Submit 1 Copy To Appropriate District Office	State of Nev			Form C-103
District I - (575) 393-6161	Energy, Minerals and	Natural Resources	WELL ADINO	Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283			WELL API NO. 30-025-42059	
811 S. First St., Artesia, NM 88210	OIL CONSERVAT		5. Indicate Type of Le	ease
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St.		STATE	FEE 🛛
<u>District IV</u> – (505) 476-3460	Santa Fe, N	M 87505	6. State Oil & Gas Le	ase No.
1220 S. St. Francis Dr., Santa Fe, NM 87505				
SUNDRY NOTICE	ES AND REPORTS ON W		7. Lease Name or Uni	t Agreement Name
(DO NOT USE THIS FORM FOR PROPOSA DIFFERENT RESERVOIR. USE "APPLICA	TION FOR PERMIT" (FORM C.1	IOI) FOR SUCH		
PROPOSALS.)		HOBBS OCD	6 GRAMMA RIDGE 1 8. Well Number 5H	4 24 34
				/
2. Name of Operator CHEVRON U.S.A. INC.		DEC 21 2015	9. OGRID Number	4323
3. Address of Operator		DEC	10. Pool name or Wile	dcat
15 SMITH ROAD, MIDLAND, TEX	XAS 79705	RECEIVED	RED HILLS; BONE S	PRING, NORTH
4. Well Location		KECEL		
Unit Letter: C 330 feet fr	rom NORTH line and 231	0 feet from the WEST	line	/
Section 14	Township 24S	Range 34E	NMPM Cou	unty LEA
	11. Elevation (Show whethe 3500' GL	er DR, RKB, RT, GR, etc.	)	
	3300 GE			
12 Check Ar	propriate Box to Indica	ate Nature of Notice	Report or Other Dat	a
NOTICE OF INT	A STATE OF THE STA		SEQUENT REPO	
	PLUG AND ABANDON    OUTPUT   TO THE PLANTS  TO THE			ERING CASING
	CHANGE PLANS  MULTIPLE COMPL	CASING/CEMEN		ND A
DOWNHOLE COMMINGLE	MOLTIFEE COMPL	CASING/CEIVIEN	1308	
CLOSED-LOOP SYSTEM				
OTHER:			W WELL COMPLETION	Contractor
13. Describe proposed or complet of starting any proposed work				
proposed completion or recon		WIAC. For Multiple Co	inpletions. Attach went	ore diagram of
	REPORT ATTACHED).			
08/08/2015 THROUGH 08/13/2015: 1				ALL INTERVALS)
FRAC W/CLEAN VOLUME – 5,690, 08/16/2015: WELL FLOWING @ 1.3			3.	
08/26/2015: SET 2 7/8" TBG @ 8825				
08/27/2015: RIG DOWN.		,		
	DIG 500 OF 001 G1 G	4500 W. (500 CO)		
09/22/2015: ON 24 HR OPT. FLOW	ING 523 OIL, 824 GAS, &	1728 WATER. GOR-	1652	
			17.50	
Spud Date:	Rig Relea	ise Date:		
1011				10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
I hereby certify that the information ab	ove is true and complete to	the best of my knowledg	ge and belief.	
$\mathcal{L} = ($	VI			
SIGNATURE MUSEL FOR	RETURN TITLE	REGULATORY SPECI	ALIST DATE	12/15/2015
	(m)			
Type or print name DENISE PINKEL	RTON E-mail a	ddress: leakejd@chevro	on.com PHONE:	432-687-7375
For State Use Only				,
ADDROVED BY:	TITLE	Petroleum Engineer	DATE	01/17/16
APPROVED BY: Conditions of Approval (if any):	1		DATE_	-110111)
(II uii)				



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

Report Start Date: 7/30/2015

Com

No Activity

PJSM

Back fill cellar. Plumb in cellar with 5 K iron and 5 K valves. Paint Interemdiate casing riser Blue and Surface casing riser White. NOTE: INTERMEDIATE CASING RISER HIGHER OF THE TWO

After filling cellar with pea gravel grade and smooth location. Spot Fresh water tanks on location for frac job.

Fill intermediate casing . It take 20 bbls to fill casing. Pressure test Intermediate casing to production annlus to 1000 psi for 30 minutes. Test successful. Bleed down.

Continue moving in Water transfer equipment.

No Activity

Report Start Date: 7/31/2015

Com

No activity

**PJSM** 

N/D 7 1/16" 10M night cap from top of 7 1/16" Well head N/U fesco LMV. Remove 5" Type H BPV and Install 5" Type H Two-Way Check.then close LMV Pressure test with EPS Test unit. LMV 7 1/16 10 K connection to well head and LMV 350 psi low pressure 5 min. 10000 psi high test for 5 minutes Test Good.

. Then N/U as follows:Fesco 7-1/16" 10M Upper Master Hydraulic Frac Valve 7-1/16" Flow cross Two (2) 4-1/16" 10M Valves (inner manual / outer hydraulic) on both sides 7-1/16" 10M Crown Manual Frac Valve . & RU flowback equipment with 2 OTT.

Pressure trst Fesco frac stack. 350 psi low and 10000 psi high. Pressure settles at 9800 pai. Test good. bleed off and R/D test unit.

PJSM

R/U Two CHS Pump trucks with 3" iron.

Flush line and prime both pumps. Then pressure test lines to 10400 psi Pressure test good. Bleed off lines and open well.

Pressure up on production casing to 9860 psi and Hold test.IC 350 psi. Pressure drops to 9770 psi and RSI opens after 50 minutes. In 5 minutes pressure drops to 2200 psi.

Start injection into formation for 1 minutes intervals

3 bpm 4200 psi

6 bpm 8500 psi

7 bpm 8700 psi

8 bpm 8600 psi

9 bpm 9000 psi

At 9 bpm pressure rose to 9750 psi and started kicking pumps out

Shut down Contact CE

Pressure falls from 9750 psi to 1272 psi. Shut well in for evening. Decision made to inject into formation and then spot 15 % HCL acid in morning.

No Activity

Report Start Date: 8/1/2015

Com

No Activity

PJSM

R/U transfer pump to FW tanks to feed CHS pumps during pump down. Load tanks with FW and spot remaining frac tanks on location.

Pressure test surface equipment to 10400 psi Test good bleed off to equalize to well pressure.

Initial WH at 1320 psi IC 500 psi. Start injecting down production csg. at 3 bpm.At 3 bpm pressures rises to 9700 psi and kick off pumps let pressure bleed down and come into it at 1.6 bpm stabalizes at 8950 psi then increase rate to 2.6 bpm pressures stablizes at 9300 psilncrease to 3 bpm pressures stablizes at 9150 psi. Increase to 3.5 bpm pressure stablize at 9250 psi Go to 4 bpm pressure stablize at 9175 psi. Increase to 4.5 bpm pressure stablizes at 9130 psi go to 5 bpm with 200 bbls pumped start pumping acid treatment 200 gal 15% HCL at 5 bpm. With all acid pumped increase rate to 6 bpm 8650 psi IC goes to 1200 psi bleed down to 900 psi. Increase rate to 7 bpm before acid goes out in formation pressure at 8750 psi. As acid hits increase rate to 15 bpm stablizes at 5900 psi over displace 100 bbls then spot second acid treatment 2000 gal 15% HCL Acid. Pressure at 4860 psi as acid hits rises to 5070 psi with all acid out pressure drops back down to 4750 psi with 100 bbls over displaced acid pressure at 4450 psi Shut down. ISIP 3480 psi. Allow pressure to fall forn 5 minutes. Final pressure 1840 psi.Shut in well.

**PJSM** 

R/D CHS pump truck.

Continue spotting pump down tanks and setting road crossing fill all tanks with FW Place 196 bbls in each acid tank as per Hallburton.

No Activity

Report Start Date: 8/2/2015

Com

No Activity

PJSM

Lay 36x60 contaniment mat for pump down side. off load containment for frac spread



Completion
Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

Com

No Actavity

Report Start Date: 8/3/2015

Com

No activity on location.

PJSM w/ Hal prior to MIRU equip. Review JSA and hazards. Go over muster area, sign in/out, TIF, ERP, SWA.

MIRU mountain movers, sand castles, and "T" Belt.

No activity on location.

Report Start Date: 8/4/2015

Com

No Activity. WO frac crews

Report Start Date: 8/5/2015

Com

No activity on location.

Offload sand.

Report Start Date: 8/6/2015

Com

No activity on location. Cost update only.

Report Start Date: 8/7/2015

Com

No Activity

HSM & PJSA. Discuss Scope of Job, 360 my-space, WTJSA, slips-trips-falls, communication

Maintenance on crane

No Activity

PJSM w/ Hal prior to MIRU pump down side of frac spread. Go over JSA/hazards/mitigation. Review Tenet, Hazard, TIF, ERP, muster points, good communcation, CVX expectations, staying hydrated and use of SWA.

Begin MIRU Hal pump down side. Continue into next reporting day.

Report Start Date: 8/8/2015

Com

MIRU Hal pump down side

PJSM w/ Hal daylight crew. Go over JSA/hazards/mitigation. Review Tenet, Hazard, TIF, ERP, SWA, muster points, CVX expectations, good communication, staying hydrated.

Cont. R/U of pump down equipment

HSM & PJSA. Discuss Scope of Job, 360 my-space, WTJSA, SWA, TIF, ERP, PPE, slips-trips-falls, Chevron idling policy, over head loads, tag lines, line of fire, proper lifting techniques, heat, communication

MIRU Hal WLU, EPS torque/test, PWR 10K pressure control. ND Crown Valve. NU Goat Head on top of flow cross. NU Crown Valve, WL Flange and BOPE. Cont' RU Hal pump down lines to Goat Head and restrain.

NOTE: Begin mixing acid in tanks

Prime up pump lines to OTT. Test to 250/9000 psi. At 8000 psi developed leak @ Fesco manifold and Halliburton bleed off iron. Replace seals and retest. Test against hudraulic master valve to 250/9000 psi. Good test. Bleed to "0" psi.

PU lubricator and CCL w/ wt bars. MU on BOPE and test to 250/8000 psi.

WHP: 800

PU guns for stage #1,

Four clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg,

N/U lubricatorr & equalize to well.

TIH w/ guns and 4.35" dummy plug to 464' and SD (Collar @ 444'). String weight 298 lbs. PU to 350' TIH to 464' and fall thru tight spot. PU back thru tight spot @ 200 lbs over string wt. TIH thru tight spot @ 464' again and work thru. TOOH to surface and inspect dummy plug. Marks on dummy plug @ tip. Recaliper dummy plug @ 4.35".

NOTE: Call CS and discuss perforating stage #1 and then Run GR/JB/CCL on tight section before attempting to run frac plugs.

"Perf Stage #1

Plug Setting Depth: NA'

Perf Depths: 13,798', 13,748', 13,694', 13,642', 13,590'

60° Phasing

Notes: TIH w/ CCL guns BHA correlating w/ SJ @ 8850'-8860'. Pump down using 281 bbls treated water @ 14.7 bpm @ 251 fpm. Max pressure 5312 psi. Total 48 shots"

Continue to rig up frac equipment and load acid

PJSM w/ Hal W/L, Fesco, TNT, EPS, PWR. Go over scope of job for GR/JB run. Review JSA/hazards/mitigation. Go over muster points, TIF, 360 MySpace.

