERFORATE 13,264-13,590. 09/05/2014: PERFORATE 12,720-13,228.

09/07/2014: PERFORATE 12,540-12,685. 09/08/2014: PERFORATE 12,178-12,505. 09/09/2014: PERFORATE 11,273 -12,142.

09/10/2014: PERFORATE 10,549-11,237. 09/11/2014: PERFORATE 10,006-10,513. 09/12/2014: PERFORATE 9,825-9,970.

09/03 THROUGH 09/12/14: FRAC W/TOTAL PROP: 6,428,909 LBS, 40/70 PREMIUM WHITE: 5,803-650 LBS, 100 MESH: 634,923 LBS, SLICK WATER: 114,944 BBLS, 15% FE ACID: 985 BBLS, 15: FE ACID: 27,000 GALS, WTR FRAC: 58,813 BBLS. 09/15/2014: FLOWING WELL @ 20:00 09/19/2014: SET 2 7/8" TBG @ 8,968. 09/24/2014: RIG DOWN.

10/13/2014: ON 24 HR OPT. FLOWING 50 OIL, 600 GAS, 2277 WATER. GOR-1091. 20/64" CHOKE. 1250# FTP.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Pinkerton TITLE REGULATORY SPECIALIST

DATE: 03/11/2015

Type or print name DENISE PINKERTON
For State Use Only

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

APPROVED BY: Petroleum Engineer TITLE

DATE 03/12/15

Conditions of Approval (if any):

MAR 18 2015



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Report Start Date: 8/13/2014

Com

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-Lift. 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

Com

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

Com

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

Com

Set FW Frac Tanks

Report Start Date: 8/17/2014

Com

RU Water Transfer

Report Start Date: 8/18/2014

Com

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.

SISD

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



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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		Com
RDMO CUDD & AUX. EQUIP.		
Report Start Date: 8/20/2014		
PJSM W/ STONE		Com
INSTALL MISSING BOLTS ON ALL FRAC TKS ON LOCATION		
Report Start Date: 8/21/2014		
NO ACTIVITY. CARRY COSTS.		Com
Report Start Date: 8/22/2014		
NO ACTIVITY. CARRY COSTS.		Com
Report Start Date: 8/23/2014		
TENET OF THE DAY: ALWAYS ENSURE SAFETY DEVICES ARE IN PLACE AND FUNCTIONING		Com
WAITING ON FRAC		
Report Start Date: 8/24/2014		
TENET #4: ALWAYS FOLLOW SAFE WORK PRACTICES AND PROCEDURES		Com
WAITING ON FRAC		
Report Start Date: 8/25/2014		
TENET#5: ALWAYS MEET OR EXCEED CUSTOMERS REQUIREMENTS.		Com
NO ACTIVITY, WAITING ON FRAC		
Report Start Date: 8/26/2014		
TENET # 6: ALWAYS MAINTAIN INTEGRITY OF DEDICATED SYSTEMS		Com
NO ACTIVITY, WAITING ON FRAC,		
Report Start Date: 8/27/2014		
ALWAYS COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS		Com
NO ACTIVITY, CARRYING COST		
Report Start Date: 8/28/2014		
TENET #8: ALWAYS ADDRESS ABNORMAL CONDITIONS		Com
NO ACTIVITY, CARRYING COST		
Report Start Date: 8/29/2014		
HOLD PJSA WITH CREWS		Com
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.		



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

RD HALLIBURTON PUMP TRUCK	Com
Report Start Date: 8/30/2014	
HELD PJSA WITH OIL STATES, WW, B&C. REVIEW ALL JSA'S	Com
NIPPLE DOWN CROWN VALVE.	
RIG UP OIL STATES ISOLATION TOOL AND GOAT HEAD.	
MIRU CASED HOLE E-LINE SER.	
Report Start Date: 8/31/2014	
PJSM W/ FESCO	Com
RU FLOWBACK EQUIP. TO TREE SAVER	
Report Start Date: 9/1/2014	
SPOT SAND CASTLES & MOVERS, FILL SAME	Com
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 INSUFFICIENT PERSONNEL	
Report Start Date: 9/2/2014	
Operations suspended until day crew arrives on location.	Com
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	
MU/PU perforating guns and dummy plug and lubricator on WH .	Com
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.	



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Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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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
13,662' - 13,663'	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 communications 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.



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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 6,428,909 lbs.
40/70 Premium White 5,803,650 lbs
100 mesh 634,923 lbs
Slick water 114,944 lbs
15% FE ACID 985 lbs
15% FE ACID 27,000 gal
WTR frac 54813 lbs

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

SICP: 2050 psi

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

Open well

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 perf

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

Perforate as follows:

13,588' - 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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Complete

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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

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

TIH, 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.



