Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

NM OIL CONSERVA ... JUL 3 OCSO14

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

DE DE	IDEALLOCIAND MANA	CEMENT		ے کے	Expires:	July 31, 2010		
BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS PECEIVED Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on reverse side.					5. Lease Serial No. NMNM0405444A			
					6. If Indian. Allottee or Tribe Name			
					7. If Unit or CA/Agreement, Name and/or No.			
Type of Well Gas Well					8. Well Name and No. ALDABRA 25 FEDERAL COM 1H			
2. Name of Operator DEVON ENERGY PRODUCTION CO EMail: linda.good@dvn.com Contact: LINDA GOOD DEVON ENERGY PRODUCTION CO EMail: linda.good@dvn.com					9. API Well No. 30-015-38612-00-X1			
			(include area code) 2.6558		10. Field and Pool, or Exploratory JENNINGS			
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)					11. County or Parish, and State			
Sec 25 T23S R31E SWSW 20	00FSL 635FWL				EDDY COUNTY	Y, NM		
12. CHECK APPI	ROPRIATE BOX(ES) TO	O INDICATE	NATURE OF 1	NOTICE, RE	PORT, OR OTHE	R DATA		
TYPE OF SUBMISSION	. TYPE OF ACTION							
Notice of Intent ■ Notice of Intent	☐ Acidize	Dee	oen	□ Producti	on (Start/Resume)	■ Water Shut-Off		
	☐ Alter Casing	☐ Alter Casing ☐ Frac		☐ Reclama	tion	■ Well Integrity		
☐ Subsequent Report	Casing Repair	□ New	Construction	□ Recomp	lete	□ Other		
☐ Final Abandonment Notice ☐ Change Plans		Plug	and Abandon	d Abandon		•		
	☐ Convert to Injection	□ Plug	Back	■ Water D	isposal			
If the proposal is to deepen directions Attach the Bond under which the won following completion of the involved testing has been completed. Final Attachment that the site is ready for final Attachm	k will be performed or provide operations. If the operation re apardonment Notices shall be fil inal inspection.) IZ (Per conversation with respectfully requests per 1H 3rd Bone Spring comh, monitor the 9 5/8" x 13 item monitor that annulus D NOT PUMP DOWN PAUFFERENT RATES UP TOWN PAUFFERENT RATES UP TOWN PAUF TOWN PAUFFERENT RATES UP TOWN PAUF TOWN PAU	The Bond No. or sults in a multipled only after all substitution of the properties o	ar casing: After rations were sho during the fraction of the weep the life of the life of the weep the life of the li	A. Required sub ompletion in a n ling reclamation A Ite S I i fracking 7 ot at 880'. We with a ell. See PLUG AND G ILD NOT BRI IG TOOL AG ASIDE PRES	sequent reports shall be ew interval, a Form 316, have been completed, ACCE GUNS. GOT STUCK EAK FREE. TRIED AIN BUT HE INADA SURE (3500 PSI).	filed within 30 days 10-4 shall be filed once and the operator has Ing PAtch Died for recor NMOCDTES KAT 880' TO SET VERTENTLY STARTED		
14. I hereby certify that the foregoing is Co Name(Printed/Typed) LINDA GC Signature (Electronic S	Electronic Submission # For DEVON ENER(mmitted to AFMSS for pro	GY PRODUCT	ON CO LP, sent FERNANDEZ on	to the Carlsba 07/31/2014 (1 ATORY SPE	4EF0084SE)	VED 2014		
	THIS SPACE FO	OR FEDERA	L OR STATE	OFFICE US	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	NAGEMENT OF ETOLEN		
_Approved_By_EDWARD_FERNAN	PEZ		TitlePETROLE	UM ENGINE	EA HIREAU OF	LAND Date 07/31/201		
Conditions of approval, if any, are attache certify that the applicant holds legal or equ which would entitle the applicant to condu	iitable title to those rights in th	s not warrant or e subject lease	Office Carlsba	d.	CARLE	-		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional data for EC transaction #254947 that would not fit on the form

32. Additional remarks, continued

OF ROPE SOCKET AND GOT ALL TOOLS OUT BUT THE FRAC PLUG WHICH HAD SET. RELEASED FRAC CREW. WAIT ON CTU."

MIRU coil tbg, drilled out plug and set kill plug at 1499'.