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Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

**Business Unit** Gramma Ridge 14-24-34 GRAMMA RIDGE 14-24-34 005H Red Hills North Mid-Continent Ground Elevation (ft) Original RKB (ft) Current RKB Elevation Mud Line Elevation (ft) Water Depth (ft) 3,500.00 3,524.50 3,524.50, 6/12/2015

P/U 4.5" GR/JB

P/U lubricator

Equalize and open well.

TIH on W/L

Continue into next reporting day.

Report Start Date: 8/9/2015

Com

SIICP: "0", SIPCP: 800

Make 8 WL runs trouble shooting tight spot. 6 runs w/ same results as follows:

GR/JB/CCL TIH to 445' SD TOH. 1. 4.5"

2. 4.4" GR/JB/CCL TIH to 445' SD TOH

3. 4.385" GR/JB/CCL TIH to 445' SD TOH

4. 4.2" GR/JB/CCL TIH to 445' SD TOH 5. 3.65" GR/JB/CCL TIH to 445' SD TOH

6. 3.125" Wt bars/CCL TIH to 445' SD TOH

WL cut off 65' line and and rehead.

7. 3.125" Wt.bars/CCL TIH to 380' SD. TOH

WL cut off 500' line and rehead. Found flat spot in wire.

8. 3.125" Wt.bars/CCL TIH to 650' w/ no issues. TOH.

LD BHA and lubricator.

NOTE: Cont' RU frac since 00:00 hrs

Cont' RU frac equiptment. 2 HPPT's, risers, N2 pop-off, ground manifolds and restrain all. MIRU Baker Petrolite auger trlr.

NOTE: 2 workers at a time rotate to cool down trlr due to high temperatures.

Operations suspended due to lightning in the area.

Report Start Date: 8/10/2015

Com

Prime up and test lines to 9500 psi.

Set N2 popoff at 9500 psi.

PJSM w/ Hal Frac, W/L, Fesco, PWR, EPS, TNT, Baker, BK, OTG, NOV. Go over CVX expecations, stage 5 safety, JSAs/hazards/mitigation, muster points, TIF, ERP, Tenet, Hazard, SWA. Review importance of good communication, staying hydrated, incident reporting, proper tools, suspended loads, using spotters.

Trouble shoot leaking valves on surface iron.

Test surface lines to 9500 psi.

N2 popoff set at 9500 psi. Globals at 9000 psi

Pump kickouts f/8700-9000 psi.

WH 1300 psi.

Begin to Frac Stage #1

At stage 1-10 (.25-.50 100 mesh) screws on sand king malfunctions and densometer reading on blender goes down. Go to flush.

Shut down pumps and troubleshoot problem.

Troubleshoot blender issue. Clean out sand screws and reboot computer. Recalibrate screws and fuel pumps.

"Frac Stage #1

Breakdown Pressure: 4,774 psi Average Pump Rate: 80.34 bpm Max Pump Rate: 81.16 bpm Average Pump Pressure: 4,759 psi Max Pump Pressure: 8,154 psi

ISIP: 2,112 psi

Clean Volume Pumped: 431,645 gals

Total Proppant Pumped: 303,000 lbs

Notes: During stage 1 pumping 100 mesh @ .25-.50 ppg sand sand screws went out. Flush. Repair screws and pump 10,000 gal pad get back on schedule."

NOTE: TLR 10396

PU lubricator and CCL, MU on WH. Test to 250/8000 psi, Good Test, Bleed off and ND @ QTS.

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Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

Com

SICP: 2000

PU guns for stage #2, Four Sets of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun). RU lubriactor & equalize to well.

"Perf Stage #2

Plug Setting Depth: 13,564'

Perf Depths: 13,538', 13,486', 13,434', 13,382', 13,330'

60° Phasing

Notes: TIH w/ CCL guns BHA correlating w/ SJ @ 8850'-8860'. Pump down using 210 bbls treated water @ 15 bpm @ 250 fpm. Max pressure 2437 psi. Total 48 shots"

LD gun/plug BHA stage #2. All shots fired. Dropped ball.

12:30 - 13:00 hrs NOV couldn't prime up pumps.

13:00 - 13:45 hrs Halliburton had electronic issues w/ pumps not communicating

"Frac Stage #2

Breakdown Pressure: 8,218 psi Average Pump Rate: 80.34 bpm Max Pump Rate: 81.09 bpm Average Pump Pressure: 5,767 psi Max Pump Pressure: 7,343 psi

ISIP: 2,396 psi

Clean Volume Pumped: 352,212 gals Total Proppant Pumped: 301,790 lbs

Notes: While pumping 1.75-2.00 ppg 40/70 mesh had a pressure increase, pumped a 15 bbl 30 lb gel sweep"

NOTE TLR: 8386

SICP: 1850

PU guns for stage #3, Four Sets of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun). RU lubriactor & equalize to well.

Perf Stage #3

Plug Setting Depth: 13,304'

Perf Depths: 13,278', 13,226', 13,174', 13,122', 13,070'

60° Phasing

Notes: TIH w/ CCL guns BHA correlating w/ SJ @ 8850'-8860'. Pump down using 254 bbls treated water @ 15 bpm @ 250 fpm. Max pressure 3270 psi. Total 48 shots"

48 shots"

LD gun/plug BHA stage #3. All shots fired. Dropped ball.

Gel pro software not working properly, repaired computer and clean out screws.

"Frac Stage #3

Breakdown Pressure: 7,204 psi Average Pump Rate: 80 bpm Max Pump Rate: 82.1 bpm Average Pump Pressure: 5,360 psi Max Pump Pressure: 6,914 psi

ISIP: 2,353 psi

Clean Volume Pumped: 369,563 gals Total Proppant Pumped: 290,932 lbs"

NOTE: TLR 8541

SICP: 1850

PU guns for stage #4, Four Sets of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun). RU lubriactor & equalize to well.

TIH w/ guns/plug to perf stage #4 @ RT

Report Start Date: 8/11/2015

Com

"Perf Stage #4

Plug Setting Depth: 13,044'

Perf Depths: 13,018', 12,966', 12,914', 12,862', 12,810'

60° Phasing

Notes: TIH w/ CCL guns BHA correlating w/ SJ @ 8850'-8860'. Pump down using 235 bbls treated water @ 15 bpm @ 233 fpm. Max pressure 3500 psi. Total 48 shots. When setting plug, misfired twice, no voltage. Reset the computer and plug fired correctly and all remaining shots fired"

All shots fired POOH L/D gun assembly.



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

GRAMMA RIDGE 14-24-34 005H Gramma Ridge 14-24-34 Red Hills North Mid-Continent Original RKB (ft) Current RKB Elevation Ground Elevation (ft) Mud Line Elevation (ft) Water Depth (ft) 3,500.00 3,524.50 3,524.50, 6/12/2015

Com

"Frac Stage #4

Breakdown Pressure: 7,969 psi Average Pump Rate: 80 bpm Max Pump Rate: 81.2 bpm Average Pump Pressure: 4,774 psi Max Pump Pressure: 7,446 psi

ISIP: 2,160 psi

Clean Volume Pumped: 360,108 gals Total Proppant Pumped: 311,118 lbs"

NOTE: TLR 8574

Pressure test N2 popoff. Set popoff at 9250 psi.

SICP: 2000

P/U guns for stage #5

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

'Perf Stage #5

Plug Setting Depth: 12,780'

Perf Depths: 12,758', 12,706', 12,654', 12,602', 12,550'

Notes: Open well 2000 psi. Get on depth w/ CCL and short it at 8,850'-8,860'. Pump down using 158 bbls treated water @ 15 bpm at 315 fpm. Max pressure 2578 psi.

All shots fired. POOH L/D gun assembly.

LD gun/plug BHA stage #5. All shots fired. Dropped ball.

"Frac Stage #5

Breakdown Pressure: 8,036 psi Average Pump Rate: 79.9 bpm Max Pump Rate: 81.53 bpm Average Pump Pressure: 5,235 psi Max Pump Pressure: 8,500 psi

ISIP: 2.640 psi

Clean Volume Pumped: 347,669 gals Total Proppant Pumped: 302,174 lbs

Notes: TLR: 8397"

SICP: 2200

PU guns for stage #6, Four Sets of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun). N/U lubricator & equalize to well.

Halliburton replace 2' plug valve

Perf Stage #6

Plug Setting Depth: 12,524'

Perf Depths: 12,498', 12,446', 12,394', 12,342', 12,290'

Notes: TIH w/ CCL guns BHA correlating w/ SJ @ 8850'-8860'. Pump down using 146 bbls treated water @ 14 bpm @ 250 fpm. Max pressure 2825 psi. Total 48 shots.

LD gun/plug BHA stage #6. All shots fired. Dropped ball.

Fesco grease frac stack

Transducer went out on pump truck. Slope wasn't right on it. Changed out 1 pump truck, worked on another pump, and rigged up extra pump Change out pressure cables on pumps. Switch acid transports and reset IFS system. Restrain all. Prime up.

"Frac Stage #6

Breakdown Pressure: 7,966 psi Average Pump Rate: 80.44 bpm Max Pump Rate: 81.14 bpm Average Pump Pressure: 5,348 psi Max Pump Pressure: 7,201 psi

ISIP: 2,695 psi

Clean Volume Pumped: 347,416 gals Total Proppant Pumped: 302,274 lbs

Notes: TLR:8389'



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

| Well Name | Lease | Field Name | Business Unit | GRAMMA RIDGE 14-24-34 005H | Gramma Ridge 14-24-34 | Red Hills North | Mid-Continent | Ground Elevation (ft) | Original RKB (ft) | Current RKB Elevation | 3,500.00 | 3,524.50 | 3,524.50 | 6/12/2015 | Water Depth (ft) | Water Depth (ft) | Water Depth (ft) | Current RKB Elevation | Current RK

Com

SICP: 2200

P/U guns for stage #6

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

"Perf Stage #7

Plug Setting Depth: 12,260'

Perf Depths: 12,238', 12,186', 12,134', 12,082', 12,030'

60° Phasing

Notes: Correlated at short joint at 8850'

Moved Plugdue to collar

Tension prior to set - 1412 lbs, after set - 1084 lbs. Pump 2 bpm while perforating.

Max pressure: 2957 psi, Total Volume 184bbl"

LD gun/plug BHA stage #7. All shots fired. Dropped ball.

"Frac Stage #7

Breakdown Pressure: 8,104 psi Average Pump Rate: 80.3 bpm Max Pump Rate: 81 bpm

Average Pump Pressure: 5,756 psi Max Pump Pressure: 7,519 psi

ISIP: 2,595 psi

Clean Volume Pumped: 355,592 gals Total Proppant Pumped: 304,280 lbs

Notes: TLR=8466"

Report Start Date: 8/12/2015

Com

SICP: 2200

P/U guns for stage #8

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

"Perf Stage #8

Plug Setting Depth: 12,004'

Perf Depths: 11,978', 11,926', 11,874', 11,822', 11,770'

60° Phasing

Notes: Gun assembly: 3-1/8"" slick gun at 6 spf, 21.5 gram DP charges. Open well 2100 psi. Get on depth w/ CCL and short jt at 8850'-8860'. Pump down using 170 bbls treated water @ 14 bpm. Max pressure 3121 psi. "

LD gun/plug BHA stage #8. All shots fired. Dropped ball.