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Complete

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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.

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

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 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' - 13,192' 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.



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

SICP: 2100 psi

Perf Stage #6 Avalon 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 perf

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

Perforate as follows:

13,043' - 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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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

Com

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 UMW. 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 consisting 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'



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

SICP: 1800 psi, SIICP: 250 psi, SISCIP: 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 UMW. 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 and jet 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

Com

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 union 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

Avg 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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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 assay: 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

RIH, 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 assay: 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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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

Com

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

POOH, all shots fired, 42 total holes.



Summary Report

Completion**Complete****Job Start Date: 8/13/2014****Job End Date: 9/24/2014**

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

Com

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 well

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 assay: 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 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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

SICP: 2300 psi

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

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 @ 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 assay: 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' - 11,708'	6 spf	6 shots	19 gm	60 degree phase
11,671' - 11,672'	6 spf	6 shots	19 gm	60 degree phase
11,635' - 11,636'	6 spf	6 shots	19 gm	60 degree phase

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

Avg 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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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 assay: 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

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 @ 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 assay: 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.



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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

Report Start Date: 9/10/2014

Com

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
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.

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' – 11,201'	6 spf	12 shots	19 gm	60 degree phase
11,164' – 11,165'	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

POOH, all shots fired, 42 total holes.



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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	12 shots	19 gm	60 degree phase
11,018' – 11,020'	6 spf	12 shots	19 gm	60 degree phase
10,983' – 10,984'	6 spf	6 shots	19 gm	60 degree phase
10,947' – 10,948'	6 spf	6 shots	19 gm	60 degree phase
10,911' – 10,912'	6 spf	6 shots	19 gm	60 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.



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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 HCl 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 spf 12 shots 19 gm 60 degree phase
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
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.



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

SIGP: 2400 psi

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

Open well

RIH, 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 assay: 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

POOH at time of report.

Report Start Date: 9/11/2014

Com

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.



Summary Report

Completion
Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

SICP: 2600 psi

Perf Stage #20 10368'-10513'

Open well

RIH, 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 gel 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.



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

SICP: 2510 psi

Perf Stage #21 F/10187'-10332'

Open well

RIH, 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.



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

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 assay: 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

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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

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 assay: 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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

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	1	Dual BPV
6.45	2.88	0.9	Global Jars
2.02	2.88	0.656	Hydraulic Disconnect
1.37	2.88	0.56	Dual Circulating Sub
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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

Com

WHP: 1980 psi
CTP: 4170 psi
Pump Rate: 2.8 bbl/min
Returns: 3.2 bbl/min

6:40 Tag Plug #3 10,350' DO in 13 minutes
7:06 Tag Plug #4 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 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'



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

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
19:23 Tag Plug #13 12,160' DO in 13 minutes
20:00 Tag Plug #14 12,341' DO in 12 minutes
20:45 Tag Plug #15 12,522'

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 to Tag 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 UMW. Open and bleed coil to OTT.

SICP: 2100



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

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



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

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 mats
Moving frac tanks off location
WSI W/ 2000 PSI

Report Start Date: 9/18/2014

Com

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 perms

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'

BHA	ID	OD	Length
X nipple O/O tool		2.31	2.875 1.31
AS1X Packer	2.44	4.50	7.00
Pup Jt	2.44	2.875	5.71
XN Nipple	2.31	2.875	.85
2.875 Collar	2.44	3.680	.45
Pup Jt	2.44	2.875	3.71
Pump out	2.44	2.875	.45
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 Equipment released

WSI/Monitor Pressure

Report Start Date: 9/19/2014

Com

WELL SI NO ACTIVITY

CREW TRAVEL TO LOCATION



Summary Report

Completion

Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

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 DECISIONS THAT AFFECT PROCEDURES & EQUIPMENT

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 0PSI, 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

Com

WELL SI NO ACTIVITY

CREW TRAVEL TO LOCATION



Summary Report

Completion
Complete

Job Start Date: 8/13/2014

Job End Date: 9/24/2014

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

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

9-24-14 Rig down



Casing Summary

30-025-41907

HOBBS
MAR 1 8 2015

RECEIVED

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

Surface, Planned?-N, 1,259ftKB

Set Depth (MD) (ftKB) 1,259		Set Tension (kips)		String Nominal OD (in) 13 3/8		String Min Drift (in)		Centralizers 11		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
28	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	-9	1,219	1,227.04		
1	Float Collar	13 3/8	12.715			ST&C	1,219	1,220	1.10		
1	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	1,220	1,258	38.73		
1	Float Shoe	13 3/8	12.715			ST&C	1,258	1,259	0.65		