MIRUWL and set another plug at 1490'.

We dug out the cellar to verify which annulus the valves went to. We have a valve for the 5 1/2" x 9 5/8" annulus and a valve for the 9 5/8" x 13 3/8" annulus. The 20? casing was cut off at surface so there is no valve for the 13 3/8" x 20" annulus, it is cemented to surface.

We performed an injection test down the 5 1/2" casing and was able to circulate out the 9 5/8" x 13 3/8" annular valve at 1.5 bpm and 800 psi. We shut the 9 5/8" x 13 3/8" annular valve and pressured up to 1500 psi at no rate. Pressure would bleed off 200 psi in 1 minute. With the 5 1/2" x 9 5/8" annular valve open we did not circulate out that valve and have not seen any pressure on that annulus

Based on the bond log and the fact that we are not able to circulate and have not seen any pressure on that annulus we would not be able to pull the 5 1/2" casing and replace it without doing more damage.

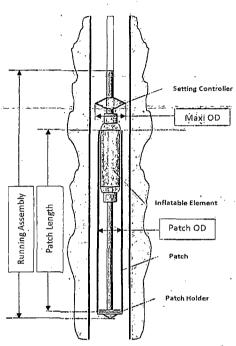
Ran a model to estimate the perforation penetration and they calculated that the charges should have penetrated through the 20? casing and went 15" into the formation.

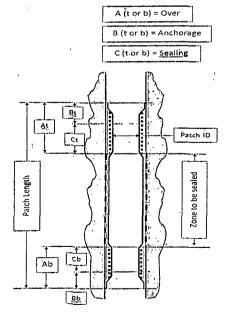
Devon plan to set a Saltel Slimline casing patch, see attached procedure and technical information for the patch.

INTERNAL JOB DATA

Saltel Industries Midland	
23-Jul-2014	
Devon Energy	
Gas Producer	
Aldabra 25 Fed Com 1H	
Casing Repair	
A	
	23-Jul-2014 Devon Energy Gas Producer Aldabra 25 Fed Com 1H