"Frac Stage #8

Breakdown Pressure: 7,422 psi Average Pump Rate: 80.3 bpm Max Pump Rate: 81.8 bpm Average Pump Pressure: 5,157 psi Max Pump Pressure: 6,215 psi ISIP: 2,516 psi

Clean Volume Pumped: 359,683 gals Total Proppant Pumped: 303,413 lbs"

Note: TLR=8563

SICP: 2148

P/U guns for stage #9

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

"Perf Stage #9

Plug Setting Depth: 11,740'

Perf Depths: 11,718', 11,666', 11,614', 11,562', 11,510'

60° Phasing

Notes: Gun assembly: 3-1/8"" slick gun at 6 spf, 21.5 gram DP charges. Open well 2150 psi. Get on depth w/ CCL and short jt at 8850'-8860'. Pump down using 167 bbls treated water @ 14 bpm. Max pressure 2802 psi. "

LD gun/plug BHA stage #9. All shots fired. Dropped ball.

Fesco grease stack excluding hydraulic valves.

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Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

Business Uni Gramma Ridge 14-24-34 GRAMMA RIDGE 14-24-34 005H Red Hills North Mid-Continent Ground Flevation (ft) Current RKR Flevation Mud Line Elevation (ft) Water Depth (ft) Original RKB (ft) 3,500.00 3,524.50 3,524.50, 6/12/2015

Com

Pressure test N2 popoff. Set popoff at 9250 psi.

Frac Stage #9

Breakdown Pressure: 8,034 psi Average Pump Rate: 80.4 bpm Max Pump Rate: 83.2 bpm Average Pump Pressure: 5,931 psi Max Pump Pressure: 6,986 psi

ISIP: 2,277 psi

Clean Volume Pumped: 358,279 gals Total Proppant Pumped: 301,827 lbs

NOTE: TLR 8531

SICP: 2238

P/U guns for stage #10

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

"Perf Stage #10

Plug Setting Depth: 11,484'

Perf Depths: 11,458', 11,406', 11,354', 11,302', 11,250'

60° Phasing

Notes: Gun assembly: 3-1/8"" slick gun at 6 spf, 21.5 gram DP charges. Open well 2100 psi. Get on depth w/ CCL and short jt at 8850-8860'. Pump down using 99 bbls treated water @ 14 bpm. Max pressure 2731 psi. "

LD gun/plug BHA stage #10. All shots fired. Dropped ball.

"Frac Stage #10

Breakdown Pressure: 8,158 psi Average Pump Rate: 80.2 bpm Max Pump Rate: 81.1 bpm Average Pump Pressure: 6,908 psi Max Pump Pressure: 8,240 psi

ISIP: 6,022 psi

Clean Volume Pumped: 298,353 gals

Total Proppant Pumped: 131,548 lbs

Notes: At the end of 100 mesh TCC generator went down. Extended pad 230 bbls until generator up and running. Cont' by design. During 1.25-1.5 ppg 40/70 sand pressure spiked f/6300 t/8250 . Pump Pre-flush and flush w/ 6022 ISIP.

NOTE: TLR 6985

SICP: 2148

P/U guns for stage #11

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

"Perf Stage #11

Plug Setting Depth: 11,220'

Perf Depths: 11,198', 11,146', 11,094', 11,042', 10,990'

60° Phasing

Notes: TIH w/ CCL guns BHA correlating w/ SJ @ 8850'-8860'. Pump down using 99 bbls treated water @ 14 bpm @ 250 fpm. Max pressure 3335 psi. Total 48

LD gun/plug BHA stage #11. All shots fired. Dropped ball.

"Frac Stage #11

Breakdown Pressure: 7,930 psi Average Pump Rate: 80.21 bpm Max Pump Rate: 81.03 bpm Average Pump Pressure: 5,195 psi Max Pump Pressure: 6,443 psi

ISIP: 2,904 psi

Clean Volume Pumped: 344,288 gals Total Proppant Pumped: 298,866 lbs

Notes: TLR=8316"



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

| Well Name | Lease | Field Name | Business Unit | GRAMMA RIDGE 14-24-34 005H | Gramma Ridge 14-24-34 | Red Hills North | Mid-Continent | Ground Elevation (ft) | Original RKB (ft) | Current RKB Elevation | 3,500.00 | 3,524.50 | 3,524.50 | 6/12/2015 | Mud Line Elevation (ft) | Water Depth (ft) | Water Depth (ft) | Current RKB Elevation | Mud Line Elevation (ft) | Water Depth (ft) | Current RKB Elevation | Mud Line Elevation (ft) | Water Depth (ft) | Current RKB Elevation | Current R

Com

SICP: 2250

P/U guns for stage #12

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

"Perf Stage #12

Plug Setting Depth: 10,964'

Perf Depths: 10,938', 10,886', 10,834', 10,782', 10,730'

60° Phasing

Notes: Correlated at short joint at 8850'

Tension prior to set - 1370 lbs, after set - 980 lbs. Pump 2 bpm while perforating.

Max pressure: 3486 psi, Max rate 14 bbls/min Total Volume 95 bbl"

LD gun/plug BHA stage #12. All shots fired. Dropped ball.

Note: Fesco grease frac stack including hydraulic valve.

"Frac Stage #12

Breakdown Pressure: 7,940 psi Average Pump Rate: 80.1 bpm Max Pump Rate: 81 bpm

Average Pump Pressure: 6,411 psi Max Pump Pressure: 7,007 psi

ISIP: 2,734 psi

Clean Volume Pumped: 383,258 gals Total Proppant Pumped: 304,135 lbs

Notes: TLR = 9,125 bbls"

SICP: 2400

P/U guns for stage #13

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

Report Start Date: 8/13/2015

Com

"Perf Stage #13

Plug Setting Depth: 10,700'

Perf Depths: 10,678', 10,626', 10,574', 10,522', 10,470'

60° Phasing

Notes: Gun assembly: 3-1/8"" slick gun at 6 spf, 21.5 gram DP charges. Open well 2150 psi. Get on depth w/ CCL and short jt at 8850-8860'. Pump down using 79 bbls treated water @ 14 bpm. Max pressure 3000 psi. "

LD gun/plug BHA stage #13. All shots fired. Dropped ball.

"Frac Stage #13

Breakdown Pressure: 7,693 psi Average Pump Rate: 80.4 bpm Max Pump Rate: 81.2 bpm Average Pump Pressure: 5,799 psi Max Pump Pressure: 6,508 psi ISIP: 2,847 psi Clean Volume Pumped: 348,034 gals

Total Proppant Pumped: 305,302 lbs

Notes: TLR=8287. Wireline performed rehead.

Pressure test N2 popoff. Set popoff at 9475 psi.

SICP: 2100

P/U guns for stage #14

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

"Perf Stage #14

Plug Setting Depth: 10,444'

Perf Depths: 10,418', 10,366', 10,314', 10,262', 10,210'

60° Phasing

Notes: Gun assembly: 3-1/8"" slick gun at 6 spf, 21.5 gram DP charges. Open well 2100 psi. Get on depth w/ CCL and short jt at 8850-8860'. Pump down using 55 bbls treated water @ 14 bpm. Max pressure 2771 psi. "



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

**Business Unit** Gramma Ridge 14-24-34 GRAMMA RIDGE 14-24-34 005H Red Hills North Mid-Continent Current RKB Flevation Mud Line Elevation (ft) Water Depth (ft) Ground Elevation (ft) Original RKB (ft) 3,500.00 3,524.50 3,524.50, 6/12/2015

LD gun/plug BHA stage #14. All shots fired. Dropped ball.

Note: Fesco grease frac stack

"Frac Stage #14

Breakdown Pressure: 7,729 psi Average Pump Rate: 80.45 bpm Max Pump Rate: 81.34 bpm Average Pump Pressure: 4,735 psi Max Pump Pressure: 7,544 psi

ISIP: 2,867 psi

Clean Volume Pumped: 346,459 gals Total Proppant Pumped: 301,857 lbs

Notes: TLR=8369"

SICP: 2150

P/U guns for stage #15

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

'Perf Stage #15

Plug Setting Depth: 10,180'

Perf Depths: 10,158', 10,106', 10,054', 10,002', 9,950'

60° Phasing

Notes: Gun assembly: 3-1/8"" slick gun at 6 spf, 21.5 gram DP charges. Open well 2150 psi. Get on depth w/ CCL and short jt at 8850-8860'. Pump down using 51 bbls treated water @ 14 bpm. Max pressure 2616 psi. "

LD gun/plug BHA stage #15. All shots fired. Dropped ball.

"Frac Stage #15

Breakdown Pressure: 8,359 psi Average Pump Rate: 80.03 bpm Max Pump Rate: 81.34 bpm Average Pump Pressure: 4,737 psi Max Pump Pressure: 5,659 psi ISIP: 2,592 psi

Clean Volume Pumped: 344,335 gals Total Proppant Pumped: 306,096 lbs

Notes: TLR=8322"

SICP: 2000

P/U guns for stage #16

Five clusters of 3 1/8" HSC Guns and CCL, 21 Gram Maxforce Charges w/ select fire switches 6 spf, 60deg, 12 Shots per gun (2' gun).

N/U lubricator and equalize well.

"Perf Stage #16

Plug Setting Depth: 9,924'

Perf Depths: 9,898', 9,846', 9,794', 9,742', 9,690'

Notes: Gun assembly: 3-1/8"" slick gun at 6 spf, 21.5 gram DP charges. Open well 2000 psi. Get on depth w/ CCL and short jt at 8850-8860'. Pump down using 39 bbls treated water @ 12 bpm. Max pressure 2331 psi.

LD gun/plug BHA stage #16. All shots fired. Dropped ball.

"Frac Stage #16

Breakdown Pressure: 7,889 psi Average Pump Rate: 80.09 bpm Max Pump Rate: 80.23 bpm Average Pump Pressure: 4,341 psi Max Pump Pressure: 4,823 psi

ISIP: 2,647 psi

Clean Volume Pumped: 343,435 gals Total Proppant Pumped: 303,024 lbs

Notes: TLR=8416"

\*\*\*\*\*All Frac Stages Pumped\*\*\*\*\*

Perform PJSM for R/D.

RDMO Halliburton Frac and Wireline equipment.

Report Start Date: 8/14/2015

Com

Continue RDMO Halliburton Frac equipment. Clean containment.

Page 9/16 Report Printed: 9/30/2015



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

Com

HSM & PJSA w/ Cudd, OTG, BK, TNT, Fesco, Coil Chem, Lobo Discuss Scope of Job, SWA, TIF, ERP, PPE, Tenet #4 We always...follow safe work practices and procedures, over head loads, pinch points, hand awareness, heat, slips/trips/falls, ML safety, proper backing, proper tools and lifting techniques, communication

MIRU OTG containment for CT spread, Cudd fluid pump. EPS NU CT flange to crown and MU BOPE. Load CT reel w/ 10 bbls f/w and 70 bbls FR water.

MU CT/DO 4.625" JZ Rockbitl BHA #1 as follows from top to bottom

OD Description Length 2.875" CT connector .98' 2.875" Dual BPV 1.21 2.875" Fau Hyd Disconnect 2.13 2.875" Dual Circ Sub 1.34 3.063" X-Over .51' 2.88" 160 gpm Agitator 4.35 .50' 3.0625" X -Over 3.125" Hi-Torque Motor 11.72' Rev Jet Bit Sub 3.750" .76 4.625" JZ Rockbit .50

TOTAL LENGTH 24.0'

Pull test connector 30K, Pull test 35K. Good test..

Function Test motor @ surface 4 bpm @ 5100 psi

NOTE: 3/4" Ball Disconnect

NOTE: 5/8" Ball Dual Circ' Disconnect

WHP: 1550

Function test BOPE. Good Test.