Intermediate Casing 1, Planned?-N, 5,072ftKB

Set Depth (MD) (ftKB) 5,072		Set Tension (kips)		String Nominal OD (in) 9 5/8		String Min Drift (in) 8.688		Centralizers 34		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	Casing Hanger	9 5/8	8.835	40.00	HCK-55		24	25	1.00		
1	Pup Joint	9 5/8	8.835	40.00	HCK-55		25	28	3.18		
12	Casing Joint	9 5/8	8.835	40.00	HCK-55		28	4,994	4,965.57		
8											
1	Casing Joint	9 5/8	8.835				4,994	4,995	1.25		2,570.0
1	Casing Joint	9 5/8	8.835	40.00	HCK-55		4,995	5,035	39.87		
1	Casing Joint	9 5/8	8.835	40.00	HCK-55		5,035	5,070	35.48	3,950.0	4,230.0
1	Float Shoe	9 5/8	8.835				5,070	5,072	1.64		

Production Casing, Planned?-N, 14,083ftKB

Set Depth (MD) (ftKB) 14,083		Set Tension (kips)		String Nominal OD (in) 5 1/2		String Min Drift (in)		Centralizers Tesco & Bow Spring		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
0	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 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	8,860.81		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
6											
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	14,082	78.61		8,830.0
1	Float Shoe	5 1/2	4.892				14,082	14,083	1.42		7,480.0



Cement Summary

Production Casing Cement

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

Original Hole

Wellbore Name Original Hole	Directional Type Horizontal	Kick Off Depth (ftKB) 9,036	Vertical Section Direction (°) 359.70
Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	
17 1/2	24.0	1,260.0	
12 1/4	1,260.0	5,082.0	
8 3/4	5,082.0	14,105.0	

<typ>, <make> on <dtmstart>

Type	Install Date				
Des	Make	Model	WP (psi)	Service	SN

Surface, Planned?-N, 1,259ftKB

Casing Description Surface		Wellbore Original Hole		Run Date 7/20/2014		Set Depth (MD) (ftKB) 1,259		Stick Up (ftKB) 8.5		Set Tension (kips)	
Centralizers 11						Scratchers					
Jts	Item Des	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-40		ST&C	1,227.04	-9	1,219	
1	Float Collar	13 3/8	12.715				ST&C	1.10	1,219	1,220	
1	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	38.73	1,220	1,258	
1	Float Shoe	13 3/8	12.715				ST&C	0.65	1,258	1,259	

Intermediate Casing 1, Planned?-N, 5,072ftKB

Casing Description		Wellbore		Run Date		Set Depth (MD) (ftKB)		Stick Up (ftKB)		Set Tension (kips)	
Intermediate Casing 1		Original Hole		7/26/2014		5,072		-24.0			
Centralizers						Scratchers					
34											
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	
1	Casing Hanger	9 5/8	8.835	40.00	HCK-55			1.00	24	25	
1	Pup Joint	9 5/8	8.835	40.00	HCK-55			3.18	25	28	
128	Casing Joint	9 5/8	8.835	40.00	HCK-55			4,965.57	28	4,994	
1	Casing Joint	9 5/8	8.835					1.25	4,994	4,995	
1	Casing Joint	9 5/8	8.835	40.00	HCK-55			39.87	4,995	5,035	
1	Casing Joint	9 5/8	8.835	40.00	HCK-55			35.48	5,035	5,070	
1	Float Shoe	9 5/8	8.835					1.64	5,070	5,072	

Production Casing, Planned?-N, 14,083ftKB

Casing Description		Wellbore		Run Date		Set Depth (MD) (ftKB)		Stick Up (ftKB)		Set Tension (kips)	
Production Casing		Original Hole		8/7/2014		14,083		-23.1			
Centralizers						Scratchers					
Tesco & Bow Spring											
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	
0	Casing Joint	5 1/2	4.778	20.00	L-80			0.00	23	23	
0	Landing Joint	5 1/2	4.778	20.00	L-80			0.00	23	23	
1	Casing Hanger	5 1/2	4.778	20.00	L-80			1.91	23	25	
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			3.30	25	28	
1	Casing Joint	5 1/2	4.778	20.00	L-80			39.95	28	68	
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			10.98	68	79	
1	Casing Joint	5 1/2	4.778	20.00	L-80			36.09	79	115	
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			10.98	115	126	
228	Casing Joint	5 1/2	4.778	20.00	L-80			8,860.81	126	8,987	
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			10.89	8,987	8,998	
126	Casing Joint	5 1/2	4.778	20.00	L-80			4,905.31	8,998	13,903	
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			5.95	13,903	13,909	
1	Toe Sleeve (RSCI)	5 1/2	4.778	20.00	L-80			5.50	13,909	13,915	
1	Casing Joint	5 1/2	4.778	20.00	L-80			39.09	13,915	13,954	
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			5.94	13,954	13,960	
1	Landing Collar	5 1/2	4.778	20.00	L-80			1.41	13,960	13,961	
1	Casing Joint	5 1/2	4.778	20.00	L-80			40.52	13,961	14,002	
1	Float Collar	5 1/2	4.778	20.00	L-80			1.24	14,002	14,003	