	_		
	lm.	ft	MD Fluid Level
	Degre m	n	Well Deviation TVD Fluid Level
	; ·	1.00	
8.35 8.35	PPG	1.00	Density of Well Fluid (annulus) Density of Inflation Fluid Tubing
	bar		Differencial Hydrostatic Pressure
ZONETO BE SEALED: 1		2	A .
121.08]mm	4.77	Minimum Restriction to Go Through
Cased Hole	J		Minimal Tresared to Go Thiodgi
] in	- Antikalinga at 1 at a tanan a	and the second s
5ln1/2 - 17 lb/m	ร	Casing Type	ID Nominal
124,26]mm]	4.892 in	ID Nominal ID Drift
. 121.08	Juw	4.767 in	· ID Drill
267.61	m	878.00 ft	Top of the zone to be sealed MD
268.22] m	880.00 ft	Bottom of the zone to be sealed MD
0,61	m	2.00 ft	Zone to be sealed Length
32]•c	90 'F	Down Hole Setting Temperature
ATCH RUNNING CHARACTER	STICS	राज्य स्टाह्म वस्तु क्षा प्राप्त	
Standard Sealing Patch	1	Patch Model	
5.5in Slimline	í	Patch Size	r
108.00	mm	4.252 in	Patch Running OD .
3,95]m	12,96 ft	Patch Length
105,00	mm	4.134 in	Patch Steel tube OD before setting
3.00		0.118 in	Steel Thickness
1.50		0.059 in	Elastomer Thickness
4.50] mm	0.177 in	Patch Thickness before setting
	, 1	EXPANDABLE PACKER ELEMEN	- ·
3,75in]]		
108.00	Jmm 1_		Maximum Assembly Running OD
6,75]m]ka	22.16 ft	Running Assembly Length
32	jkg ⊓.		Patch Weight in Air .
		204 %-	
175	jkg }∙	Well Doglar Squarity (*/100ff or	Total Assembly Weight in Air
]+]-	Well Dogleg Severity (*/100ft or	*/30m)
27.2]*]*	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	*/30m)
27.2]•]•]kg	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	/30m) m) ☑
27.2] m]•]•	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	7/30m) lm) ☑ Top of the Patch MD
27.2].].	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	/30m) m) ☑
27.2 ATCH POSITIONNING 255.91]•]•	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	7/30m) lm) ☑ Top of the Patch MD
27.2 ATCH POSITIONNING) 265.91 269.71 3.80]•]-] _m] _m	Well Dogleg Severily (*/100ft or Max allowed DLS (*/100ft or */30	/30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length
27.2 ATCH POSITIONNING 265.91 269.71 3.80 1.70]•]•]m]m]m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	7/30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over Iap
27.2 ATCH POSITIONNING 265.91 269.71 3.80 1.70 1.49]•]-]m]m]m]m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	7/30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap
27.2 ATCH POSITIONNING 265.91 269.71 3.80 1.70 1.49]•]-]m]m]m]m]m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	7/30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage
27.2 ATCH POSITIONNIO 265.91 269.71 3.80 1.70 1.49 0.38 0.17]*]*]m]m]m]m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	7/30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage
27.2 ATCH POSITIONNIC) 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32]*]*]m]m]m]m]m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	7/30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length
27.2 ATCH POSITIONNIO 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32]*]*]m]m]m]m]m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	7/30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage
27.2 ATCH POSITIONNIO 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 ATCH CHANAGERISTICS WH]*]m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	T30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length
27.2 AIGH ROSHONNING 265.91 289.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 AIGH CHAPACTERISTICS WH]	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	T30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length
27.2 ATCH POSITIONNING 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 ATCH CHARACTERISTICS WH 32 115.45		Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	T30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length
27.2 ATCH POSITIONNING 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 ATCH CHARACTERISTICS WITH 32 115.45		Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	T30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length
27.2 ATCH POSITIONNIO 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 1.32 ATCH CHAMAGIERIST SWITT		Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	T30m) Im) Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bt) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch ID (Drift)
27.2 ATCH POSITIONNIO 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 ATCH CHARACTERISTICS WH 32 115.45 112.15 20.1% 3.91 - 3.97		Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch ID (Drift) Patch Expansion Ratio Patch Thickness (Nominal - Drift)
27.2 ATCH POSITIONNIO 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 4.32 ATCH CHARACTERISTICS WH 32 115.45 112.15 20.11/4 3.91 - 3.97 2.72 - 2.77] m] m] m] m] m] m] m] m] m] m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch ID (Orift) Patch Expansion Ratio Patch Thickness (Nominal - Drift) Steel Thickness (Nominal - Drift)
27.2 ATCH POSITIONNIC) 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 1.32 ATCH CHARACTERISTICS WH 32 115.45 112.15 20.1% 3.91 - 3.97 2.72 - 2.77 1.18 - 1.2		Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Ct) Effective Top Scaling Length (Cb) Effective Bottom Scaling Length Down Hole Operating Temperature Patch ID (Nominal) Patch Lip (Infit) Patch Expansion Ratio Patch Thickness (Nominal - Drift) Steel Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift)
27.2 ATCH POSITIONNING 265.91 289.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 ATCH CHAPACTERISTICS WH 32 115.45 112.15 20.1% 3.91 - 3.97 2.72 - 2.77 1.18 - 1.2] m] m] m] m] m] m] m] m] m] m	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch Depart In Common Patch Patch Expansion Ratio Patch Thickness (Nominal - Drift) Steel Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) External Service Pressure (in Casing)
27.2 ATCH POSITIONNING 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 ATCH CHANACTERISTICS WH 32 115.45 112.15 20.1% 3.91 3.97 2.72 2.77 1.10 1.12 81		Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch ID (Drift) Patch Expansion Ratio Patch Thickness (Nominal - Drift) Steel Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) External Service Pressure (in Casing) Internal Service Pressure when Patch is unsupported.
27.2 ATCH POSITIONNIS) 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 1.32 ATCH CHARACTERISTICS WITH 3.91 20.1% 3.91 - 3.97 2.72 - 2.77 1.18 - 1.2 81 225	m m m m bar bar bar bar	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch Depart In Common Patch Patch Expansion Ratio Patch Thickness (Nominal - Drift) Steel Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) External Service Pressure (in Casing)
27.2 ATCH POSITIONNIS) 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 1.32 ATCH CHARACTERISTICS WITH 3.91 20.1% 3.91 - 3.97 2.72 - 2.77 1.18 - 1.2 81 225	m m m m bar bar bar bar	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch Expansion Ratio Patch Expansion Ratio Patch Thickness (Nominal - Drift) Steel Thickness (Nominal - Drift) External Service Pressure (in Casing) Internal Service Pressure when Patch is unsupported.
27.2 ATCH POSITIONNIS) 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 ATCH CHARACTERISTICS WILL 20.1% 3.91 - 3.97 2.72 - 2.77 1.18 - 1.2 81 225 1 1000 ETTING PRESSURE REQUIRE	m m m m bar bar bar bar	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bt) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch Expansion Ratio Patch Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) Iteland Service Pressure (in Casing) Internal Service Pressure with 1 in perforations Surface Pressure Patch in Contact
27.2 ATCH POSITIONNIS) 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 ATCH CHARAGIERIST GS WH 3.91 15.45 112.15 20.1% 3.91 - 3.97 2.72 - 2.77 1.18 - 1.2 81 225 1 1000 ETIMO PRESSURE REQUIRE.	m m m m m m bar bar bar bar	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bb) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch Expansion Ratio Patch Expansion Ratio Patch Thickness (Nominal - Drift) Eleastomer Thickness (Nominal - Drift) External Service Pressure (in Casing) Internal Service Pressure when Patch is unsupported internal Service Pressure with tin perforations
27.2 ATCH POSITIONNIO 265.91 269.71 3.80 1.70 1.49 0.38 0.17 1.32 1.32 1.32 ATCH CHANACTERISTICS WH 32 115.45 112.15 20.1% 3.91 - 3.97 2.72 - 2.77 1.18 - 1.2 81 225 1 1000 ETIMO PRESSURE RECURRE.	m m m m m m bar bar	Well Dogleg Severity (*/100ft or Max allowed DLS (*/100ft or */30	Top of the Patch MD Bottom of the Patch MD Bottom of the Patch MD Patch Length (At) Top Over lap (Ab) Bottom Over lap (Bt) Top Anchorage (Bt) Bottom Anchorage (Ct) Effective Top Sealing Length (Cb) Effective Bottom Sealing Length Down Hole Operating Temperature Patch ID (Nominal) Patch ID (Drift) Patch Expansion Ratio Patch Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) Elastomer Thickness (Nominal - Drift) External Service Pressure when Patch is unsupported in the patch of the propositions Internal Service Pressure with 1 in perforations Surface Pressure Patch in Contact