.Prressure test against choke manifold to 250/8000 psi. Good test. Equalize to WHP.

Hold pre-job safety meeting w/ all crews.

TIH w/ JZ Rockbit BHA #1 to 2000' noticed loose guard on hydraulic motor on injector head. Upon inspection attempted to tighten bold on sight glass hydraulic motor and broke off aluminum bolt.

WO bolt to repair injector head. Replace bolt

Beginning 2000' Cont' TIH to KOP @ 8892' pumping FR water @ 1 bpm maintaining WHP on FB making 2 PU's.

6000' PU wt 11,000 lbs 8508' PU wt 16,000 lbs

Increase pump rate to 4 bpm in/4.3 bpm out

CTP: 1470, WHP: 6200

Cont' TIH to plug #1 @ 9949' and tag.



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

| Well Name | Lease | Field Name | Business Unit | GRAMMA RIDGE 14-24-34 005H | Gramma Ridge 14-24-34 | Red Hills North | Mid-Continent | Ground Elevation (ft) | Original RKB (ft) | Current RKB Elevation | 3,500.00 | 3,524.50 | 3,524.50 | 6/12/2015 | Mud Line Elevation (ft) | Water Depth (ft) | Water Depth (ft) | Current RKB Elevation | Mud Line Elevation (ft) | Water Depth (ft) | Current RKB Elevation | Mud Line Elevation (ft) | Current RKB Elevation | Curr

Com

'Tagged Plug #1 @ 21:18 @ 9,949' WHP 1,500 psi

Through plug @ 21:34 @ 9,952' WHP 1,400 psi

Plug Milling Time 0:16

Notes: Circulating pressure 4800 psi, 5 bbl sweep @ 85 vis before, Rate 4/4.1 BPM, Running Weight 15k, 5bbl sweep @ 84 vis after."

"Tagged Plug #2 @ 21:49 @ 10,205' WHP 1,400 psi Through plug @ 22:06 @ 10,207' WHP 1,300 psi

Plua Millina Time 0:17

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 98 vis before, Rate 4/4.5 BPM, Running Weight 16k, 5bbl sweep @ 111 vis after."

"Tagged Plug #3 @ 22:26 @ 10,472' WHP 1,300 psi

Thru plug @ 22:39 @ 10,475' WHP 1,400 psi

Plug Milling Time 0:13

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 104 vis before, Rate 4/4.1 BPM, Running Weight 15k, 5bbl sweep @ 105 vis after."

"Tagged Plug #4 @ 23:00 @ 10,724' WHP 1,400 psi

Thru plug @ 23:19 @ 10,727' WHP 1,400 psi

Plug Milling Time 0:19

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 106 vis before, Rate 4/4.5 BPM, Running Weight 15k, 5bbl sweep @ 99 vis after."

"Tagged Plug #5 @ 23:37 @ 10,991' WHP 1,400 psi

Thru plug @ 23:53 @ 10,994' WHP 1,500 psi

Plug Milling Time 0:16

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 99 vis before, Rate 4/4.5 BPM, Running Weight 16k, 5bbl sweep @ 101 vis after."

Report Start Date: 8/15/2015

Com

Tag plug #6 and begin Short Trip, TIH @ 35 ft/min, send 10-10-10 BBL sweep, circulate and wait for return to clean, returns clean. Top short trip 8800"

"Tagged Plug #6 @ 02:21 @ 11,245' WHP 1,500 psi

Thru plug @ 02:28 @ 11,248' WHP 1,400 psi

Plug Milling Time 7 min

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 99 vis before, Rate 4/4.4 BPM, WOB 2k, 5bbl sweep @ 106 vis after."

"Tagged Plug #7 @ 02:45 @ 11,514' WHP 1,400 psi

Thru plug @ 02:55 @ 11,518' WHP 1,400 psi

Plug Milling Time 0:10

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 104 vis before, Rate 4/4.3 BPM, WOB 2k, 10bbl sweep @ 104 vis after."

"Tagged Plug #8 @ 03:17 @ 11,772' WHP 1,400 psi

Thru plug @ 03:36 @ 11,775' WHP 1,400 psi

Plug Milling Time 0:19

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 104 vis before, Rate 4/4.3 BPM, WOB 2k, 5bbl sweep @ 101 vis after."

"Tagged Plug #9 @ 03:56 @ 12,055' WHP 1,400 psi

Thru plug @ 04:04 @ 12,059' WHP 1,400 psi

Plug Milling Time 0:08

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 102 vis before, Rate 4/4.3 BPM, WOB 2k, 5bbl sweep @ 102 vis after."

"Tagged Plug #10 @ 04:21 @ 12,292' WHP 1,400 psi

Thru plug @ 04:40 @ 12,296' WHP 1,400 psi

Plug Milling Time 0:19

Notes: Circulating pressure 4600 psi, 5 bbl sweep @ 101 vis before, Rate 4/4.3 BPM, WOB 2k, 5bbl sweep @ 100 vis after."

TIH to tag #11 not there. Cont' TIH to tag #11 @ 12730'

Send 10 bbls gel sweep and POOH @ 35 fpm sending 10 bbls gel sweeps . TOOH to KOP 8892' sending 10 bbl sweep. Sweep @ surface and TBIH @ 70 fpm to plug #11 @ 12,730'



Completion
Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

Com

'Tagged Plug #11 @ 08:32 @ 12,730' WHP 1,500 psi

Thru plug @ 08:45 @ 12,732' WHP 1,600 psi

Plug Milling Time 0:13

Notes: Send 110 visc 5 bbls gel sweep each coil volumn of 84 bbls. Encountered sand between 11 & 12"

"Tagged Plug #12 @ 08:50 @ 12,780' WHP 1,550 psi

Thru plug @ 09:00 @ 12,782' WHP 1,600 psi

Plug Milling Time 0:10

Notes: Send 110 visc 10 bbls gel sweep each coil volumn of 84 bbls. Encountered sand between 11 & 12. Begin sending 5 bbs gel sweep every Coil capacity of 84 bbls."

"Tagged Plug #13 @ 09:17 @ 13,044' WHP 1,550 psi

Thru plug @ 09:28 @ 13,046' WHP 1,600 psi

Plug Milling Time 0:11

Notes: Send 110 visc 10 bbls gel sweep each coil volumn of 84 bbls. Encountered sand between 13 & 14. Sending 5 bbs gel sweep every Coil capacity of 84 bbls. Power pack on CTU ran out of diesel 9:30-10:00 hrs. Resume operations"

"Tagged Plug #14 @ 10:46 @ 13,304' WHP 1,600 psi

Thru plug @ 10:59 @ 13,306' WHP 1,600 psi

Plug Milling Time 0:13

Notes: Send 110 visc 10 bbls gel sweep each coil volumn of 84 bbls. Encountered sand between 14 & 15. Sending 5 bbs gel sweep every Coil capacity of 84 bbls. "

"Tagged Plug #15 @ 11:32 @ 13,564' WHP 1,600 psi

Thru plug @ 11:45 @ 13,566' WHP 1,600 psi

Plug Milling Time 0:13

Notes: Send 110 visc 10 bbls gel sweep each coil volumn of 84 bbls. Encountered sand between 14 & 15. Sending 5 bbs gel sweep every Coil capacity of 84 bbls. "

Cont' TIH to RSI @ 13,824 '

Send 10 bbls gel sweep 10 bbls spacer 10 bbls gel sweep.POOH @ 35 fpm sending 10 bbls gel sweeps @ 11,800' and 10,000'. TOOH to KOP 8892' sending 10 bbl sweep. Sweep @ surface and TOOH to surface.

NOTE: Recover heavy sand at surface on sweep from heel and little to no sand on sweep from KOP.

Bump up into lubricator. Cycle crown valve and close hydraulic master. Bleed off to OTT.

LD BHA #1 JZ Rockbit.

LD lubricator. ND BOPE and CT Flange

RDMO 2 3/8" CTU and pump truck. NU capping flange on top of Crown Valve.

WHP: 1700

Open well on 12/64 for first hr making 49 bbls water for first hr.

WHP: 1600

Increase choke to 14/64 @ 19:00 hrs and Cont' to FB well 24 operations w/ supervision

Report Start Date: 8/16/2015

Com

Well Flowing @ 1.3 bpm (16/64ths choke)

Beginning FWHP: 1600 Ending FWHP: 1600 Recovered 856.49 bbls 24 hr water 1882.08 24 hr oil "0"

Total water recovered 856.49 bbls

Total oil recovered "0" Fluid Rate 1.3 bpm

Total Load to Recover 135206.51 bbls

NOTE: No sand during flow back operations



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

 Well Name
 Lease
 Field Name
 Business Unit

 GRAMMA RIDGE 14-24-34 005H
 Gramma Ridge 14-24-34
 Red Hills North
 Mid-Continent

 Ground Elevation (ft) 3,500.00
 Original RKB (ft) 3,524.50
 Current RKB Elevation (ft) 6,12/2015
 Mud Line Elevation (ft) 7,000
 Water Depth (ft) 7,000

Com

18:00 hrs

Well Flowing @ 1.84 bpm (20/64ths choke)

Beginning FWHP: 1600 Ending FWHP: 1400 Recovered 1922.2 bbls 24 hr water 2662.80 24 hr oil "0"

Total water recovered 1922.2 bbls

Total oil recovered "0" Fluid Rate 1.84 bpm

Total Load to Recover 134140.8 bbls

18:00 hrs Cont' 24 hr FB operations w/ supervision

NOTE: No sand during flow back operations

Report Start Date: 8/17/2015

Com

6:00 hrs

Well Flowing @ 2.12 bpm (22/64ths choke)

Beginning FWHP: 1400 Ending FWHP: 1425 Recovered 3341.3 bbls 24 hr water 3052.80 24 hr oil "0"

Total water recovered 3341.3 bbls

Total oil recovered "0" Fluid Rate 2.12 bpm

Total Load to Recover 132721.7 bbls

06:00 hrs Cont' 24 hr FB operations w/ supervision

NOTE: No sand during flow back operations

18:00 hrs

Well Flowing @ 2.11 bpm (22/64ths choke)

Beginning FWHP: 1425 Ending FWHP: 1250 Recovered 4833.5 bbls 24 hr water 3043.68 24 hr oil "0"

Total water recovered 4833.5 bbls

Total oil recovered "0" Fluid Rate 2.11 bpm

Total Load to Recover 131,229.5 bbls

18:00 hrs 48 hr period period ends. SWIFN. NOTE: No sand during flow back operations

No Activity.

Report Start Date: 8/18/2015

Com

No Activity: WSI

HSM & PJSA w/ Keane, TNT, OTG, CHS, EPS. Discuss Scope of Job, SWA, TIF, ERP, PPE, 360 my-space, slips/trips/falls, line of fire, proper lifting, Chevron idling policy, spotters while backing, over-head loads, communication.

WO lightning to pass.

MIRU Keane WLU and pressure control, EPS torque/test unit, CHS HPPT and restrain lines

WHP: 1450

Prime up pump lines to OTT. Test lines against manifold to 250/7000 psi. Good Test. Equalize to WHP.

WO spreader bar for lubricator

Flush csg to top perf @ 7 bpm @ 2000 psi.

PU 4.625" GR/JB/CCL. Test lubricator 250/4500 psi. Good Test. TIH w/ GR BHA to 9000' correlating w/ SJ @ 8850' - 8860' w/ no issues.