Cement Summary

Production Casing Cement

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

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
2	Casing Joint	5 1/2	4.778	20.00	L-80			78.61	14,003	14,082
1	Float Shoe	5 1/2	4.892					1.42	14,082	14,083

Production Casing Cement, Casing, 8/8/2014 00:00

Cementing Start Date 8/8/2014		Cementing End Date 8/8/2014		Wellbore Original Hole	
Evaluation Method Returns to Surface		Cement Evaluation Results No spacer or cement to surface			
Comment					

<stagenum>, <depthtop>-<depthbtm>ftKB

Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return? N	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 Pump Pressure (psi)	Plug Bump Pressure (psi)
Pipe Reciprocated? N	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 (ft ³ /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

Add	Type	Conc

1, 4,550.0-14,105.0ftKB

Top Depth (ftKB) 4,550.0	Bottom Depth (ftKB) 14,105.0	Full Return? N	Vol Cement Ret (bbl)	Top Plug? N	Bottom Plug? N
Initial Pump Rate (bbl/min) 7	Final Pump Rate (bbl/min) 3	Avg Pump Rate (bbl/min) 5		Final Pump Pressure (psi)	Plug Bump Pressure (psi)
Pipe Reciprocated? N	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 (ft ³ /sack)	Fluid Mix Ratio (gal/sack)
Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