TECHNICAL DATA

Devon Energy Aldabra 25 Fed Com 1H - Casing Repair / Gas Producer

Customer Well Number Aldabra-25 Fed Com-1H-Well Type Gas Producer Devon Energy Application Casing Repair Proposal Number 2014MID-JLE010 - A

Patch Running Assembly Setting Controller Maxi OD Patch OD Patch Holder

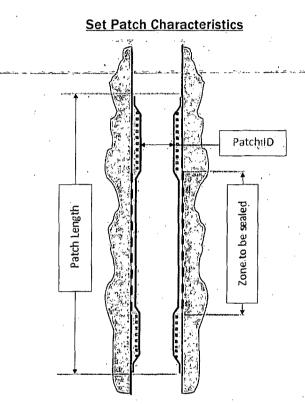
32 °C

Casing weight - 5in1/2
Nominal Casing ID
Drift Casing ID
Patch Maximum OD
Max Assembly Running OD
Patch weight in air
Total assembly weight in air
Patch length
Total Tool length
3HA Mechanical weak point
Mechanical bleed off
Setting Pressure
Max setting pressure

Setting temperature

Metric	Imperial		
25.30 kg/m	17.00 lb/ft		
124.26 mm	4.892 in		
121.08 mm	4.767 in		
108.00 mm	4.252 in		
108;00 mm	4.252 in		
32 kg	72 lb		
175 kg	394 lb		
3.95 m	12.96 ft		
6.75 m	22.16 ft		
16 tons	- 36 Klb		
9 tons	20 Klb		
331 bar	4797 psi		
381 bar	5522 psi		

90 °F



Operating temperature

32 °C 90 °F

Patch Thickness

Nominal ID (Casing ID - patch WT)

Drift ID(Casing drift - patch WT)

Programmed Calibrated Drift

Set Length

Top of the Patch setting depth

Bottom of the Patch setting depth

Internal DPR 1in hole

External diff pressure rating

Internal DPR (unsupported)