LD GR/JB/CCL. JB clean.



Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

 Well Name
 Lease
 Field Name
 Business Unit

 GRAMMA RIDGE 14-24-34 005H
 Gramma Ridge 14-24-34
 Red Hills North
 Mid-Continent

 Ground Elevation (ft) 3,500.00
 Original RKB (ft) 3,524.50, 6/12/2015
 Current RKB Elevation (ft) 3,524.50, 6/12/2015
 Mud Line Elevation (ft) Water Depth (ft)

Com

M/U Baker 20 setting tool and Baker Hornet Wireline Set Production Packer Assembly as follows

ID OD Length Description 2.313" 3.100" .31' On/off Tool 2.370" 4.50" 7.63 HornetPacker 2.441" 2.875" 2 7/8" L80 EUE Sub 6.10 2.205" 3.28" 1.15' **BXN Nipple** 2.441" 2.875" 4.10' 2 7/8" L80 EUE Sub 2.441" 3.70" 0.50'Pump out plug

Total Length with tailpipe: 19.48'

NOTE: pump out plug pinned at 2028 psi. 6 pins at 338 psi each.

SICP: 1450

TIH w/ Baker Hornet production packer correlating to SJ @ 8,850' - 8,860'. PU mid joint to set top of packer @ 8,830'. Bleed well to "0" psi while POOH beginning negative test.

NOTE: 6 pins in Pump out Plug @ 338 psi each 2028 psi on pins and WHP 1450. Pump out should be 3478 psi.

LD Baker setting tool BHA.

NOTE: Stone clean out sand OTT.

ND WL flange and BOPE. NU capping flange on crown valve. RDMO WLU and pressure control.

Perform negative test on packer overnight.

Report Start Date: 8/19/2015

Com

Perform negative tes on prod pkr. "0" psi and static.

HSM & PJSA w/ Fesco, OTG, Rig Runner, TNT, GE, EPS Discuss Scope of Job, SWA, TIF, ERP, PPE, Tenet #9 We always follow written proedures for high-risk and unusual situations, proper backing, pinch points, three point contact, line of fire, communication

ND Frac stack to LMV. Set hanger w/ BPV in place and torque pins to spec. ND LMV and NU capping flange. RDMO Fesco FB equipment. OTG clean containment and RDMO. RDMO TNT Crane. Empty FT's. RDMO NOV water transfer.

NOTE: HAL clean up sand. NOTE: NOV PU FT's

No Activity

Report Start Date: 8/20/2015

Com

No Activity

HSM & PJSA w/ Genco. Discuss Scope of Job, SWA, TIF, ERP, PPE, pinch points, three point contact while climbing, proper lifting, no spill policy, proper backing, communication

Genco RDMO camp equipment

Report Start Date: 8/25/2015

Cor

NO ACTIVITY AT WELL SITE

CREW TRAVEL

SM, JSA REVIEW. CHECK PRESSURES. 0 PSI ON CSG AND TBG.

CALIPER AND LOG ELEVATORS FOR 2-7/8" PROD TBG.

RIG UP PU, REV EQ, L/D MACHINE, AND SPOT IN TANKS. CHECK PRESSURES ON WELL. 0 PSI ON CSG AND TBG.

N/U 7-1/16" 10M X 7-1/16" 5M SPOOL CLASS III BOP W/ BLIND RAMS ON BOTTOM FOLLOWED BY PIPE RAMS. ALSO N/U ENVIRO-PAN AND RIG FLOOR, CALIPER AND LOG ELEVATORS FOR 2-7/8" TBG.

REMOVE BACK PRESSURE VALVE AND INSTALL HANGER W/ 2-WAY CHECK.

TEST BOP TO 250 PSI LOW/4500 PSI HIGH (PIPE/BLIND RAMS) FOR 5 MINS EACH. GOOD TEST.

REMOVE HANGER AND 2-WAY CHECK.

CONDUCTED WEEKLY SAFETY DRILLS WHILE WAITING FOR TBG TO BE DELIVERED

OFFLOAD STRAP, AND TALLY 268 JTS OF 2-7/8" 6.5# L-80 PROD TBG ON TO PIPE RACKS.

R/U HYDROSTATIC PIPE TESTERS EQ.

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Completion Complete

Job Start Date: 7/30/2015 Job End Date: 8/28/2015

GRAMMA RIDGE 14-24-34 005H Gramma Ridge 14-24-34 Red Hills North Mid-Continent Ground Elevation (ft) Current RKB Flevation Mud Line Flevation (ft) Water Depth (ft) Original RKB (ft) 3,524.50 3,524.50, 6/12/2015 3,500.00

Com

RIH W/ BAKER 4.50" OD, 1.5' LENGTH L-10 ON/OFF TOOL AND 140 JTS OF 2-7/8" 6.5# L-80 TBG TO 4480', HYDRO TESTING TO 6000 PSI. R/D HYDRO TESTERS

SECURE WELL, SIFN

**CREW TRAVEL** 

NO ACTIVITY AT WELL SITE

Report Start Date: 8/26/2015

Com

NO ACTIVITY AT WELL SITE

CREW TRAVEL

SM, JSA REVIEW. CHECK PRESSURES. 0 PSI ON CSG AND TBG.

CALIPER AND LOG ELEVATORS FOR 2-7/8" PROD TBG.

RIH W/ 130 JTS OF 2-7/8" 6.5# L-80 TBG AND 30' OF SUBS. (10', 8', 6', 4', & 2') TO 8115'. HYDRO TESTING TO 6000 PSI.

SPACE OUT TBG AND PULL UP 4' TO DISPLACE HOLE W/ PKR FLUID.

R/D HYDRO STATIC PIPE TESTERS

R/U REV EQ TO DISPLACE PKR FLUID

CIRC AND DISPLACE HOLE W/ 200 BBLS OF 2% KCL PKR FLUID W/ CORROSION INHIBITOR. PUMPING CONVENTIONAL @ 1.8 BPM @ 250 PSI.

LATCH ON TO ON/OFF TOOL, PULL 20 PTS TO ENSURE LATCHED. SET PKR W/ 17 PTS COMPRESSION.

LAND TBG HANGER IN WH.

SET BPV

R/D RIG FLOOR

N/D BOP

N/U 5K FLOW TREE

TEST VOIDS TO 8000 PSI FOR 10 MINS. GOOD TEST.

REMOVE BPV

**INSTALL 2-WAY CHECK VALVE** 

R/U LOBO PUMP TRUCK

TEST VALVES AND COMPONENTS ON TREE TO 4000 PSI FOR 10 MINS. GOOD TEST.

RETRIEVE 2-WAY CHECK.

PUMP OUT PLUG @ 3400 PSI. PUMP ADDITIONAL 5 BBLS OF FRESH WATER TO VERIFY PLUG BURST.

R/D LOBO PUMP TRUCK

SITP = 1400 PSI

FLOW BACK FOR 60 MINS. RECOVERED 120 BBLS. @ 110 PSI.

SIWFIL

**CREW TRAVEL** 

NO ACTIVITY AT WELL SITE

Report Start Date: 8/27/2015

NO ACTIVITY AT WELL SITE

**CREW TRAVEL** 

SM, JSA REVIEW, CHECK PRESSURES, 0 PSI ON CSG AND TBG.

R/D PU AND REV EQ

MOVE TO STATE 2 #8

\*\*\*FINAL REPORT\*\*\*

Report Start Date: 9/23/2015

Com

SM, JSA REVIEW FOR TODAYS OPS.

MIRU SL TRUCK AND LOBO PUMP TRUCK.

TEST LUBRICATOR TO 2000 PSI. GOOD TEST.

PUMP 70 BBLS OF 11.0 PPG BRINE WATER DOWN TBG @ 1.8 BPM DOWN TO BOTTOM OF PERFS @ 9690'.

WELL ON VACUUM.

RIH W/ 2.347" GAUGE RING TO ON/OFF TOOL @ 8802' FROM GROUND LEVEL. POOH W/ GAUGE RING.

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Completion Complete

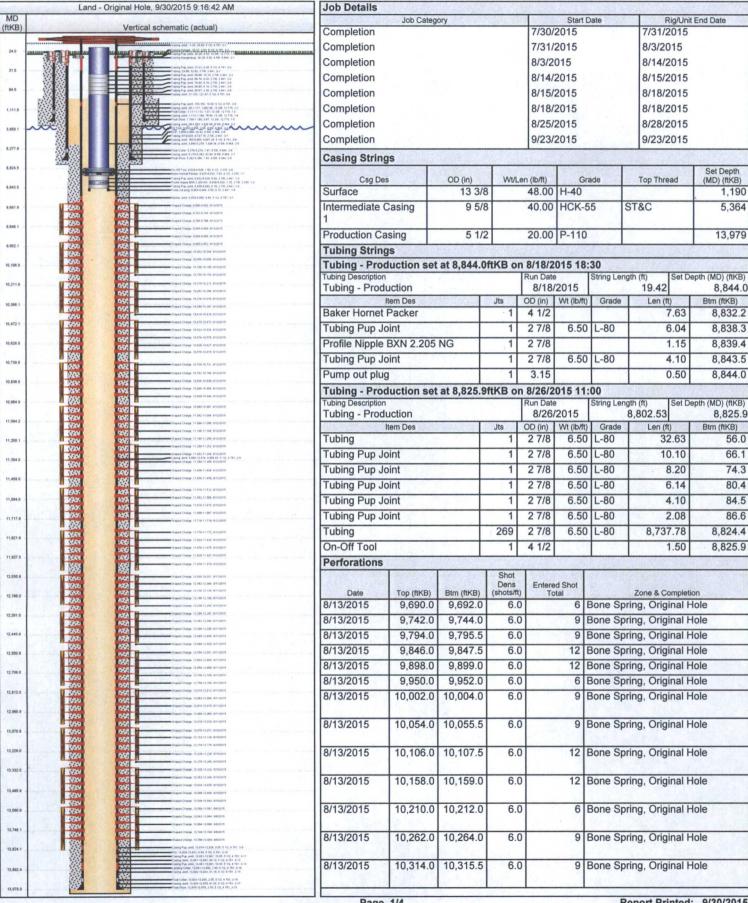
Job Start Date: 7/30/2015 Job End Date: 8/28/2015

| Well Name | CRAMMA RIDGE 14-24-34 005H | Gramma Ridge 14-24-34 | Red Hills North | Ground Elevation (ft) | Original RKB (ft) | Current RKB Elevation | 3,500.00 | 3,524.50 | 6/12/2015 | | Mud Line Elevation (ft) | Water Depth (ft) | Water Depth (ft) | Water Depth (ft) | Current RKB Elevation | Current RKB Elevation

Com PU AND RIH W/ 2.313" OTIS XXD BLANKING PLUG AND SET AT 8802' IN "X" TYPE PN. POOH W/ SL SECURE WELL



Field Name Rusiness Unit GRAMMA RIDGE 14-24-34 005H Gramma Ridge 14-24-34 Red Hills North Mid-Continent



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Well Name Lease GRAMMA RIDGE 14-24-34 005H Gramma Ridge 14-2