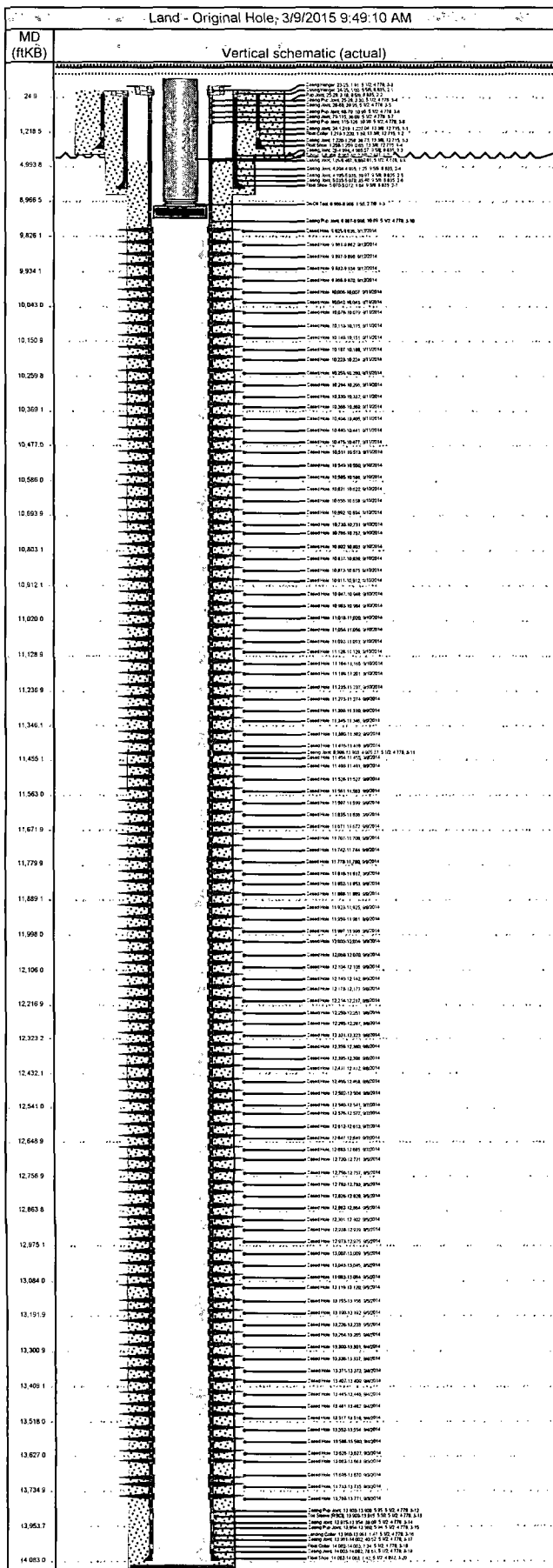
Cement Fluid Additives

Add	Type	Conc



Wellbore Schematic

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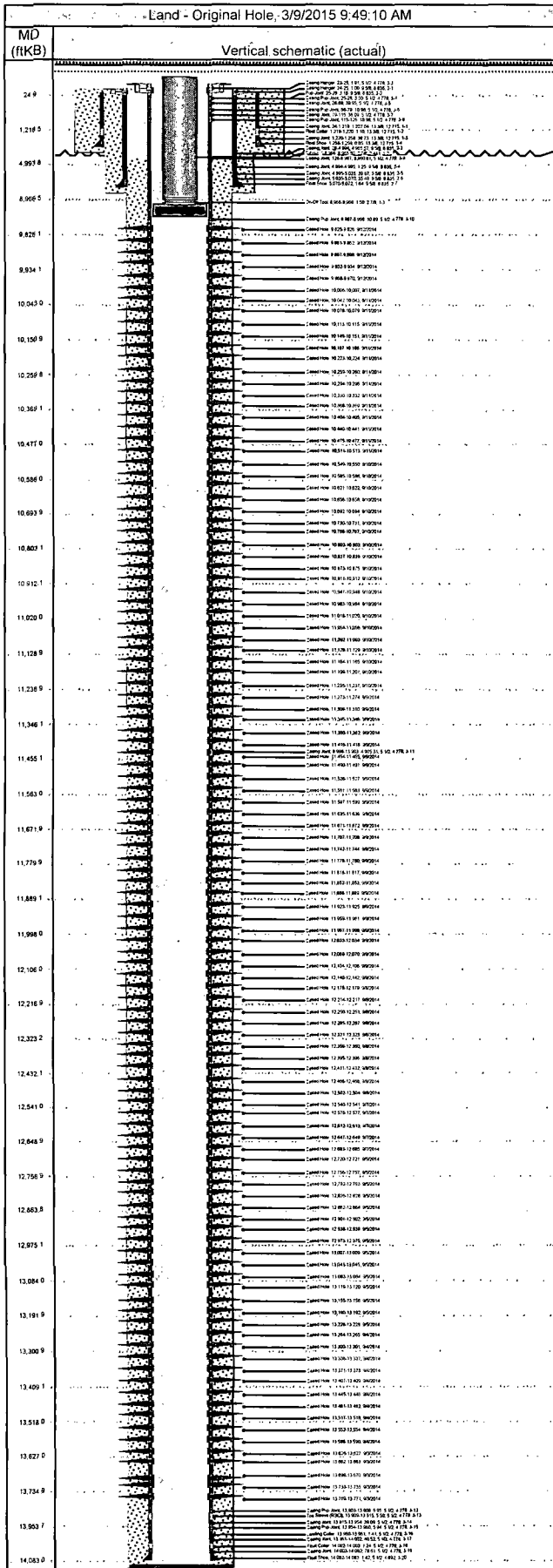


Job Details					
Job Category		Start Date		Release Date	
Completion		8/13/2014		8/19/2014	
Completion		8/19/2014		8/19/2014	
Completion		8/20/2014		8/28/2014	
Completion		8/29/2014		8/29/2014	
Completion		8/30/2014		9/1/2014	
Completion		9/2/2014		9/12/2014	
Completion		9/12/2014		9/17/2014	
Completion		9/17/2014		9/24/2014	
Casing Strings					
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)
Surface	13 3/8	48.00	H-40	ST&C	1,259
Intermediate Casing	9 5/8	40.00	HCK-55		5,072
Production Casing	5 1/2	20.00	L-80		14,083
Tubing Strings					
Tubing - Production set at 8,968.0ftKB on 9/19/2014 14:00					
Tubing Description		Run Date	String Length (ft)	Set Depth (MD) (ftKB)	
Tubing - Production		9/19/2014	8,968.00	8,968.0	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)
HANGER					0.70
Tubing		2 7/8	6.50	L-80	8,965.80
On-Off Tool		2 7/8			1.50
Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
9/12/2014	9,825.0	9,826.0	6.0	6	Bone Spring, Original Hole
9/12/2014	9,861.0	9,862.0	6.0	6	Bone Spring, Original Hole
9/12/2014	9,897.0	9,898.0	6.0	6	Bone Spring, Original Hole
9/12/2014	9,932.0	9,934.0	6.0	12	Bone Spring, Original Hole
9/12/2014	9,968.0	9,970.0	6.0	12	Bone Spring, Original Hole
9/11/2014	10,006.0	10,007.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,042.0	10,043.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,078.0	10,079.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,113.0	10,115.0	6.0	12	Bone Spring, Original Hole
9/11/2014	10,149.0	10,151.0	6.0	12	Bone Spring, Original Hole
9/11/2014	10,187.0	10,188.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,223.0	10,224.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,259.0	10,260.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,294.0	10,296.0	6.0	12	Bone Spring, Original Hole
9/11/2014	10,330.0	10,332.0	6.0	12	Bone Spring, Original Hole
9/11/2014	10,368.0	10,369.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,404.0	10,405.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,440.0	10,441.0	6.0	6	Bone Spring, Original Hole
9/11/2014	10,475.0	10,477.0	6.0	12	Bone Spring, Original Hole