Metric	Imperial
3.97 mm	0.156 in
115.45 mm	4.545 in
112.15 mm	4.415 in
TBD	TBD
3.80 m	12.47 ft
265.91 m	872.42 ft
269.71 m	884.89 ft
1000 bar	14500 psi
81 bar	1178 psi
225 bar	3259 psi

DPR = differential pressure rating



WELL PREPARATION & SETTING PROGRAM

Devon Energy Aldabra 25 Fed Com 1H - Casing Repair / Gas Producer

1 - Conveyance string pressure rating

	Downhole standard setting pressure	4797	psi ·	331	bar	
	Max. anticipated differential pressure	5522	psi	381	bar	1
	The conveyance string (Tubing/Drill Pipe) pressure ra	iting needs t	o be confirmed			•
ວຼີ ຕຸ	sing preparation	•				
	· Well bore has to be scraped and drifted from 840ft to	o 901ft (fron	n 256m to 275	m)		
. * *	Drift Size : 4.767 in (121.08 mm)	o sortic (iloii	1 200111 10 27 0	'''') _.		
	Minimum rathole or cellar must be: 901 ft (275 m)					
	Any tight spot has to be recorded and noted. Drift mi	II is recomm	ended	ak ur ti mmm	Links for it is now that the second	
	•					
	id level	146-46 41-1	:\ d		1 1 1	
. ப	It is necessary to know the static fluid level in the well (will differential pressure to know the required surface pressure).	_	•		luias to calcula	ate t
1	· ·	o for expansi	in unu prossure	testing.		
4 - Ru	n in hole					
į a	During the rig-up of the Patch, take care to avoid ben	iding or dam	aging the Patc	h		
· 🗖	Fill the tubing string every 10-15 joints to avoid trapp	ing air inside).			
. u	Do not use too much dope (grease) on tubing threads	s, in order to	avoid plugging	filters.		
`. □	Make a regular Pressure test of the conveyance strin	g at 4050 ps	si (280 bar) (75	% of the Bu	rst Disc value	?)
	:	•	•			
	sitioning		:			
	No conveyance string has been defined					
L.I	The top of the Patch will be set at 872.42ft (265.91n Depth control is not included in the Saltel tools, corre			oibility of th	o oil compon	.,
	Deput control is not included in the saiter tools, corre	· · · ·	g is the respon	Sibility of th	e on company	у.
6 - S et	tting					
	Check the cellar space for the end of the setting and				es patch lengt	th).
	Go back to the Zero Ref and pressure test the convey	_		0 bar)		
	Burst the rupture disk at 5390 psi (370 bar) (+/-10%					
	Pull back to step 2 and expand top of patch to ensure					
	The surface pressure will be adjusted with the fluid le					
	RIH to step 3. Repeat until the bottom of expansion z		•	tch bottom		
	Use short steps at the end to avoid any restriction at	=				
u	Run through the set patch with the setting controler (gauge ring) t	to confirm acci	irate setting	5.	
3 - We	Il pressure test					
	The well can be pressure tested just after the setting					
	The expansion tool can stay in the well during pressur	re test. Pull t	he expansion t	ool out of P	atch.	
	Attention to pressure ejecting the tools (Follow proceed)				i	
	Pressure bleed off must always be done progressively	y at a rate of	350psi/min - 2	25bar/min		
7 - Pul	ling Out					
,	Pull out slowly while expansion tool is still inside the I	Patch				
	Pay attention on weight increase and fluid coming fro		us during POO	Н.		
	It could create swabbing & could collapse the Patch.			•••	•	
	Fill the annulus while Pulling out if necessary			•		
_	•					



CONDITIONS OF APPROVAL

Sundry dated 7/29/2014

OPERATOR'S NAME: Devon Energy Prod Co

LEASE NO.: NM0544986

WELL NAME & NO.: | ALDABRA 25 FEDERAL COM 1H 3001538612

SURFACE HOLE FOOTAGE: 200' FSL & 635' FWL

LOCATION: | Section 25, T.23 S., R.31 E., NMPM

COUNTY: Lea County, New Mexico

• All well test shall be charted and submitted to the BLM under a Sundry Subsequent Report

• Life of well monitoring system; operator to keep scada record on the annulus and made available to the BLM upon request.

EGF 07/31/2014