Field Name Red Hills North Business Unit Mid-Continent

	Lan	d - Original Hole, 9/3	0/2015 9:16:43 AM	
MD ftKB)				leneke
IND)		Vertical scri	ematic (actual)	
24.0		The same of the sa	Casing June 1-929, 25 60, 5 10, 4 551, 3-1 Grayson Mystore, 25-27, 276, 5-30, 4-721, 5-2 Casing Pup June 24-24, 5-2, 12-26, 12-27-11, 1-1	
ľ		-2.50	Casing Pup Jose, 24-26, 4:52: 13:36, 12:715, 1-14 Casing Hangeripup, 24-26, 4:52: 8:506, 8:544, 2-1	
31.5		200 US	Casing Pap Jone, 27-31, 4-26, 5-102, 4-781, 3-3 **Linear_23-56, 32-62, 2-76, 2-441, 3-1 **Linear_26-Jack 56-64, 10-10, 2-79, 2-441, 3-2	
84.6	<b>***</b>		Councy Dep June, 27-11-1-28 1-50, 2-781, 3-5 Friday 2,5-66 2,502, 781, 2441-1-7 Friday Dep June, 16-64 1-501, 2-76, 2-741, 3-2 Friday Dep June, 16-64 1, 50 2-740, 2-441-3-5 Friday Dep June, 16-64 1, 50 2-740, 2-441-3-5 Friday Dep June, 16-64 1, 50 2-740, 2-441-2-4 Friday Dep June, 16-64 2, 50 2-740, 2-441-2-4 Friday Dep June, 16-64 2, 50 2-740, 2-441-2-6 Friday Dep June, 16-64 2, 50 2-740,	
04.0	W W	576 KKP	Tubing Pup Janet, 95-97, 209, 276, 2441, 2-6 Ceeing Janet, 31-153, 121-47, 5 1/2 4 791, 5-4	
1,111.5	<b>*************************************</b>		Coong Pup June, 153-162, 16 00; 5 1/2, 8 781; 3-6  —Coong Pup June, 153-162, 16 00; 5 1/2, 8 781; 3-6  —Fleet Coller, 1,111-1,112, 137, 13 38, 12 715, 1-3	
1			Caprig Joint, 1,115-1,189, 76 S4, 13 3/8; 12 715, 1-4	
3,850.1	^***	- FUCK	Casing Joint 25-2,855; 3,904 68, 9 591; 9 344, 3-2 DOZ-DOS 2,905-2,905, 295; 250; 8 244, 2-2 DCCP, 3,985-3,990; 34-00; 9-60; 8-844, 2-4	~
		CAT CAT	Corp. 8,355-3,490, 36-92, 9-94, 8-94, 3-4 Tribrig, 87-8,793, 8,737 78, 279, 2441, 3-7 Cosing Jaint, 163-9,850, 8,687 28,55 1/2, 4,737, 3-6 Cosing Jaint, 3,865-2,78 1,398 1/4 9-5 9-58 6-644, 3-5	
5,277.9	· · · · · · · · · · · · · · · · · · ·		Float Coder 5 278-5 279: 1 47 9 5/8; 8 944; 2-8 ——Cesing Junt, 5,278-5,392; 82 98; 9 5/8; 8 944; 2-7 ——Tool Thou, 5 3/2-5 3/4, 1 6/2; 6 5/8; 8 3/4; 2-4	
8.824.5	X-000	Work .		
	<b>***</b>	ACTA	- On-ORT For 0.825-8.226, 1.50, 4.12, 2.510, 26 - Britan Human Parters, 8,825-8,832, 7.62, 4.12, 2.370, 1.4 - Tubing Pag. Josep. 8,822-8,838, 6.04, 2.76, 2.441, 12	
8,843.5	- W	PATR Onto	Traing Fig. John. 8,932-8,938, 6,94, 2,791, 2,441, 1-2 Frontie Nigger Birle, 2,955,96, 8,838-8,832, 1-15, 2,78, 2,205, 1-a Frontie Nigger Birle, 2,958-8,943, 8,10, 2,76, 2,441, 1-5 Filting and play, 8,843-8,944, 0,952, 3,15, 2,441, 1-5	
	W.	900	Market June, 8,850-6,960, 9 pt. 5-12, 4 781, 5-7	
9,691.9	[960]	ASA ASA	Paged Charge 9,742-9,744, 615/2015	
9,846.1	15000	ASSE	Paped Charge, 8794-9796, 9113/2015	
7,040.1	1000	MAR I	Inaped Charge, 9,846-9,646, 913-0915	
9,952.1	1 200	6528	37-sped Charge 8,850-6,952 815-0015	
	Michigan I	698	Supple Charge 10,003-10,004 6/13/2015	
0,106.0	1900	AZA AZA	Shaped Charge, 10,100-10,108, 8/13/2015	
	999	688	Played Charge, 10,158-10,159, 5/13/2015	
0,211.9	10000 PAGE	986	Theped Charge, 10,210-10,212, 8/03/015  Theped Charge: 10,263-18,264; 813/0015	
0.366.1	5000	1000	Shaped Charge, 10,314-10,315, 813.0015	
	1000	1964 1964	Thaped Charge: 10.565-10.387, 9/13/2015	
0,472.1	1 880	666	Jhapes Charge, 15,470-15,472, 5/13/09/15	
	E05/0	664	Thaped Charge: 10.522-10.528. 8/13/2015  Phaped Charge: 10.574-10.575. 8/13/2015	
0,626.0	1000	250	Shaped Charge: 10,926-10,927, 3/13/2015	
	1888	882	Shaped Charge. 10.878-10.879, 8/13/2015	
0,730.0	1000	408	Shaped Charge: 10,710-10,731; 8112/2015	
0,836.0	Nov.	20%	Traped Charge, 10,634-10,635, 912/2015	
	Max	29%	Inaped Charge: 10.895-10.895. 9/12/2015	
0,964.9	1 000	<b>20</b>	Total (Table 10 500-10 340 ST2)	
	1000 C	906	Shaped Charge, 11,542-11,544, 812/2015	
1,094.2	NO.	956	Shaped Charge, 11,094-11,096, 813(2015	
1,200.1	1000 m	986	Chaped Charge 11,146-11,148; 812/3015	
	1900	1986	Shaped Charge, 11,250-11,252, 612/5015	
1,354.0	26204	950	Caying Jone (1,302-11,304-812)0015  Caying Jone (1,805-12,814-4,954-40,5-10; 4-781, 5-8  Finaped Charge: 11,394-11,316, 8112(2015	
	SAN	905	Shaped Charge, 11,495-11,408, 8113/2015	
1,459.0	100	W 1	- Sheept Charge, 11,455-11,450, 9/13/2015	
1,564.0	1909	10/5 T	Shaped Charge, 11,519-11,512, W130015     Shaped Charge, 11,562-11,564, Srt30015	
	900	205	Inaped Charge, 11,614-17,615, 5/12/2015	
1,717.8	<b>B906</b>	20% E	Shaped Charge: 11,865-11,887, 812/3015	
	(000	300	Shaped Charge: 11,770-11,772, 9/12/2015	
1,821.9	2600	506 506	Diagoni Charge, 11,822-11,824, 8/12/2015	
1 927 4	EXERT	500	■ Shaped Charge, 11.874-11.875, 6/13/2015 ■ Shaped Charge, 11.826-11.827, 6/13/2015	
1,927.5	MAX	986	■ Staged Charge, 11,916-11,918 6/12/015	
2,030.8	1 200	666	Draped Charge, 12.839-12.831, 8/11/2015	
	I Electric	ASSA	Shaped Charge: 12,992-12,094-9/11/2015	
2,186.0	12570 12670	AZA	Maged Charge: 12,134-12,136, 511 (2015)  Shaped Charge: 12,166-12,168, 6/1 (2015)	
16	(696)	650)	→ Phaped Charge, 12,289-12,240, 6/11/2015 → Phaped Charge, 13,290-12,291, 6/11/2015	
2.291.0	1000 1000	AZA AZA	Inaped Charge, 12:342-12:344, 6/11/2015	
2,445.9	1000 C	ASSA	Phaged Charge. 12,994-12,996. 6/11/2015	
	(260) (200)	MGA .	Shaped Charge, 12,846-12,848, 8/11/2015  Shaped Charge, 12,888-12,500, 8/11/2015	
2,550.9	3050 ·	FACE I	Shaped Charge, 12,550-12,551, 6/11/2015	
	1000	655	Shaped Charge: 12,602-12,604, 8/11/2015  Shaped Charge: 12,654-12,656, 8/11/2015	
2,706.0	1958 1968	1556	Shaped Charge: 12.709-12.709.8111/2015	
2.517.0	(550)	066	Inaped Charge, 12,558-12,750, 6/11/2015 Shaped Charge, 12,910-12,812,9/11/2015	
2,812.0	1000	666	Shaped Charge. 12 863-12 864, 8/11/2015	
2,965.9	1000 1000	060	Disped Charge: 12.814-12.915, 8/11/2015  Shaped Charge: 12.966-12.965 6/11/2015	
	7000	660	Shaped Charge, 13,019-12,020, 9/13/2015	
3,070.9	2000	0.55	Inappt Charge 13,070-13,071, 819/2015	
10	1000 1000	0.600	Daped Charge: 13,174-13,176, 910(2015	
3,226.0	1500	986	Mages Charge 13:236-13,238 8/19/2015	
3,332.0	NO.	995	- Sheped Charge: 13.278-13.280, 810/2015 - Sheped Charge: U.835-13.812 810/2015	
	E-FRANCE	1000	Shaped Charge 13,382-13,384, 8/10/2015	
3,485.9	WENT .	996	Inspet Charge, 13.434-13.435, 8/10/2015	
	SEED I	906	Shaped Charge, 13.538-13.540, 8/10/2015	
13,590.9	EVECU.	ROS - Parameter	Inaged Charge, 12.595-13.591, 89/2015	
4	EASTA STATE	995	Draped Charge: 13,842-13,864, 9/8/2015  - Roped Charge: 13,694-13,696, 545/2015	
13,746.1	NO.	986	Shaped Charge, 13.746-13.749, 845/2015	
13,824,1	<b>1000</b>	202	Engled Charge, 13,798-13,600, 8/6/2015	
		400 a	Company (1997) (	
13,892.4	W	47% 1801 47%	Casing Pile, Aver. 13,861-13,891-10,00,5 1/2,4 781-5-13 — publicy Colley, 73,981-12,992, 740, 5-1/2,4 781-5-16 Casing Aver. 13,992-1339, 24-14-5-10, 2-1/2,1-5-16	
103	W.	AXX	- Centrag John, 13,892-13,833, 41 Rt, 5 V2, 4 TR1, 5-15  - Flow College, 13,892-13,893, 2 OS, 6 V2, 4 TR1, 5-16  - Centrag John, 13,893-13,878, 4 1 OS, 5 V2, 4 TR1, 5-17  - Flow College, 13,478-13,878, 3 SO, 5 V2, 4 TR1, 5-16	
	909	100.0		