Wellbore Schematic

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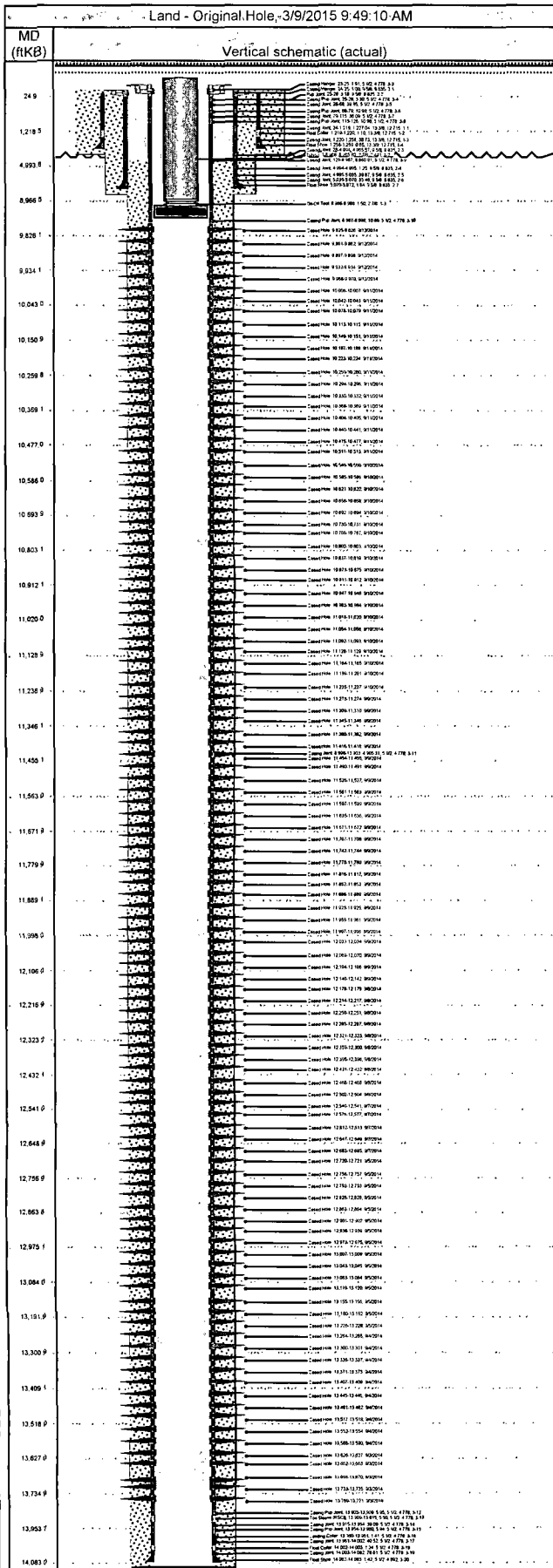


Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
9/11/2014	10,511.0	10,513.0	6.0	12	Bone Spring, Original Hole
9/10/2014	10,549.0	10,550.0	6.0	6	Bone Spring, Original Hole
9/10/2014	10,585.0	10,586.0	6.0	6	Bone Spring, Original Hole
9/10/2014	10,621.0	10,622.0	6.0	6	Bone Spring, Original Hole
9/10/2014	10,656.0	10,658.0	6.0	12	Bone Spring, Original Hole
9/10/2014	10,692.0	10,694.0	6.0	12	Bone Spring, Original Hole
9/10/2014	10,730.0	10,731.0	6.0	6	Bone Spring, Original Hole
9/10/2014	10,766.0	10,767.0	6.0	6	Bone Spring, Original Hole
9/10/2014	10,802.0	10,803.0	6.0	6	Bone Spring, Original Hole
9/10/2014	10,837.0	10,839.0	6.0	12	Bone Spring, Original Hole
9/10/2014	10,873.0	10,875.0	6.0	12	Bone Spring, Original Hole
9/10/2014	10,911.0	10,912.0	6.0	6	Bone Spring, Original Hole
9/10/2014	10,947.0	10,948.0	6.0	6	Bone Spring, Original Hole
9/10/2014	10,983.0	10,984.0	6.0	6	Bone Spring, Original Hole
9/10/2014	11,018.0	11,020.0	6.0	12	Bone Spring, Original Hole
9/10/2014	11,054.0	11,056.0	6.0	12	Bone Spring, Original Hole
9/10/2014	11,092.0	11,093.0	6.0	6	Bone Spring, Original Hole
9/10/2014	11,128.0	11,129.0	6.0	6	Bone Spring, Original Hole
9/10/2014	11,164.0	11,165.0	6.0	6	Bone Spring, Original Hole
9/10/2014	11,199.0	11,201.0	6.0	12	Bone Spring, Original Hole
9/10/2014	11,235.0	11,237.0	6.0	12	Bone Spring, Original Hole
9/9/2014	11,273.0	11,274.0	6.0	6	Bone Spring, Original Hole
9/9/2014	11,309.0	11,310.0	6.0	6	Bone Spring, Original Hole
9/9/2014	11,345.0	11,346.0	6.0	6	Bone Spring, Original Hole
9/9/2014	11,380.0	11,382.0	6.0	12	Bone Spring, Original Hole
9/9/2014	11,416.0	11,418.0	6.0	12	Bone Spring, Original Hole
9/9/2014	11,454.0	11,455.0	6.0	6	Bone Spring, Original Hole
9/9/2014	11,490.0	11,491.0	6.0	6	Bone Spring, Original Hole
9/9/2014	11,526.0	11,527.0	6.0	6	Bone Spring, Original Hole
9/9/2014	11,561.0	11,563.0	6.0	12	Bone Spring, Original Hole



Wellbore Schematic

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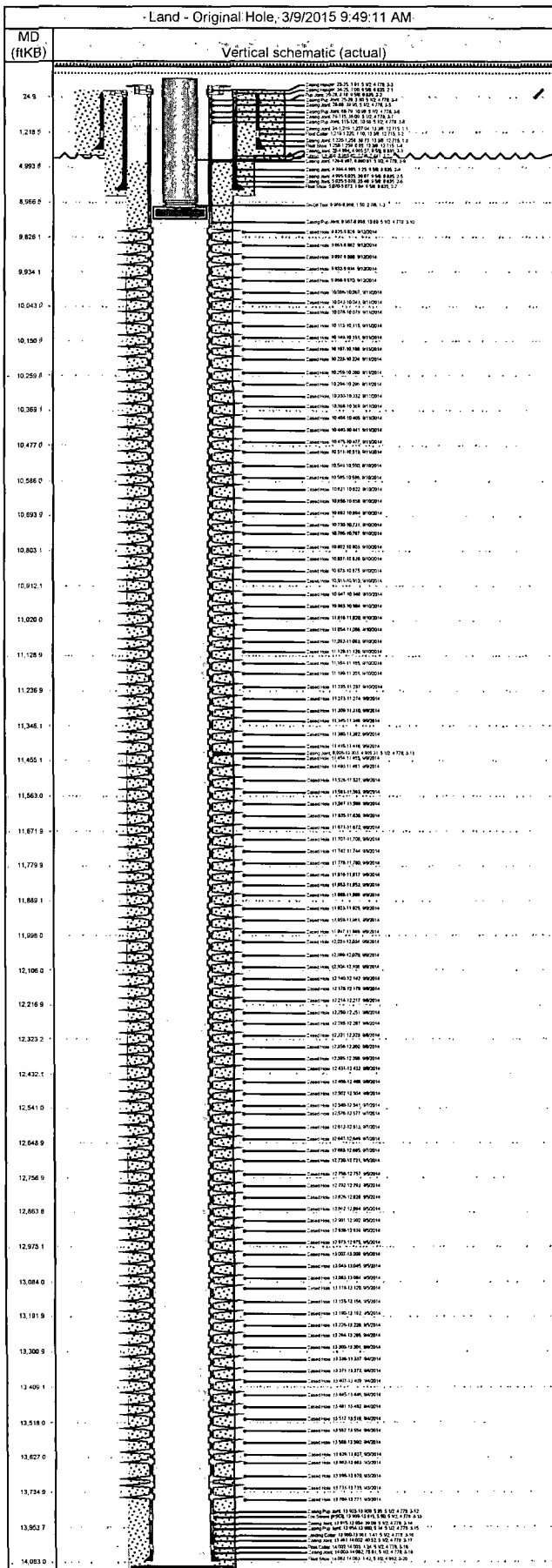
Perforations					
Date	Top (ftKB)	Blm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
9/9/2014	11,597.0	11,599.0	6.0	12	Bone Spring, Original Hole
9/9/2014	11,635.0	11,636.0	6.0	6	Bone Spring, Original Hole
9/9/2014	11,671.0	11,672.0	6.0	6	Bone Spring, Original Hole
9/9/2014	11,707.0	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