	Red Hills Nor	th		Mid-	-Continent
Perforation	S				
Date	Too (MKD)	Di (BVD)	Shot Dens	Entered Shot	
8/13/2015	Top (ftKB) 10,366.0	10,367.5	(shots/ft) 6.0	Total 12	Zone & Completion  Bone Spring, Original Hole
8/13/2015	10,418.0	10,419.0	6.0	12	Bone Spring, Original Hole
8/13/2015	10,470.0	10,472.0	6.0	6	Bone Spring, Original Hole
8/13/2015	10,522.0	10,524.0	6.0	9	Bone Spring, Original Hole
8/13/2015	10,574.0	10,575.5	6.0	9	Bone Spring, Original Hole
8/13/2015	10,626.0	10,627.5	6.0	12	Bone Spring, Original Hole
8/13/2015	10,678.0	10,679.0	6.0	12	Bone Spring, Original Hole
8/12/2015	10,730.0	10,731.0	6.0	6	Bone Spring, Original Hole
8/12/2015	10,782.0	10,784.0	6.0	9	Bone Spring, Original Hole
8/12/2015	10,834.0	10,836.0	6.0	9	Bone Spring, Original Hole
8/12/2015	10,886.0	10,888.0	6.0	12	Bone Spring, Original Hole
8/12/2015	10,938.0	10,940.0	6.0	12	Bone Spring, Original Hole
8/12/2015	10,990.0	10,991.0	6.0	6	Bone Spring, Original Hole
8/12/2015	11,042.0	11,044.0	6.0	9	Bone Spring, Original Hole
8/12/2015	11,094.0	11,096.0	6.0	9	Bone Spring, Original Hole
8/12/2015	11,146.0	11,148.0	6.0	12	
8/12/2015	11,198.0	11,200.0	6.0	12	
8/12/2015	11,250.0	11,252.0	6.0	6	Bone Spring, Original Hole
8/12/2015	11,302.0	11,304.0	6.0	9	Bone Spring, Original Hole
8/12/2015		11,355.5	6.0		Bone Spring, Original Hole
8/12/2015	11,406.0	11,407.5	6.0	12	
8/12/2015	11,458.0	11,459.0	6.0	12	
8/12/2015	11,510.0	11,512.0	6.0		Bone Spring, Original Hole
8/12/2015		11,564.0	6.0		
	11,562.0			9	
8/12/2015	11,614.0	11,615.5	6.0		Bone Spring, Original Hole
8/12/2015	11,666.0	11,667.5	6.0	12	
8/12/2015	11,718.0	11,719.0	6.0	12	
8/12/2015	11,770.0	11,772.0	6.0	6	
8/12/2015	11,822.0	11,824.0	6.0	9	Bone Spring, Original Hole
8/12/2015	11,874.0	11,875.5	6.0	9	Bone Spring, Original Hole

Page 2/4



Well Name Lease GRAMMA RIDGE 14-24-34 005H Gran

Lease Gramma Ridge 14-24-34 Field Name Red Hills North Business Unit Mid-Continent

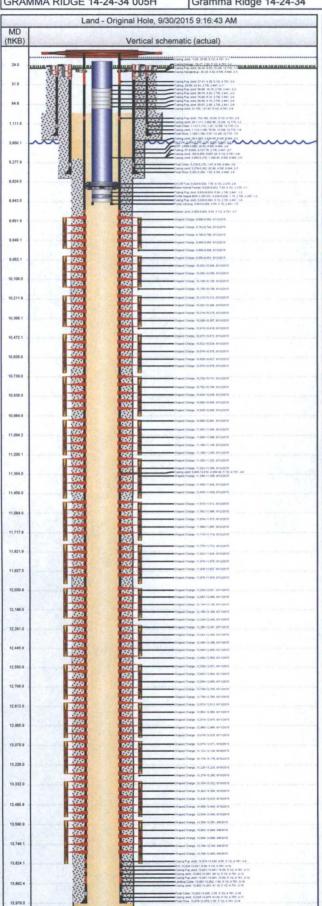
		14-24-34 005H nd - Original Hole, 9/30	Gramma Ridge 14-2	A LOCAL CO
MD	La	nd - Original Hole, 9/30	1/2015 9.16.43 AM	No. of the last of
ftKB)		Vertical sche	matic (actual)	
			Canny unit, 4-25, 28 00, 5 10; 4 701, 3-7	
24.0	man a la l	manuff Toll Fund	Contraction on Calculation (Co. A. Printer)	иливини
31.5	W (w)	5,67,50	*Coorning Prog. Joseph 27-31, 4-26, 5-10, 4-701, 5-3	
31.5	<b>**</b>	900 900 800 940	#Tubing 25-56; 32-63; 27-6; 2441, 2-1 Tubing Pup June 55-56; 10:10; 27-76; 2441, 2-2 #Tubing Pup June 56-74; 20:12-76; 2441, 2-3	
84.6	<b>***</b>		NTuting Pup Joint, 76-00, 6 14, 2 78, 2 641, 3-4 NTuting Pup Joint, 90-85, 4 10, 2 78, 2 641, 3-5	
-		XX VX.7	Coong Jorn, 31-153, 121 47, 5 1/2, 4 781, 3-4	
1,111.5	- XX XX	100	#Coong Pup Java; 153-162, 15:30, 5:12, 4:791, 3-5 #Coong Joint, 26-1, 111, 1,092 94, 12:29, 12:715, 1-2	
		W ***	#Casing.com; 26-5, 111, 1,082-95, 13, 26, 12,715, 1-2 #Flast Collect, 1,11-1, 113, 1,37, 13, 26, 12,715, 1-3 #Casing.com; 1,113-1,138, 78-56, 13, 26, 12,715, 1-4 #Flast Shoe, 1,186-1,380, 687, 13, 26, 12,715, 1-5	
3,850.1	~***	- Aug	Caung Jeen, 26-3-353, 3-524-40, 3-50, 3-844-2-2 FOLT on 3, 950-3, 356, 3, 356, 3, 5, 344-2-3, 346-2-3, 346	~
	<b>(X)</b>			
5,277.9		300,000	#Ceering Joint 3,900-5,279, 1,300 DA 19 SM 10 BAA 2,25 #Float Coller 1,270-5,279, 1,47 II SM, 8 DAA 2,26 #Clearing Joint 5,270-5,382, 22 SD 3,501 BAA 2,27	
	W. XX	No.	Casing June 5, 279-5, 362, 52 36 9 500, 5 564, 2-7 White Strick 5,362-5,364 (62, 9 5/6, 5 564, 2-6	
8,824,5			#Dinior Home Rectail 8.225-8.532, 1.50, 4.102, 2.310, 2-0 #Balan Home Packer, 8.825-8.632, 1.63, 6.102, 2.970, 1-1	
	W 1	Ic AV	●Training Prop. June: 6,822-6,836, 6.56, 2.76, 2.441, 1-2 ●Protein Riggins BRW 2.205 NO. 6,838-6,839, 1.15, 2.776, 2.204, 1-1	
8,843.5	<b>***</b>	000	*Tstimp Pup, seet. 8.629-6.243, 4-10, 2-58, 2-441, 1-6, *Pump out pug. 8.643-6.644. 0-50, 3-15, 2-441, 1-5	
	10000	966	#Migrisor Jones, 9,850-9,960, 9,64, 5 1/2, 4 781, 3-7	
9,691.9	ISADA	ASS.	#304pet Charge: 8,762-9,744, 8/13/0915	
9.846.1	EAST.	ASA	#Shaped Charge: 9,784-9,796, 5/13/2015	
-,040.1	<b>1000</b>	ASSA	#Shaped Charge, 9,866-9,848, 913/2015	
9,952.1	(ASA)	600	Shaped Charge 8,850 9,952, 813/2015	
	1000	672	#Shaped Charge: 18,002-10,004. 8/15/2015	
10,106.0	1000 C	456A	Shaped Charge 16.054-18.056, 6/19/2015	
	1000 PAGE	ATA	#Shaped Charge, 10,159-10,159, \$115/2015	
10,211.9	1 200	656	- Shapes Charge , 10,210-10,212, NY, NO.215	
	200	1990	Binaged Charge, 10:262-15:264, 5/13/2015	
0,366.1	E959	1000	# Diseased Charge: 18,314-19,315, 8153/2015	
	0000	000	Bhaped Charge: 10, 819-10,418, 8/13/2015	
0,472.1	1 300	0.90	#Jhaped Charge, 10,410-10,412, Nr.5/2015	
	5/5/9	1560	#Shaped Charge, 10,522-10,524, 5/15/2015 #Shaped Charge, 10,574-10,575, 5/15/2015	
0,626.0	(A)	660	Milhapad Charge, 10,626-10,627, 5Y3-2015	
	100	880	Shapet Charge, 10,879-10,679, 5/13/2015	
0,730.0	1 3000	100	Thaped Charge, 10,730-13,731, 6/12/2015	
	1999	198	NShaped Charge, 10.762-10.784, 813:0015	
0,836.0	Marke	29%	# Draged Charge, 10,634-10,236, 6/12/2015	
Gentle I	NAME OF THE PARTY	2965	Rihaped Charge, 10,938-13,940, 5/12/5015	
0,964.9		OCC .	#Shaper Charge: 15,990-13,991, 611,20015	
	5900	986	Winaped Charge: 11,042-11,044 8172/2015	
1,094.2	NEW .	068	Shaped Charge. 11,094-11,095. 5/12/2015	
1,200.1	NO.	906	#3haped Charge: 11,146-11,146,6/12/2015 #Shaped Charge: 11,196-11,200,6/12/2015	
1,200.1	1 500	700	Withoped Charge 11,250-11,252, 6/12/2015	
1,354.0	EGEN (	905 B	#Shaped Charge, 11,302-11,304, 6/13/2015 #Casing Joint, 9,860-13,814, 4,954-40, 5-1/2, 4-761, 5-8	
	4004	986	# Shaped Charge, 11,004-11,000, 8/12/015	
1,459.0	TAXA	986 188	n/hypert Charge: 11,458-11,458, 5/13(2015	
1	900	A39A	Winsped Charge, 11,510-11,512, 912/0015	
1,564.0	MAR .	200	#Traped Charge, 11,560-11,564, 913/2015	
1753	Migas I	20% E	#Sindpid Charge, 11,814-11,815, 8/12/2015	
1,717.8	1909	A19	#Shaped Charge, 11,716-11,719, \$1120015	
274	WW.	<b>W</b>	Shaped Charge: 11.770-11.772 Srt.2/2015	
11,821.9	- VAN	906 906	Blaged Charge, 11,823-11,824, 6/12/2015	
Y 37	WAN	500	Minaped Charge: 11,874-11,875, 5/12/2015	
1,927.5	EVAN.	506	#Bhaped Charge: 11,925-11,927, 6/12/2015	
	- W	<b>**</b>		
12,030.8	Busio	rich al	Shaped Charge 12,030-12,051 8/11/2015 Shaped Charge 12,002-12,004 8/11/2015	
	1000	ASSE ASSE	# Shapped Charge: 12 002-12 094 8/11/2015 # Shapped Charge: 12 116-12 136 8/11/2015	
12,186.0	1000	AREA	#Shaped Charge: 12,186-12,186, 8/11/2015	
	G976 1	6752	#Shaped Charge, 12,388-12,388, 8/11/2015 #Shaped Charge, 12,290-12,291, 6/11/2015	
12,291.0	1 (2) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	ASS.	Shaped Cherge: 12,260-12,291, 6111/2015 Shaped Cherge: 12,342-12,344, 5111/2015	
2.445.9	15956	ASSA	Shaped Charge, 12,394-13,398, 8/11/2015	
_,	1996	ANGE I	#Thopad Charge 12,466-12,466 8/11/2015	
12,550.9	1000	666	#Thesped Charge, 12,650-12,550, 611(2015	
	1000	68A	N Shaped Charge, 12,802-12,604, 6/11/2015	
2,706.0	2050	060	Shaped Charge. 12.654-12.658. 811.0015	
	200	990 B	#Shaped Charge: 12,796-12,708; 9/11/2015 #Shaped Charge: 12,756-12,760; 9/11/2015	
2,812.0	1050	060	#3heped Charge, 12,810-12,812, 6/11/2015	
PAS	900	0000	Minaped Charge: 12,963-12,094 NY1/2015  Minaped Charge: 12,914-12,915 NY1/2015	
2,965.9	5/200 5/5/0	660	# Shaped Charge: 12,814-12,915, 8/11/2015 # Shaped Charge: 12,966-12,966, 8/11/2015	
	2000	666	Shaped Charge, 13,018-13,026, 6/11/2015	
3,070.9	1959	998 968	Minaget Charge, 13,679-13,671, 6/16/2015	
	1959	060	Onaped Charge, 12 123-13 124, 91902015     Minaped Charge, 13 174-13 176, 91902015	
13,226.0	100	988	#Inspec Charge: 13,226-11,228 6/10/2015	
THE REAL PROPERTY.	MEN	1995	# Shaped Charge: 13,276-13,280, 6/10/2015	
13,332.0	MON	996	*Sheped Charge, 13.350-13.352, \$1922515	
Jan	DESCRIPTION OF THE PERSON OF T	966	#Shaped Charge: 13,350-13,354, 6/5/2015 #Shaped Charge: 13,454-13,425, 8/10/2015	
13,485.9	1920V	996	# Shaped Charge, 13.486-13.486, 6/10/2015	
1	SECON	906	Withgled Charge, 13,538-13,540, 910;0015	
13,590.9	NEW C	956	#Shaped Charge, 13,580-12,591, 8/6/2015 #Ifhaped Charge, 13,642-13,644, 8/6/2015	
	2000 2000	996	#3/kaped Charge, 13,842-13,844, 6/5/2015 #3/kaped Charge, 13,894-13,898, 6/6/2015	
13,746.1	1920	906	Withsped Charge, 13,746-13,746, 8/6/2015	
	1000	989	Shapes Charge, 13.796-13.900, 8/5/2015	
13,824.1		MDEN IN	Coping Pup Joint, 13,814-13,824, 9-65, 5-12, 4-761, 3-9 WRSt, 13,824-12,815, 6-80, 5-12, 4-781, 3-10 Coping Pup July 13,824, 15,841,	
	W	100 mm	##(0) 1,0,24 (1,0)	
13,892.4		49.5 04.0	Cooling Color: 13,895-13,892, 1.40, 5.102, 4.791, 3-14 *Cooling Jord: 13,882-13,833, 81.16, 5.102, 4.791, 3-15	
			erTreet Coller, 13,930-13,935, 2,05, 5,12, 4,791, 3-16 •Councy Julet, 13,935-13,976, 41,03, 5,12, 4,791, 3-17 •Fived Street, 13,975-13,979, 2,50, 5,12, 4,791, 3-18	

Perforations					
Date 8/12/2015	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
5/12/2015	11,920.0	11,927.5	6.0	12	Bone Spring, Original Hole
8/12/2015	11,978.0	11,979.0	6.0	12	Bone Spring, Original Hole
8/11/2015	12,030.0	12,031.0	6.0	6	Bone Spring, Original Hole
8/11/2015	12,082.0	12,084.0	6.0	9	Bone Spring, Original Hole
8/11/2015	12,134.0	12,136.0	6.0	9	Bone Spring, Original Hole
8/11/2015	12,186.0	12,188.0	6.0	12	Bone Spring, Original Hole
8/11/2015	12,238.0	12,240.0	6.0	12	Bone Spring, Original Hole
8/11/2015	12,290.0	12,291.0	6.0	6	Bone Spring, Original Hole
8/11/2015	12,342.0	12,344.0	6.0	9	Bone Spring, Original Hole
8/11/2015	12,394.0	12,396.0	6.0	9	Bone Spring, Original Hole
8/11/2015	12,446.0	12,448.0	6.0	12	Bone Spring, Original Hole
8/11/2015	12,498.0	12,500.0	6.0	12	Bone Spring, Original Hole
8/11/2015	12,550.0	12,551.0	6.0	6	Bone Spring, Original Hole
8/11/2015	12,602.0	12,604.0	6.0	9	Bone Spring, Original Hole
8/11/2015	12,654.0	12,656.0	6.0	9	Bone Spring, Original Hole
8/11/2015	12,706.0	12,708.0	6.0	12	Bone Spring, Original Hole
8/11/2015	12,758.0	12,760.0	6.0	12	Bone Spring, Original Hole
8/11/2015	12,810.0	12,812.0	6.0	6	Bone Spring, Original Hole
8/11/2015	12,862.0	12,864.0	6.0	9	Bone Spring, Original Hole
8/11/2015	12,914.0	12,915.5	6.0	9	Bone Spring, Original Hole
8/11/2015	12,966.0	12,968.0	6.0	12	Bone Spring, Original Hole
8/11/2015	13,018.0	13,020.0	6.0	12	Bone Spring, Original Hole
8/10/2015	13,070.0	13,071.0	6.0	6	Bone Spring, Original Hole
8/10/2015	13,122.0	13,124.0	6.0	9	Bone Spring, Original Hole
8/10/2015	13,174.0	13,176.0	6.0	9	Bone Spring, Original Hole
8/10/2015	13,226.0	13,228.0	6.0	12	Bone Spring, Original Hole
8/10/2015	13,278.0	13,280.0	6.0	12	Bone Spring, Original Hole
8/10/2015	13,330.0	13,332.0	6.0	6	Bone Spring, Original Hole
8/10/2015	13,382.0	13,384.0	6.0	9	Bone Spring, Original Hole
8/10/2015	13,434.0	13,435.5	6.0	9	Bone Spring, Original Hole

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Well Name
GRAMMA RIDGE 14-24-34 005H
Gramma Ridge 14-24-34
Gramma Ridge 14-24-34
Gramma Ridge 14-24-34
Business Unit
Red Hills North
Mid-Continent



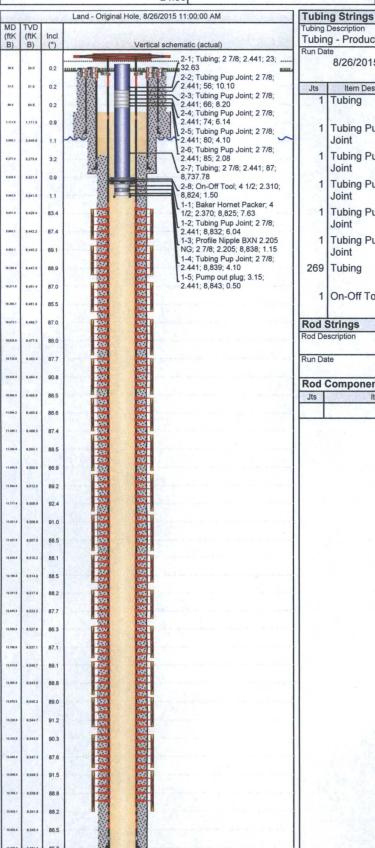
Perforations					<b>允</b> 符	HANDING.				
Date	Тор	(ftKB)	Btm	(ftKB)	D	hot ens ots/ft)	Entered			Zone & Completion
8/10/2015	_	86.0	13,487.5			6.0	12		Bone S	Spring, Original Hole
8/10/2015	13,5	38.0	13,5	40.0	_	6.0		12	Bone S	Spring, Original Hole
8/8/2015	13 6	90.0	13 6	91.0		6.0		6	Rone S	Spring, Original Hole
0/0/2013						0.0		0	bone 3	oping, Onginal Hole
8/8/2015	13,6	642.0	13,6	644.0	1	6.0		9	Bone S	Spring, Original Hole
8/8/2015	13,6	394.0	13,6	96.0		6.0		9	Bone S	Spring, Original Hole
8/8/2015	13,7	46.0	13,7	48.0		6.0		12	Bone S	Spring, Original Hole
8/8/2015	13,7	98.0	13,8	300.0		6.0		12	Bone S	Spring, Original Hole
Other Strings	10.00						V (2)	211		
Run Date		Pull Da	te	Set I	Dept	h (ftKB)				Com
Other In Hole										encerne e
Des		Top (f	_	Btm (ftl			in Date	_	ull Date	Com
	Composite Frac Plug (drop ball)		24.0	9,926	6.0 8/13		/2015	8/14	1/2015	Stage 16
Composite Fra Plug (drop bal	Composite Frac		84.	10,186. 0		8/13/2015		8/14	/2015	Stage 15
Composite Fra Plug (drop bal		10,4	44.	10,44	10,446. 0		8/13/2015		1/2015	Stage 14
Composite Fra Plug (drop bal		10,7	04.	10,70	06.	8/13	/2015	8/14	1/2015	Stage 13
Composite Fra Plug (drop bal	ac	10,9	064.	10,96	66. 0	8/12	/2015	8/14	/2015	Stage 12
Composite Fra Plug (drop bal	ac	11,2	220.	11,22	22.	8/12	/2015	8/15	5/2015	Stage 11
Composite Fra Plug (drop bal	ac	11,4	184.	11,48	86.	8/12	/2015	8/15	5/2015	Stage 10
Composite Fra Plug (drop bal	ac	11,7	40. 0	11,74	42.	8/12	/2015	8/15	5/2015	Stage 9
Composite Fra Plug (drop bal		12,0	004.	12,00	06.	8/12	/2015	8/15	5/2015	Stage 8
Composite Fra Plug (drop bal		12,2	260. 0	12,20	62.	8/11	/2015	8/15	5/2015	Stage 7
Composite Frac Plug (drop ball)		12,5	0	12,52	26. 0	8/11	/2015	8/15	5/2015	Stage 6
Composite Fra Plug (drop bal		12,7	780. 0	12,78	82.	8/11	/2015	8/15	5/2015	Stage 5
Composite Fra Plug (drop bal		13,0	044.	13,04	46. 0	8/11	/2015	8/15	5/2015	Stage 4
Composite Fra Plug (drop bal	ac	13,3	0	13,30	06.	8/10	/2015	8/15	5/2015	Stage 3
Composite Fra Plug (drop bal	ac	13,5	64.	13,5	66.	8/10	/2015	8/15	5/2015	Stage 2

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# **Tubing Summary**

Well Name GRAMMA RIDGE 14-24-34 0	05H	Lease Gramma Ridge 14-24-34	Field Name Red Hills North	Business Unit Mid-Continent	- 70
Ground Elevation (ft)	3,500.00	Original RKB Elevation (ft) 3,	Current RKB Elevation 524.50 3,524.50, 6/12/2015	Mud Line Elevation (ft)	Water Depth (ft)
Current KB to Ground (ft)	24.50	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Hea	ad (ft)



	bing Description Planned Run?  Ibing - Production N				Set	Depth (MD) (ftKE	Set Depth (TVD) (ftKB) 8,823.			
Run Dat	8/26/2015	Run Coi 00:	mplete,	7/30/20		Date		8,825.9 8,8		
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)	
1	Tubing	2 7/8	2.441	6.50	L-80		32.63	23.4	56.0	
	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		10.10	56.0	66.1	
	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		8.20	66.1	74.3	
	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		6.14	74.3	80.4	
	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		4.10	80.4	84.5	
	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		2.08	84.5	86.6	
269	Tubing	2 7/8	2.441	6.50	L-80		8,737.7 8	86.6	8,824.4	
1	On-Off Tool	4 1/2	2.310		- 1		1.50	8,824.4	8,825.9	

Run Date Run Job Pull Date Pull Job

 Rod Components

 Jts Item Des OD (in) Grade Model Len (ft) Top (ftKB) Btm (ftKB)

 Image: Components of the properties of the prope

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