Wellbore Schematic

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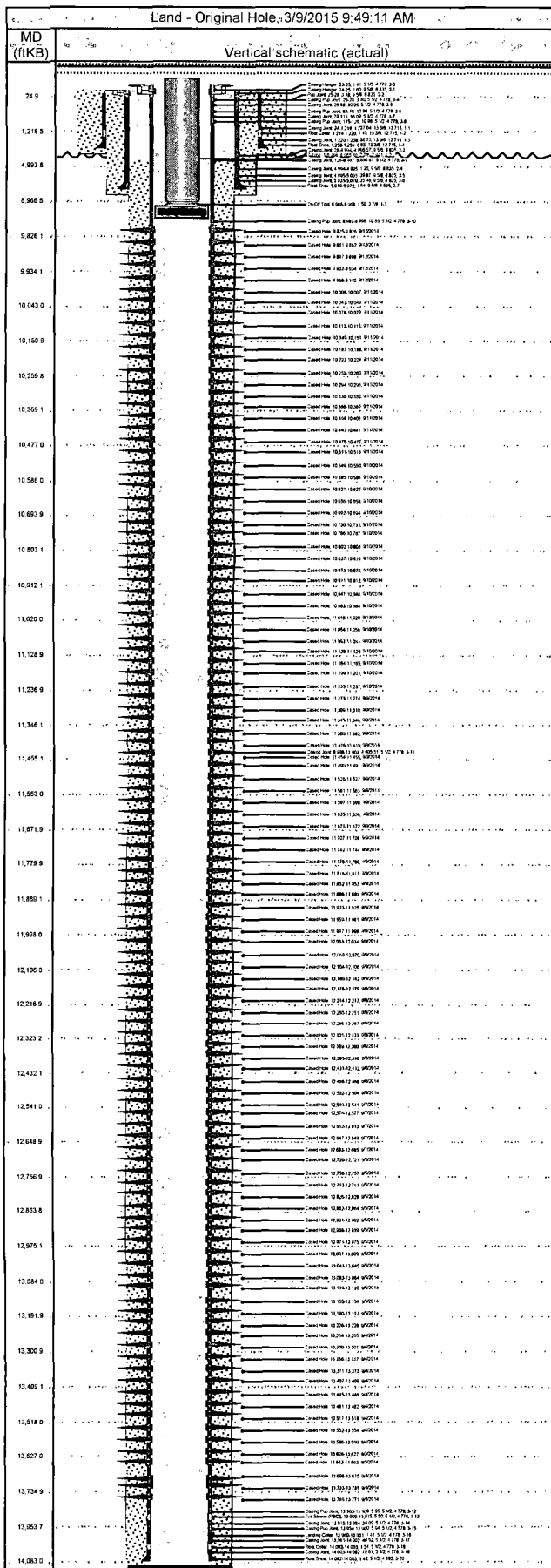


Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
9/3/2014	13,769.0	13,771.0	6.0	12	Bone Spring, Original Hole
Other Strings					
Run Date	Pull Date	Set Depth (ftKB)	Com		
Other In Hole					
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Packer (retrievable)	8,968.0	8,988.0	9/18/2014		Weatherford AS1X
Bridge Plug (Permanent) Fasdrill	9,988.0	9,990.0	9/12/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,173.0	10,175.0	9/11/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,350.0	10,352.0	9/11/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,531.0	10,533.0	9/11/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,709.0	10,711.0	9/10/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,893.0	10,895.0	9/10/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,074.0	11,076.0	9/10/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,257.0	11,259.0	9/10/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,436.0	11,438.0	9/9/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,617.0	11,619.0	9/9/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,795.0	11,797.0	9/9/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,979.0	11,981.0	9/9/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,160.0	12,162.0	9/9/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,341.0	12,343.0	9/8/2014	9/13/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,522.0	12,524.0	9/8/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,884.0	12,886.0	9/6/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	13,065.0	13,067.0	9/5/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug



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Other In Hole					
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Bridge Plug (Permanent) Fasdri	13,250.0	13,252.0	9/5/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdri	13,427.0	13,429.0	9/4/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdri	13,608.0	13,610.0	9/4/2014	9/14/2014	HAL 8K Obsidian Caged Ball Plug